

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060148.D
 Acq On : 9 Oct 2018 12:40
 Operator : VA/AP
 Sample : VD1009SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/10/2018 11:31:54 AM

Quant Time: Oct 09 17:11:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1507523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2085833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1718171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	886714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	614655	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	6.29	113	842645	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	9.43	98	2365809	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.42	95	894412	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	213690	15.069	ug/l	95
3) Chloromethane	1.73	50	283590	22.178	ug/l	99
4) Vinyl Chloride	1.83	62	225120	21.512	ug/l	98
5) Bromomethane	2.11	94	21455	16.328	ug/l	97
6) Chloroethane	2.21	64	54157	18.965	ug/l	95
7) Trichlorofluoromethane	2.47	101	268664	21.441	ug/l	100
8) Diethyl Ether	2.80	74	58976	22.889	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.05	101	181668	23.273	ug/l	96
10) Methyl Iodide	3.21	142	174201	21.044	ug/l	95
11) Tert butyl alcohol	3.94	59	91082	111.137	ug/l	100
12) 1,1-Dichloroethene	3.04	96	141293	22.976	ug/l	89
13) Acrolein	2.95	56	48500	96.000	ug/l	88
14) Allyl chloride	3.49	41	285512	22.354	ug/l	95
15) Acrylonitrile	4.04	53	379592	111.901	ug/l	98
16) Acetone	3.13	43	238850	115.191	ug/l	99
17) Carbon Disulfide	3.28	76	455247	22.014	ug/l	100
18) Methyl Acetate	3.52	43	94367	21.174	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	601926	22.262	ug/l	96
20) Methylene Chloride	3.68	84	352226	18.906	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	340485	21.438	ug/l	93
22) Diisopropyl ether	4.82	45	1273475	22.326	ug/l	98
23) Vinyl Acetate	4.76	43	3604831	112.433	ug/l	98
24) 1,1-Dichloroethane	4.71	63	564537	21.829	ug/l	99
25) 2-Butanone	5.59	43	595320	114.923	ug/l	96
26) 2,2-Dichloropropane	5.55	77	443762	22.634	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	357806	21.263	ug/l	94
28) Bromochloromethane	5.90	49	266295	21.189	ug/l	91
29) Tetrahydrofuran	5.92	42	326083	108.373	ug/l	100
30) Chloroform	6.07	83	578631	22.118	ug/l	99
31) Cyclohexane	6.34	56	514248	20.772	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	472775	22.058	ug/l	99
36) 1,1-Dichloropropene	6.50	75	435555	21.852	ug/l	98
37) Ethyl Acetate	5.67	43	294348	22.248	ug/l	97
38) Carbon Tetrachloride	6.47	117	396269	21.905	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	484320	21.386	ug/l	98
40) Benzene	6.76	78	1121594	21.509	ug/l	100
41) Methacrylonitrile	5.90	41	164738m	22.030	ug/l	
42) 1,2-Dichloroethane	6.87	62	326786	21.859	ug/l	97
43) Isopropyl Acetate	8.33	43	371755	21.358	ug/l #	99
44) Trichloroethene	7.72	130	346093	21.441	ug/l	98
45) 1,2-Dichloropropane	8.08	63	290925	21.307	ug/l	95
46) Dibromomethane	8.19	93	189742	21.465	ug/l	99
47) Bromodichloromethane	8.46	83	417968	22.191	ug/l	99
48) Methyl methacrylate	8.22	41	220272	22.217	ug/l	97
49) 1,4-Dioxane	8.21	88	40796	418.203	ug/l #	87
51) 4-Methyl-2-Pentanone	9.32	43	1209283	110.153	ug/l	97
52) Toluene	9.53	92	731193	21.773	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	371648	21.807	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	464194	22.057	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	237614	21.643	ug/l	100
56) Ethyl methacrylate	10.01	69	264808	21.850	ug/l	94
57) 1,3-Dichloropropane	10.36	76	353952	21.139	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	738110	109.677	ug/l	93
59) 2-Hexanone	10.47	43	928218	117.582	ug/l	99
60) Dibromochloromethane	10.63	129	299773	22.254	ug/l	99
61) 1,2-Dibromoethane	10.75	107	256913	22.024	ug/l	98
64) Tetrachloroethene	10.23	164	314843	20.922	ug/l	98
65) Chlorobenzene	11.30	112	810825	21.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	281288	22.684	ug/l	97
67) Ethyl Benzene	11.42	91	1392866	23.128	ug/l	98
68) m/p-Xylenes	11.55	106	1011307	44.944	ug/l	99
69) o-Xylene	11.93	106	496569	22.311	ug/l	95
70) Styrene	11.95	104	819994	22.031	ug/l	98
71) Bromoform	12.10	173	214555	21.368	ug/l	100
73) Isopropylbenzene	12.26	105	1337963	22.872	ug/l	97
74) N-amyl acetate	12.12	43	488753	22.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	286576	22.440	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	278106	21.778	ug/l	98
77) Bromobenzene	12.53	156	387278	22.782	ug/l	99
78) n-propylbenzene	12.63	91	1690230	23.269	ug/l	98
79) 2-Chlorotoluene	12.70	91	920044	22.822	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	1051592	23.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	81710	22.772	ug/l	99
82) 4-Chlorotoluene	12.80	91	1073443	23.541	ug/l	99
83) tert-Butylbenzene	13.04	119	1201240	23.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1087389	22.788	ug/l	100
85) sec-Butylbenzene	13.22	105	1371401	22.325	ug/l	99
86) p-Isopropyltoluene	13.33	119	1154830	22.920	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	683507	23.078	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	661022	22.220	ug/l	97
89) n-Butylbenzene	13.64	91	1169192	23.782	ug/l	100
90) Hexachloroethane	13.85	117	259135	22.223	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	570788	22.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38652	22.667	ug/l	94

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	474976	22.471	ug/l	98
94) Hexachlorobutadiene	14.87	225	316743	22.544	ug/l	98
95) Naphthalene	14.96	128	675238	21.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	392810	21.363	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

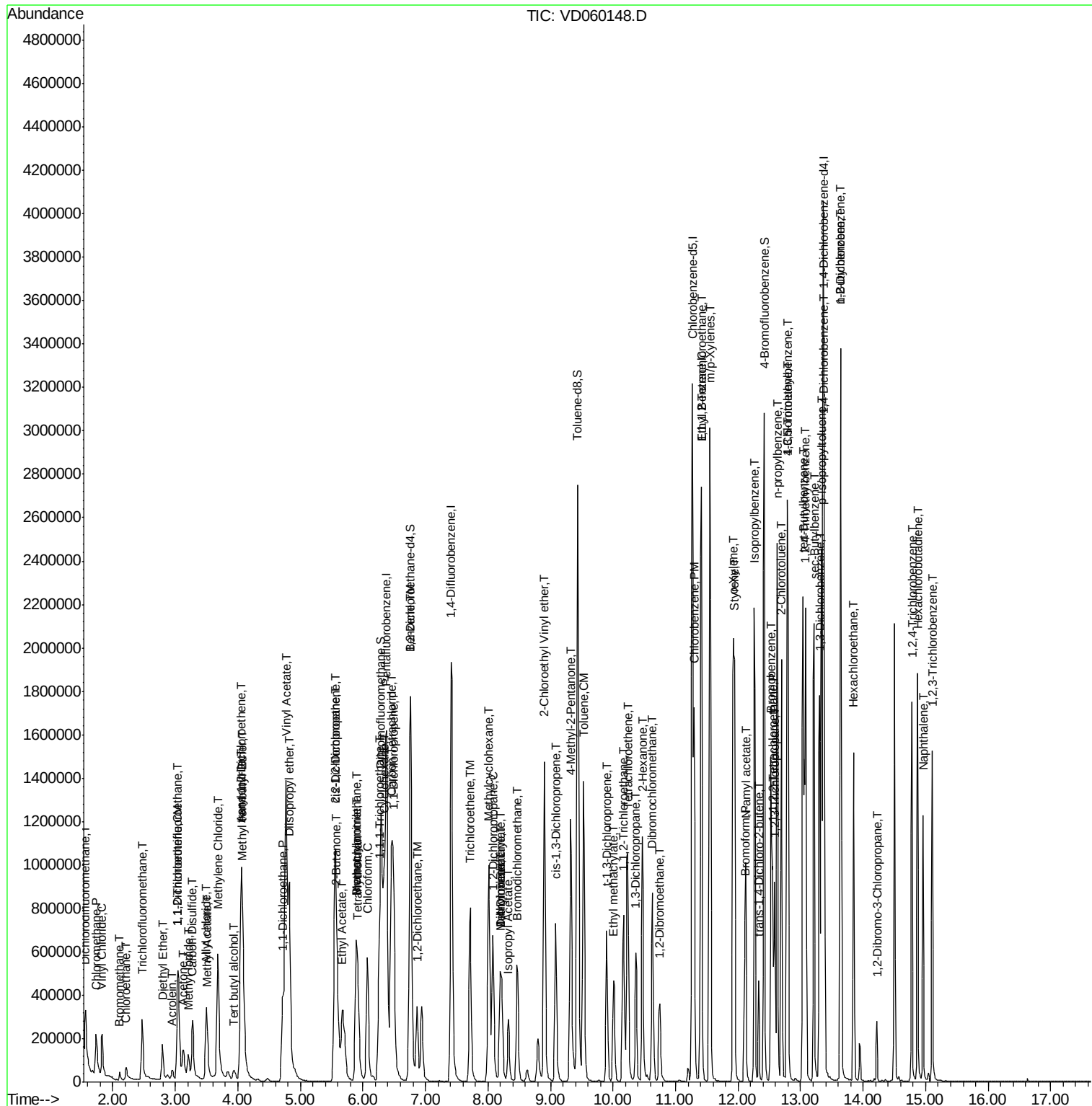
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100918\
Data File : VD060148.D
Acq On : 9 Oct 2018 12:40
Operator : VA/AP
Sample : VD1009SBS01
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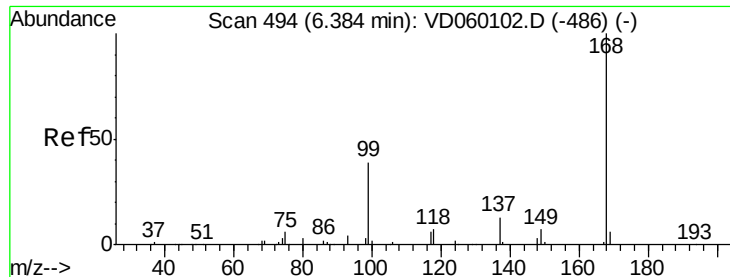
Instrument :
MSVOA_D
Client Sample ID :
VD1009SBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS001

Tot Ion:168 Resp: 1507523

Ion Ratio Lower Upper

168 100

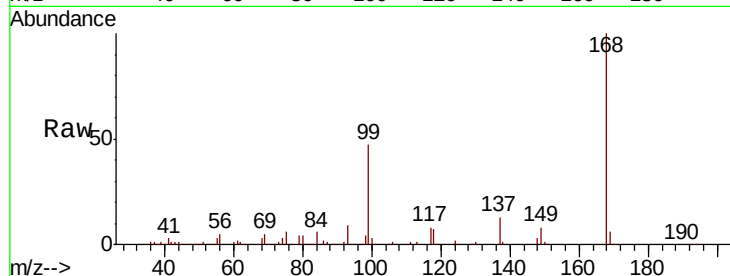
99 46.6 35.4 53.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.38

600000

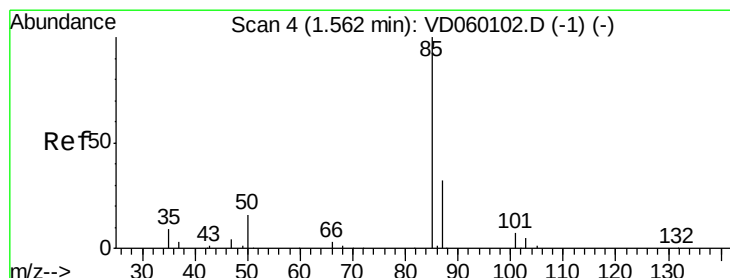
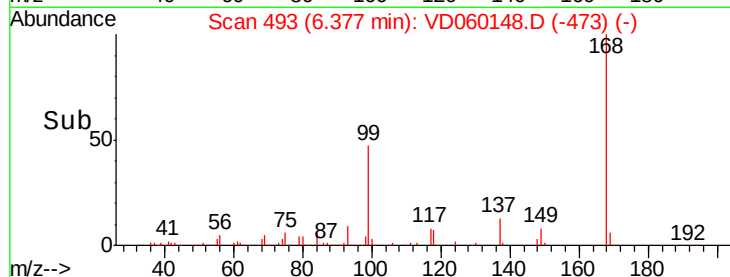
400000

200000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 15.069 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060148.D

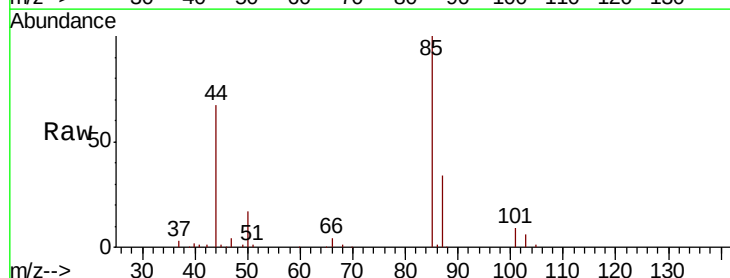
Acq: 9 Oct 2018 12:40

Tgt Ion: 85 Resp: 213690

Ion Ratio Lower Upper

85 100

87 34.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

150000

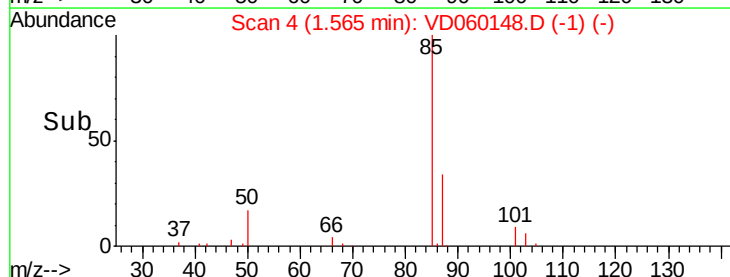
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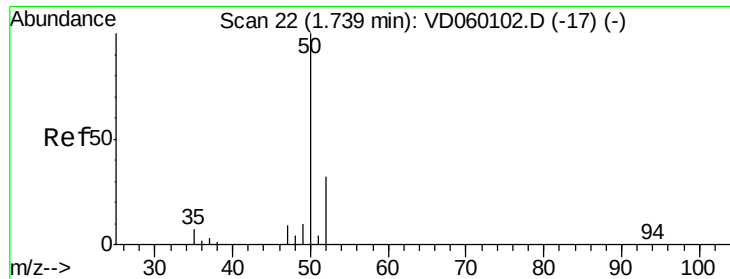
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 22.178 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 50 Resp: 283590

Ion Ratio Lower Upper

50 100

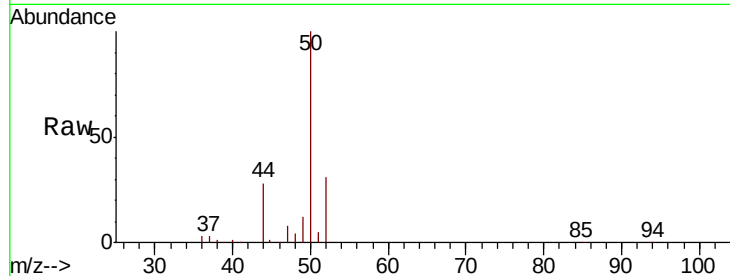
52 31.0 25.3 37.9

Manual Integrations

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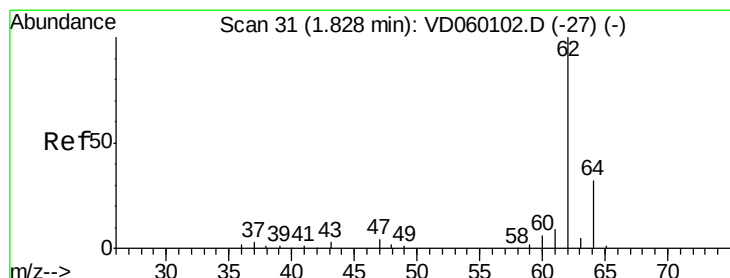
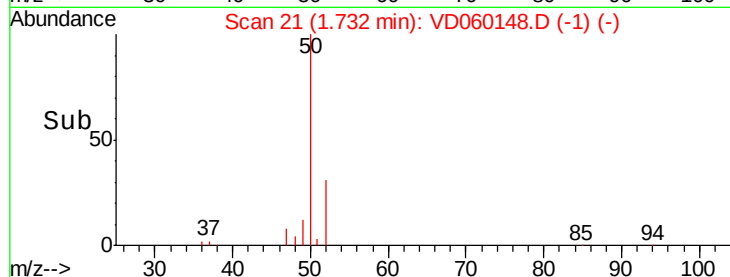
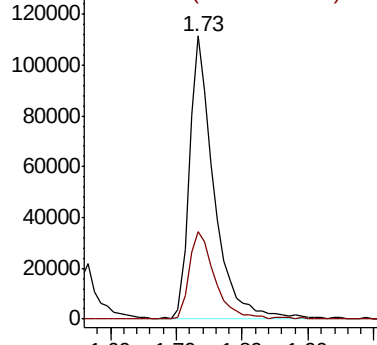
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.512 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060148.D

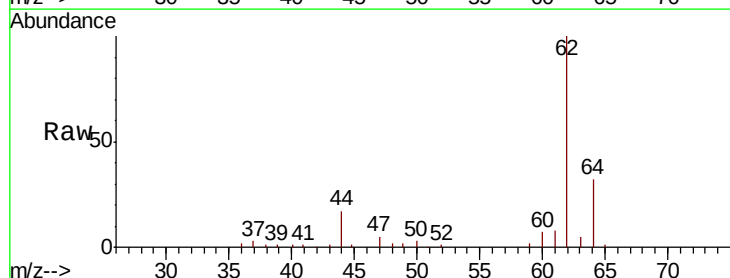
Acq: 9 Oct 2018 12:40

Tgt Ion: 62 Resp: 225120

Ion Ratio Lower Upper

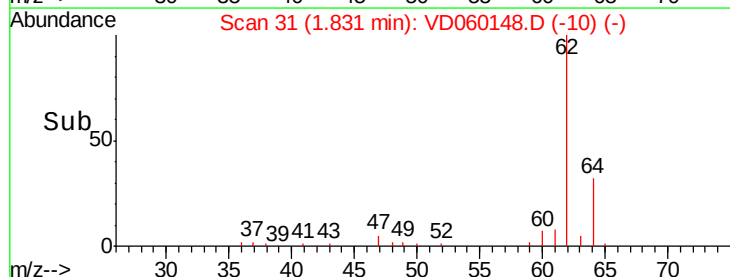
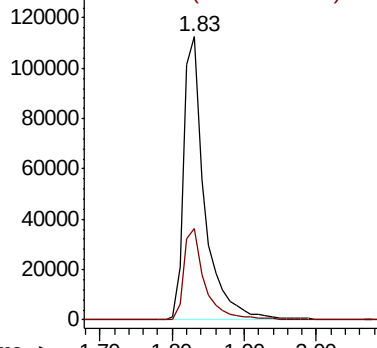
62 100

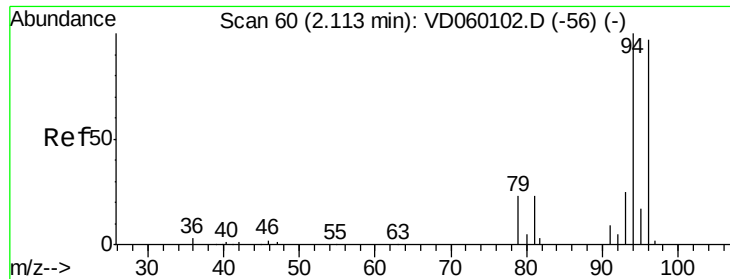
64 32.4 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.328 ug/l

RT: 2.11 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 94 Resp: 21455

Ion Ratio Lower Upper

94 100

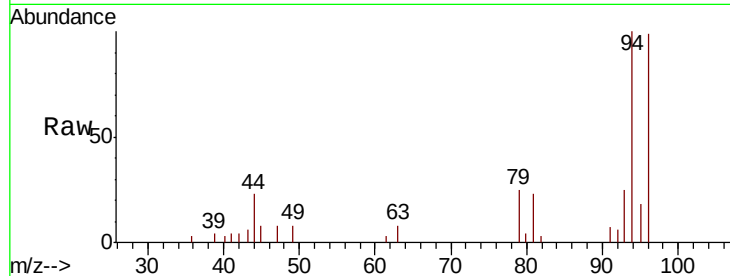
96 99.4 77.4 116.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

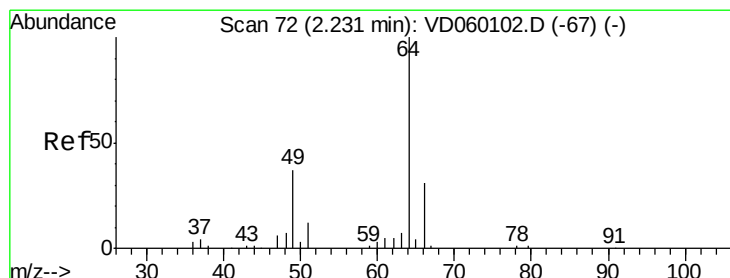
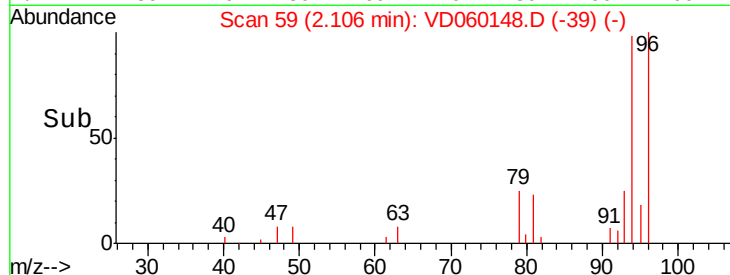
2.11

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.965 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD060148.D

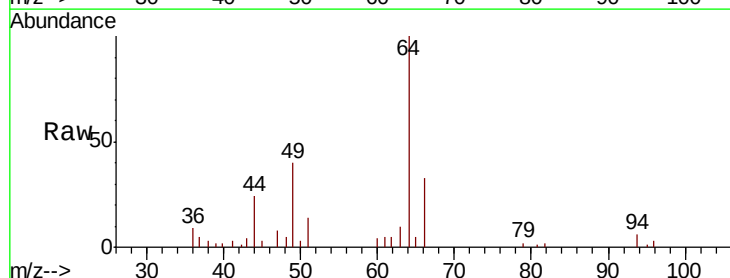
Acq: 9 Oct 2018 12:40

Tgt Ion: 64 Resp: 54157

Ion Ratio Lower Upper

64 100

66 33.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.21

25000

20000

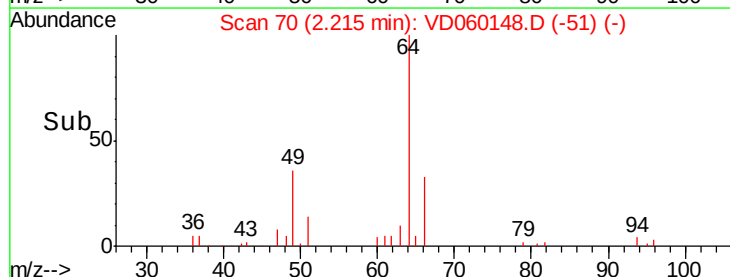
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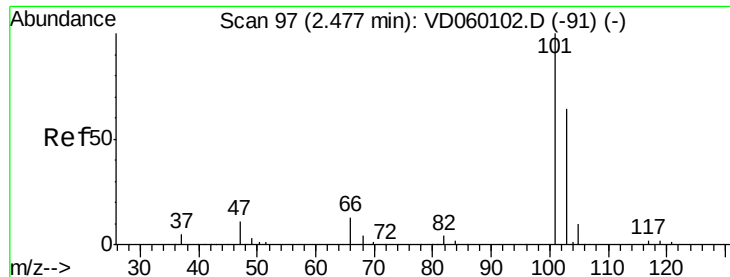
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5000

0

Time-->





#7

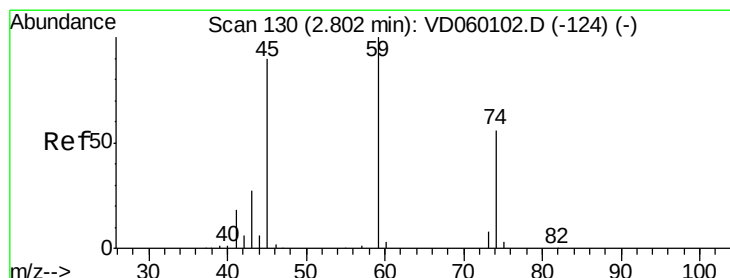
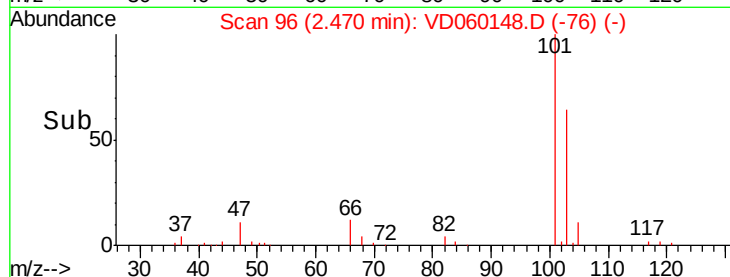
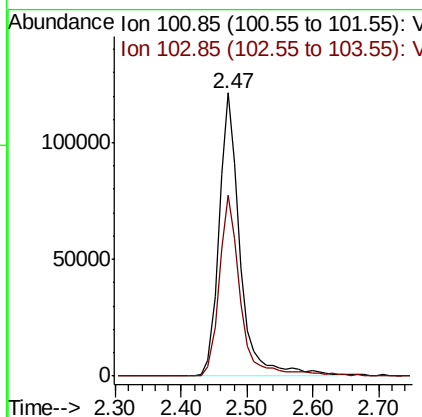
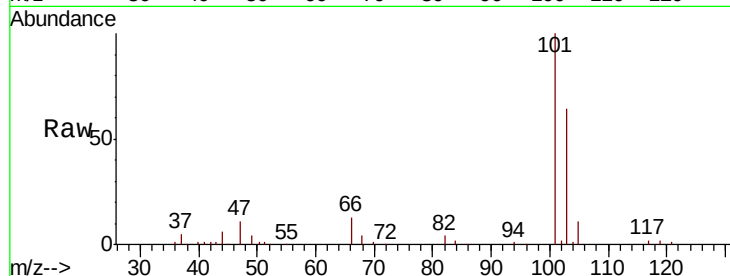
Trichlorofluoromethane
Concen: 21.441 ug/l
RT: 2.47 min Scan# 96
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	268664		
103	64.0	51.5	77.3	

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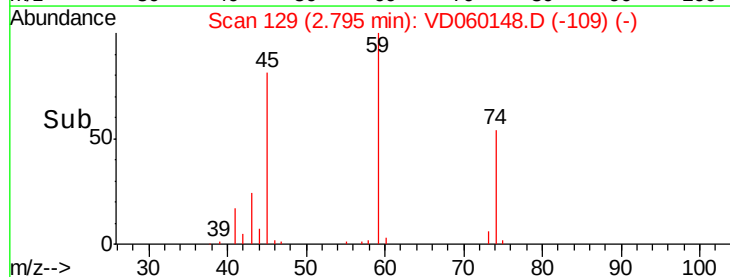
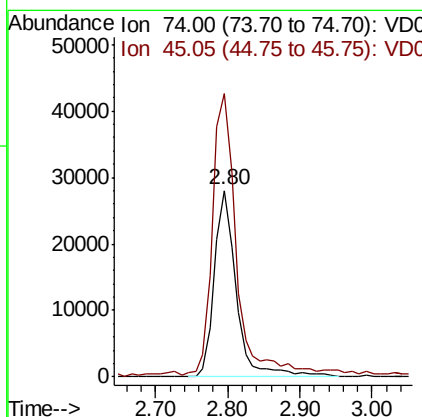
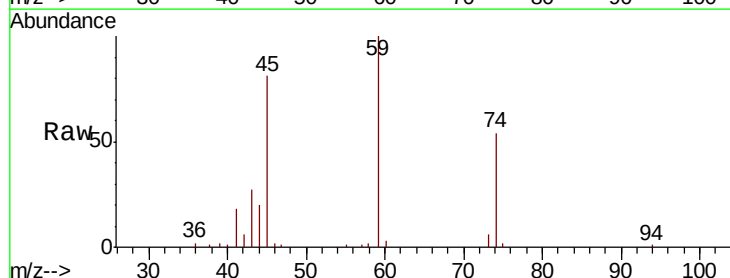
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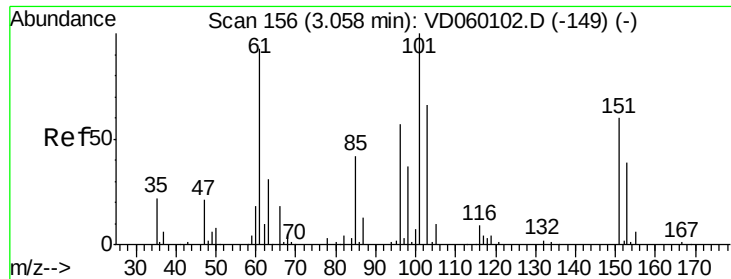


#8

Diethyl Ether
Concen: 22.889 ug/l
RT: 2.80 min Scan# 129
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58976		
45	151.9	80.3	241.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.273 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

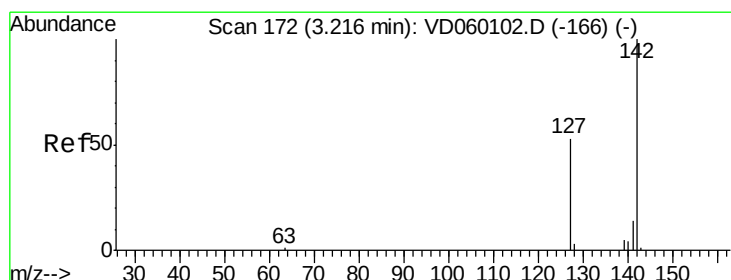
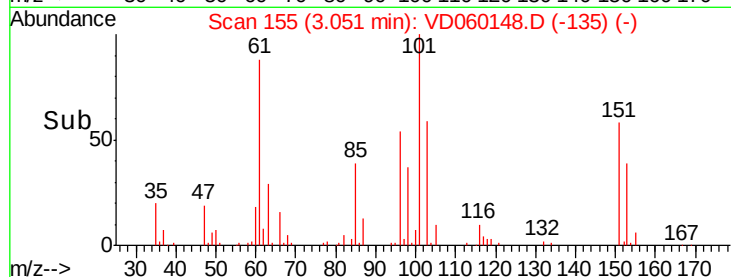
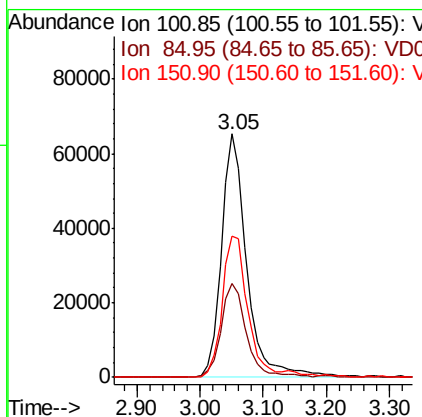
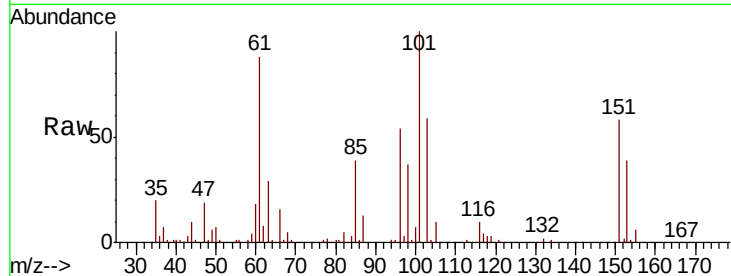
ClientSampleId :

