

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060052.D
 Acq On : 20 Sep 2018 13:03
 Operator : VA/AP
 Sample : VD0920SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

apatel
 9/21/2018 12:02:19 PM

Quant Time: Sep 20 16:48:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1506929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2069634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1717227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	929901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	577359	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	6.30	113	812656	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	9.43	98	2256938	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.42	95	870670	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	285124	17.925	ug/l	99
3) Chloromethane	1.74	50	290038	20.642	ug/l	99
4) Vinyl Chloride	1.84	62	234788	20.786	ug/l	99
5) Bromomethane	2.12	94	20253	15.148	ug/l	99
6) Chloroethane	2.23	64	58297	23.085	ug/l	95
7) Trichlorofluoromethane	2.49	101	269527	21.673	ug/l	97
8) Diethyl Ether	2.80	74	53459	20.222	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.07	101	171805	21.909	ug/l	96
10) Methyl Iodide	3.22	142	173819	20.928	ug/l	91
11) Tert butyl alcohol	3.95	59	69550	73.347	ug/l	99
12) 1,1-Dichloroethene	3.05	96	138888	22.400	ug/l	96
13) Acrolein	2.96	56	45715	77.851	ug/l	97
14) Allyl chloride	3.51	41	268973	20.570	ug/l	98
15) Acrylonitrile	4.06	53	344274	96.184	ug/l	94
16) Acetone	3.14	43	252134	111.128	ug/l	97
17) Carbon Disulfide	3.28	76	443564	20.763	ug/l	99
18) Methyl Acetate	3.53	43	85687	18.570	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	569772	19.888	ug/l	97
20) Methylene Chloride	3.70	84	379141	19.019	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	333262	20.482	ug/l	94
22) Diisopropyl ether	4.83	45	1239952	20.788	ug/l	98
23) Vinyl Acetate	4.78	43	3450188	102.103	ug/l	99
24) 1,1-Dichloroethane	4.73	63	564087	21.074	ug/l	100
25) 2-Butanone	5.60	43	672712	109.876	ug/l	98
26) 2,2-Dichloropropane	5.57	77	456662	21.944	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	366345	21.525	ug/l	98
28) Bromochloromethane	5.90	49	257170	19.988	ug/l	94
29) Tetrahydrofuran	5.93	42	299274	91.147	ug/l	99
30) Chloroform	6.08	83	574608	21.168	ug/l	99
31) Cyclohexane	6.34	56	521923	19.998	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	466565	20.724	ug/l	99
36) 1,1-Dichloropropene	6.50	75	434762	21.147	ug/l	97
37) Ethyl Acetate	5.68	43	271443	19.200	ug/l	99
38) Carbon Tetrachloride	6.47	117	382616	19.937	ug/l	96

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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	8.02	83	484056	20.814	ug/l	99
40) Benzene	6.77	78	1111903	21.220	ug/l	99
41) Methacrylonitrile	5.92	41	178550m	24.113	ug/l	
42) 1,2-Dichloroethane	6.88	62	322365	20.489	ug/l	98
43) Isopropyl Acetate	8.33	43	341111	18.020	ug/l #	99
44) Trichloroethene	7.72	130	350571	21.654	ug/l	95
45) 1,2-Dichloropropane	8.09	63	296144	21.136	ug/l	99
46) Dibromomethane	8.19	93	179730	19.660	ug/l	97
47) Bromodichloromethane	8.47	83	411399	20.872	ug/l	99
48) Methyl methacrylate	8.23	41	200363	19.005	ug/l	96
49) 1,4-Dioxane	8.21	88	36685	350.348	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	1388291	99.305	ug/l	99
52) Toluene	9.53	92	721449	21.480	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	370778	20.170	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	451372	20.551	ug/l	95
55) 1,1,2-Trichloroethane	10.17	97	236208	20.256	ug/l	91
56) Ethyl methacrylate	10.01	69	248244	19.192	ug/l	98
57) 1,3-Dichloropropane	10.37	76	353755	20.551	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	662194	106.019	ug/l	95
59) 2-Hexanone	10.48	43	1017781	101.156	ug/l	98
60) Dibromochloromethane	10.62	129	281160	19.809	ug/l	98
61) 1,2-Dibromoethane	10.74	107	239690	19.907	ug/l	98
64) Tetrachloroethene	10.24	164	312292	20.612	ug/l	96
65) Chlorobenzene	11.30	112	785041	21.263	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	272238	21.862	ug/l	98
67) Ethyl Benzene	11.42	91	1379805	23.224	ug/l	98
68) m/p-Xylenes	11.56	106	1008117	45.943	ug/l	96
69) o-Xylene	11.92	106	484669	22.292	ug/l	99
70) Styrene	11.94	104	813676	22.257	ug/l	96
71) Bromoform	12.11	173	196760	18.391	ug/l	97
73) Isopropylbenzene	12.27	105	1320957	21.660	ug/l	100
74) N-amyl acetate	12.12	43	444412	18.396	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	265403	19.183	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	269520	18.977	ug/l	98
77) Bromobenzene	12.53	156	365576	20.809	ug/l	95
78) n-propylbenzene	12.63	91	1656434	21.598	ug/l	99
79) 2-Chlorotoluene	12.69	91	901458	20.825	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	1033496	22.109	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	75580	17.630	ug/l	99
82) 4-Chlorotoluene	12.80	91	1064332	22.364	ug/l	98
83) tert-Butylbenzene	13.04	119	1146673	21.174	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1070707	21.464	ug/l	99
85) sec-Butylbenzene	13.21	105	1388658	21.602	ug/l	99
86) p-Isopropyltoluene	13.33	119	1135281	21.836	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	656038	21.474	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	660469	21.315	ug/l	97
89) n-Butylbenzene	13.64	91	1173957	20.957	ug/l	96
90) Hexachloroethane	13.85	117	252310	19.593	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	573200	20.256	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35127	16.654	ug/l	96

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Instrument :
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ClientSampleId :
VD0920SBSD01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	448945	20.622	ug/l	96
94) Hexachlorobutadiene	14.88	225	299968	20.830	ug/l	99
95) Naphthalene	14.95	128	631670	18.788	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	368223	19.193	ug/l	97

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

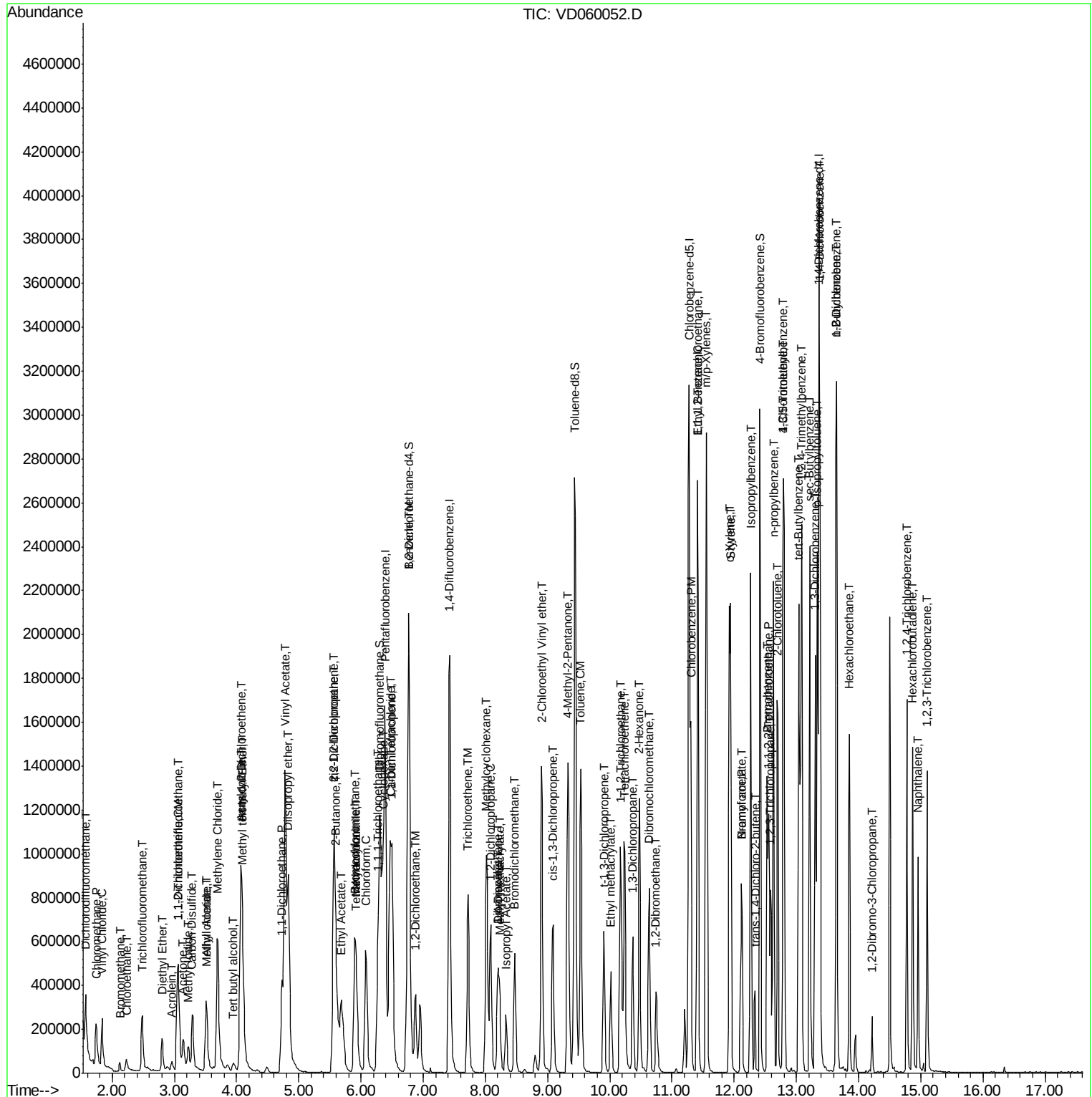
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060052.D
Acq On : 20 Sep 2018 13:03
Operator : VA/AP
Sample : VD0920SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