VD1009SBSD01

Tot Ion:	101	Resp:	181668
Ion Ratio	Lower	Upper	
101	100		
85	38.7	33.4	50.0
151	58.0	48.0	72.0

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#10

Methyl Iodide

Concen: 21.044 ug/l

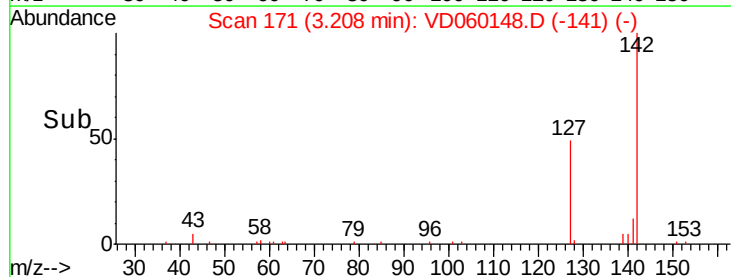
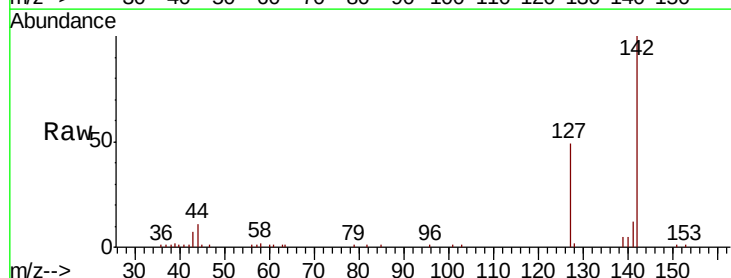
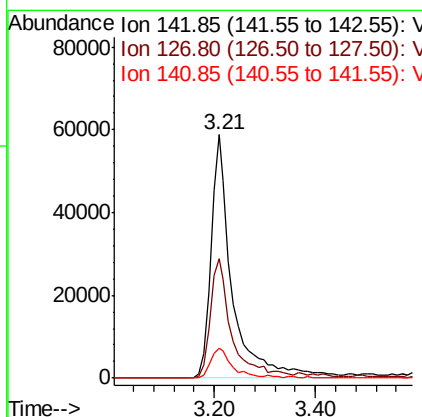
RT: 3.21 min Scan# 171

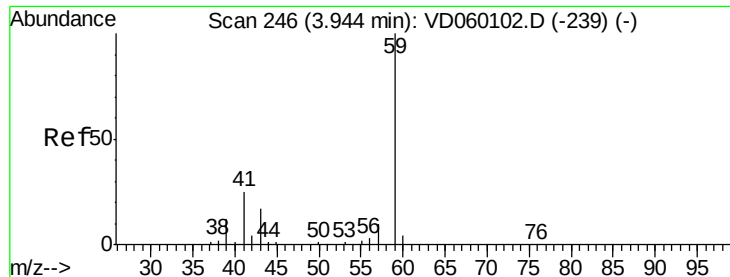
Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion:	142	Resp:	174201
Ion Ratio	Lower	Upper	
142	100		
127	49.1	42.0	63.0
141	12.3	11.4	17.0





#11

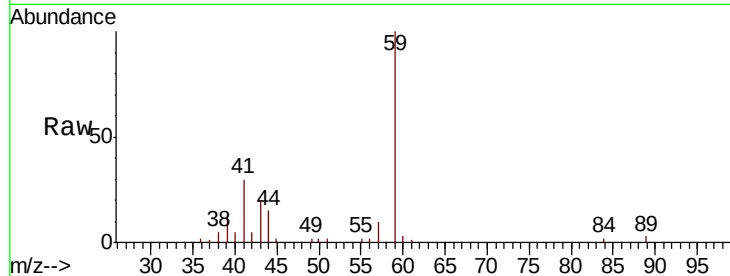
Tert butyl alcohol
Concen: 111.137 ug/l
RT: 3.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

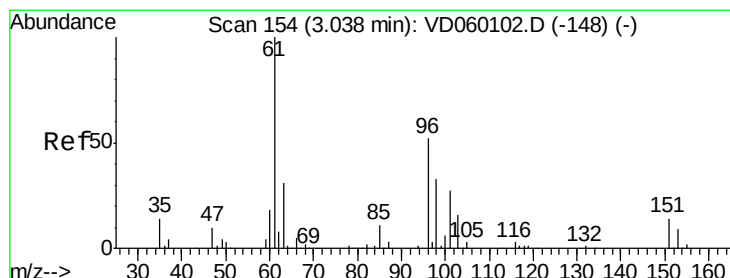
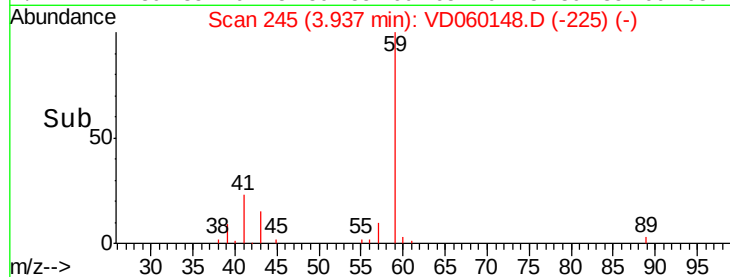
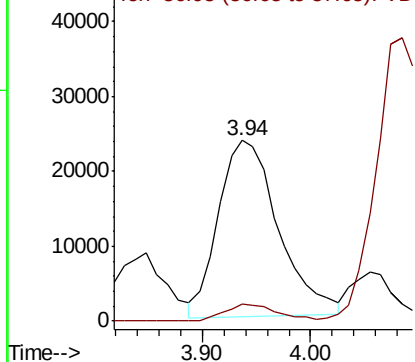
Tot Ion: 59 Resp: 91082
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6

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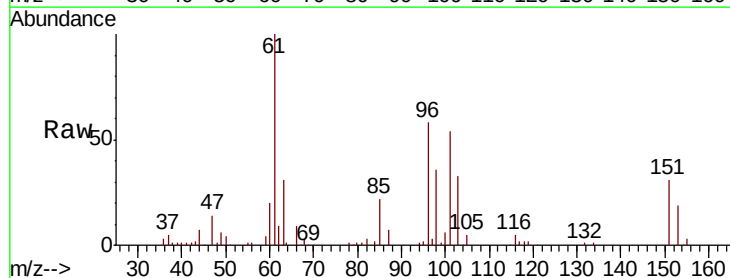
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



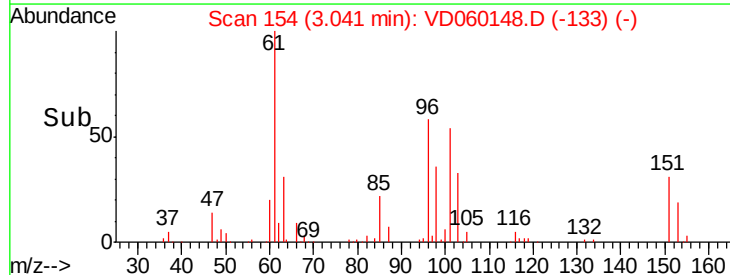
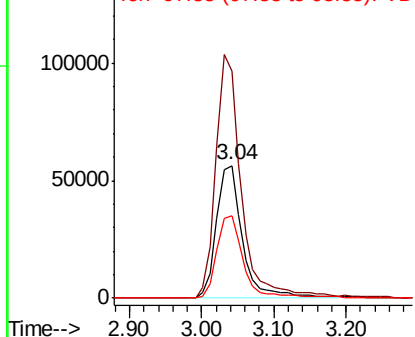
#12

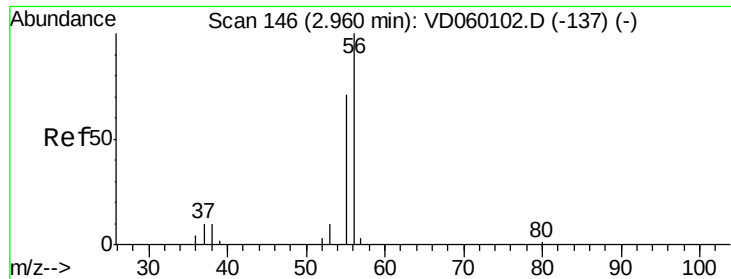
1,1-Dichloroethene
Concen: 22.976 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 96 Resp: 141293
Ion Ratio Lower Upper
96 100
61 171.2 153.0 229.4
98 61.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





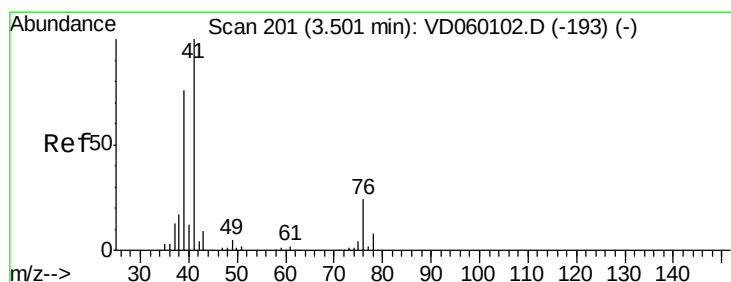
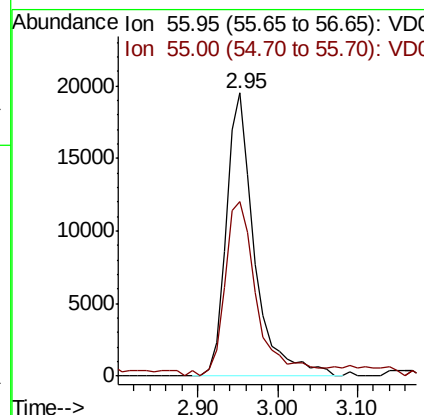
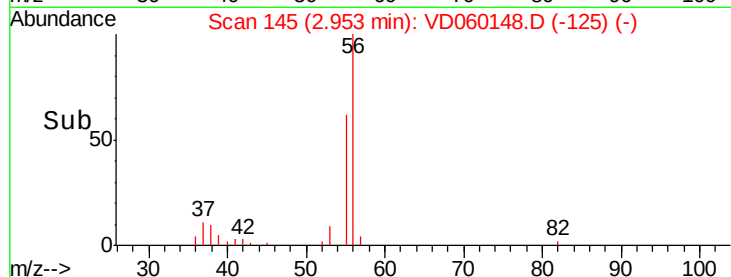
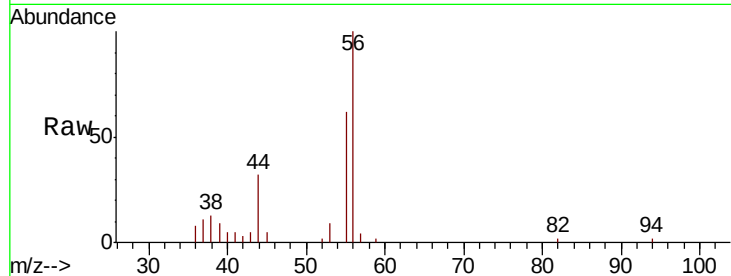
#13
Acrolein
Concen: 96.000 ug/l
RT: 2.95 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tot Ion: 56 Resp: 48500
Ion Ratio Lower Upper
56 100
55 61.6 57.4 86.2

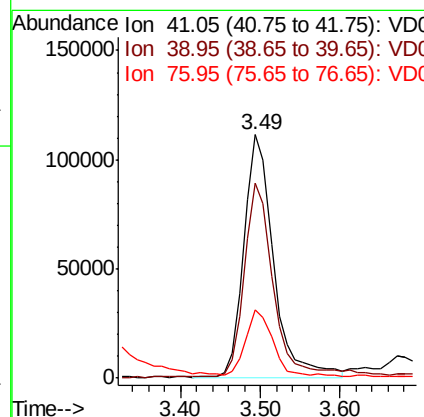
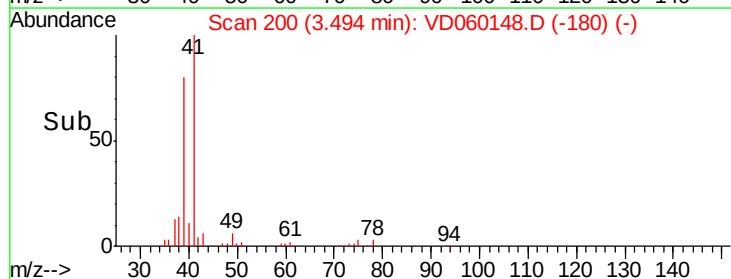
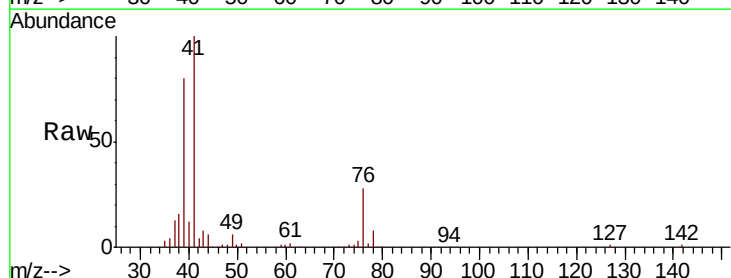
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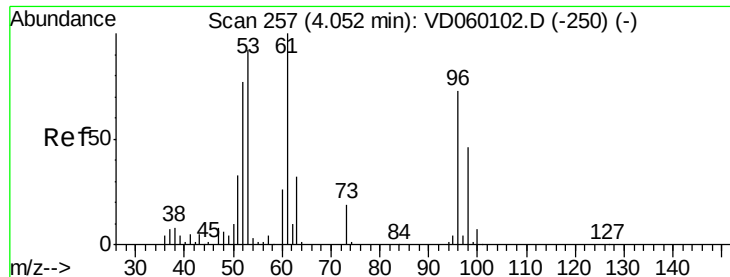
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#14
Allyl chloride
Concen: 22.354 ug/l
RT: 3.49 min Scan# 200
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 41 Resp: 285512
Ion Ratio Lower Upper
41 100
39 80.3 60.6 90.8
76 28.3 21.3 31.9





#15

Acrylonitrile

Concen: 111.901 ug/l

RT: 4.04 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS001

Tot Ion: 53 Resp: 379592

Ion Ratio Lower Upper

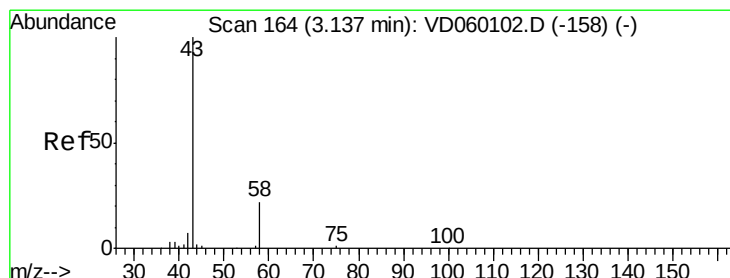
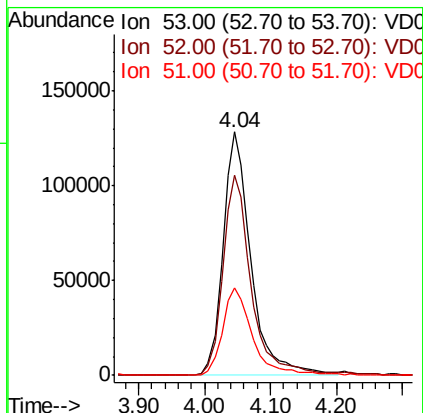
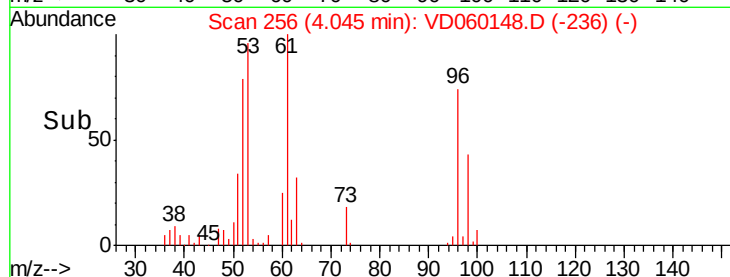
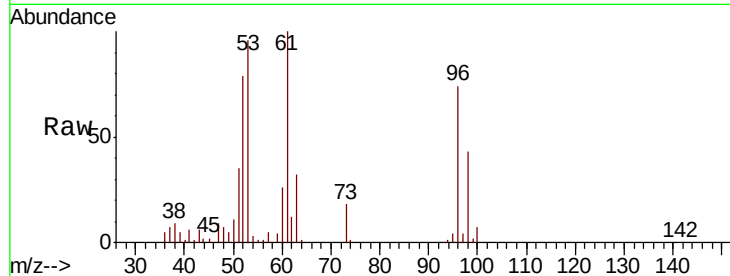
53 100

52 82.2 67.5 101.3

51 36.1 29.3 43.9

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#16

Acetone

Concen: 115.191 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060148.D

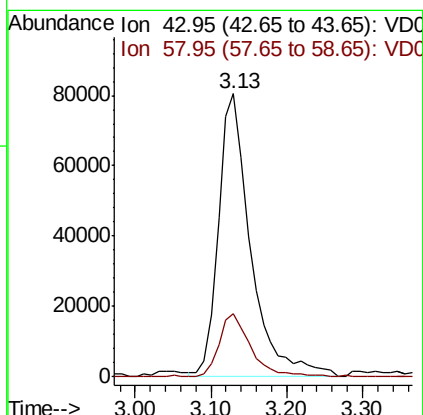
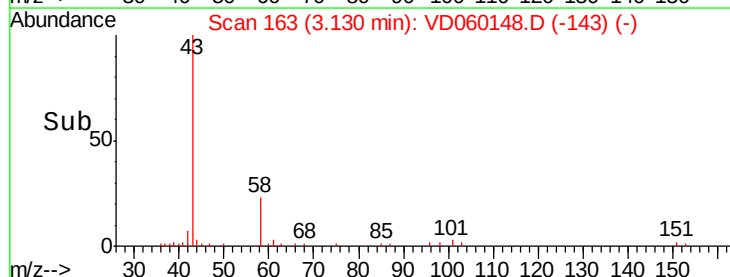
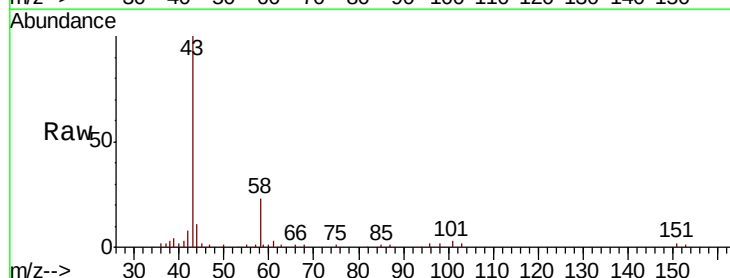
Acq: 9 Oct 2018 12:40

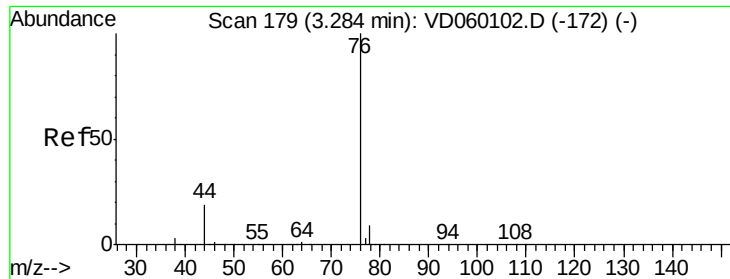
Tgt Ion: 43 Resp: 238850

Ion Ratio Lower Upper

43 100

58 22.6 17.7 26.5





#17

Carbon Disulfide

Concen: 22.014 ug/l

RT: 3.28 min Scan# 178

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tot Ion: 76 Resp: 455247

Ion Ratio Lower Upper

76 100

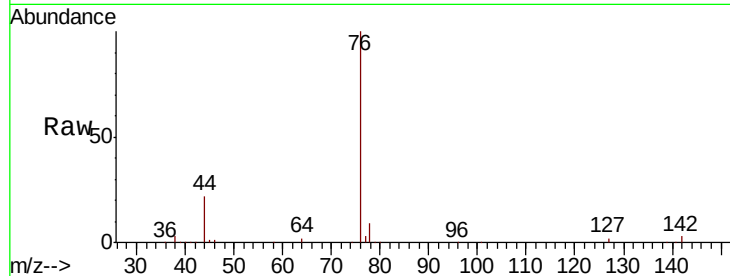
78 9.3 7.4 11.2

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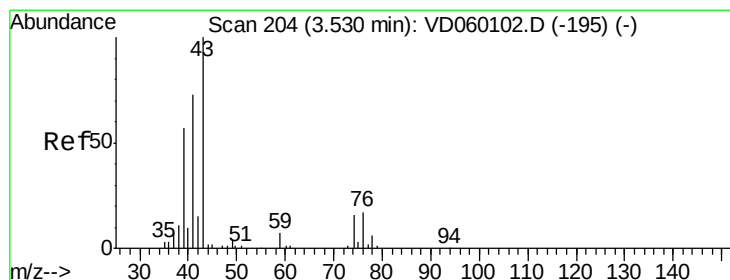
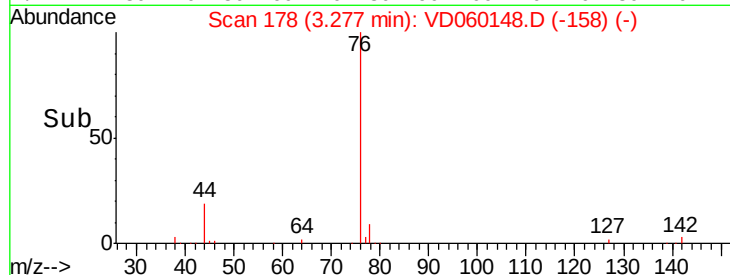
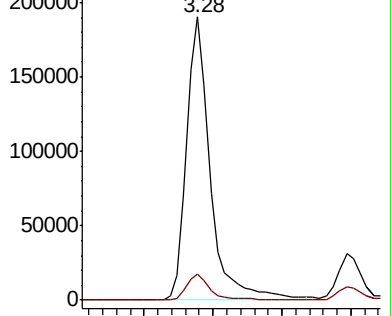
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.174 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.01 min

Lab File: VD060148.D

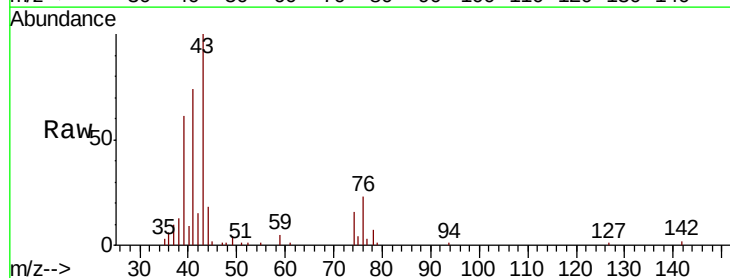
Acq: 9 Oct 2018 12:40

Tgt Ion: 43 Resp: 94367

Ion Ratio Lower Upper

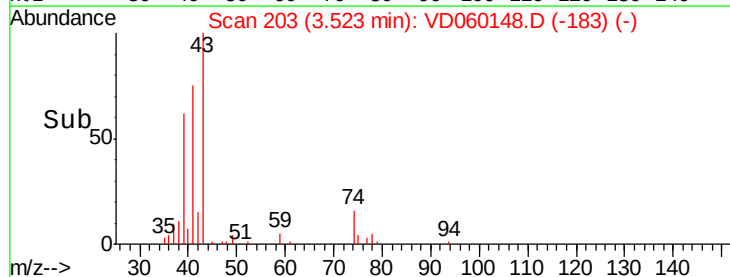
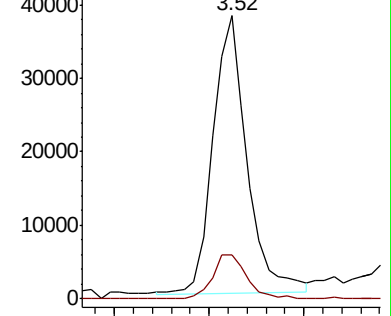
43 100

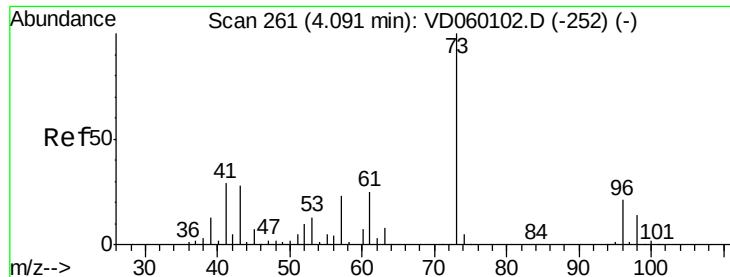
74 15.7 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

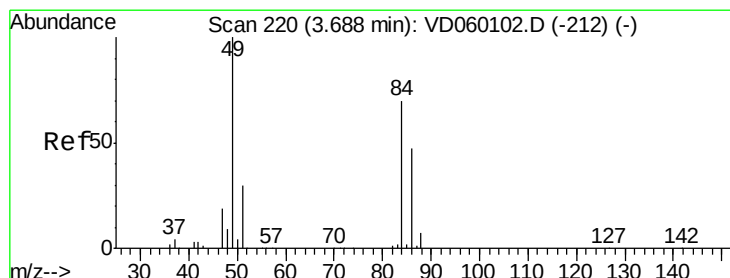
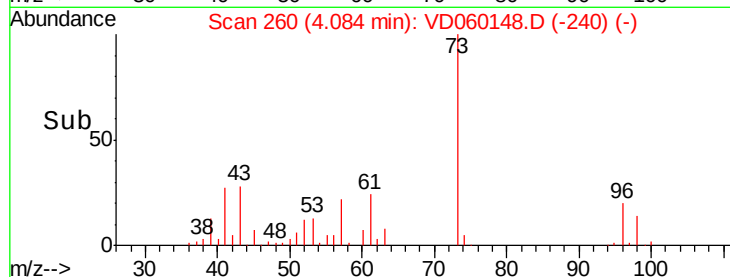
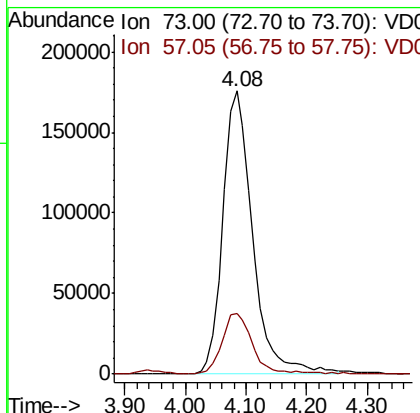
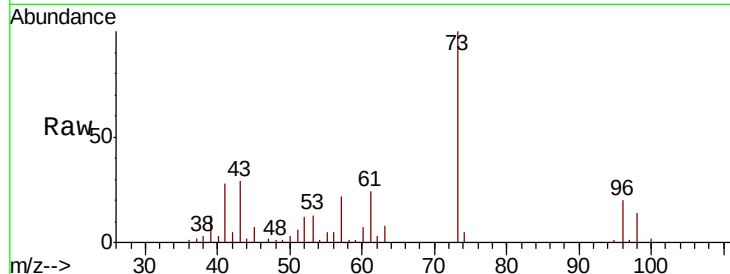
Methyl tert-butyl Ether
 Concen: 22.262 ug/l
 RT: 4.08 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1009SBS01

Tot Ion: 73 Resp: 601926
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.7 28.1

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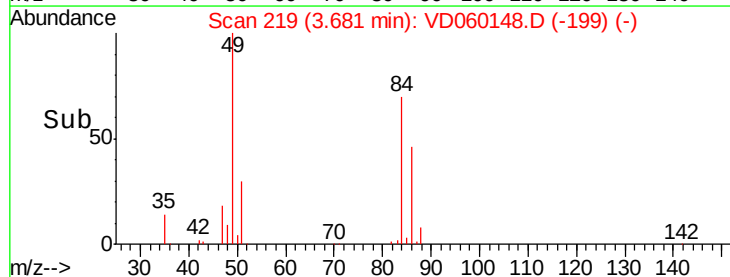
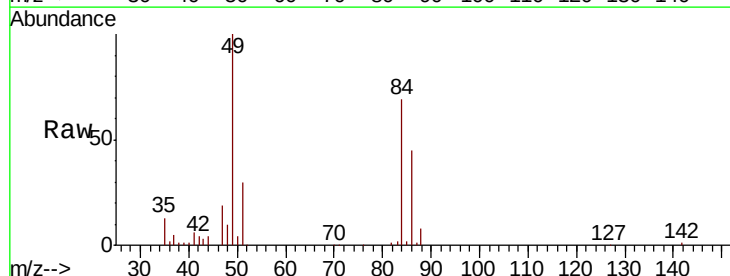
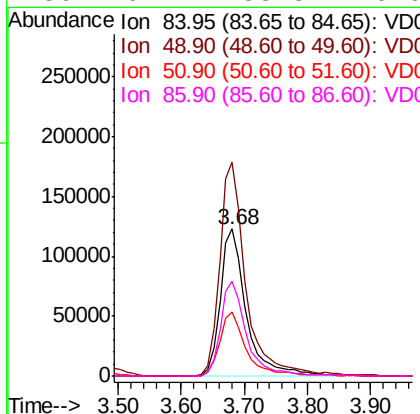
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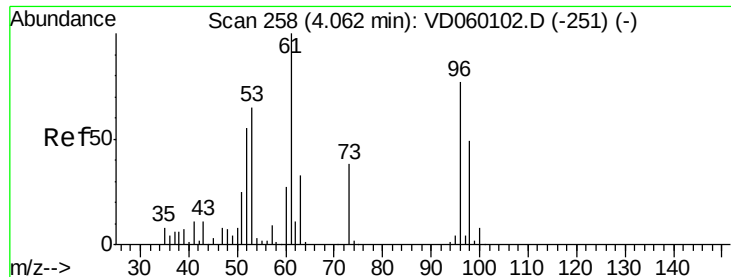


#20

Methylene Chloride
 Concen: 18.906 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 84 Resp: 352226
 Ion Ratio Lower Upper
 84 100
 49 145.4 114.6 172.0
 51 43.5 33.8 50.8
 86 64.7 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.438 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 96 Resp: 340485

Ion Ratio Lower Upper

96 100

61 139.5 103.3 154.9

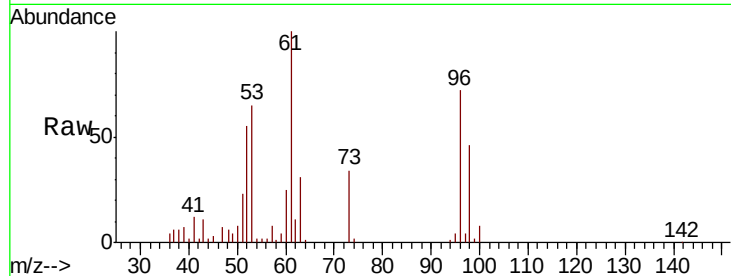
98 64.2 50.4 75.6

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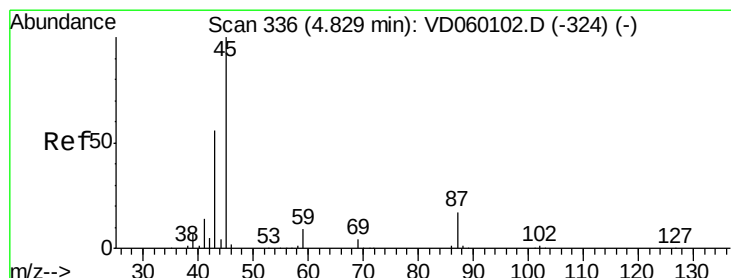
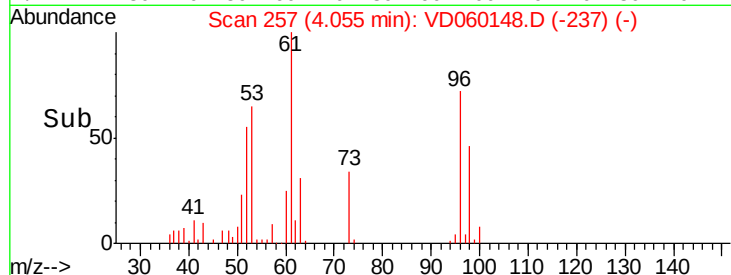
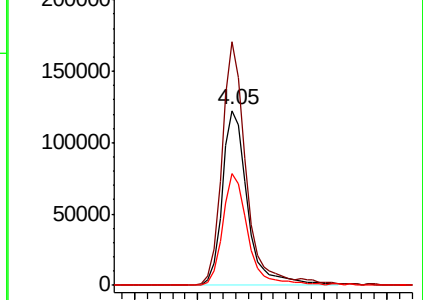
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.326 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion: 45 Resp: 1273475

Ion Ratio Lower Upper

45 100

43 57.3 44.8 67.2

87 16.8 13.9 20.9

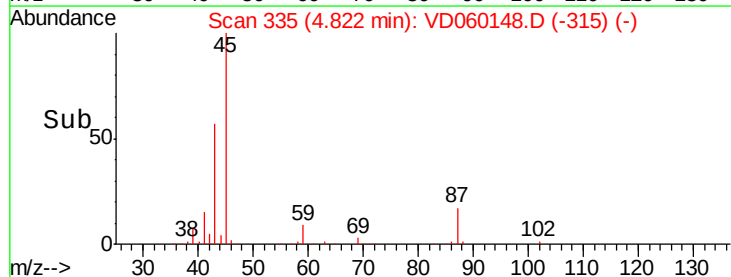
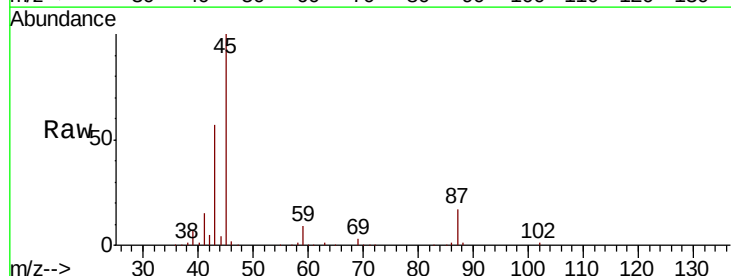
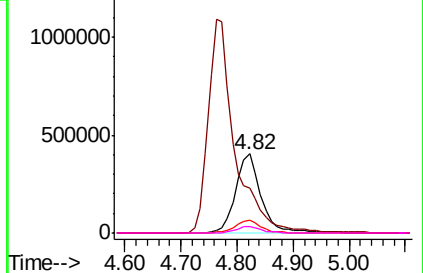
59 8.9 7.1 10.7

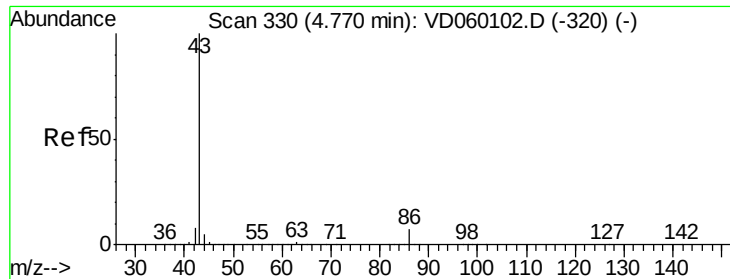
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 112.433 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 43 Resp: 3604831

Ion Ratio Lower Upper

43 100

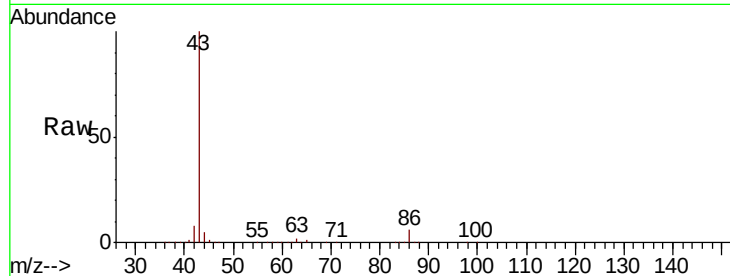
86 6.4 5.6 8.4

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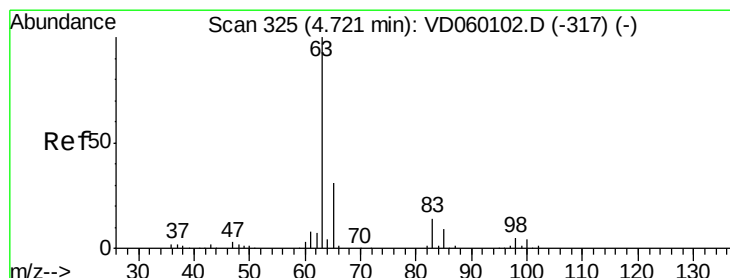
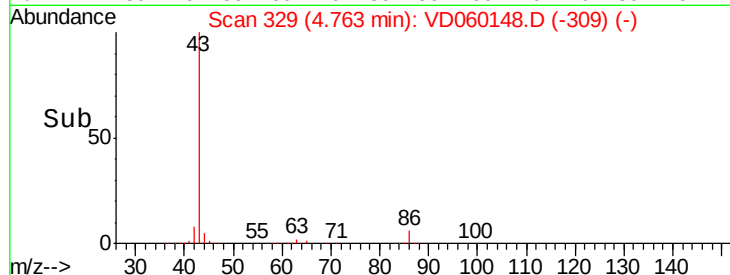
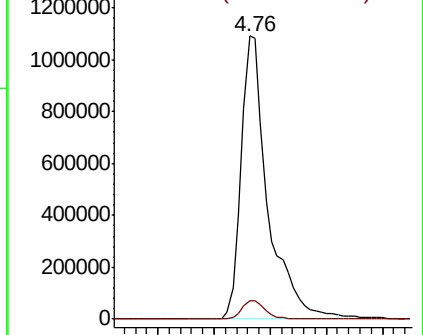
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.829 ug/l

RT: 4.71 min Scan# 324

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

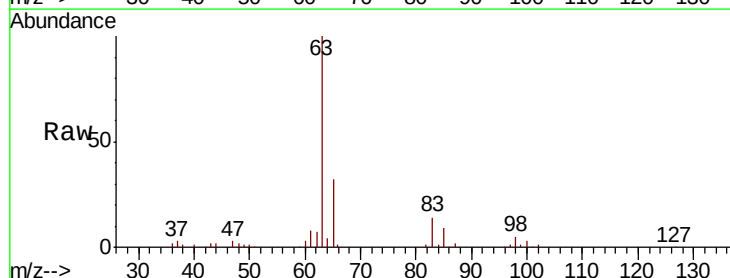
Tgt Ion: 63 Resp: 564537

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

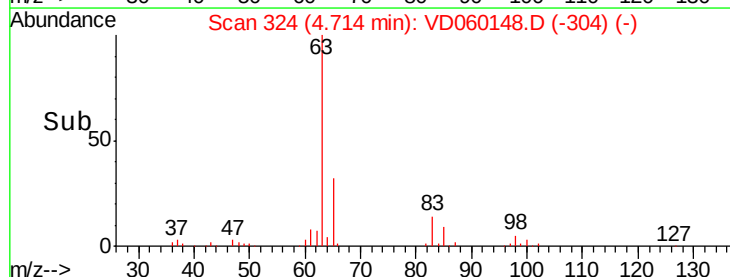
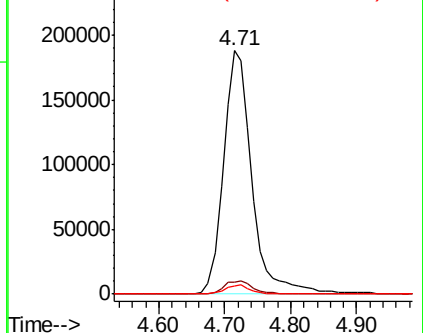
100 3.1 1.8 5.3

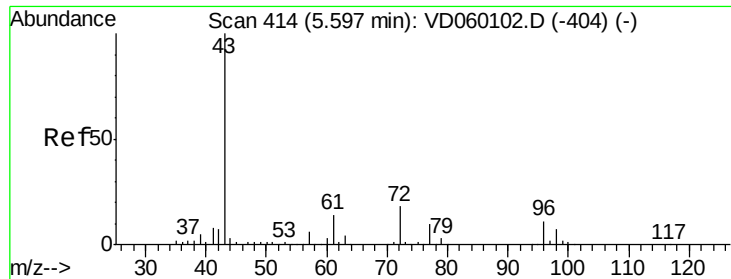


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.923 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleID :

VD1009SBS01

Tot Ion: 43 Resp: 595320

Ion Ratio Lower Upper

43 100

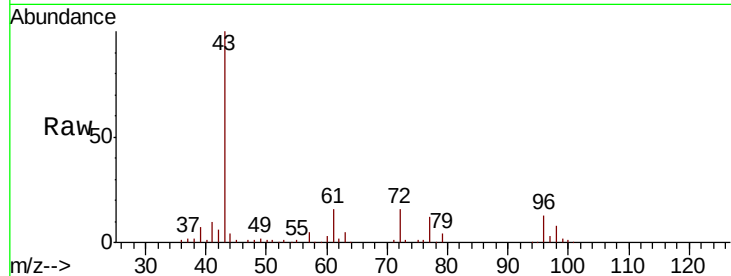
72 16.2 14.5 21.7

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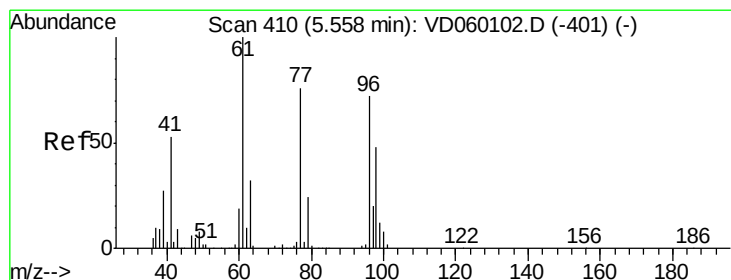
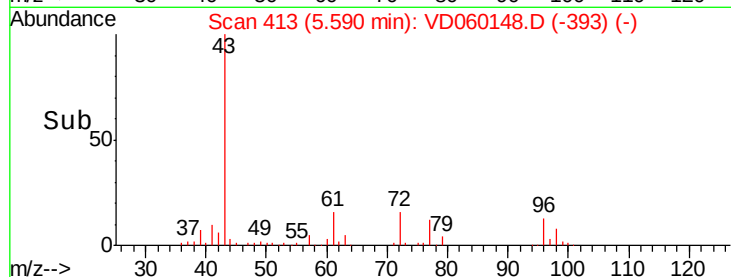
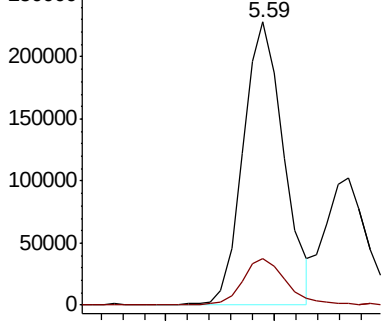
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.634 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060148.D

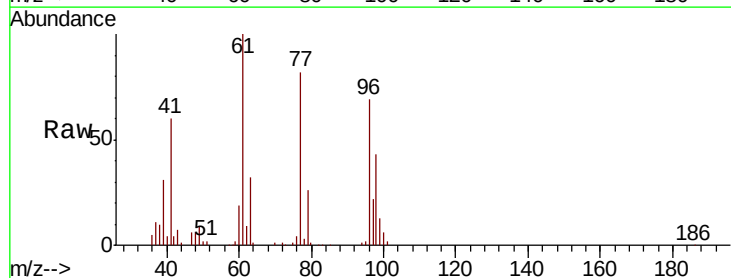
Acq: 9 Oct 2018 12:40

Tgt Ion: 77 Resp: 443762

Ion Ratio Lower Upper

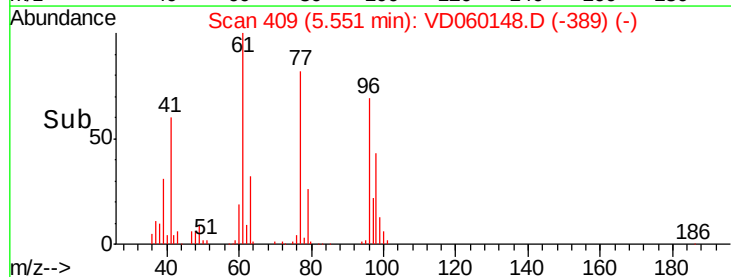
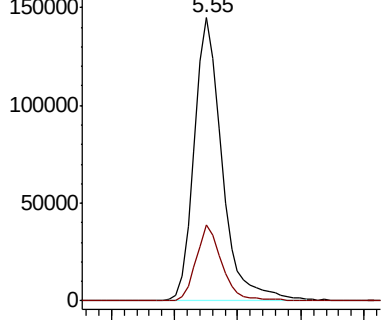
77 100

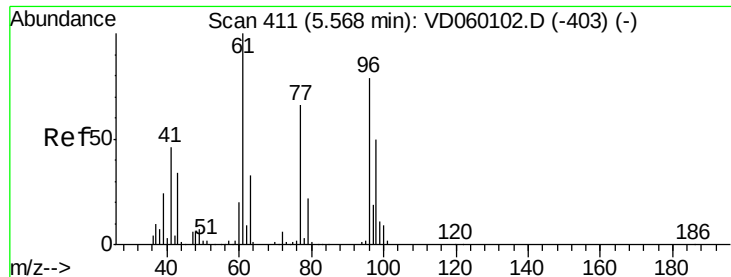
97 26.8 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

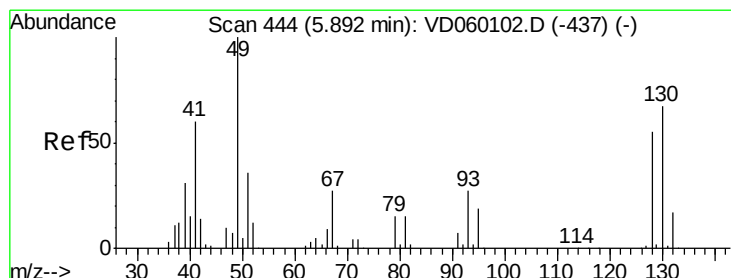
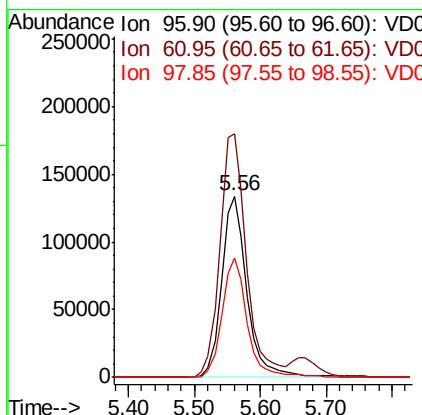
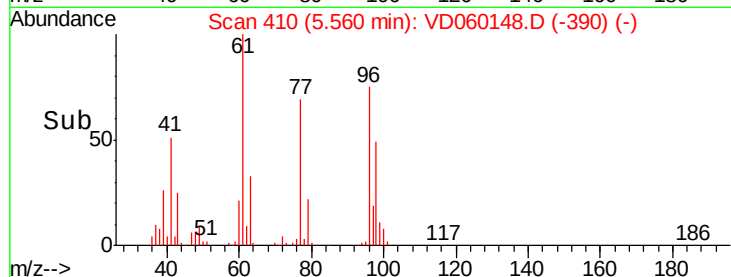
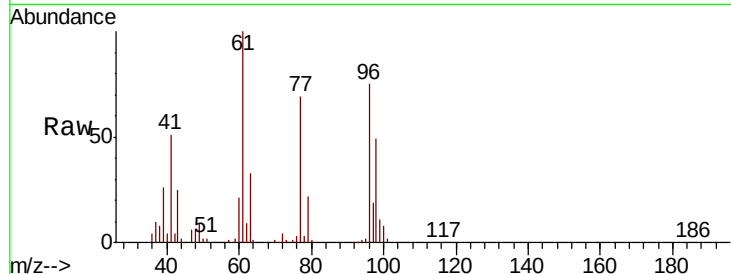
cis-1,2-Dichloroethene
 Concen: 21.263 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.2	0.0	251.8	
98	65.6	0.0	125.2	

Manual Integrations
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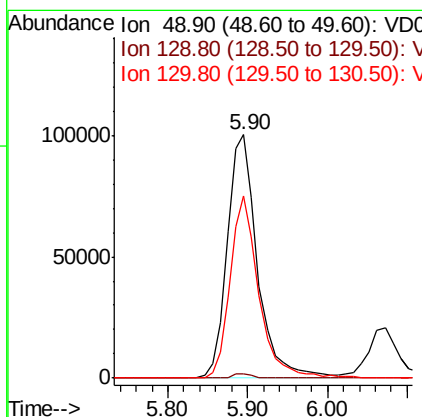
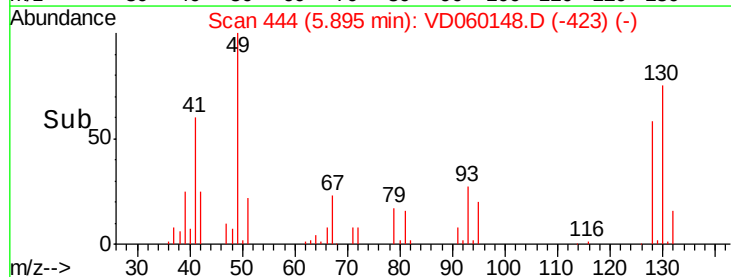
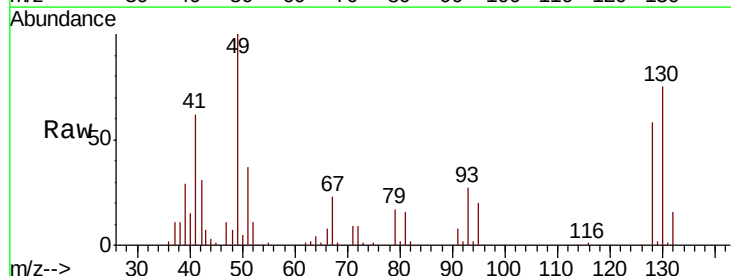
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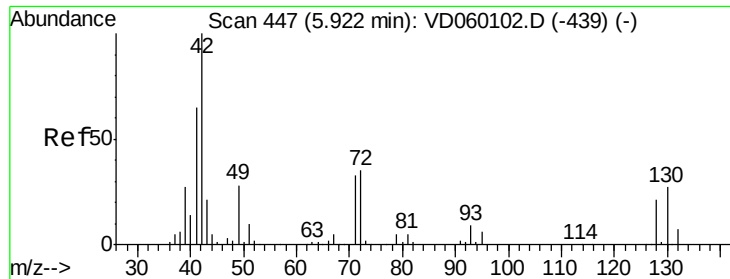


#28

Bromochloromethane
 Concen: 21.189 ug/l
 RT: 5.90 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	74.7	53.9	80.9	





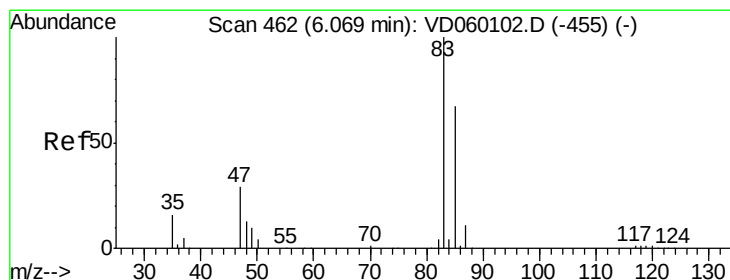
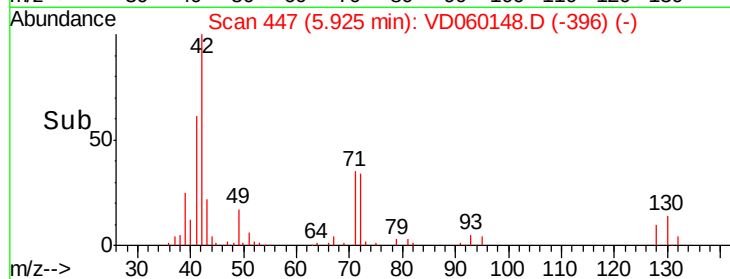
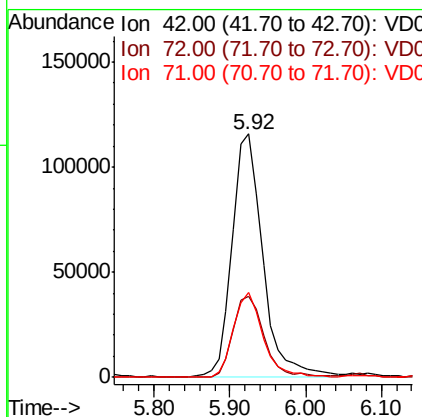
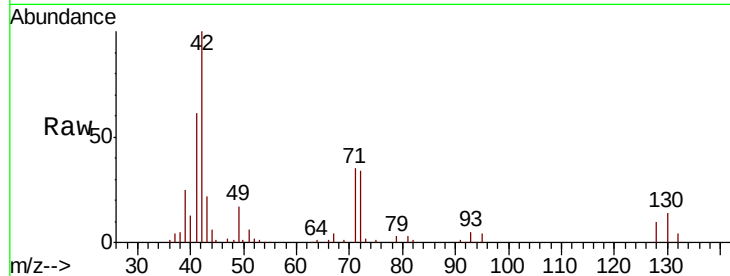
#29
Tetrahydrofuran
Concen: 108.373 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	26.9	40.3
71	33.6	26.7	40.1

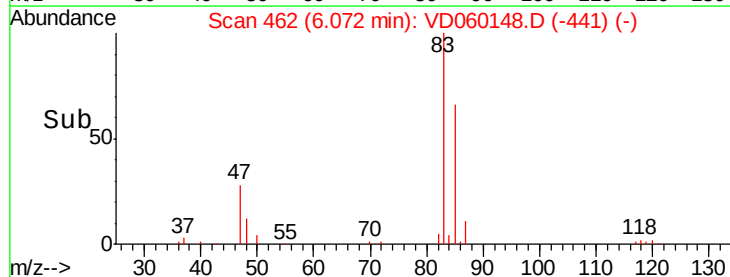
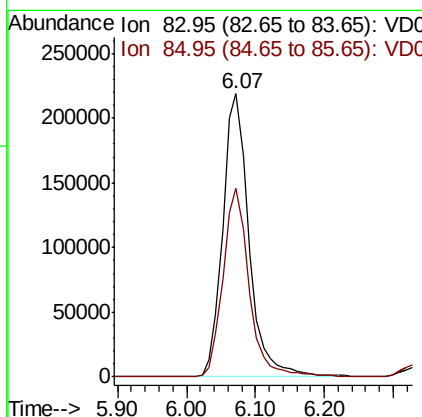
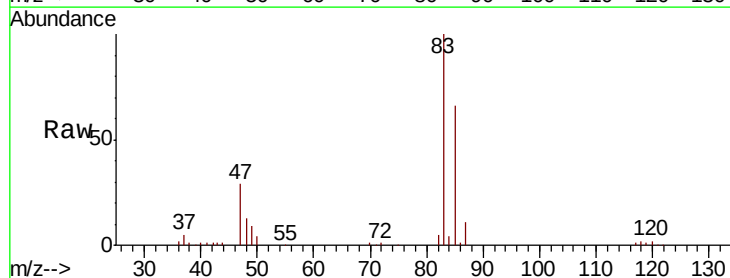
Manual Integrations
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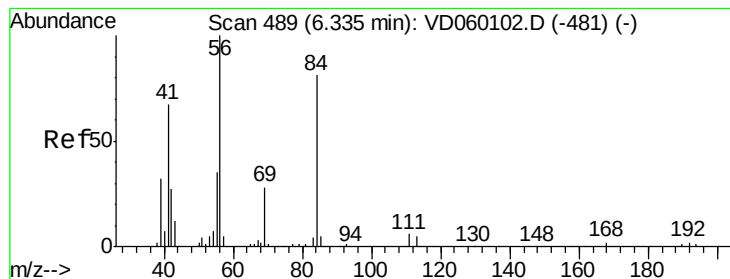
apatel
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#30
Chloroform
Concen: 22.118 ug/l
RT: 6.07 min Scan# 462
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.8	80.8





#31

Cyclohexane

Concen: 20.772 ug/l

RT: 6.34 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 56 Resp: 514248

Ion Ratio Lower Upper

56 100

69 30.3 22.8 34.2

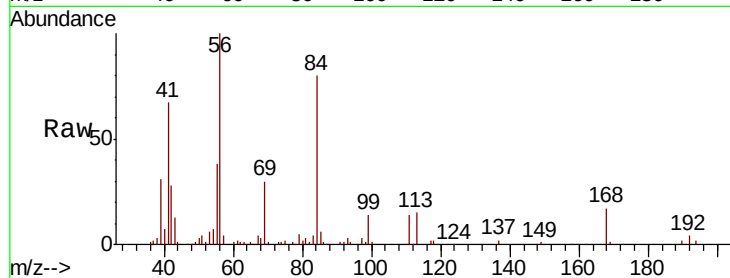
84 80.2 64.9 97.3

Manual Integrations

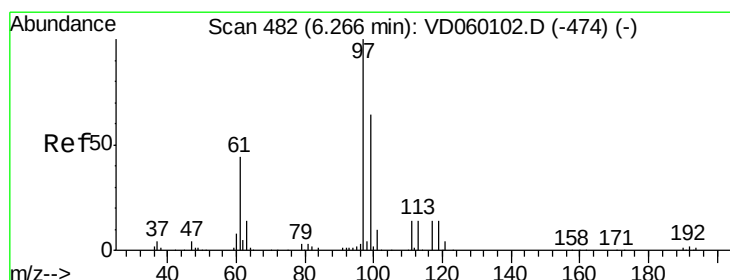
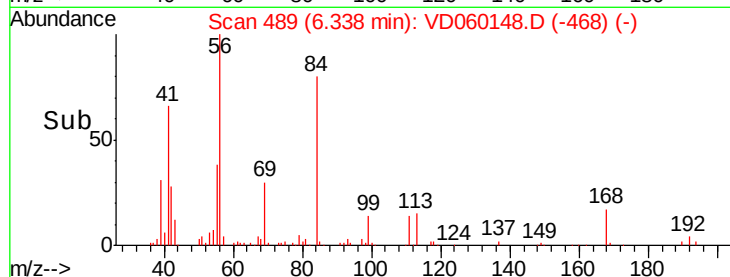
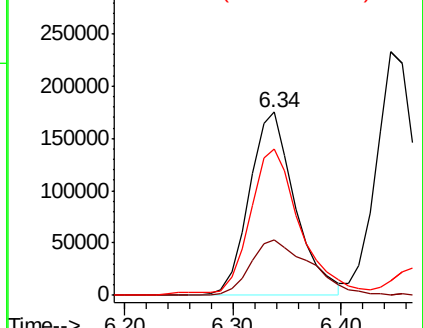
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 22.058 ug/l

RT: 6.26 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

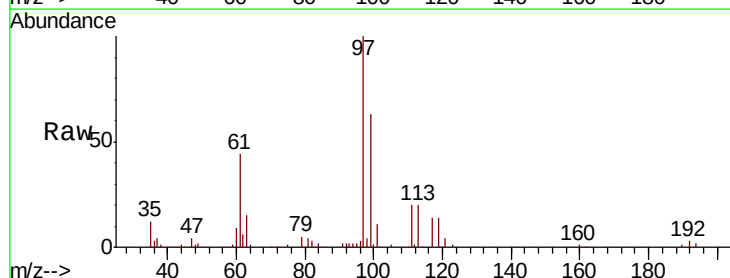
Tgt Ion: 97 Resp: 472775

Ion Ratio Lower Upper

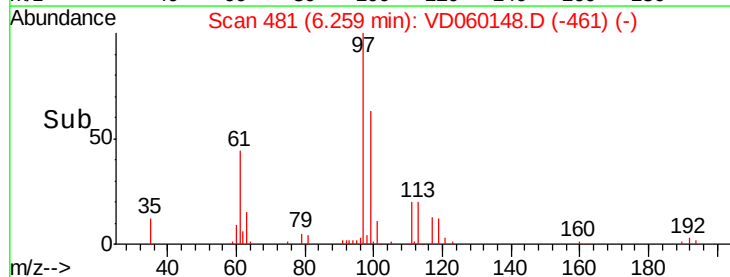
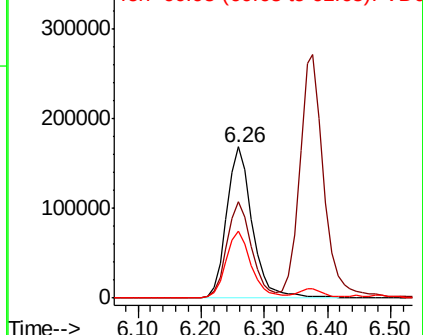
97 100

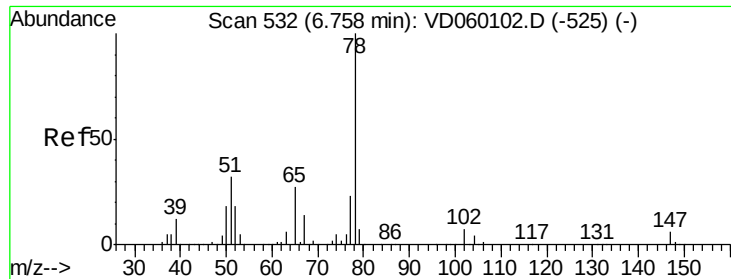
99 63.5 51.4 77.0

61 43.9 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 22.058 ug/l

RT: 6.75 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tot Ion: 65 Resp: 614655

Ion Ratio Lower Upper

65 100

67 50.7

0.0

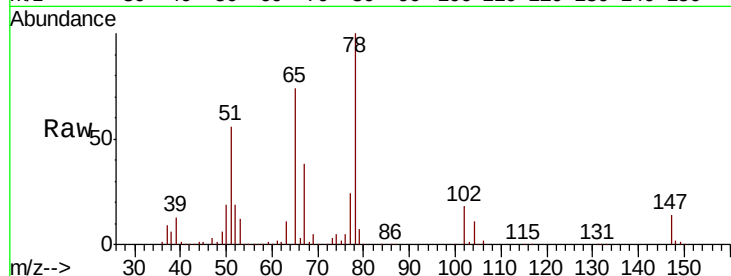
106.2

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

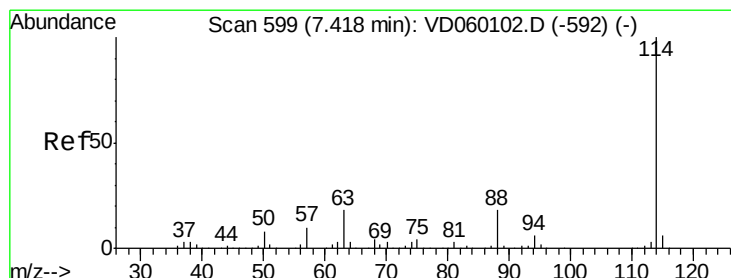
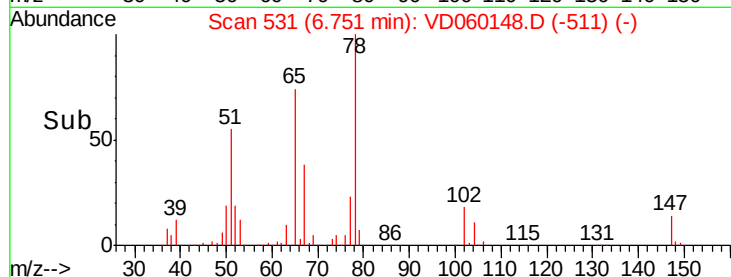
50000