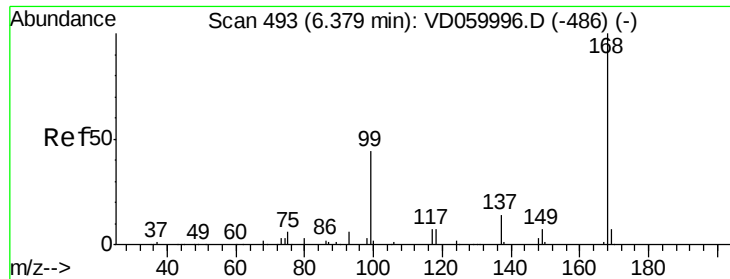
Instrument :
MSVOA_D
ClientSampleID :
VD0920SBSD01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

Tot Ion:168 Resp: 1506929

Ion Ratio Lower Upper

168 100

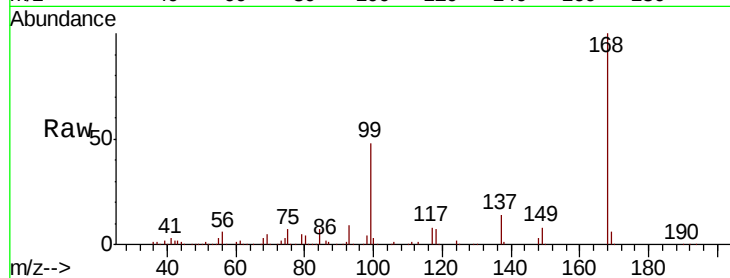
99 48.1 38.5 57.7

Manual Integrations

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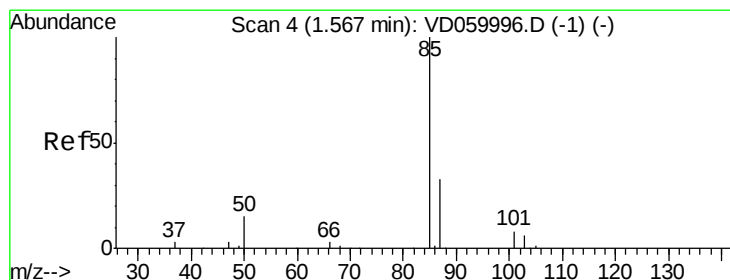
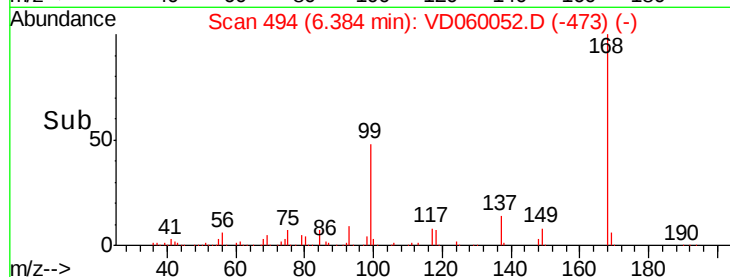
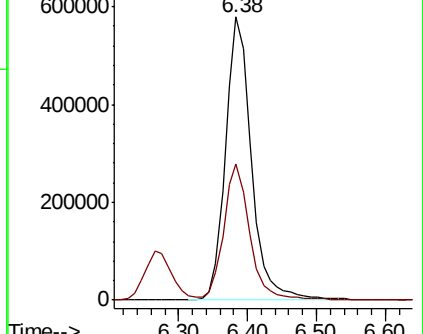
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.925 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060052.D