0

6.70

6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion:114 Resp: 2085833

Ion Ratio Lower Upper

114 100

63 16.9

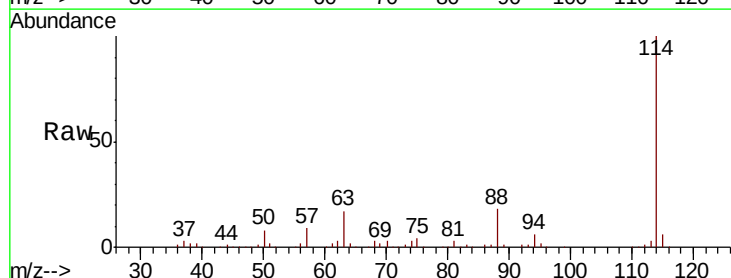
0.0

36.0

88 17.5

0.0

36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

400000

200000

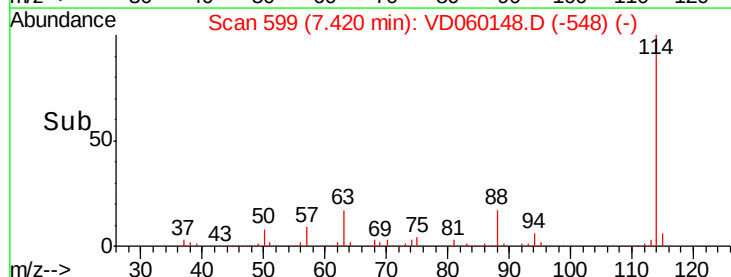
0

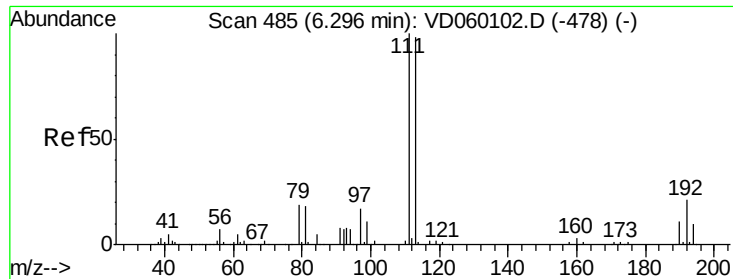
7.20

7.40

7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

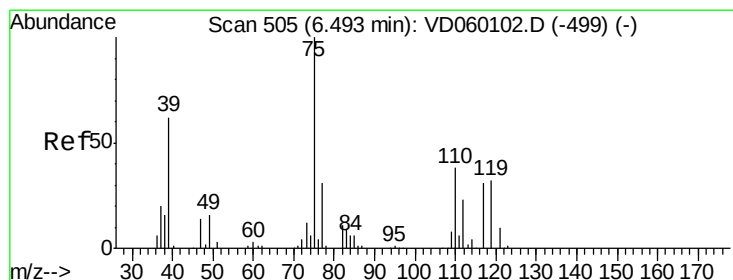
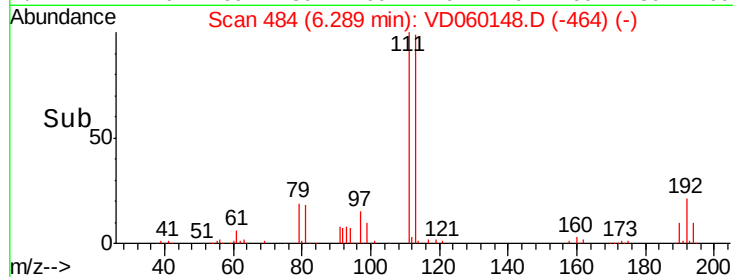
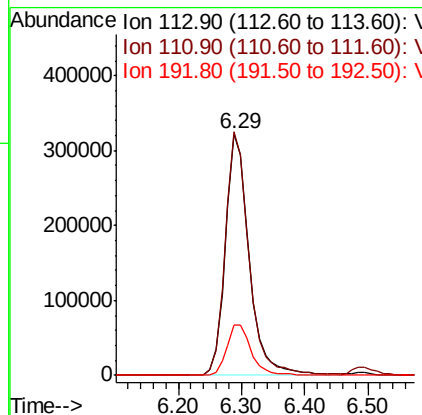
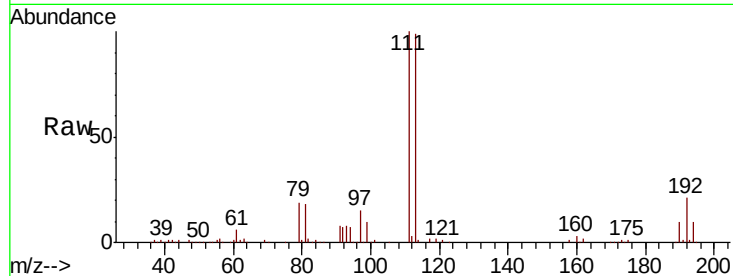
ClientSampleId :

VD1009SBSD01

Tot Ion:	113	Resp:	842645
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.5	122.3
192	20.9	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 21.852 ug/l

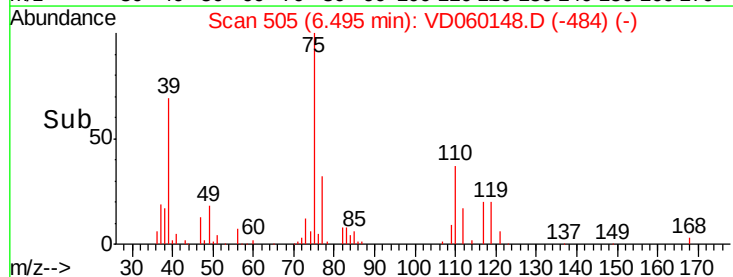
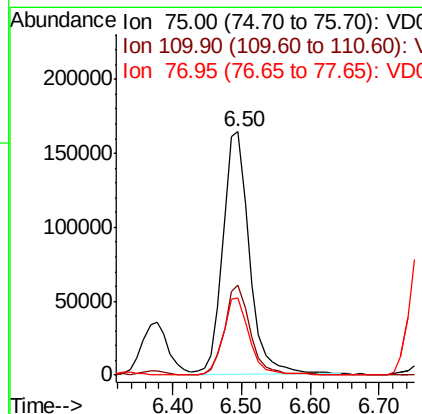
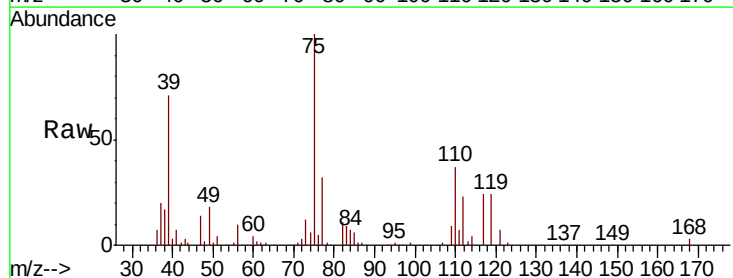
RT: 6.50 min Scan# 505

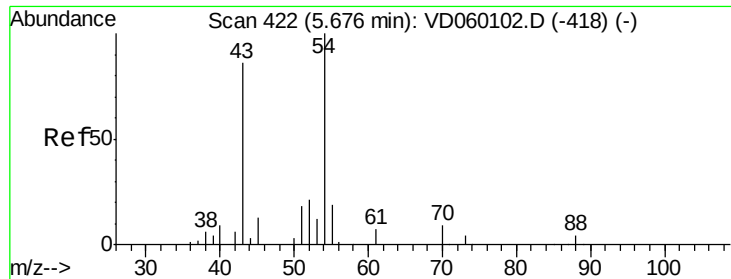
Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion:	75	Resp:	435555
Ion Ratio	Lower	Upper	
75	100		
110	36.9	19.0	57.0
77	31.9	24.9	37.3





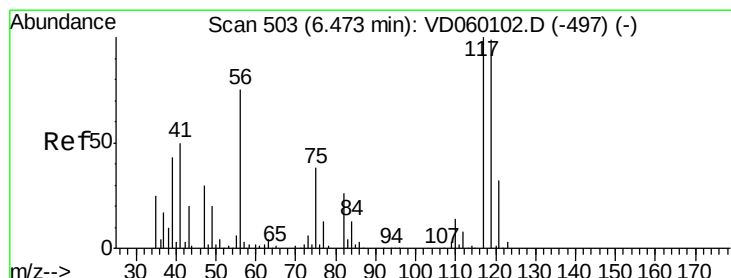
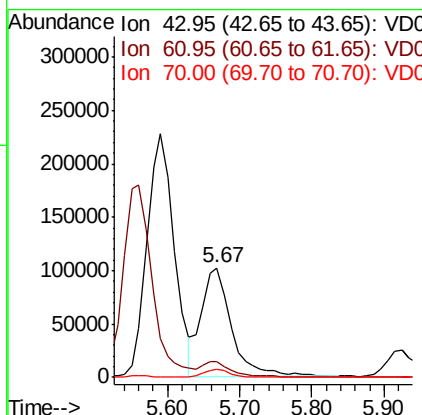
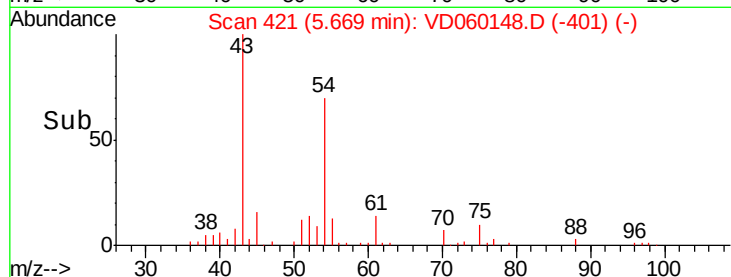
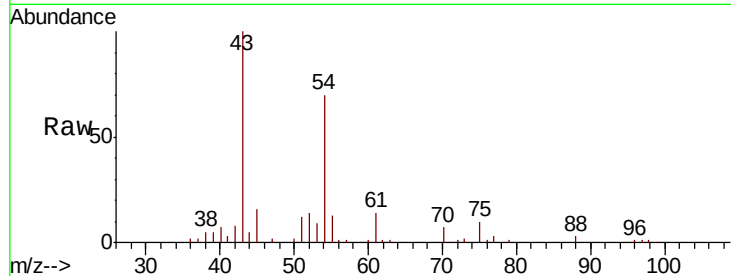
#37
Ethyl Acetate
Concen: 22.248 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	7.0	6.3	9.5

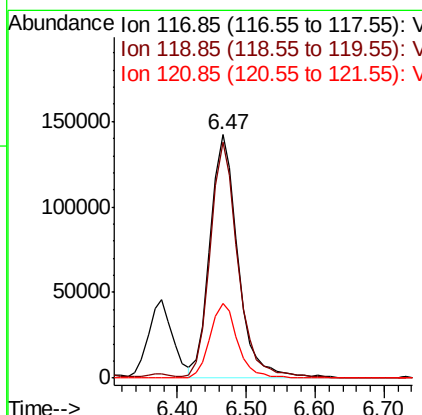
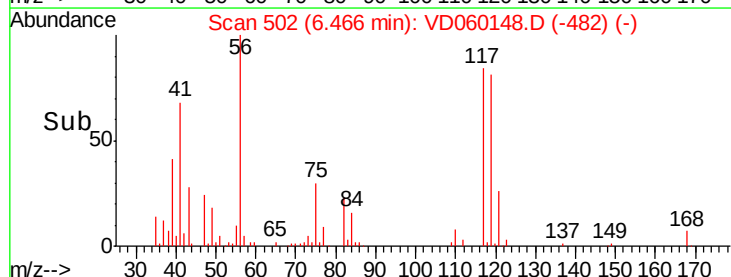
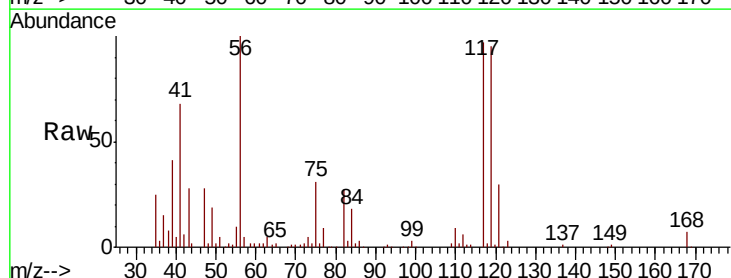
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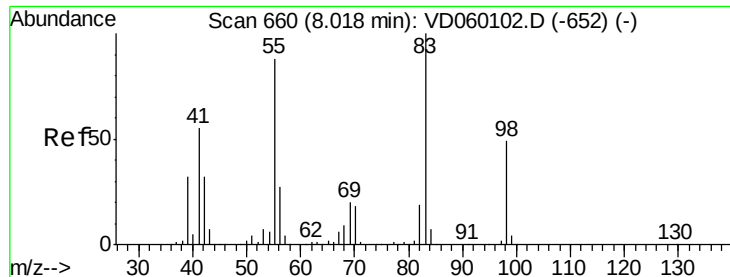
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#38
Carbon Tetrachloride
Concen: 21.905 ug/l
RT: 6.47 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.8	116.6
121	30.9	24.8	37.2





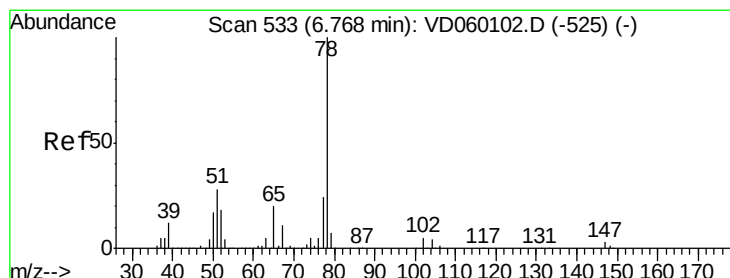
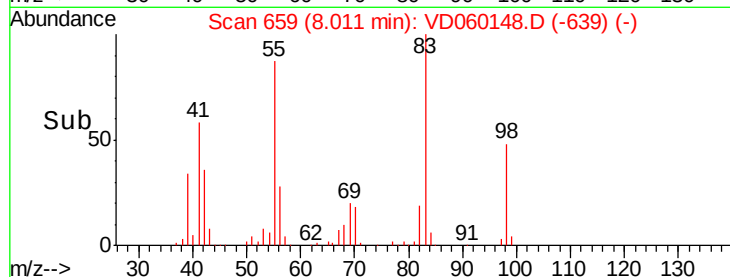
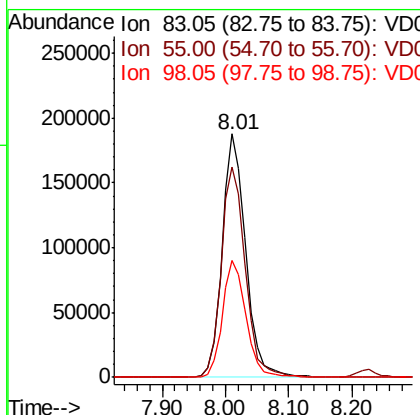
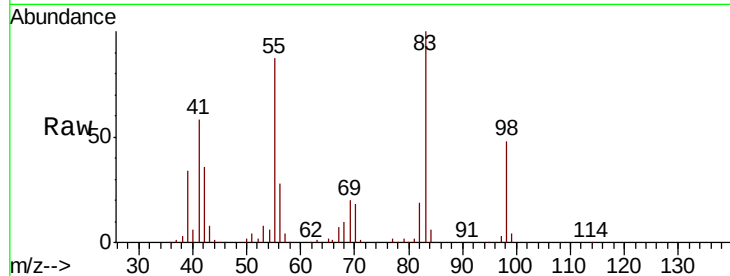
#39
Methylvlcyclohexane
Concen: 21.386 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	70.5	105.7
98	48.1	39.4	59.2

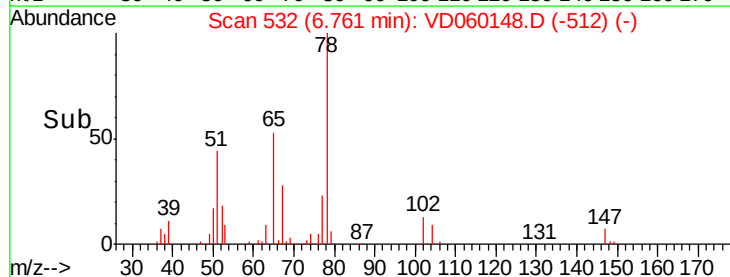
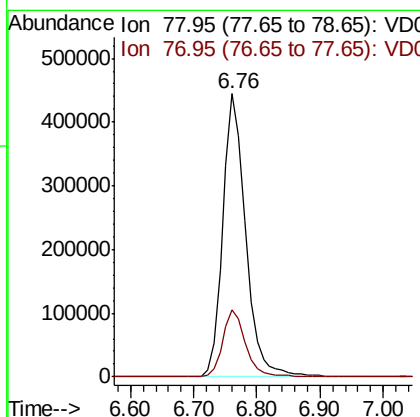
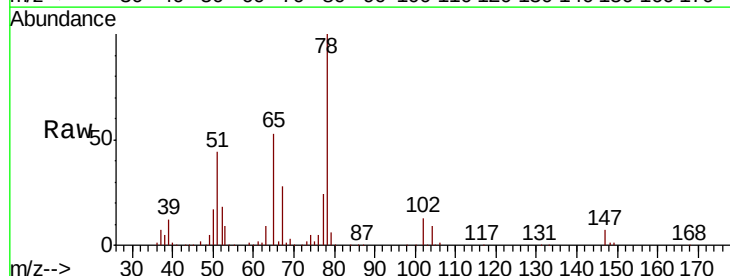
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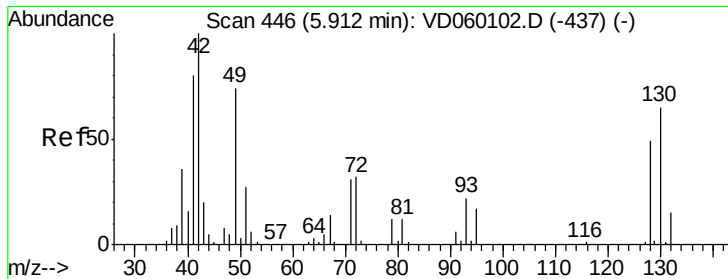
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#40
Benzene
Concen: 21.509 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





#41

Methacrylonitrile

Concen: 22.030 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 41 Resp: 164738

Ion Ratio Lower Upper

41 100

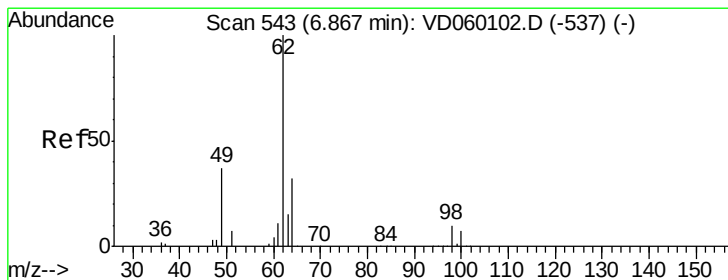
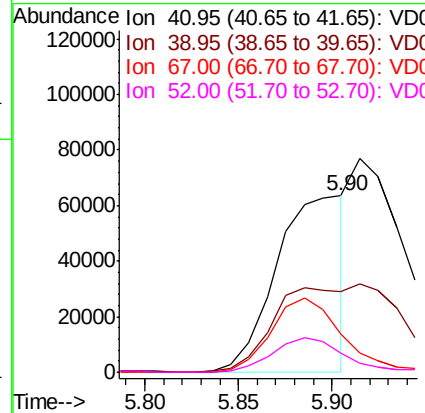
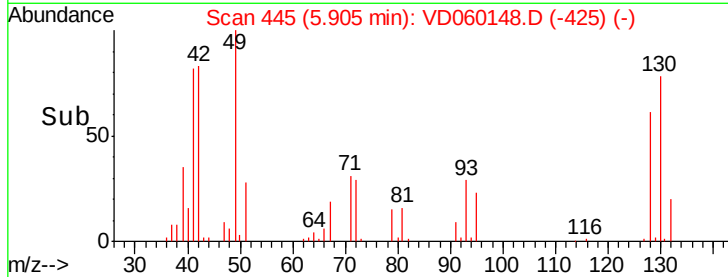
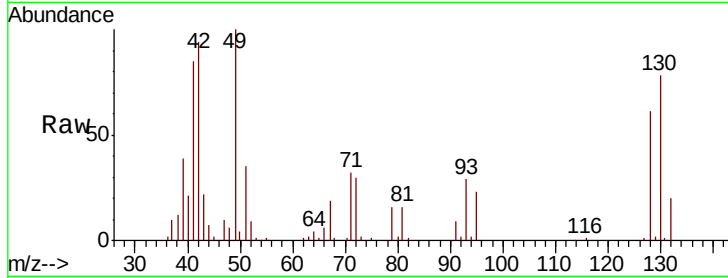
39 45.5 36.0 54.0

67 21.9 13.9 20.9#

52 10.7 6.1 9.1#

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#42

1,2-Dichloroethane

Concen: 21.859 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060148.D

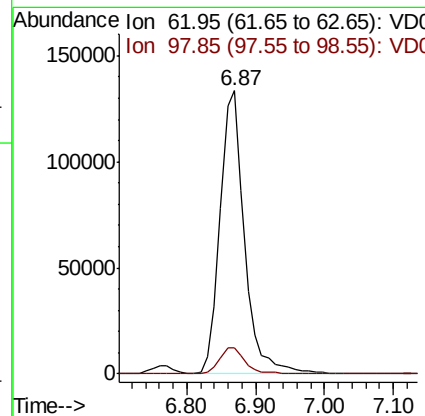
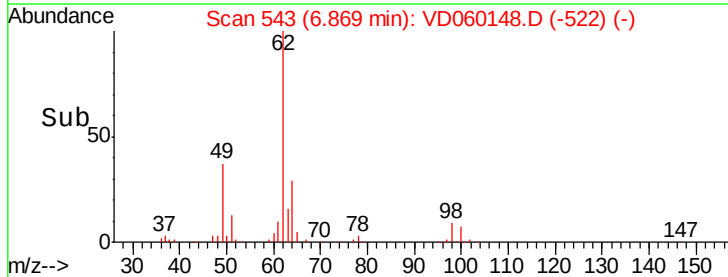
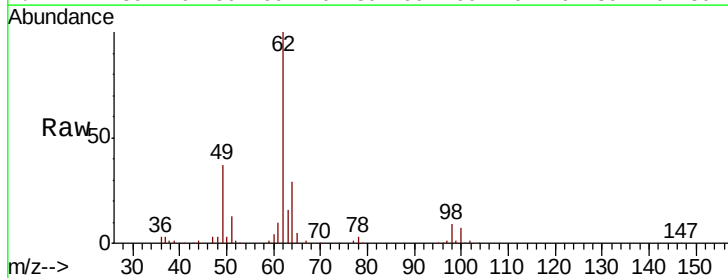
Acq: 9 Oct 2018 12:40

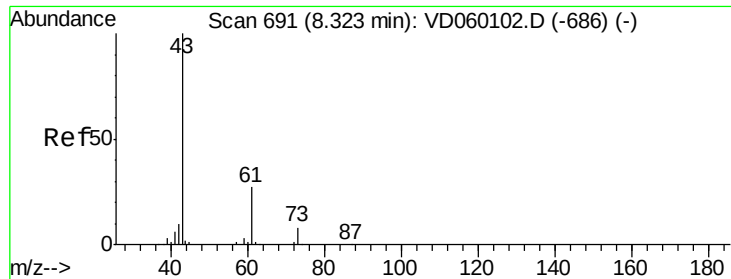
Tgt Ion: 62 Resp: 326786

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.6





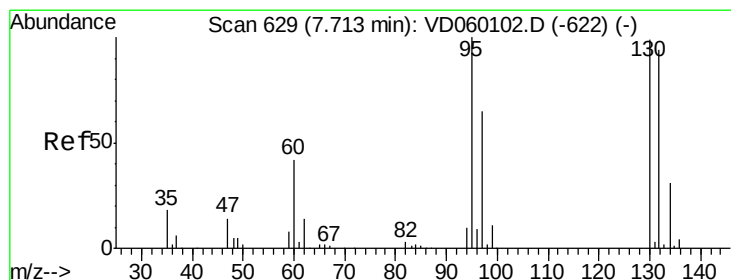
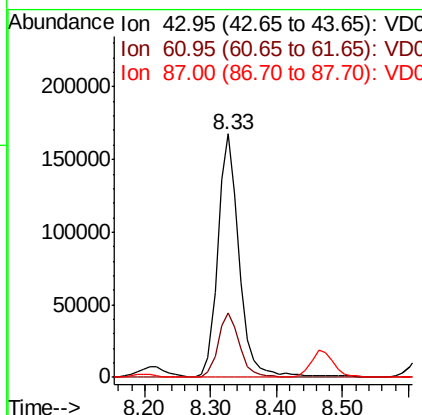
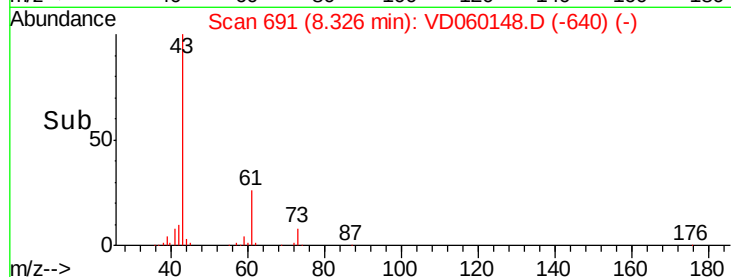
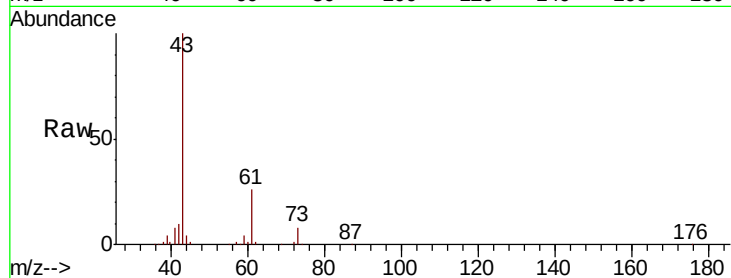
#43
Isopropyl Acetate
Concen: 21.358 ug/l
RT: 8.33 min Scan# 691
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.4	32.2
87	0.3	0.2	0.2#

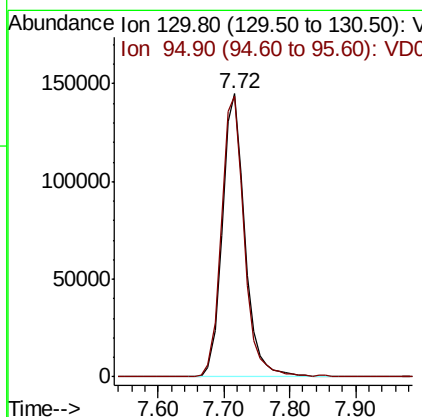
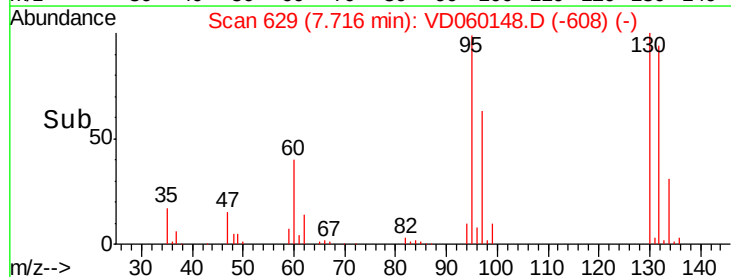
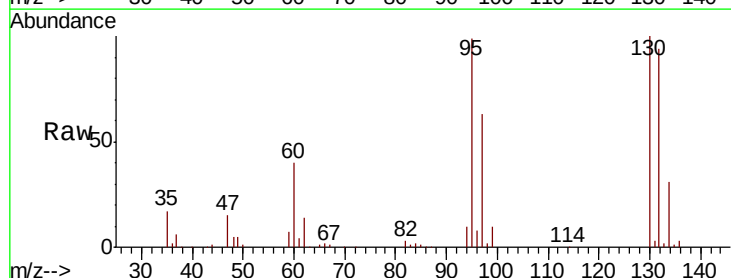
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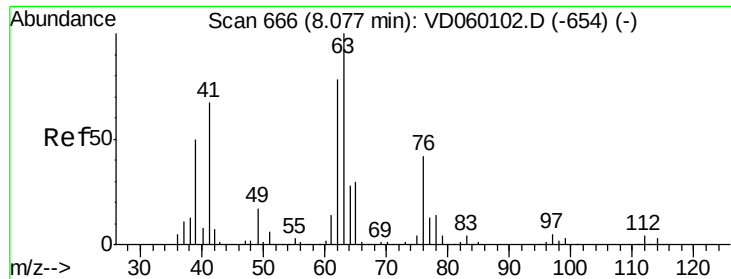
apatel
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#44
Trichloroethene
Concen: 21.441 ug/l
RT: 7.72 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	202.2





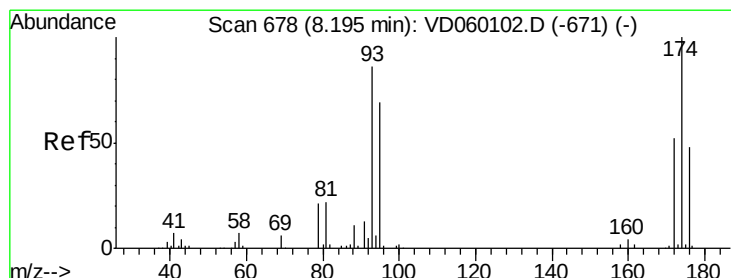
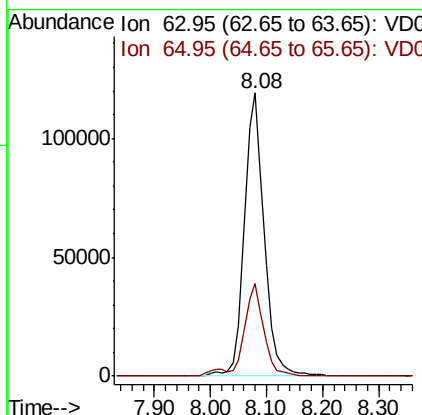
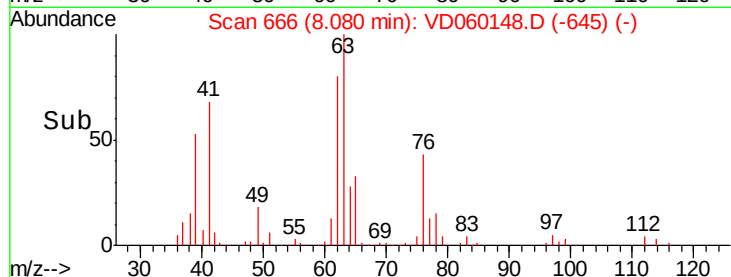
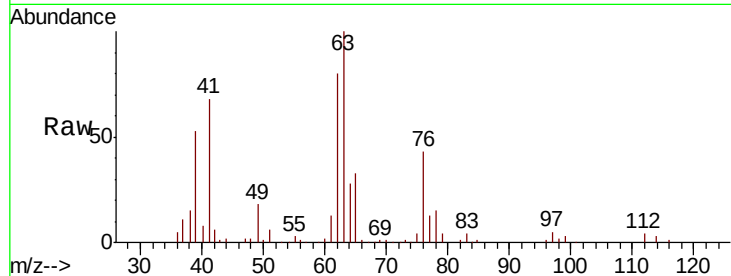
#45
 1,2-Dichloropropane
 Concen: 21.307 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion: 63 Resp: 290925
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.1 36.1

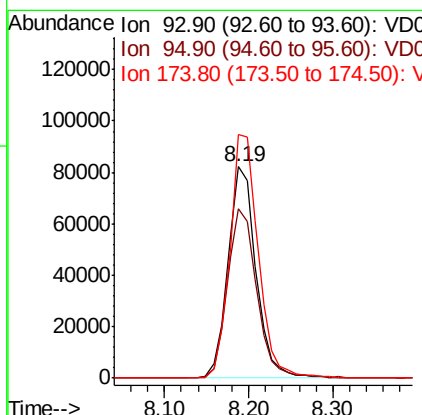
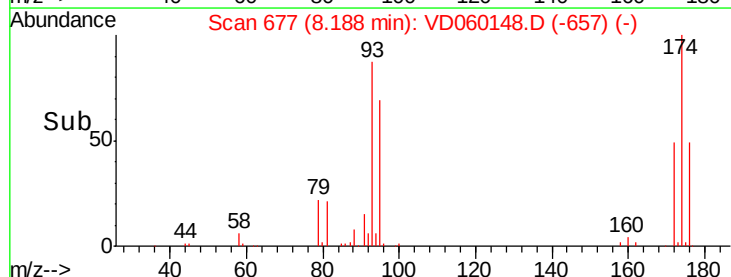
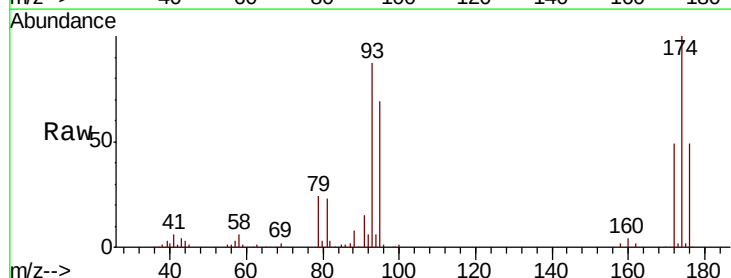
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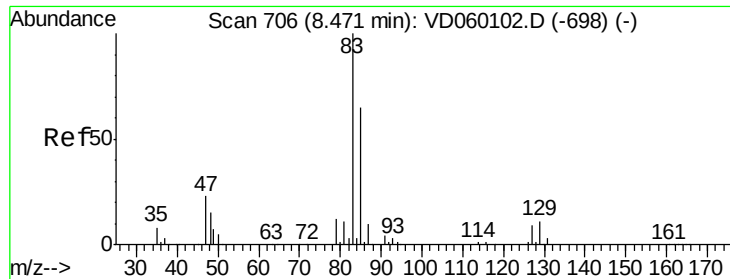
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#46
 Dibromomethane
 Concen: 21.465 ug/l
 RT: 8.19 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 93 Resp: 189742
 Ion Ratio Lower Upper
 93 100
 95 80.0 63.8 95.6
 174 115.4 92.9 139.3





#47

Bromodichloromethane

Concen: 22.191 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tot Ion: 83 Resp: 417968

Ion Ratio Lower Upper

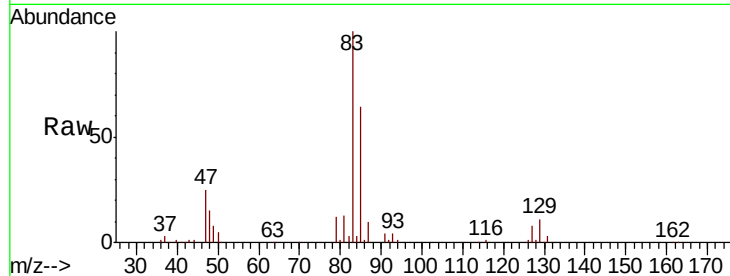
83 100

85 64.4 52.2 78.2

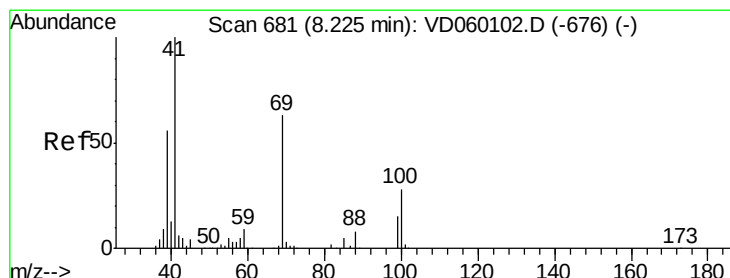
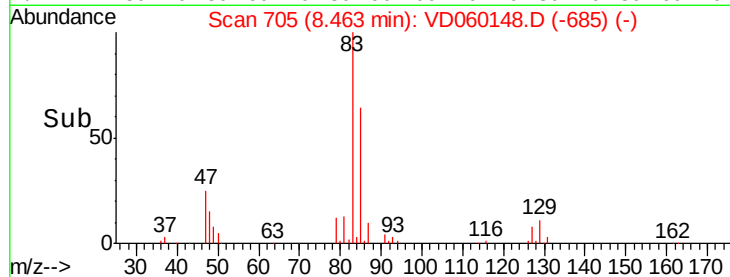
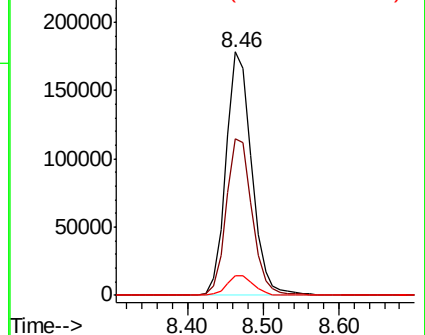
127 8.0 7.4 11.0

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.217 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

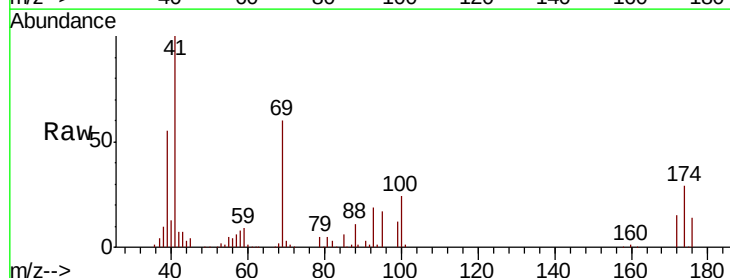
Tgt Ion: 41 Resp: 220272

Ion Ratio Lower Upper

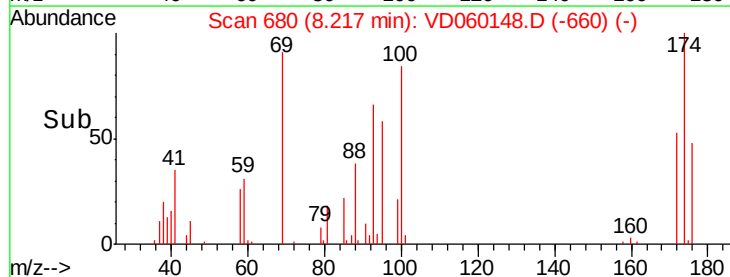
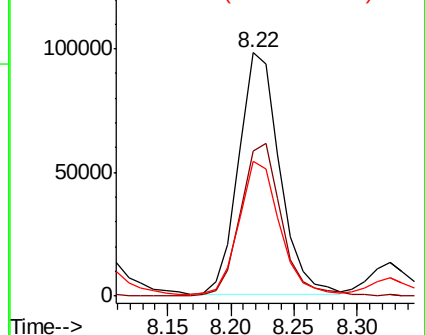
41 100

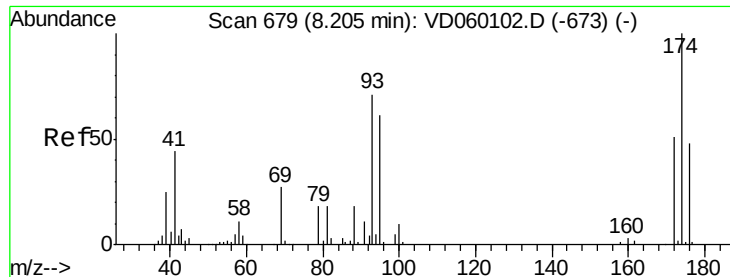
69 59.5 49.7 74.5

39 55.3 45.2 67.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





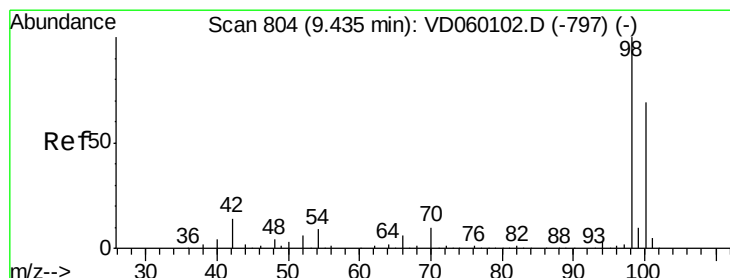
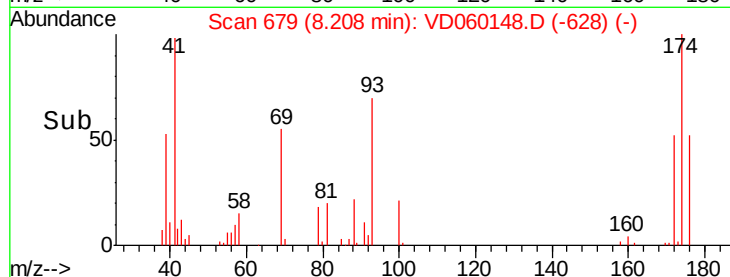
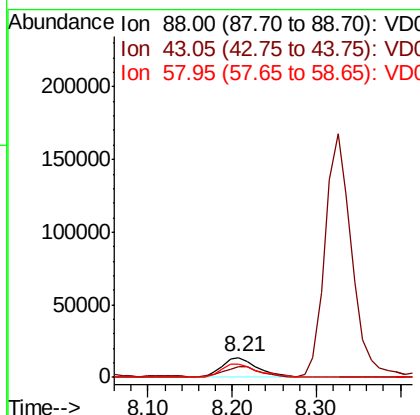
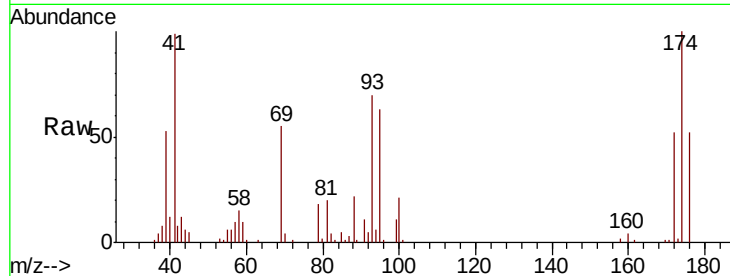
#49
1,4-Dioxane
Concen: 418.203 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 88 Resp: 40796
Ion Ratio Lower Upper
88 100
43 55.2 33.7 50.5#
58 66.7 49.1 73.7

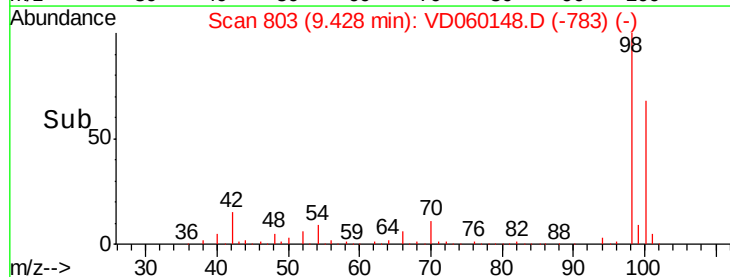
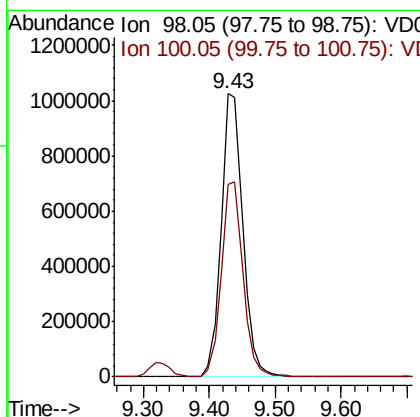
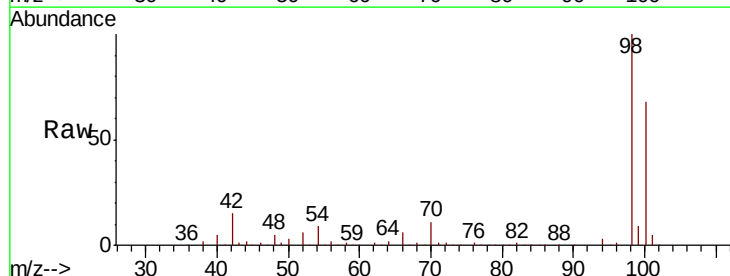
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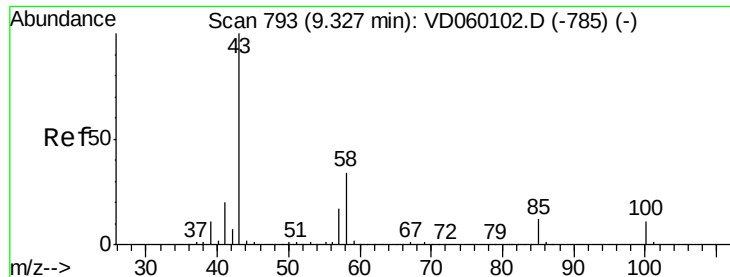
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#50
Toluene-d8
Concen: 418.203 ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 98 Resp: 2365809
Ion Ratio Lower Upper
98 100
100 68.0 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 110.153 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 43 Resp: 1209283

Ion Ratio Lower Upper

43 100

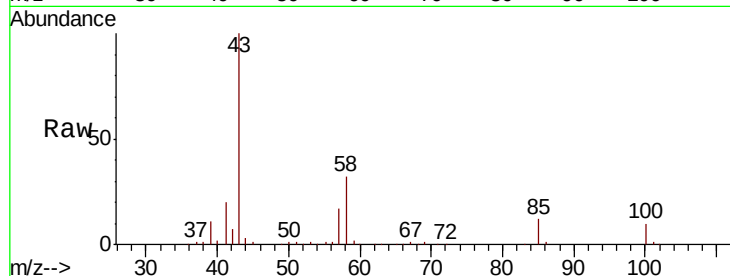
58 32.1 27.2 40.8

Manual Integrations

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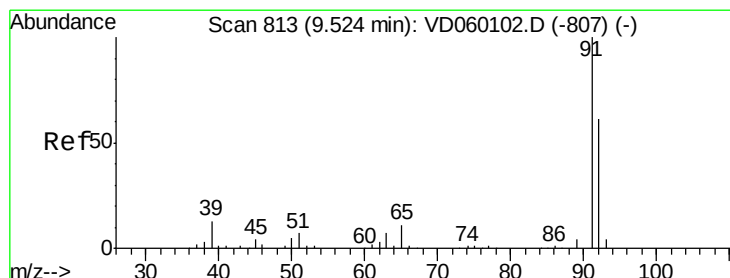
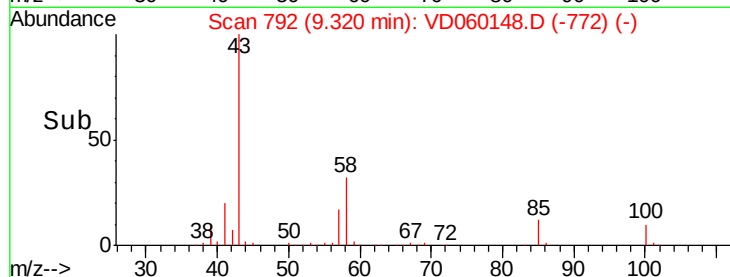
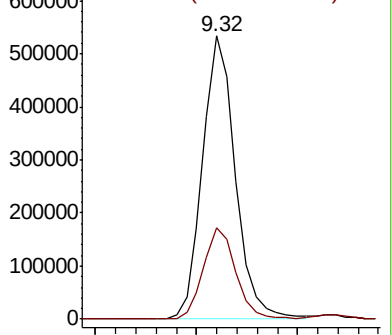
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.773 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD060148.D

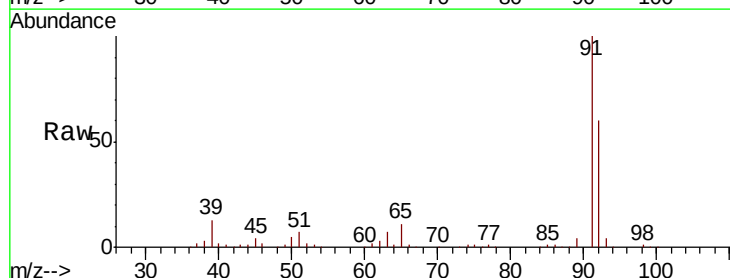
Acq: 9 Oct 2018 12:40

Tgt Ion: 92 Resp: 731193

Ion Ratio Lower Upper

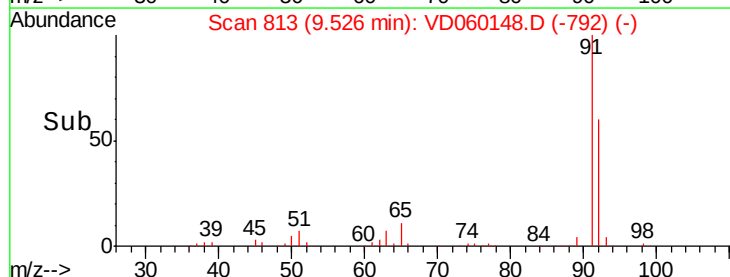
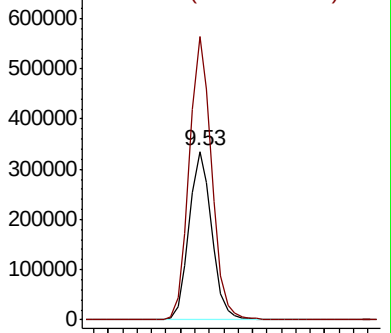
92 100

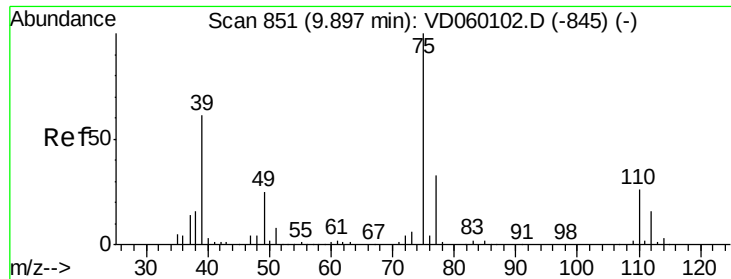
91 168.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.807 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tot Ion: 75 Resp: 371648

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

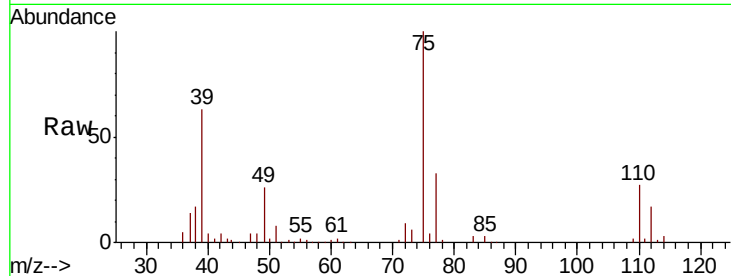
VD1009SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

200000

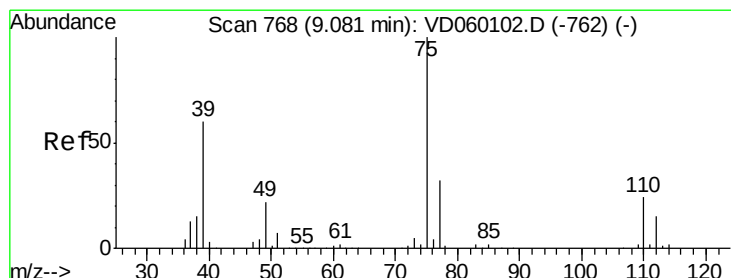
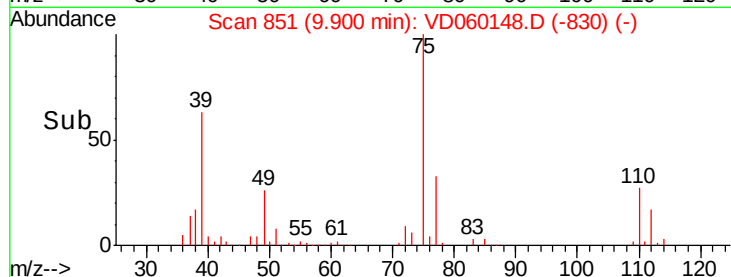
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.057 ug/l

RT: 9.08 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

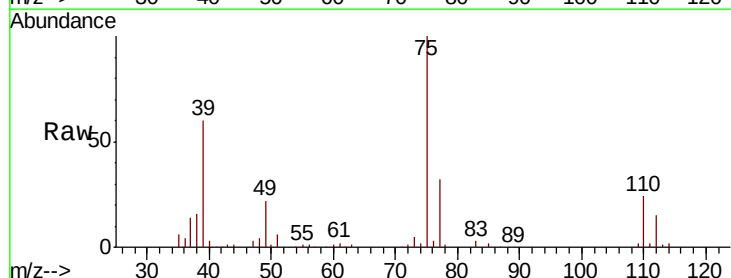
Tgt Ion: 75 Resp: 464194

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 60.0 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.08

250000

200000

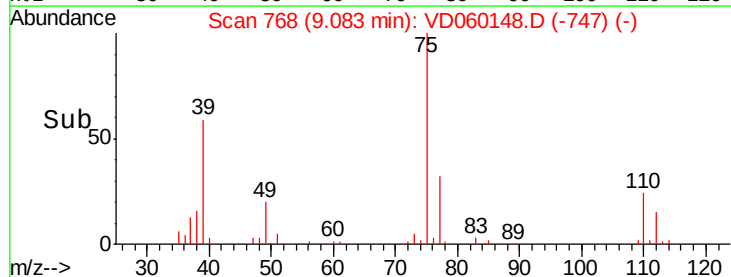
150000

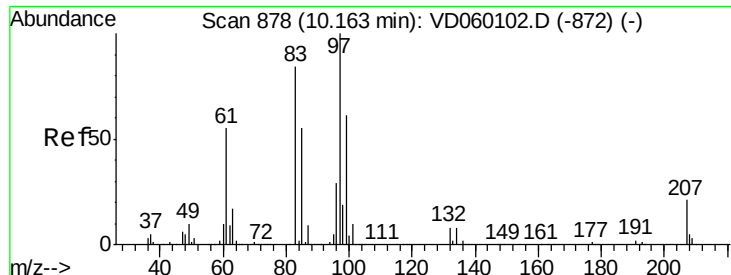
100000

50000

0

Time-->





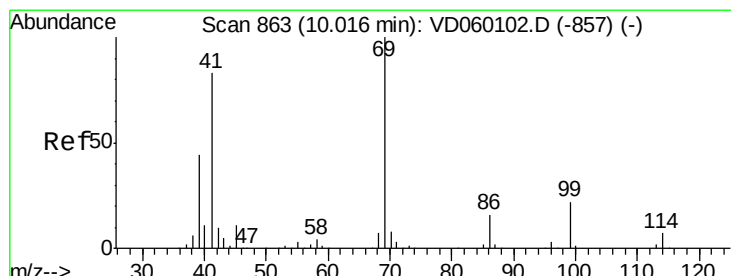
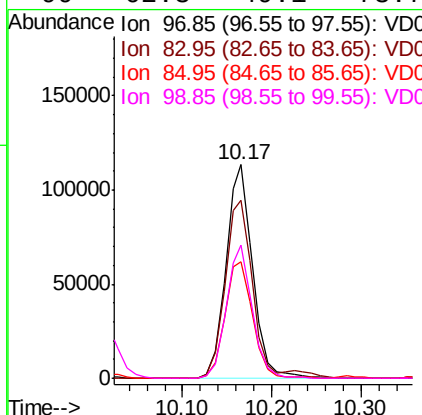
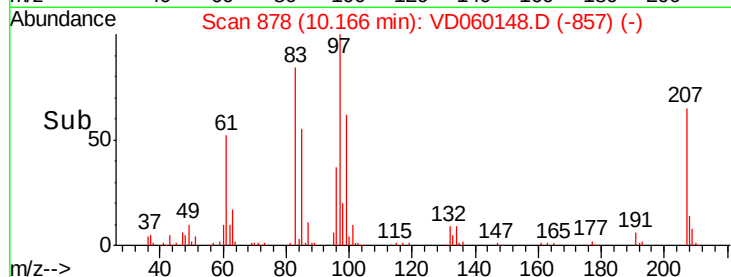
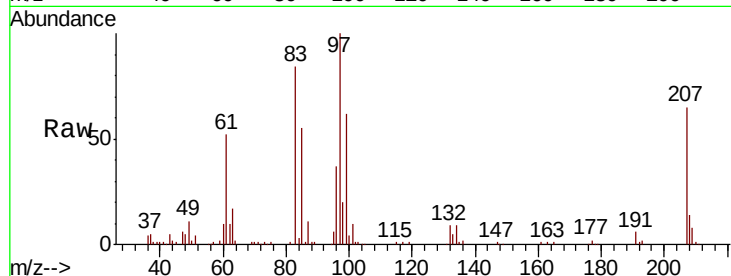
#55
 1,1,2-Trichloroethane
 Concen: 21.643 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		237614		
83	83.6	67.0	100.6		
85	54.8	43.9	65.9		
99	62.3	49.1	73.7		

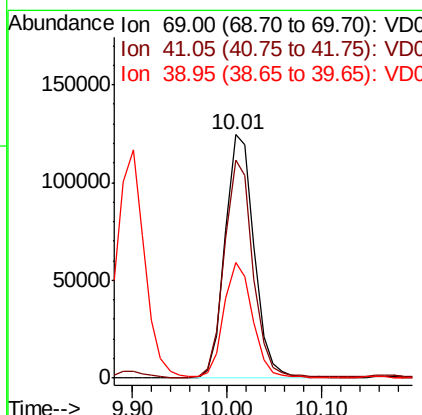
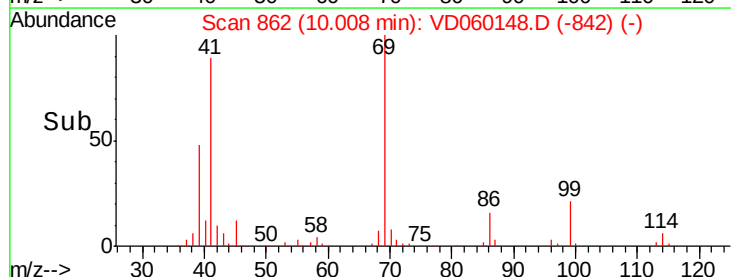
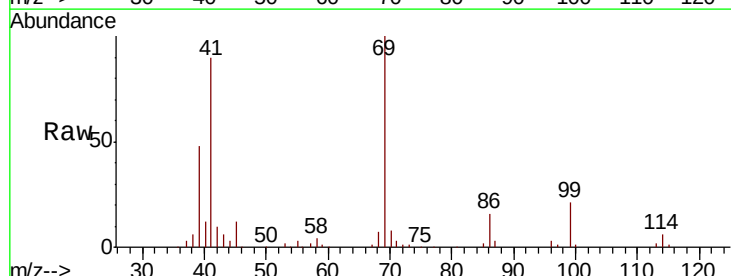
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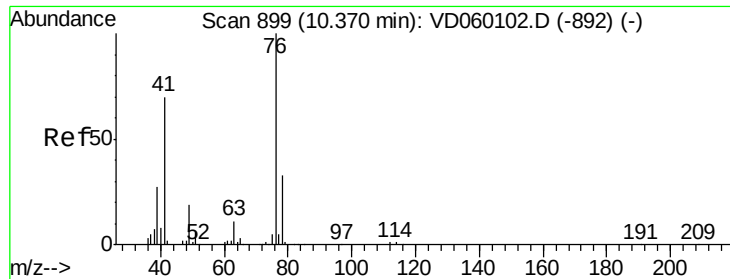
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#56
 Ethyl methacrylate
 Concen: 21.850 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		264808		
41	89.6	66.6	100.0		
39	47.5	36.0	54.0		





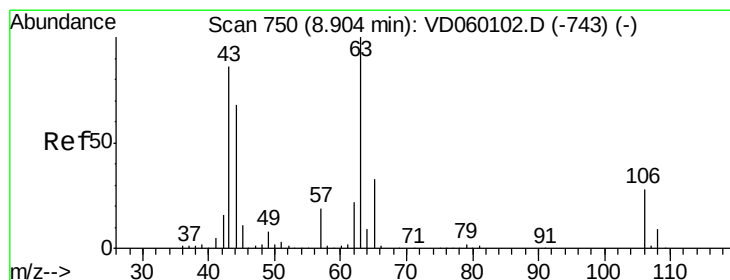
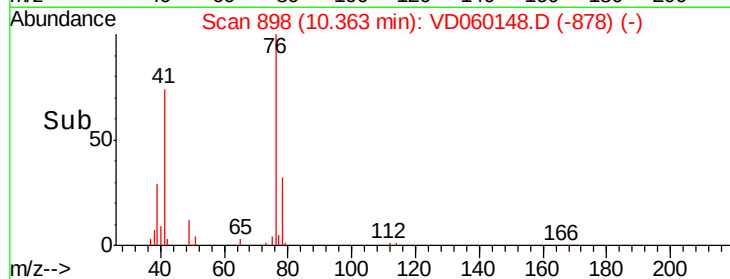
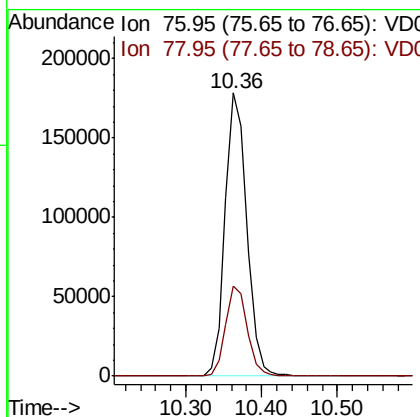
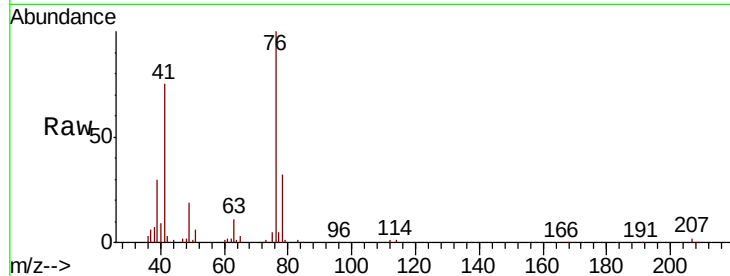
#57
 1,3-Dichloropropane
 Concen: 21.139 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

Tot Ion: 76 Resp: 353952
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

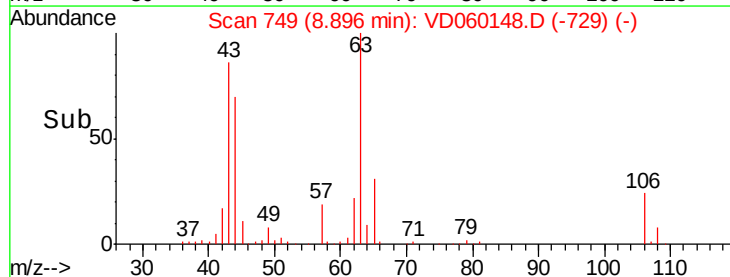
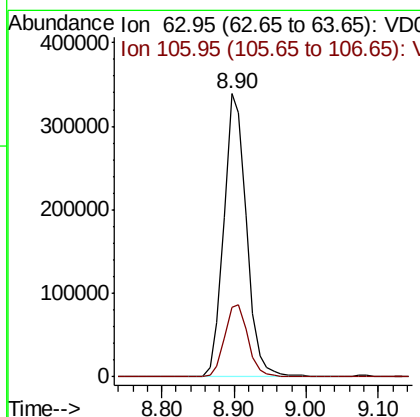
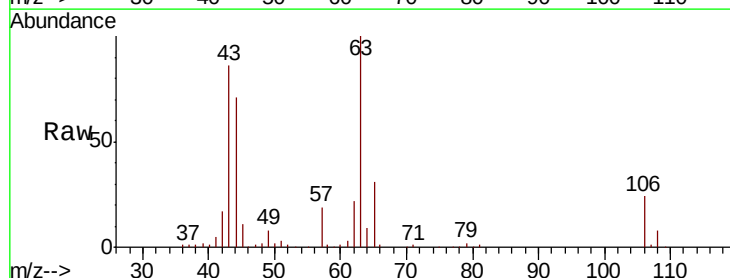
Manual Integrations
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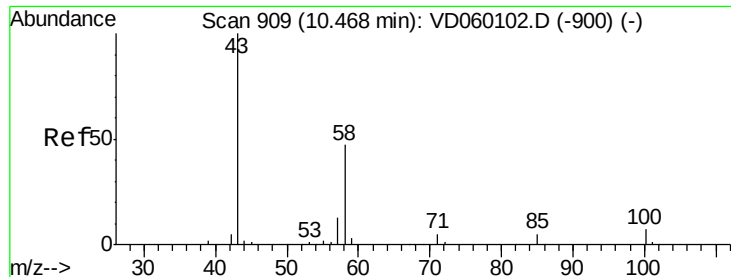
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.677 ug/l
 RT: 8.90 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 63 Resp: 738110
 Ion Ratio Lower Upper
 63 100
 106 24.4 22.6 34.0





#59

2-Hexanone

Concen: 117.582 ug/l

RT: 10.47 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tot Ion: 43 Resp: 928218