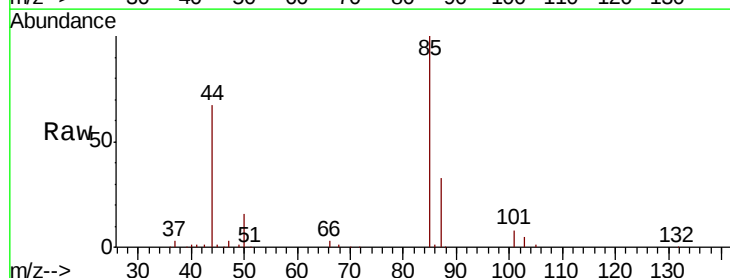
Acq: 20 Sep 2018 13:03

Tgt Ion: 85 Resp: 285124

Ion Ratio Lower Upper

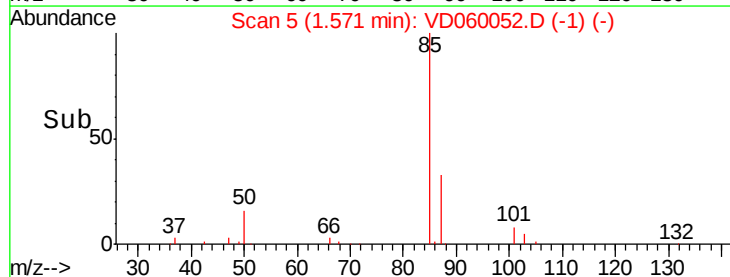
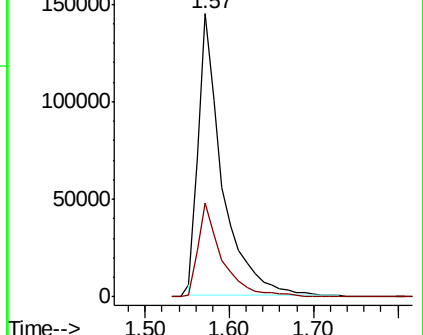
85 100

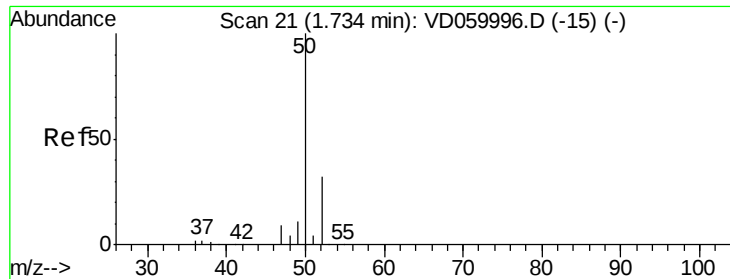
87 33.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.642 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 50 Resp: 290038

Ion Ratio Lower Upper

50 100

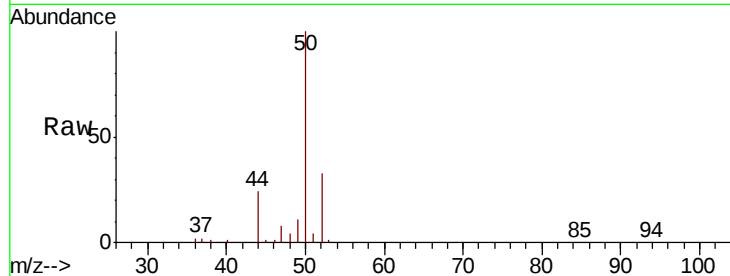
52 32.6 25.4 38.2

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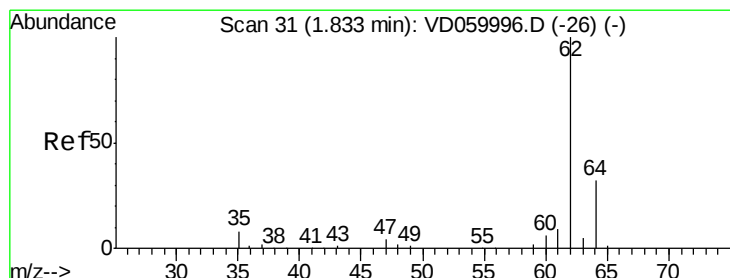
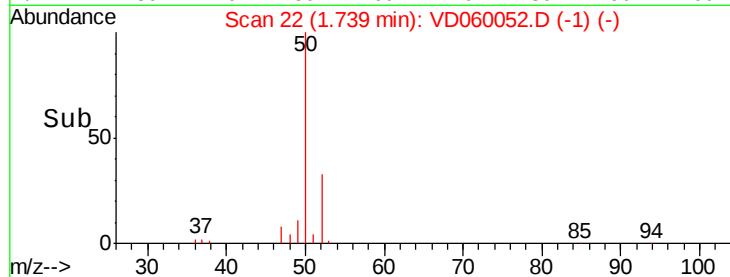
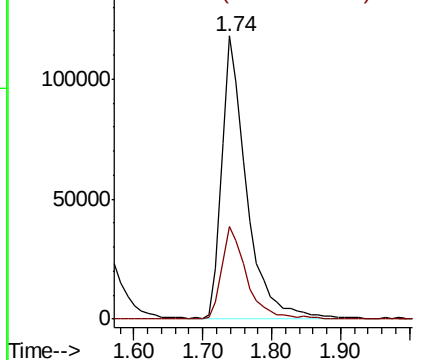
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.786 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD060052.D

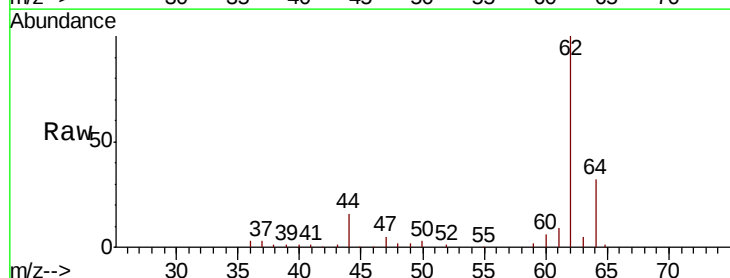
Acq: 20 Sep 2018 13:03

Tgt Ion: 62 Resp: 234788

Ion Ratio Lower Upper

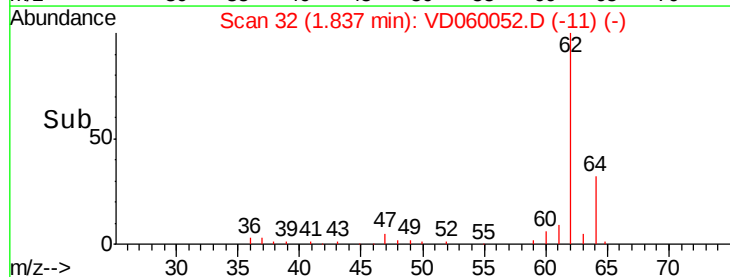
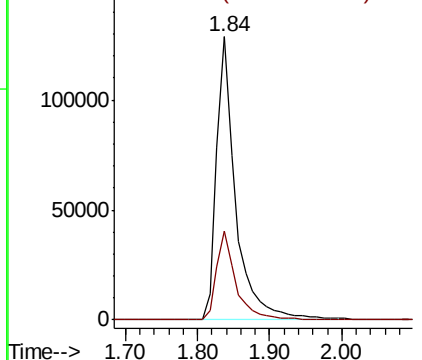
62 100

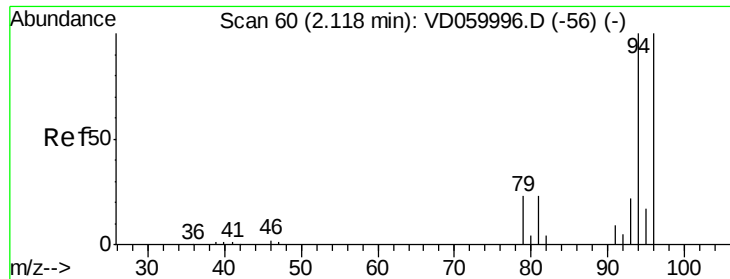
64 31.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