Ion Ratio Lower Upper

43 100

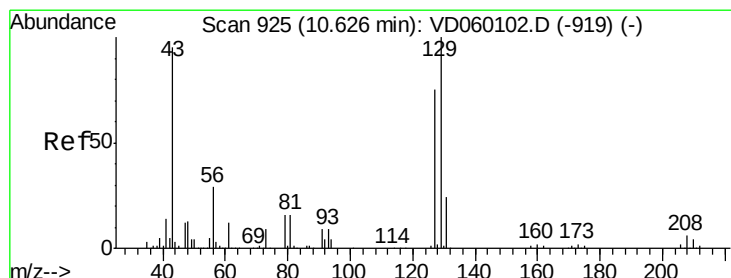
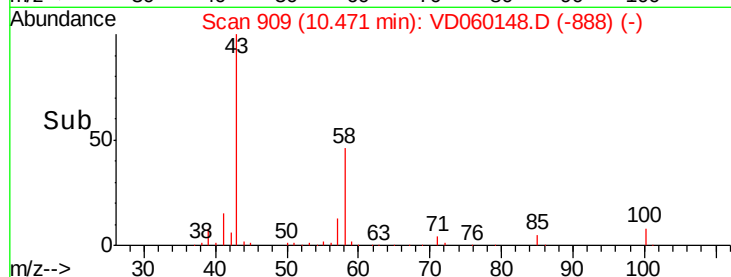
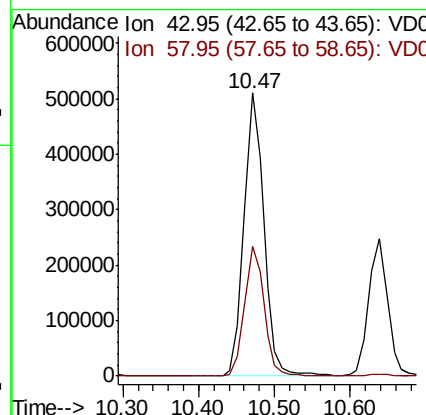
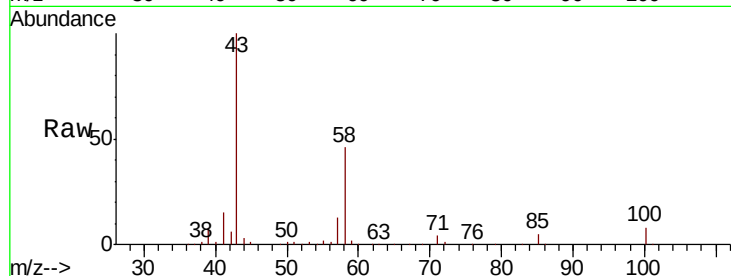
58 46.0 23.3 69.9

Manual Integrations

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#60

Dibromochloromethane

Concen: 22.254 ug/l

RT: 10.63 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD060148.D

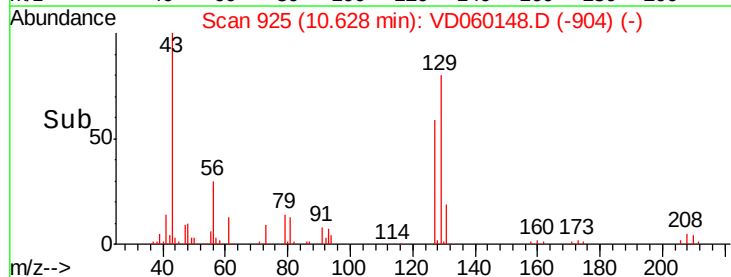
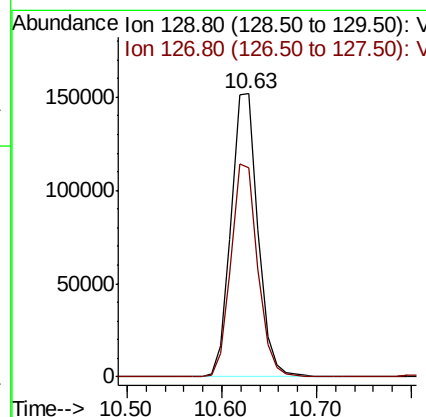
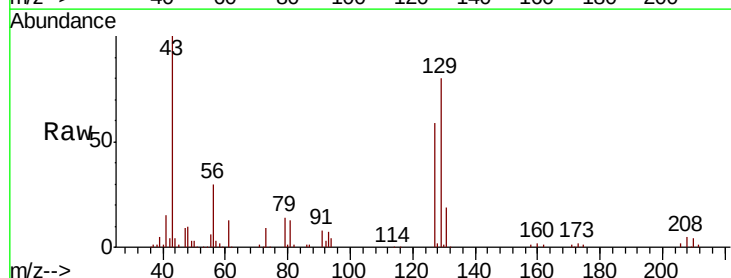
Acq: 9 Oct 2018 12:40

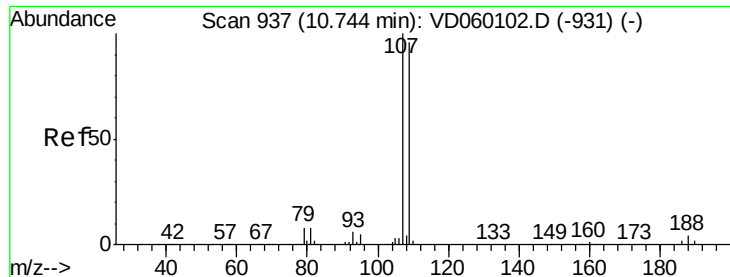
Tgt Ion: 129 Resp: 299773

Ion Ratio Lower Upper

129 100

127 73.9 37.4 112.2





#61

1,2-Dibromoethane

Concen: 22.024 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 107 Resp: 256913

Ion Ratio Lower Upper

107 100

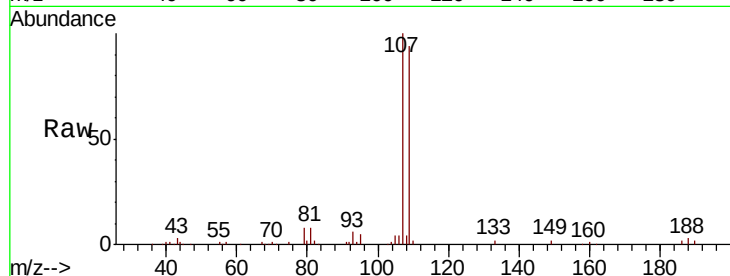
109 94.0 77.1 115.7

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

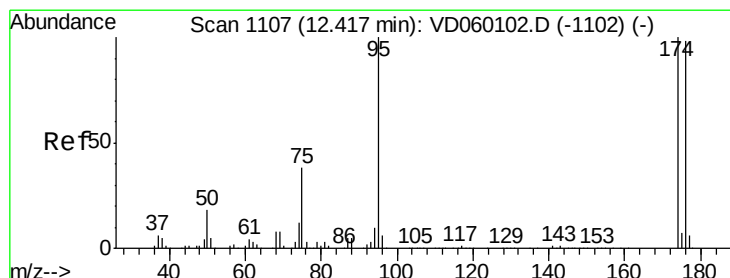
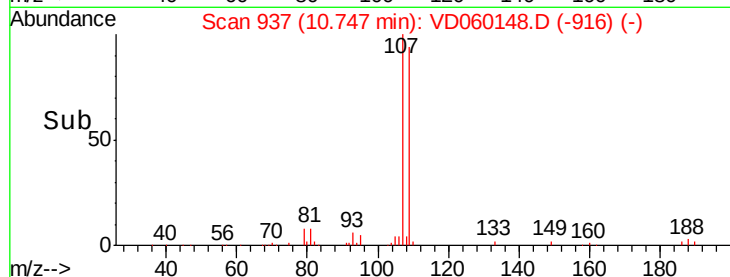
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 22.024 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

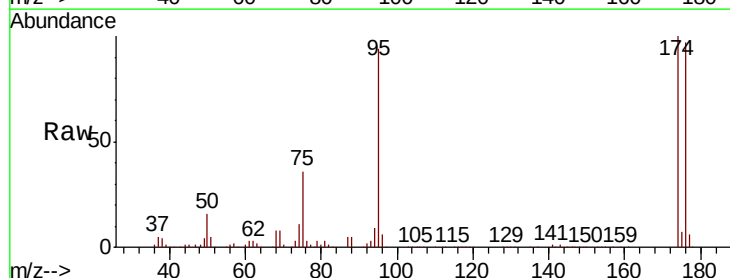
Tgt Ion: 95 Resp: 894412

Ion Ratio Lower Upper

95 100

174 106.4 0.0 200.2

176 103.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

800000

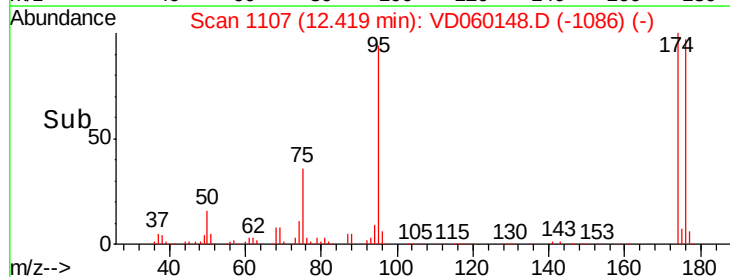
600000

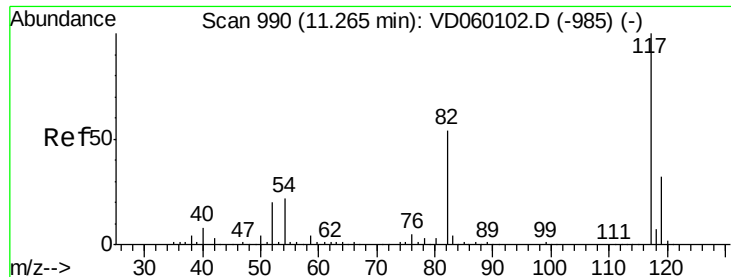
400000

200000

0

Time-->





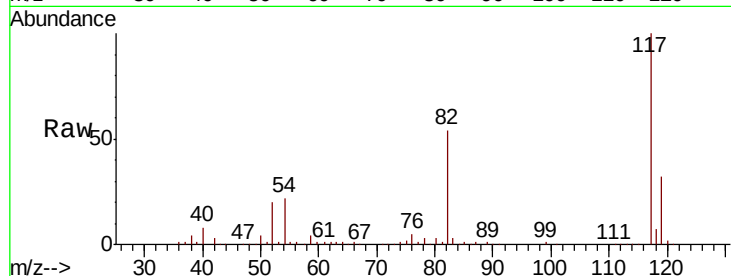
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

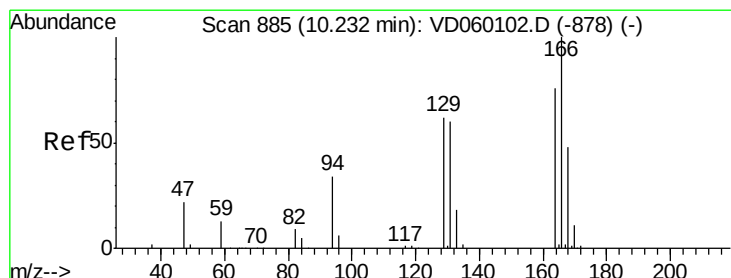
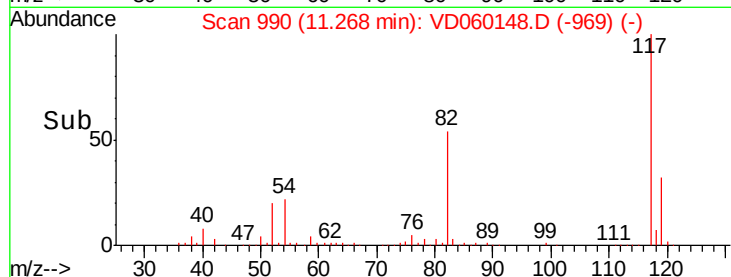
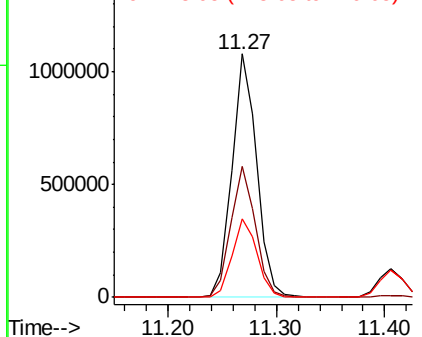
Tot Ion:117 Resp: 1718171
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.2
119 32.5 26.0 39.0

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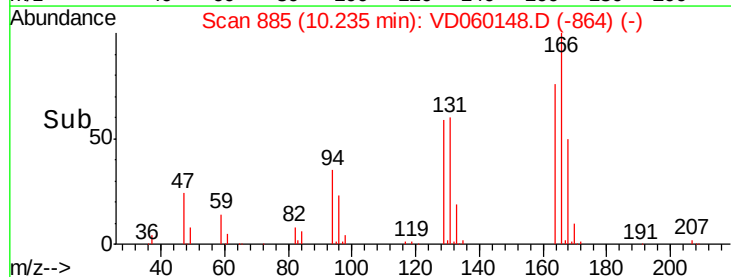
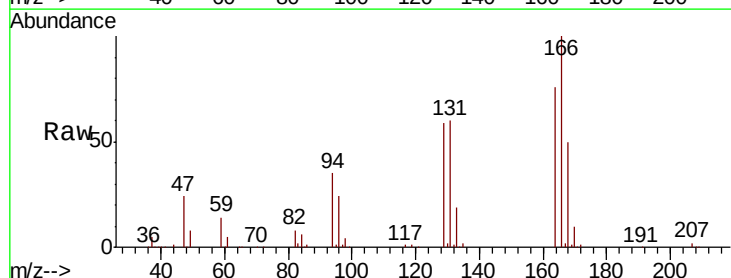
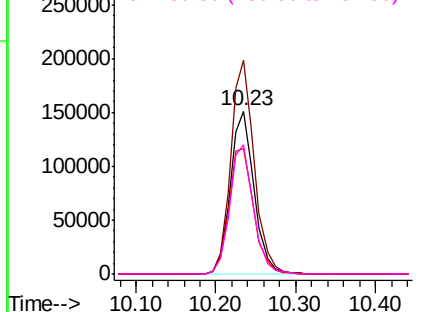
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

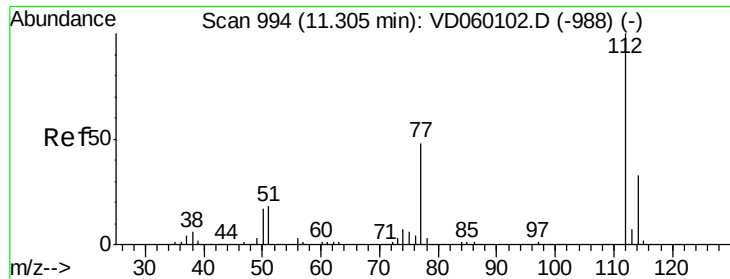


#64
Tetrachloroethene
Concen: 20.922 ug/l
RT: 10.23 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion:164 Resp: 314843
Ion Ratio Lower Upper
164 100
166 131.4 105.4 158.0
129 77.0 65.7 98.5
131 79.4 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.814 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tot Ion:112 Resp: 810825

Ion Ratio Lower Upper

112 100

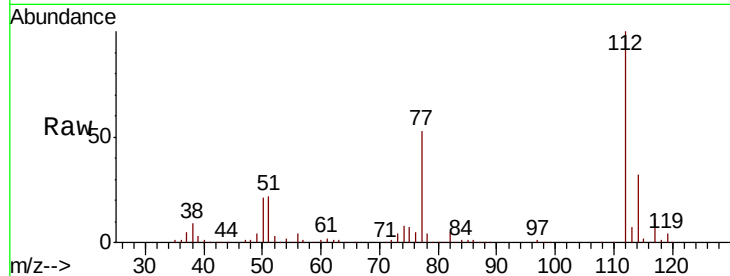
114 32.1 26.0 39.0

Manual Integrations

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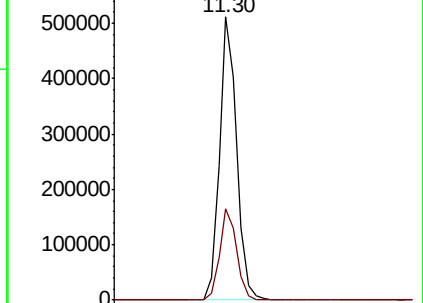
apatel

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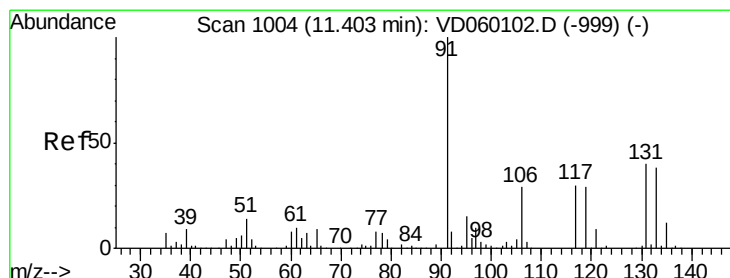
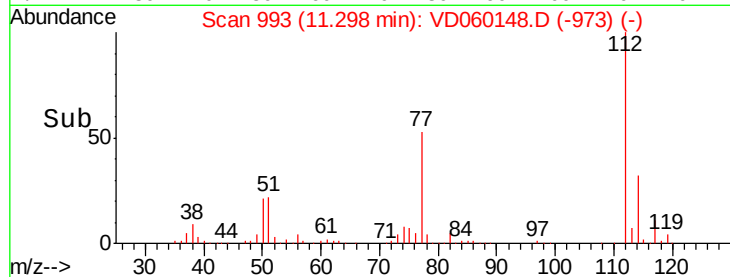


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.684 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

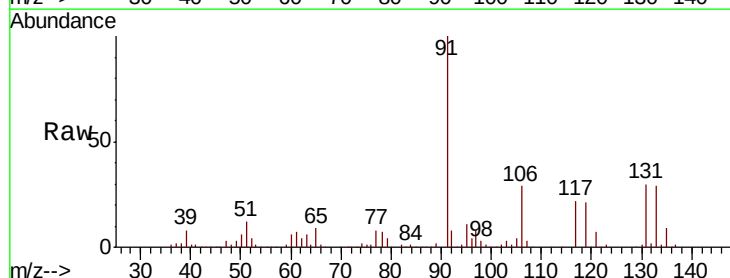
Tgt Ion:131 Resp: 281288

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

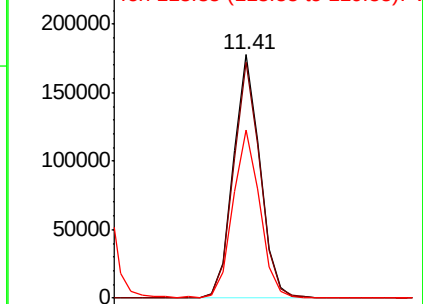
119 69.1 36.1 108.3



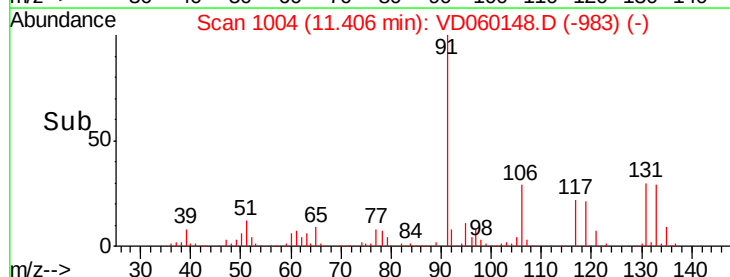
Abundance Ion 130.90 (130.60 to 131.60): V

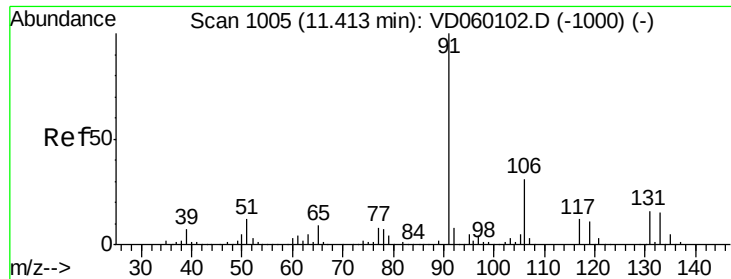
Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->





#67

Ethyl Benzene

Concen: 23.128 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 91 Resp: 1392866

Ion Ratio Lower Upper

91 100

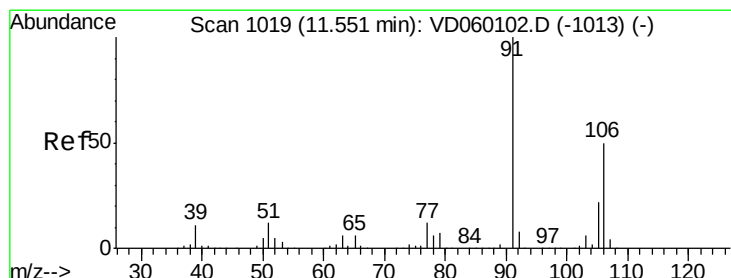
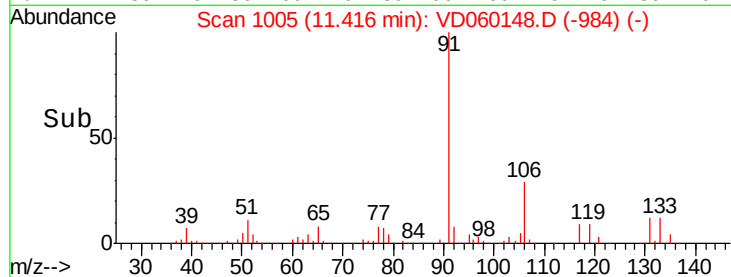
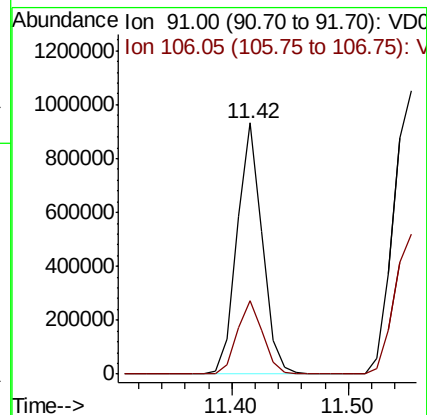
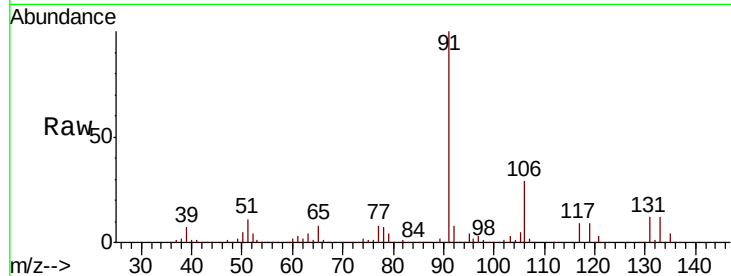
106 29.4 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.944 ug/l

RT: 11.55 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD060148.D

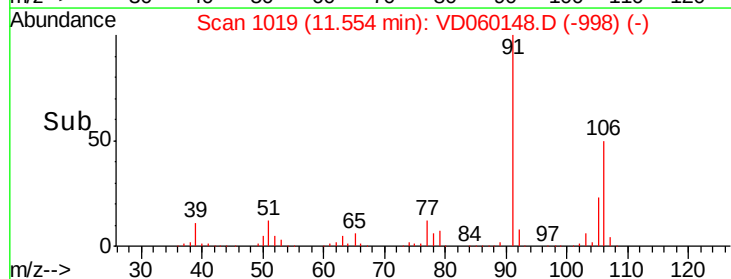
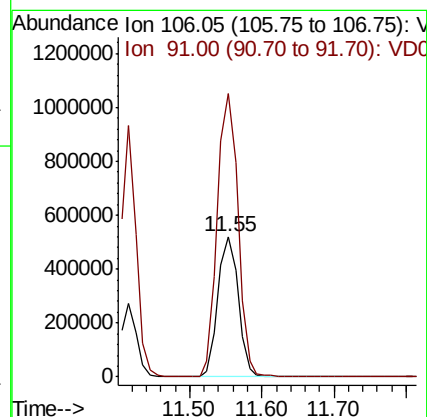
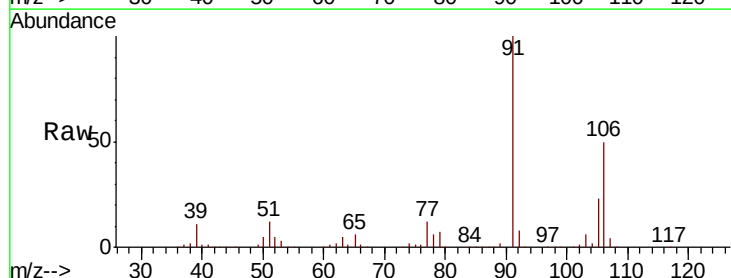
Acq: 9 Oct 2018 12:40

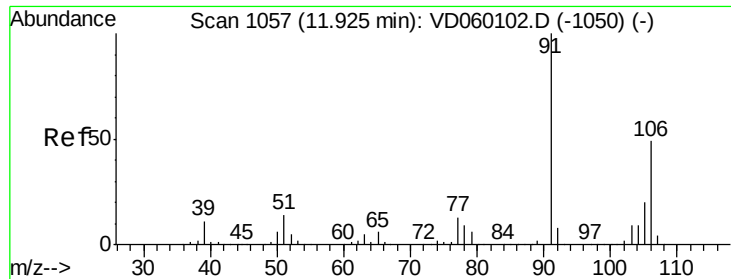
Tgt Ion: 106 Resp: 1011307

Ion Ratio Lower Upper

106 100

91 201.7 160.0 240.0





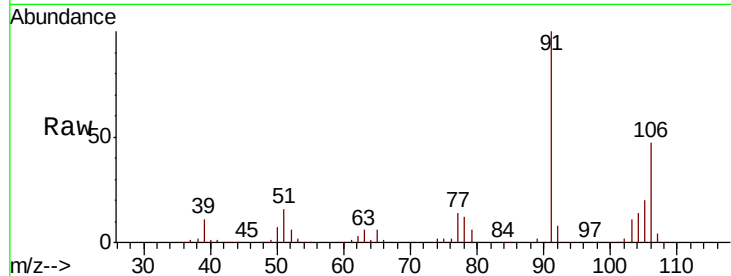
#69
o-Xylene
Concen: 22.311 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

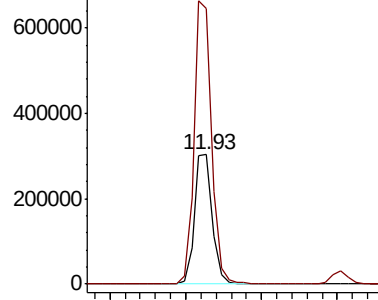
Tot Ion:106 Resp: 496569
Ion Ratio Lower Upper
106 100
91 212.6 102.5 307.5

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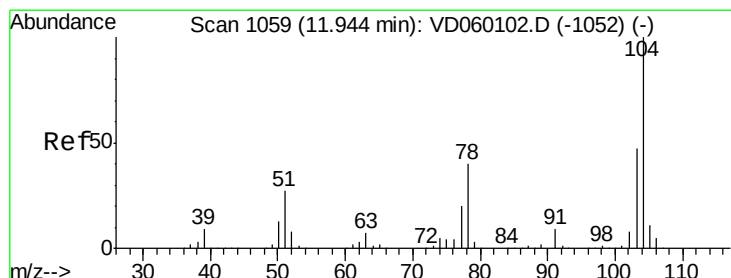
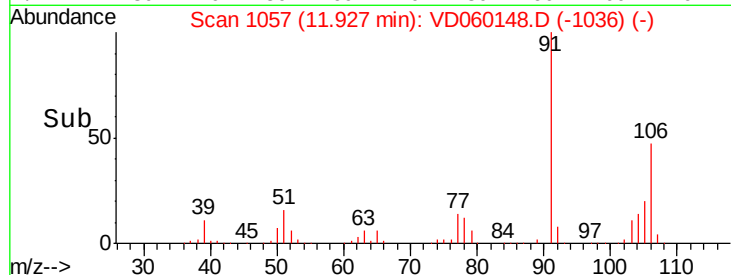
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

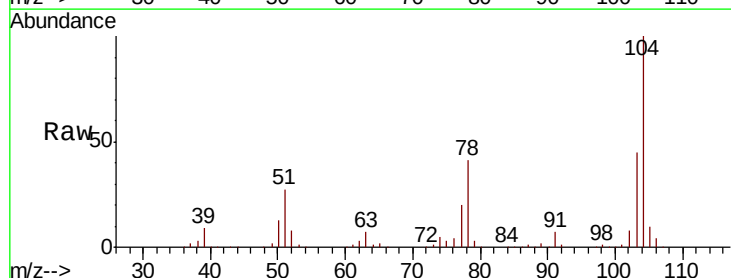


Time--> 11.80 11.90 12.00 12.10

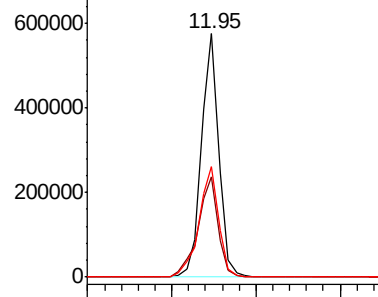


#70
Styrene
Concen: 22.031 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

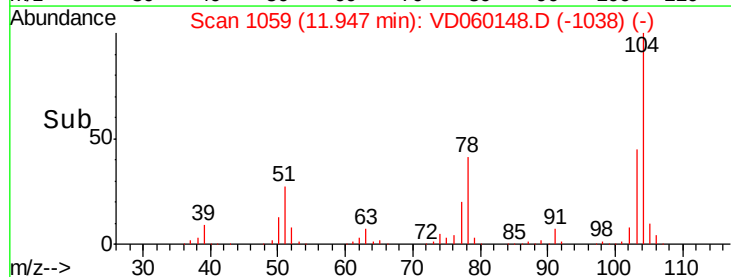
Tgt Ion:104 Resp: 819994
Ion Ratio Lower Upper
104 100
78 41.4 32.2 48.4
103 45.4 37.4 56.0

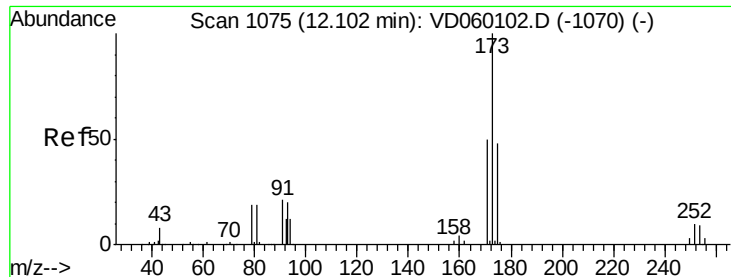


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.80 11.90 12.00 12.10





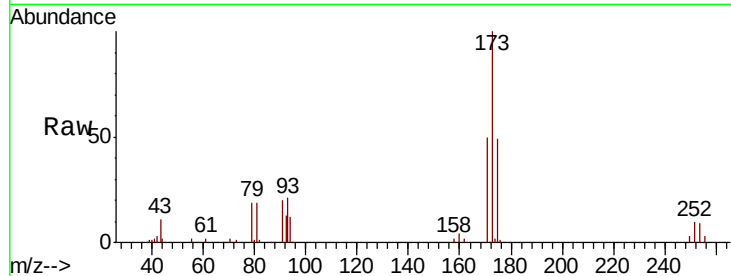
#71
Bromoform
Concen: 21.368 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	9.2	7.4	11.0

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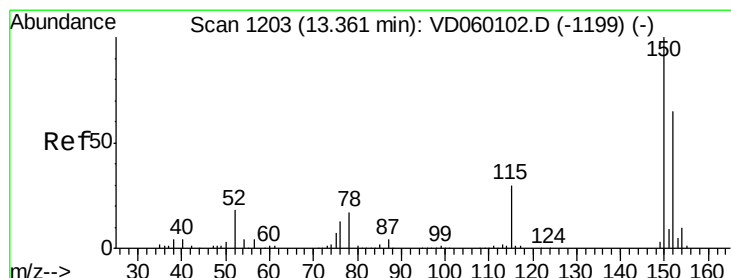
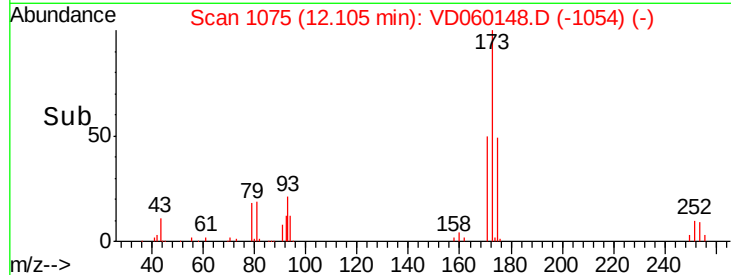
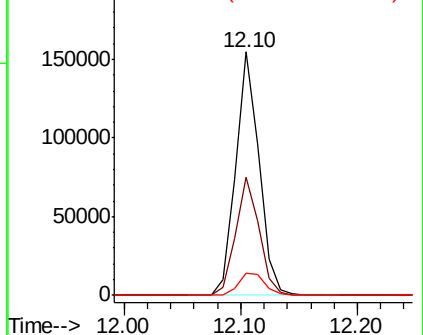


Abundance

Ion 172.80 (172.50 to 173.50): V

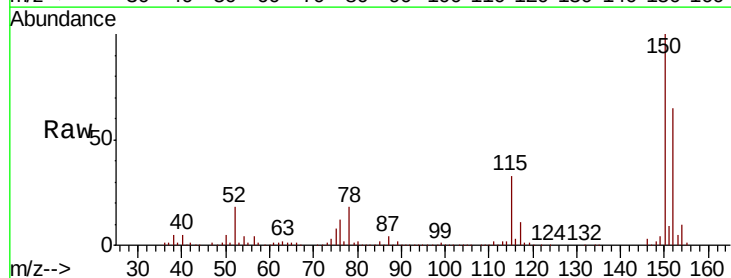
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	27.1	81.2
150	154.1	0.0	311.8

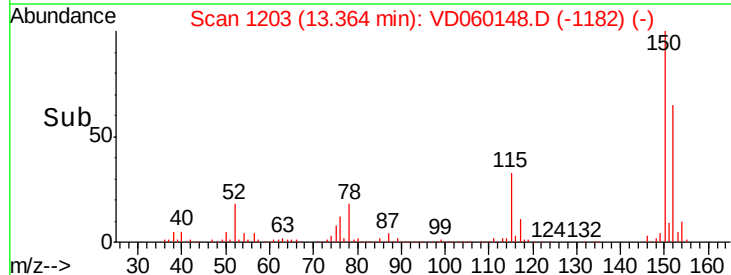
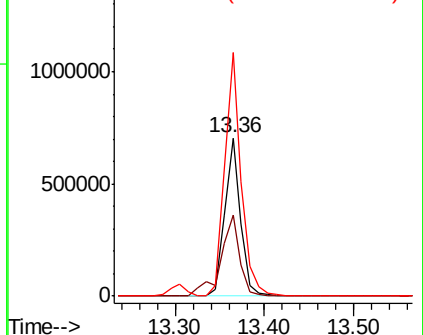


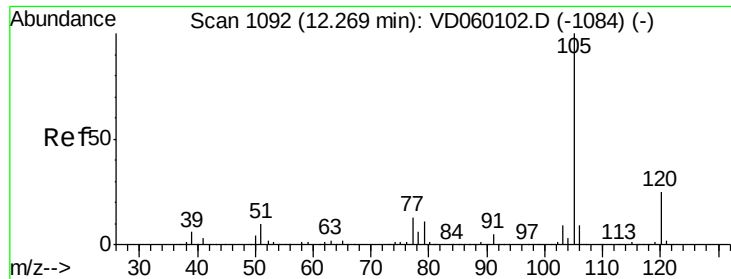
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.872 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion:105 Resp: 1337963

Ion Ratio Lower Upper

105 100

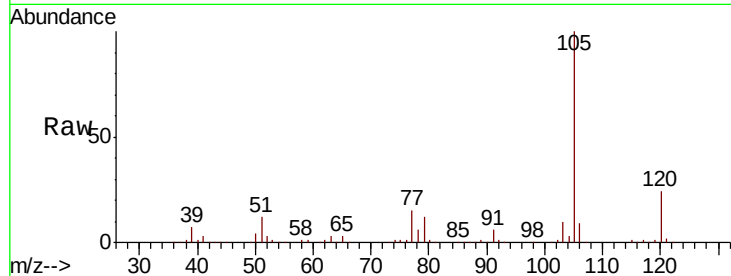
120 23.8 12.6 37.6

Manual Integrations

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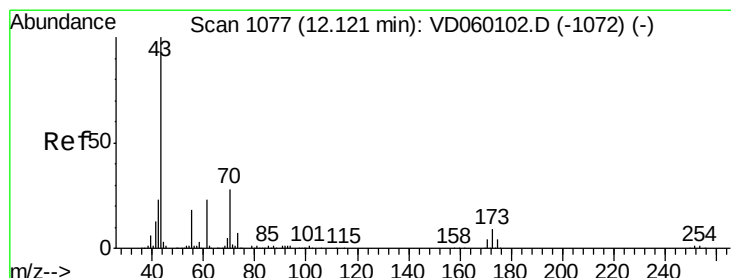
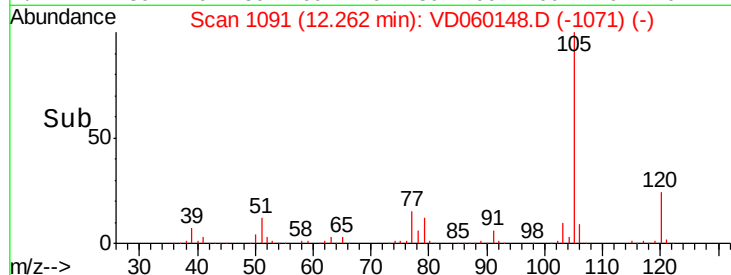
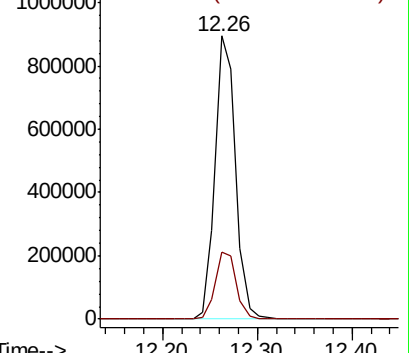
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.810 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion: 43 Resp: 488753

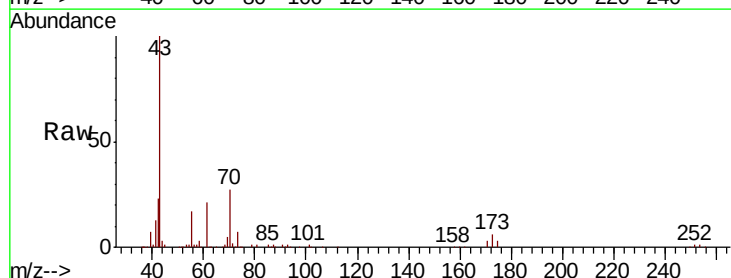
Ion Ratio Lower Upper

43 100

70 27.1 22.1 33.1

55 17.1 14.1 21.1

61 20.8 18.4 27.6

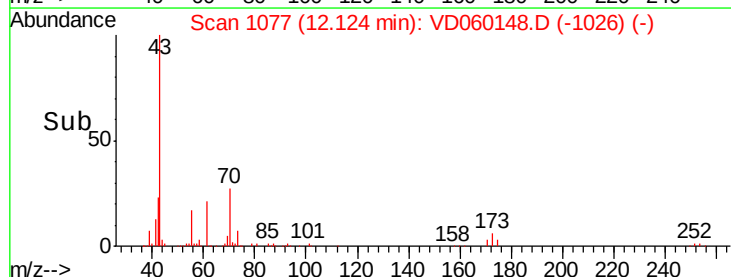
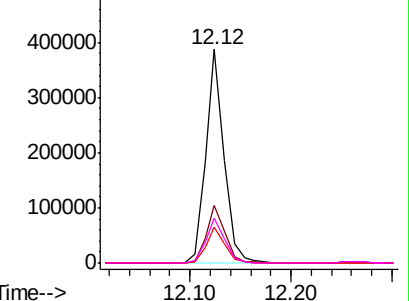


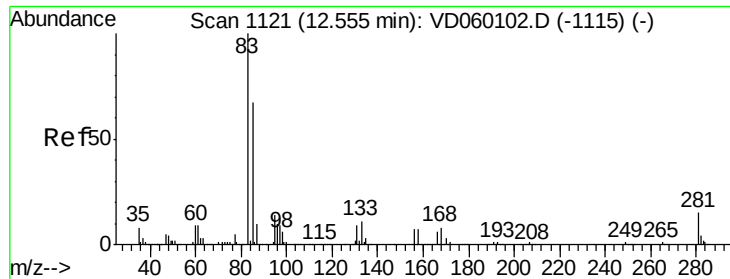
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.440 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 83 Resp: 286576
Ion Ratio Lower Upper

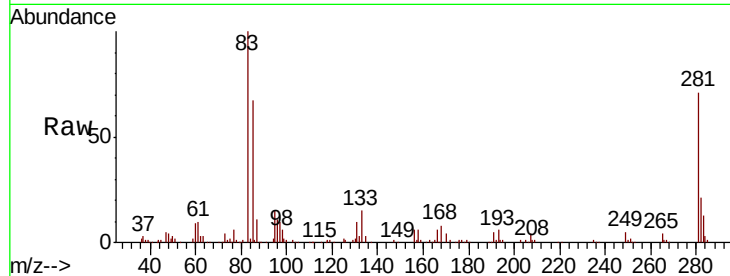
83 100

131 9.7 4.5 13.4

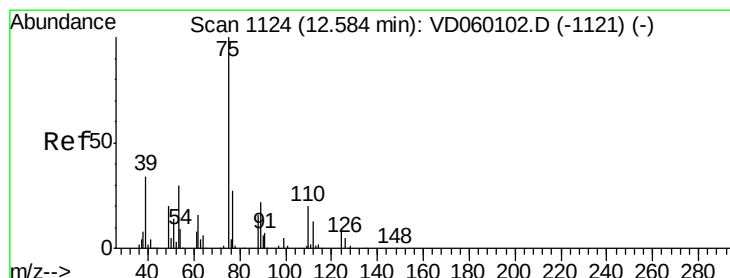
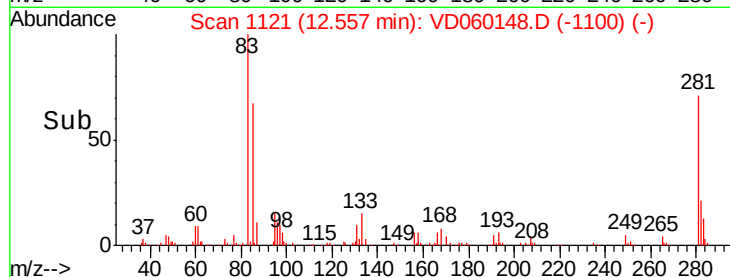
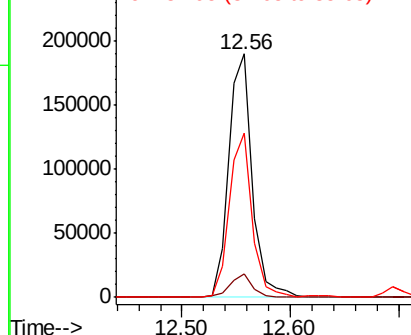
85 67.4 33.3 99.9

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.778 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

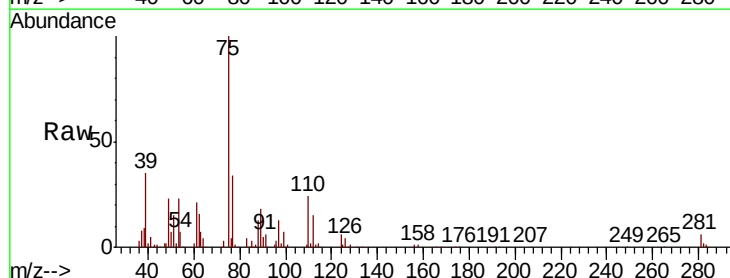
Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

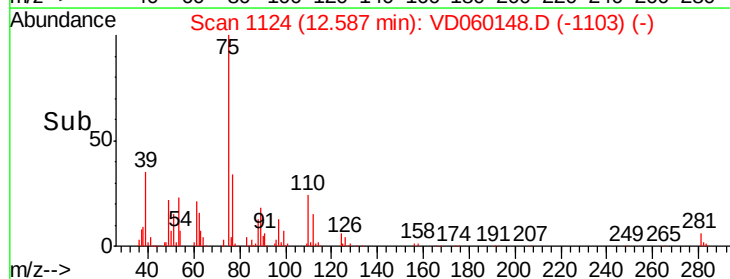
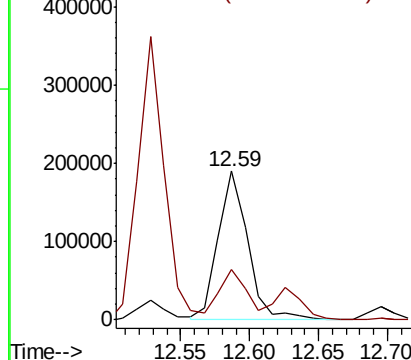
Tgt Ion: 75 Resp: 278106
Ion Ratio Lower Upper

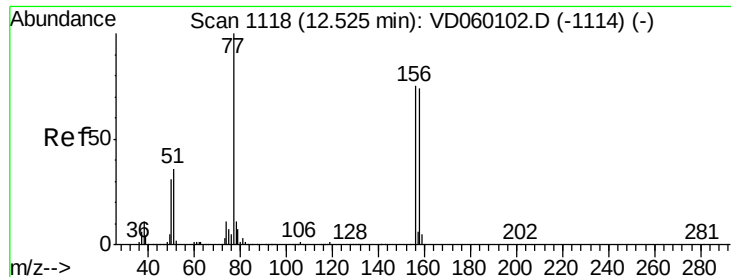
75 100

77 33.7 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.782 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 156 Resp: 387278

Ion Ratio Lower Upper

156 100

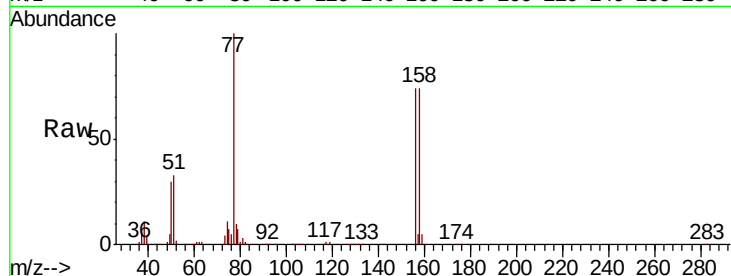
77 134.4 66.9 200.7

158 99.8 49.1 147.4

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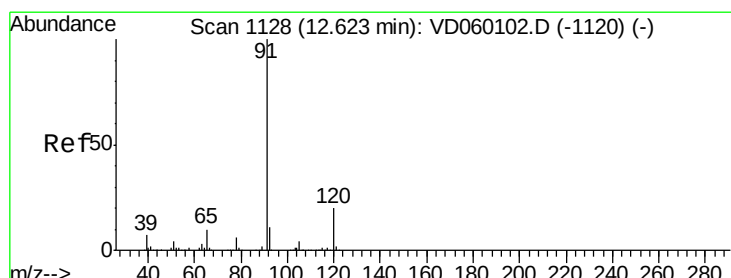
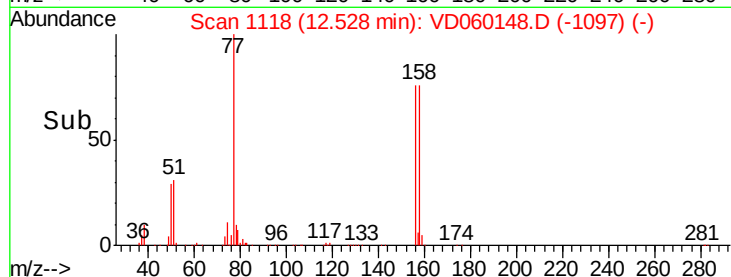
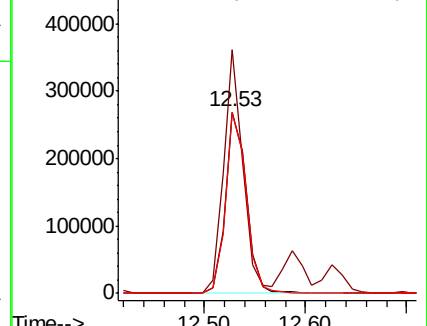
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.269 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD060148.D

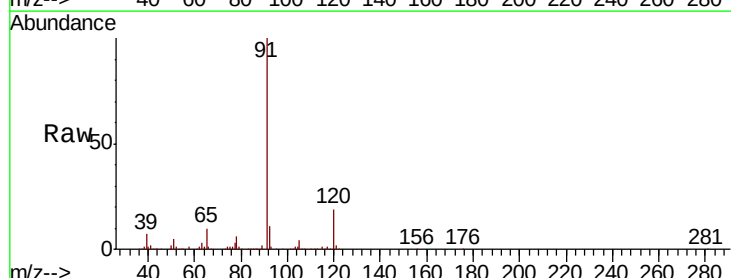
Acq: 9 Oct 2018 12:40

Tgt Ion: 91 Resp: 1690230

Ion Ratio Lower Upper

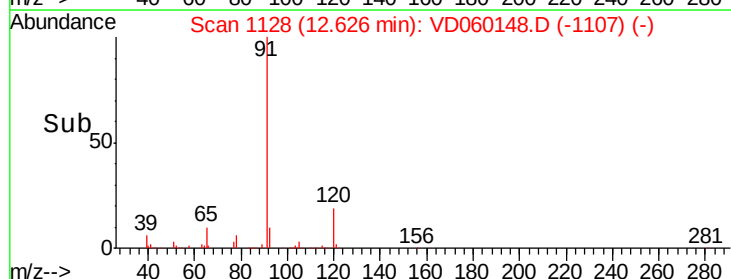
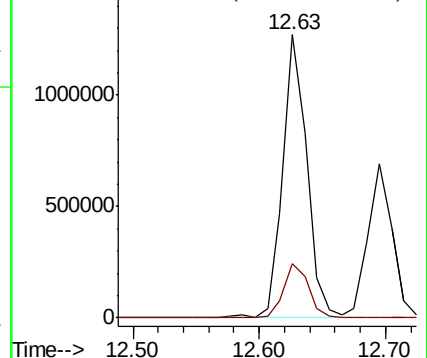
91 100

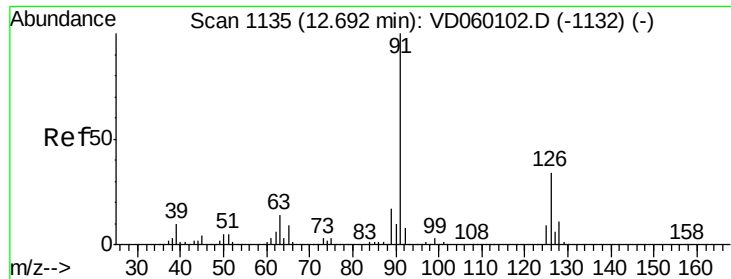
120 19.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





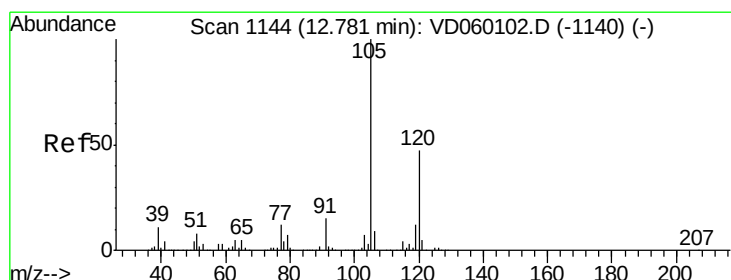
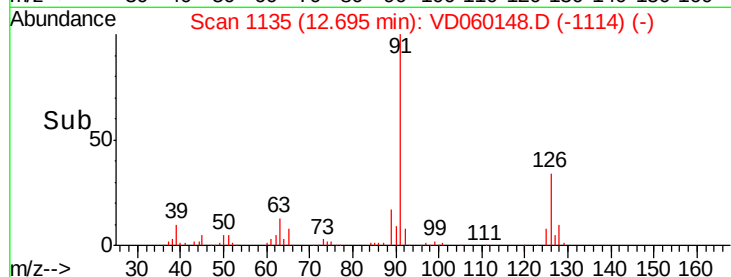
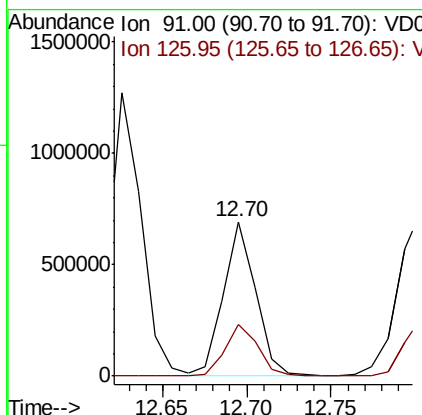
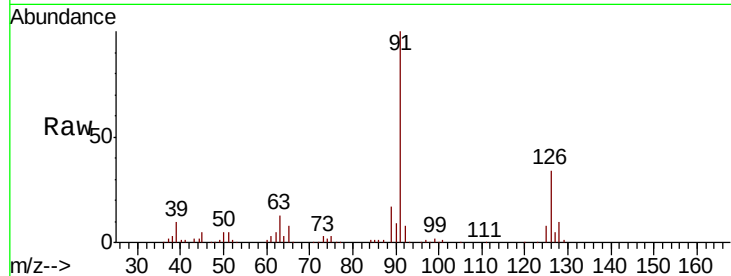
#79
 2-Chlorotoluene
 Concen: 22.822 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion: 91 Resp: 920044
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.8 50.3

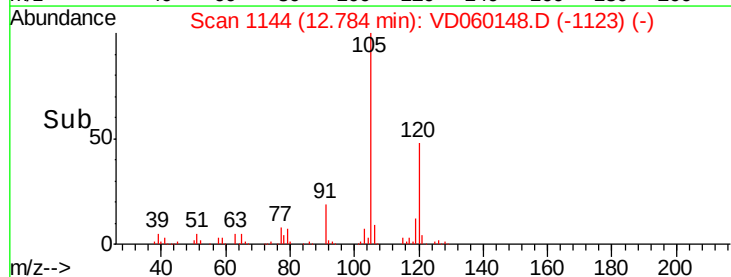
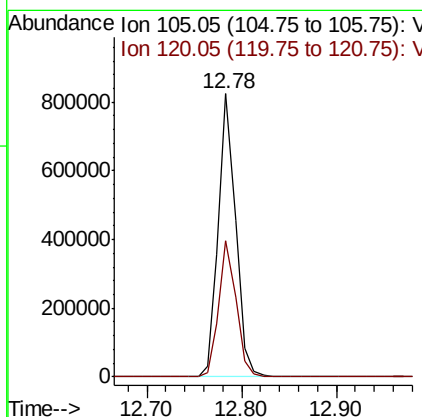
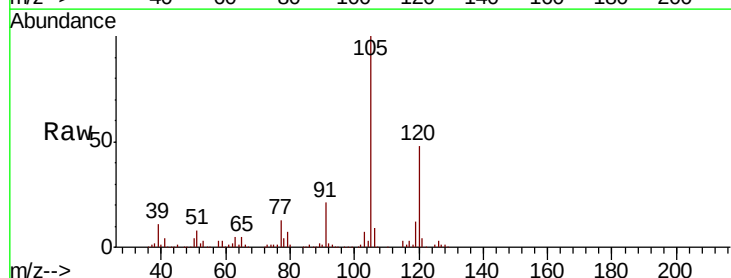
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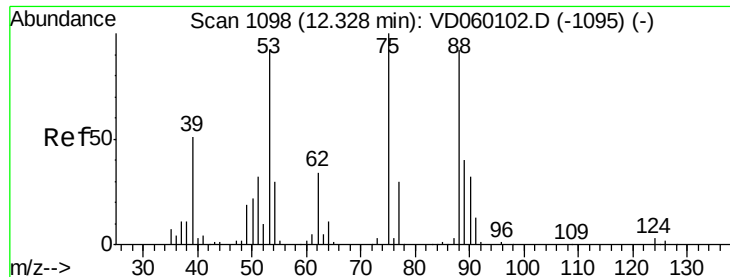
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.227 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 105 Resp: 1051592
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.772 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tot Ion: 75 Resp: 81710

Ion Ratio Lower Upper

75 100

53 91.8 73.0 109.6

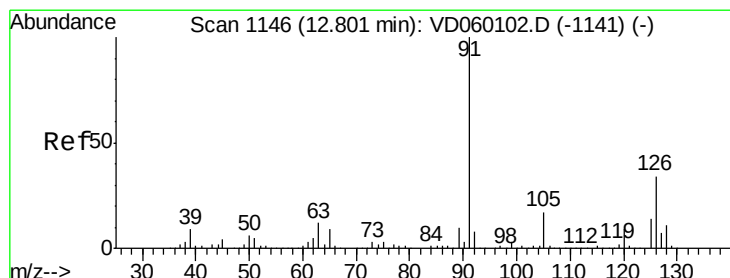
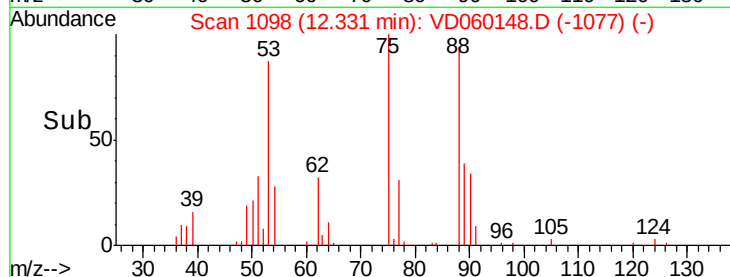
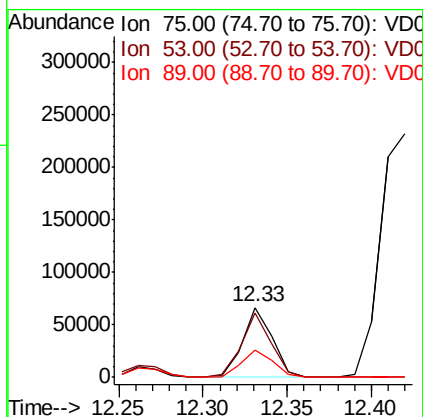
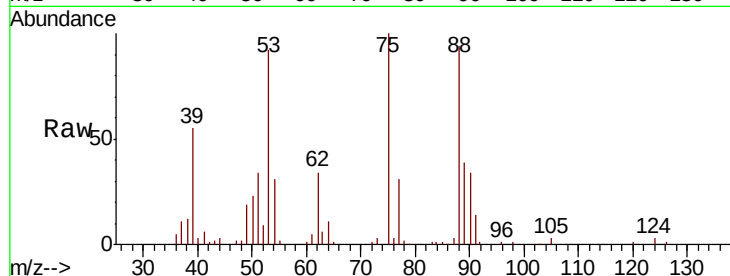
89 38.8 32.0 48.0

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#82

4-Chlorotoluene

Concen: 23.541 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060148.D

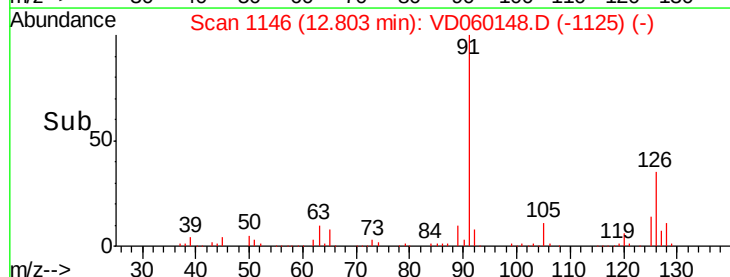
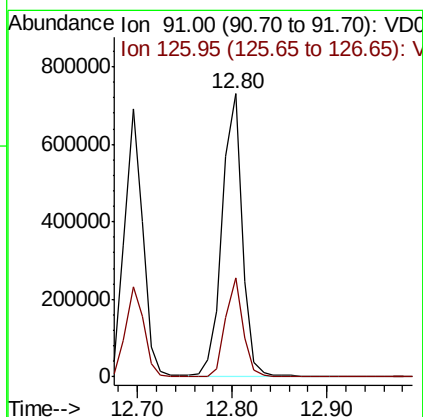
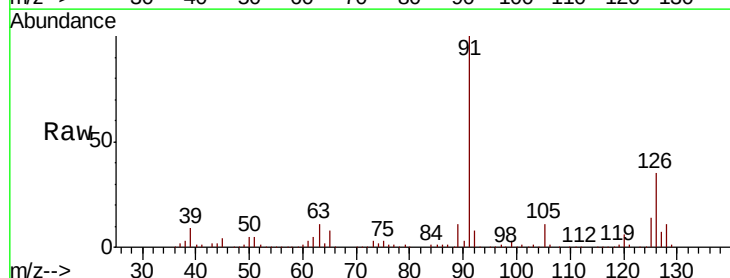
Acq: 9 Oct 2018 12:40

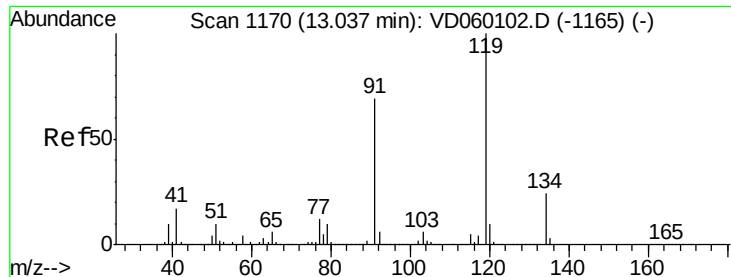
Tgt Ion: 91 Resp: 1073443

Ion Ratio Lower Upper

91 100

126 34.8 17.1 51.2





#83

tert-Butylbenzene

Concen: 23.121 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion:119 Resp: 1201240

Ion Ratio Lower Upper

119 100

91 68.8 34.8 104.4

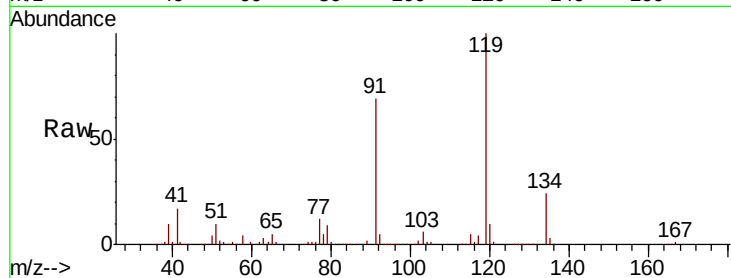
134 23.8 11.8 35.4

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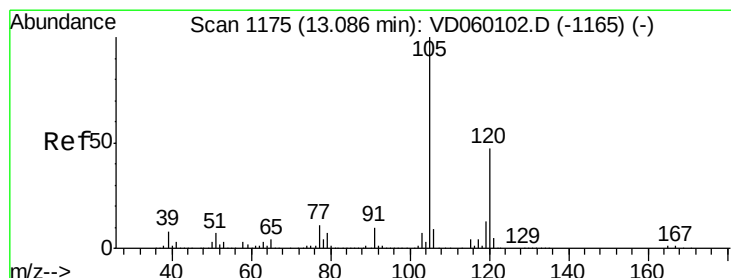
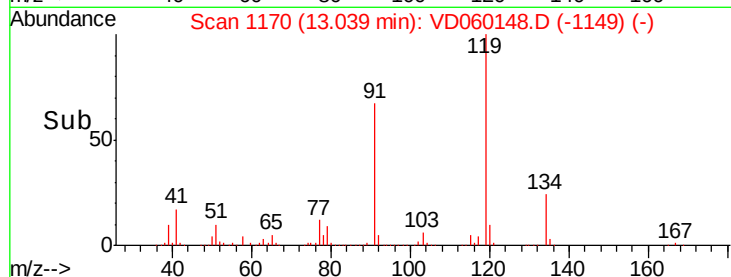
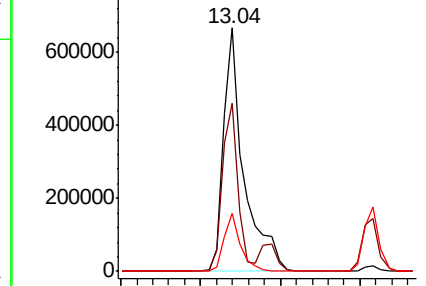
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.788 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VD060148.D