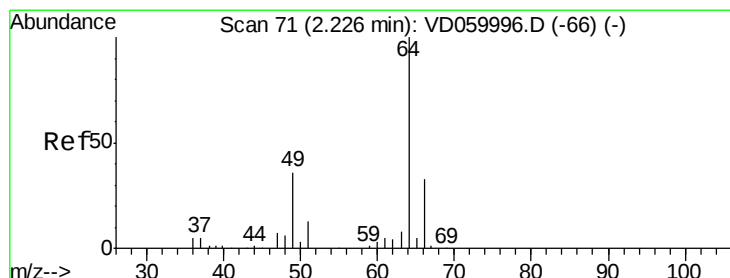
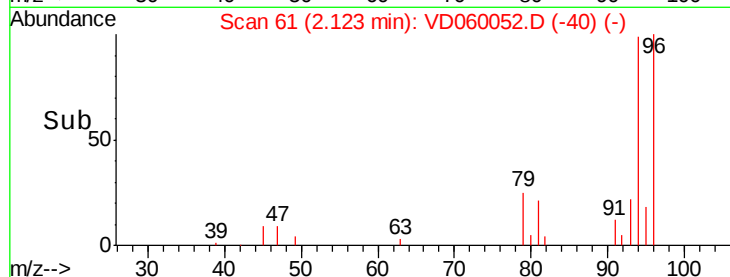
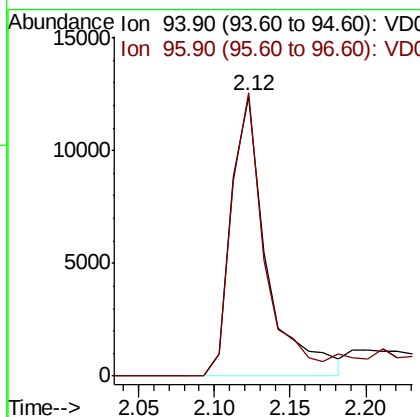
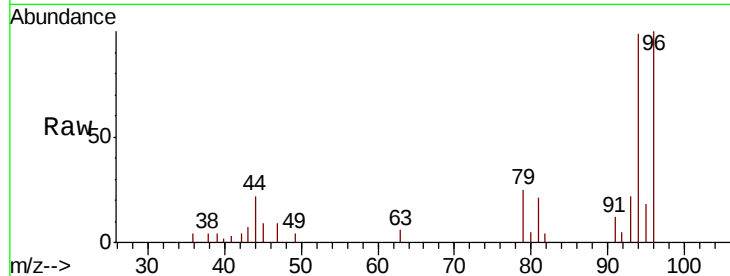
#5
Bromomethane
Concen: 15.148 ug/l
RT: 2.12 min Scan# 61
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion: 94 Resp: 20253
Ion Ratio Lower Upper
94 100
96 101.2 79.8 119.8

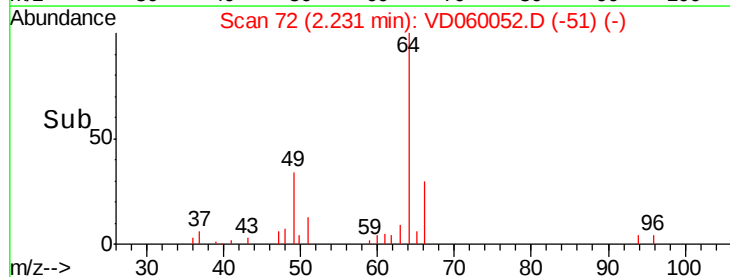
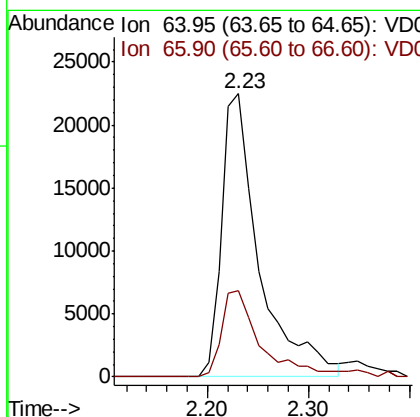
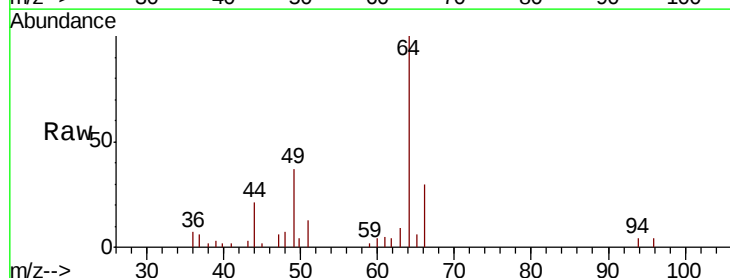
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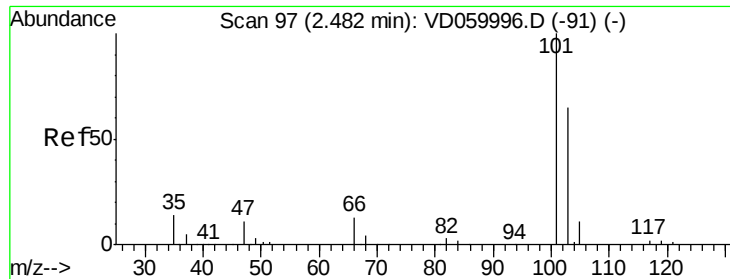
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#6
Chloroethane
Concen: 23.085 ug/l
RT: 2.23 min Scan# 72
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 64 Resp: 58297
Ion Ratio Lower Upper
64 100
66 30.4 26.5 39.7





#7

Trichlorofluoromethane

Concen: 21.673 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion:101 Resp: 269527

Ion Ratio Lower Upper

101 100

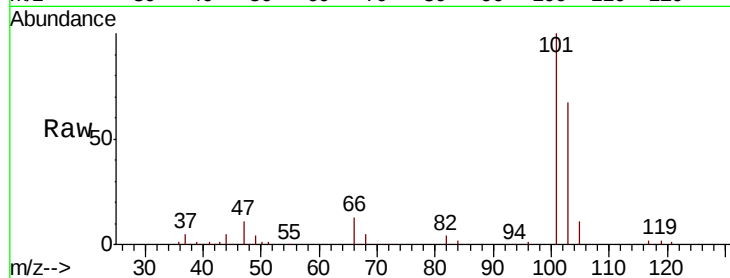
103 67.1 51.6 77.4

Manual Integrations

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

120000

100000

80000

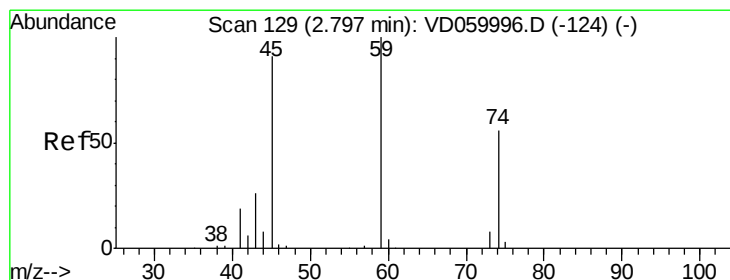
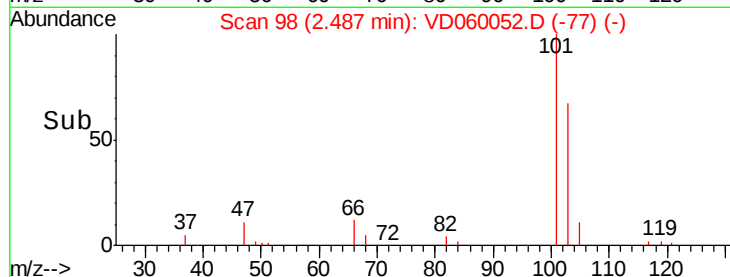
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 20.222 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD060052.D