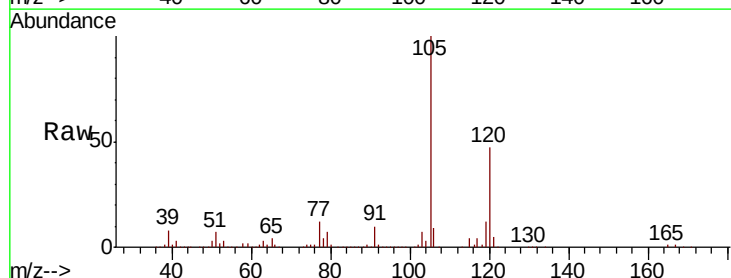
Acq: 9 Oct 2018 12:40

Tgt Ion:105 Resp: 1087389

Ion Ratio Lower Upper

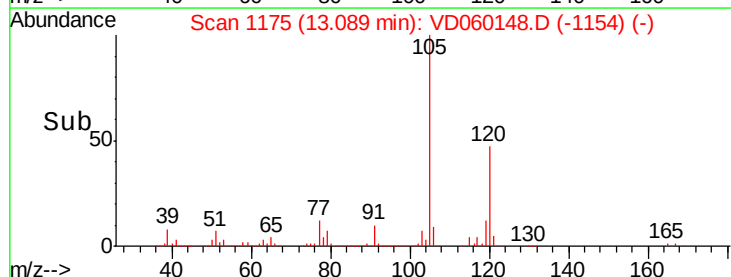
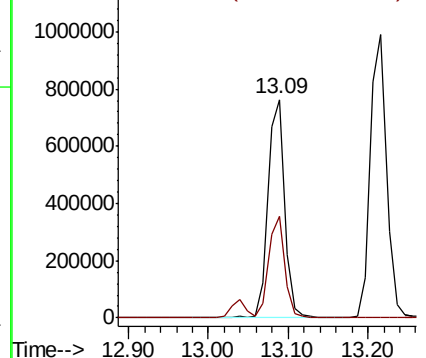
105 100

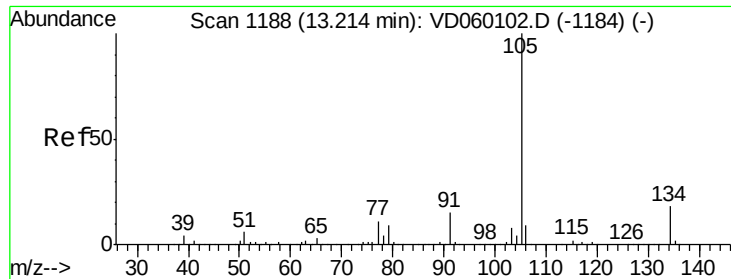
120 46.8 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





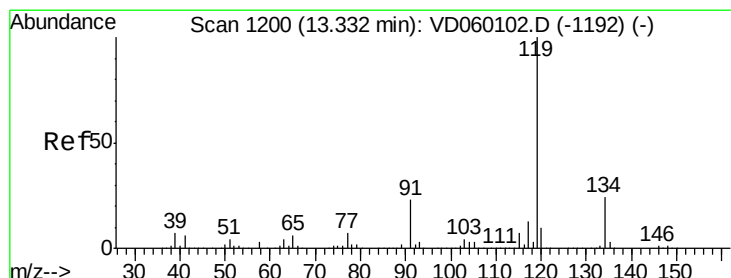
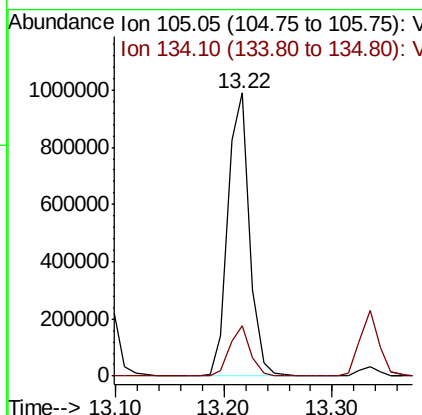
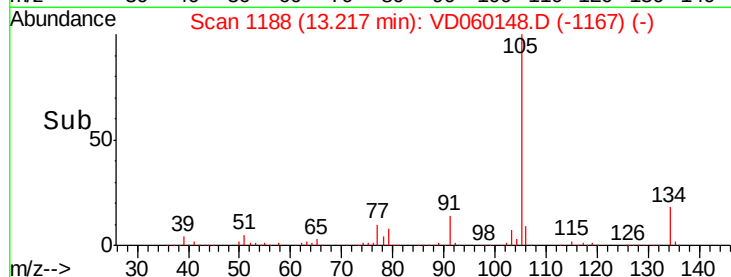
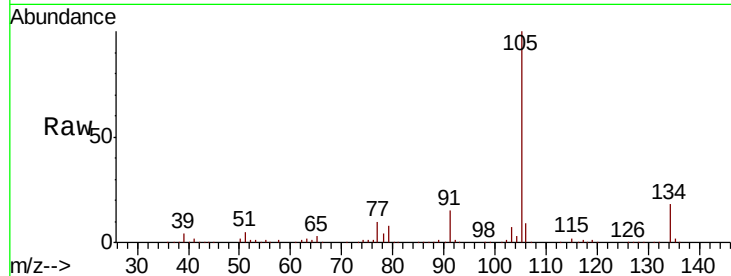
#85
 sec-Butylbenzene
 Concen: 22.325 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1009SBSD01

Tot Ion:105 Resp: 1371401
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.8 26.2

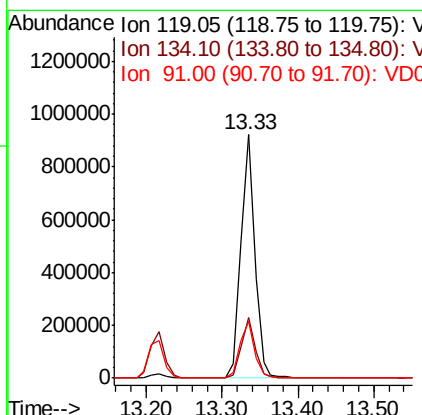
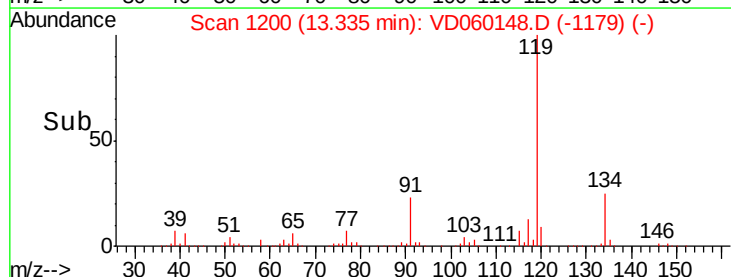
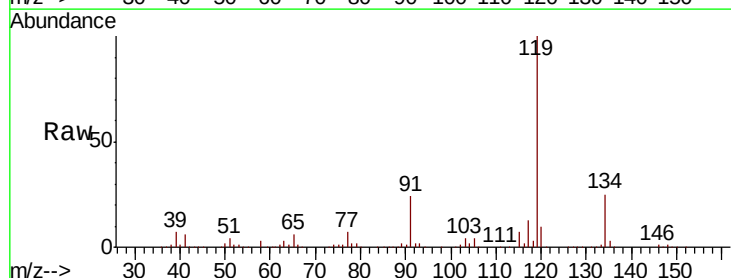
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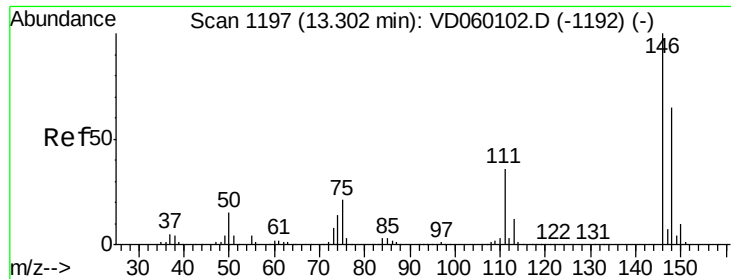
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#86
 p-Isopropyltoluene
 Concen: 22.920 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion:119 Resp: 1154830
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.3 36.8
 91 23.5 11.8 35.4





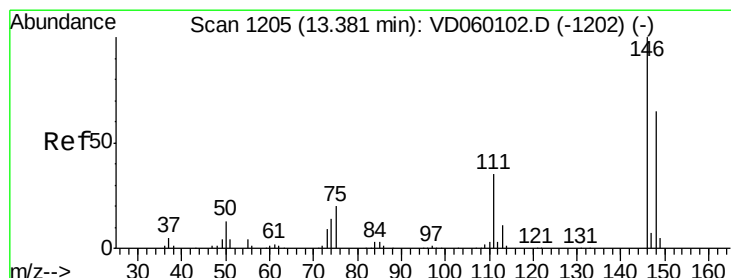
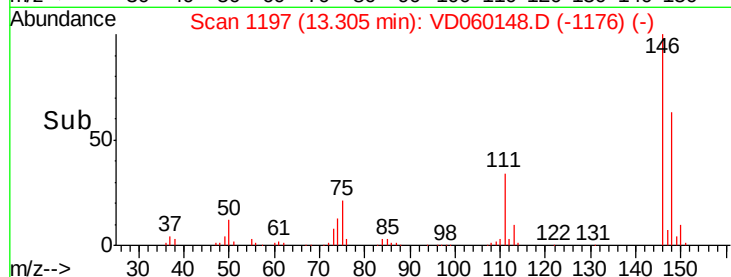
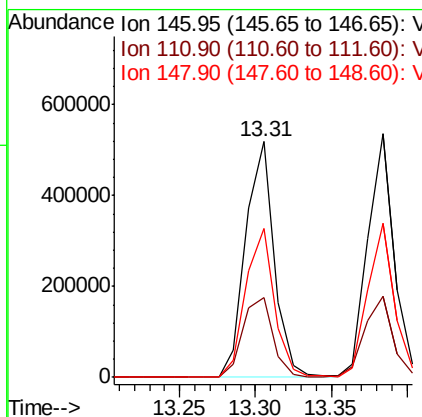
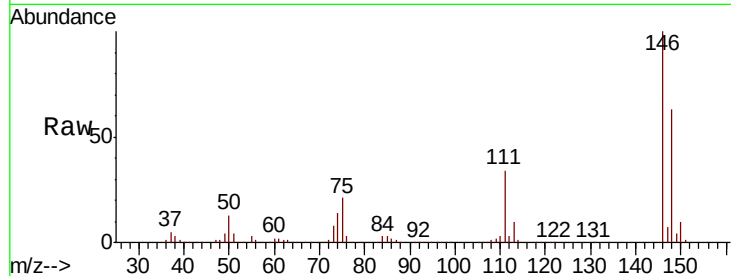
#87
 1,3-Dichlorobenzene
 Concen: 23.078 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	18.1	54.3
148	63.2	32.3	96.9

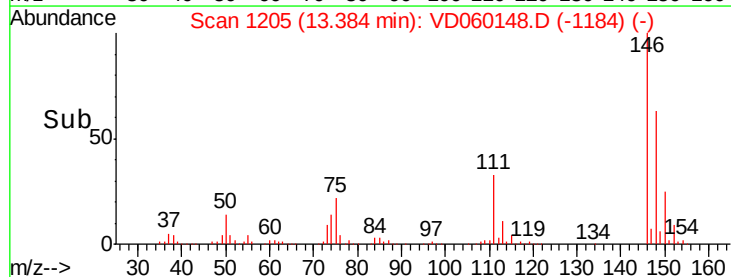
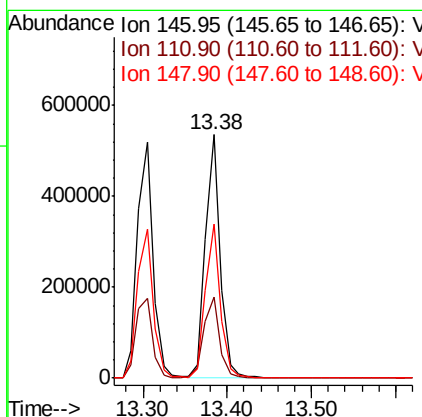
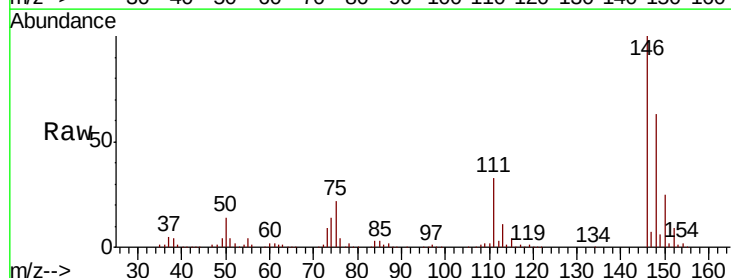
Manual Integrations
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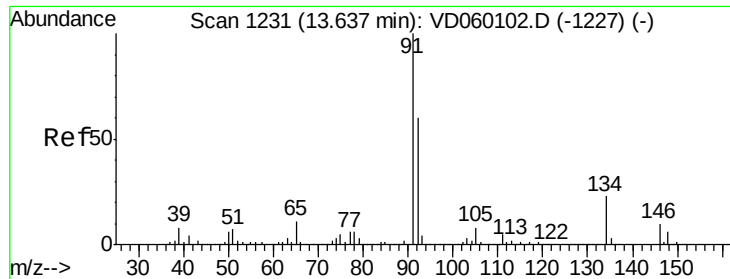
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#88
 1,4-Dichlorobenzene
 Concen: 22.220 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.3	17.8	53.3
148	63.2	32.4	97.2





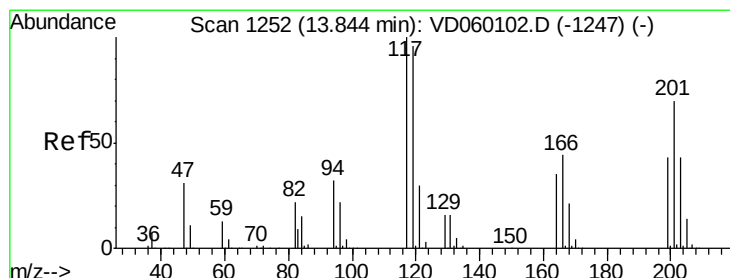
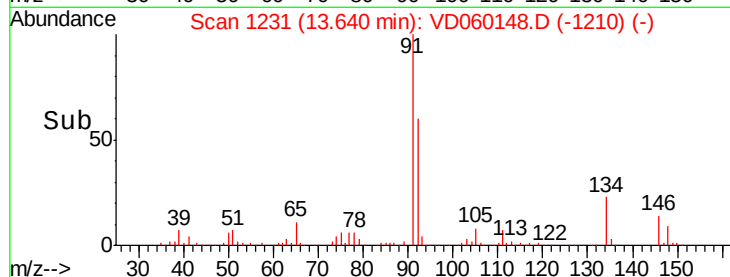
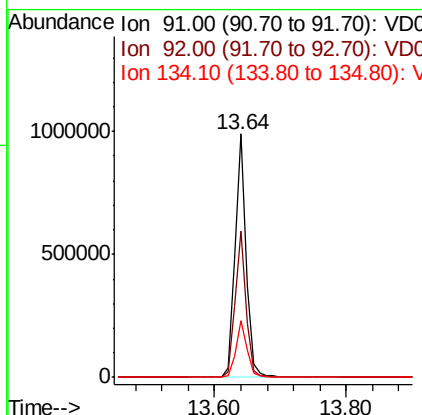
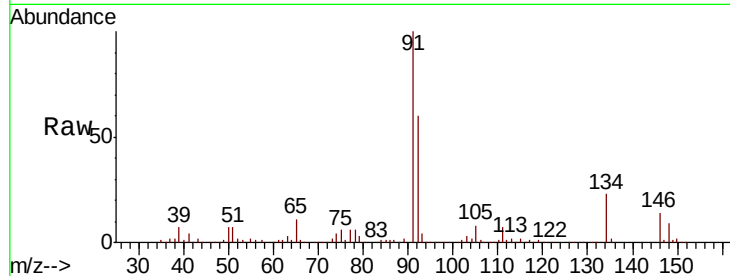
#89
n-Butylbenzene
Concen: 23.782 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 91 Resp: 1169192
Ion Ratio Lower Upper
91 100
92 60.4 30.1 90.3
134 23.4 11.6 34.7

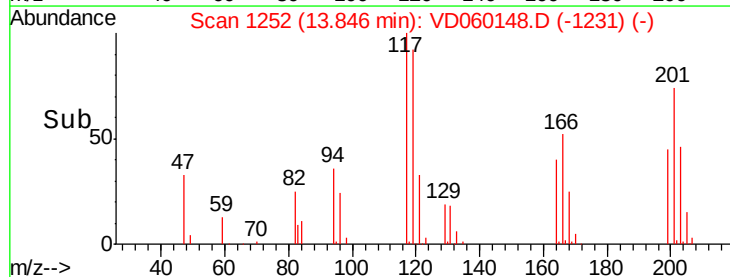
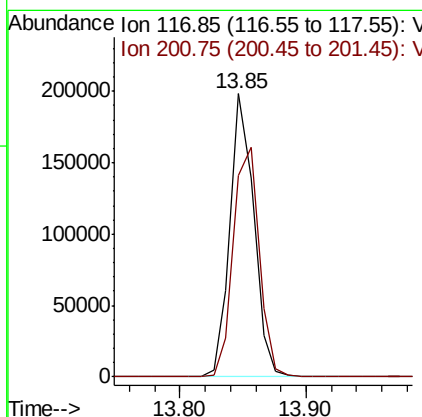
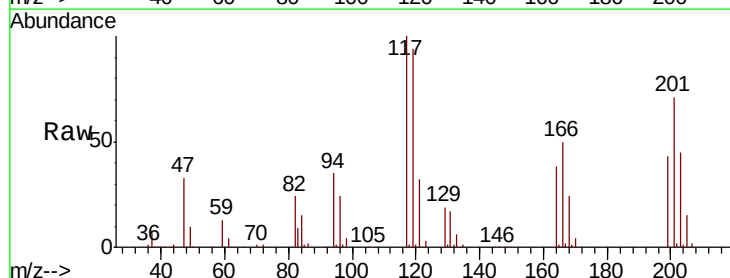
Manual Integrations
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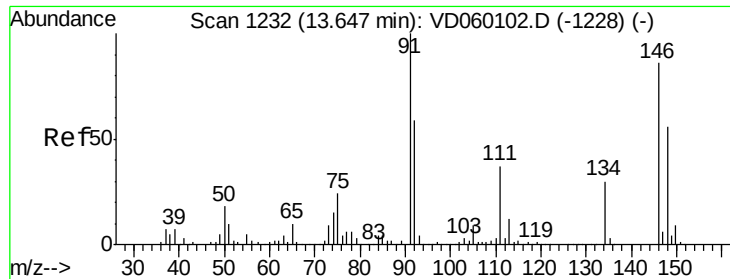
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#90
Hexachloroethane
Concen: 22.223 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 117 Resp: 259135
Ion Ratio Lower Upper
117 100
201 71.0 34.8 104.5





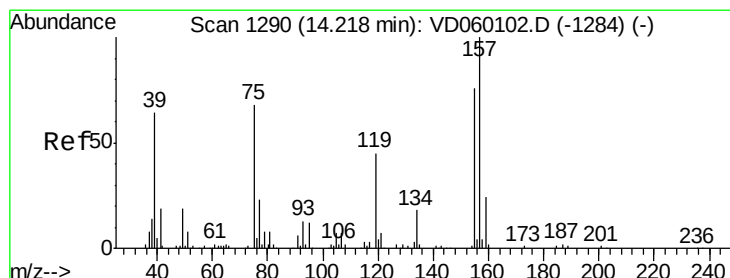
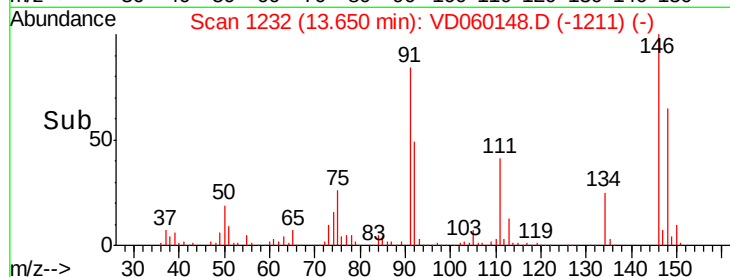
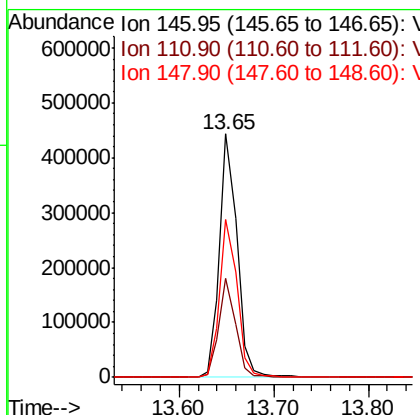
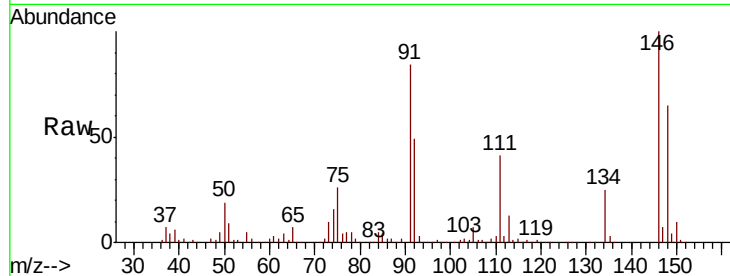
#91
 1,2-Dichlorobenzene
 Concen: 22.921 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.4	64.3
148	64.7	32.2	96.6

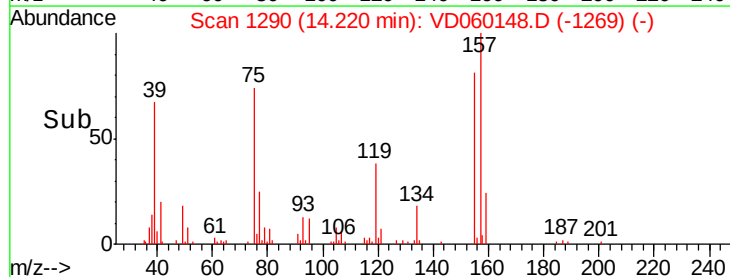
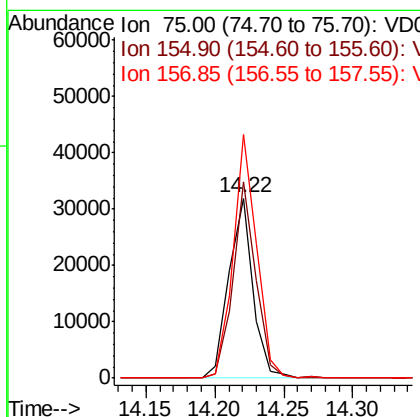
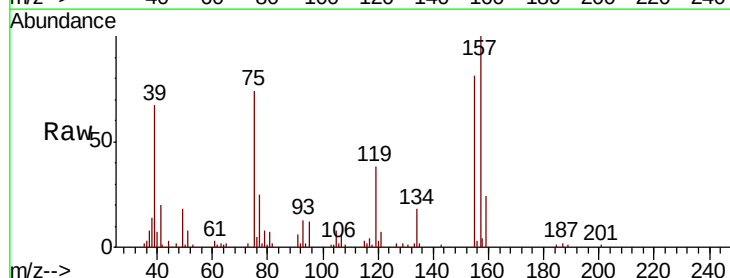
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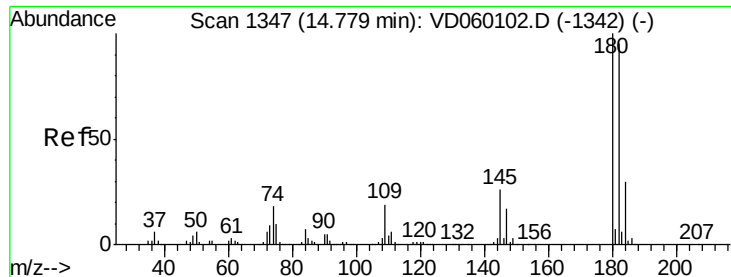
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.667 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.0	55.9	167.7
157	135.3	73.3	219.8





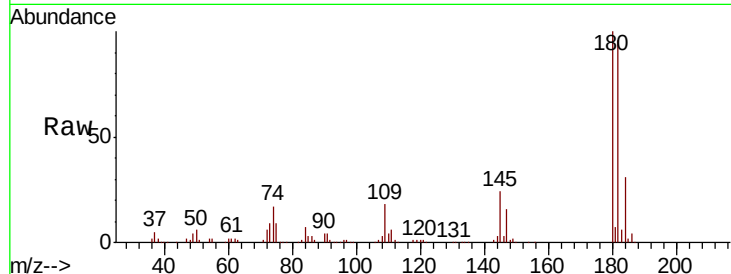
#93
 1,2,4-Trichlorobenzene
 Concen: 22.471 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

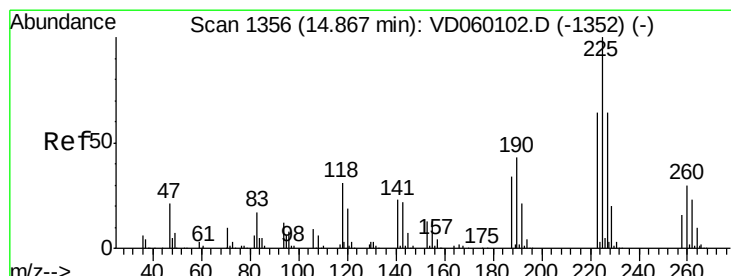
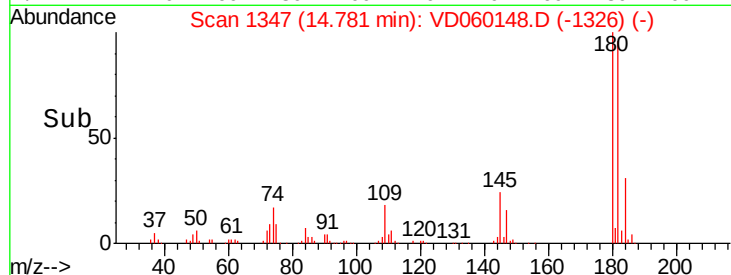
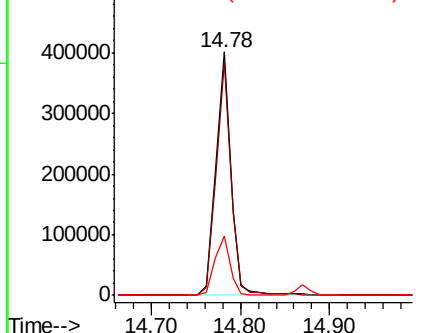
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	24.4	13.0	38.9

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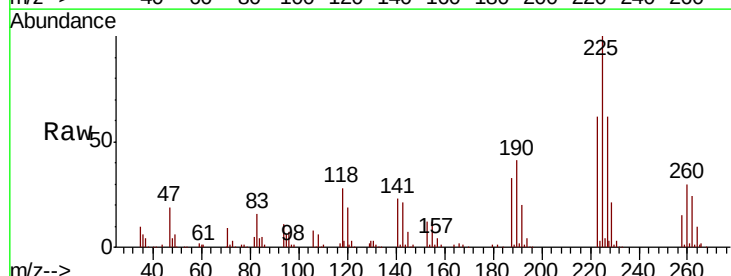


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

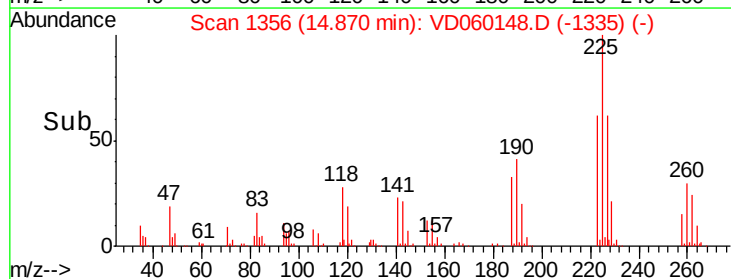
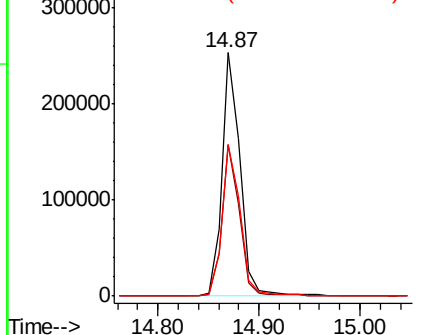


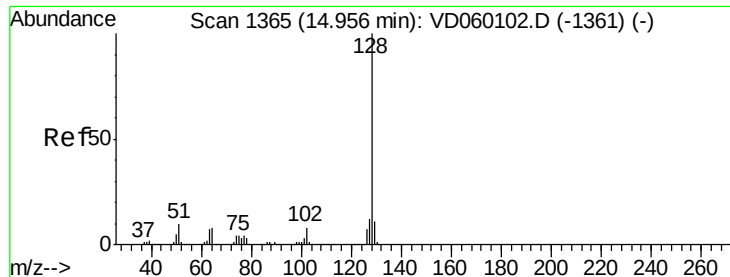
#94
 Hexachlorobutadiene
 Concen: 22.544 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	62.4	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.551 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

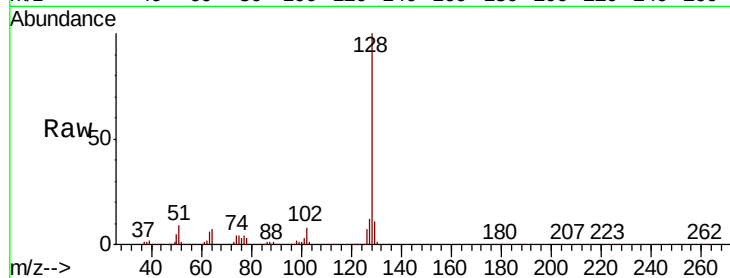
ClientSampleId :

VD1009SBS01

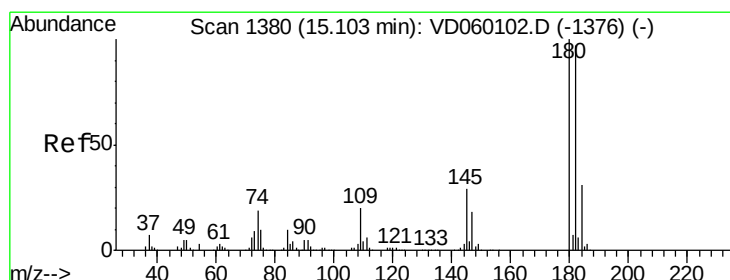
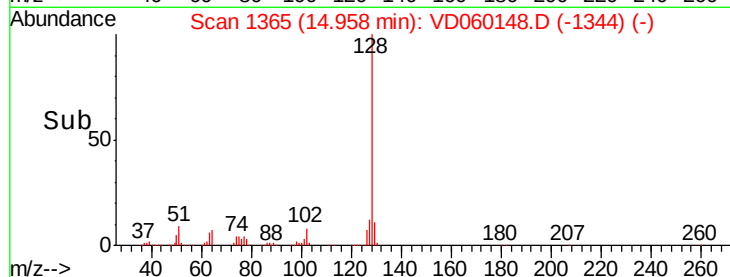
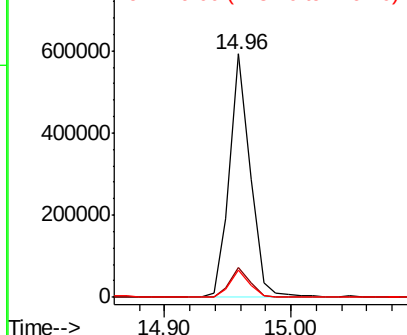
Tot Ion:	128	Resp:	675238
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.9	14.9
129	11.1	8.8	13.2

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.363 ug/l

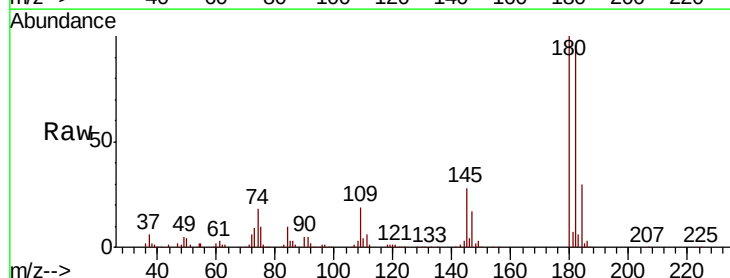
RT: 15.11 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion:	180	Resp:	392810
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.4	145.0
145	27.8	14.5	43.6



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