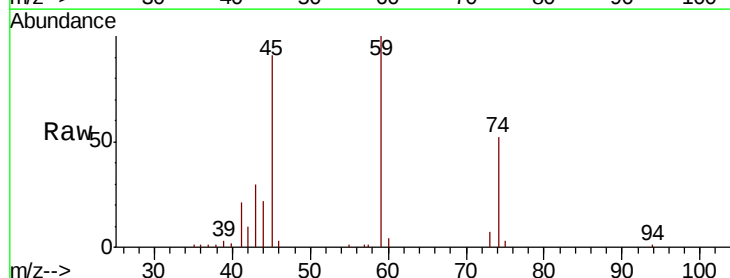
Acq: 20 Sep 2018 13:03

Tgt Ion: 74 Resp: 53459

Ion Ratio Lower Upper

74 100

45 175.6 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.80

40000

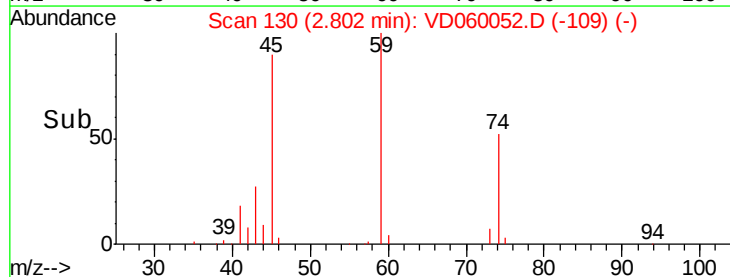
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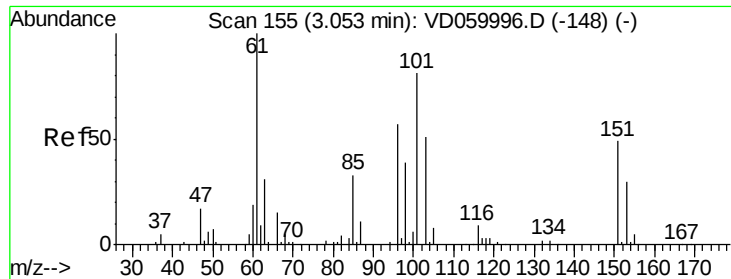
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10000

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Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.909 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

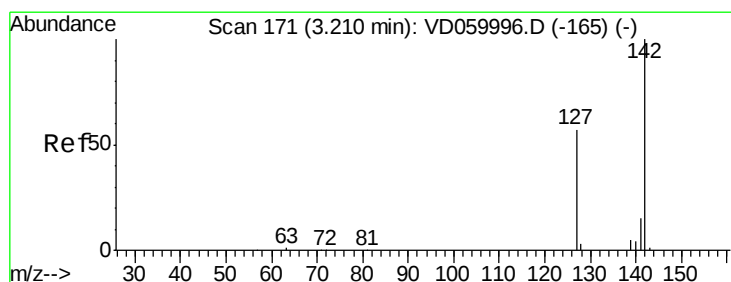
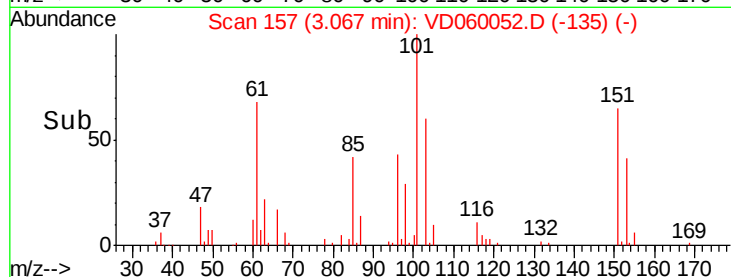
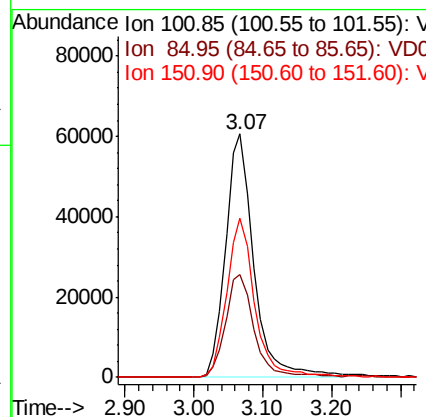
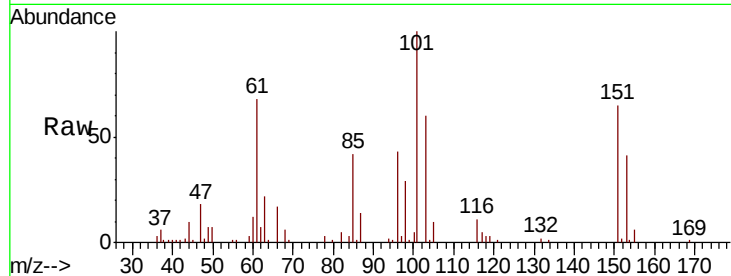
ClientSampleId :

VD0920SBS01

Tot Ion:	101	Resp:	171805
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.1	49.7
151	65.2	48.2	72.4

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#10

Methyl Iodide

Concen: 20.928 ug/l

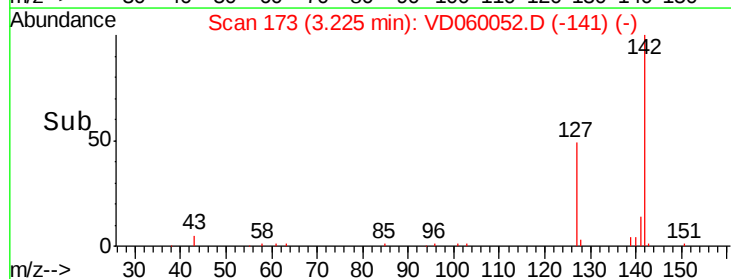
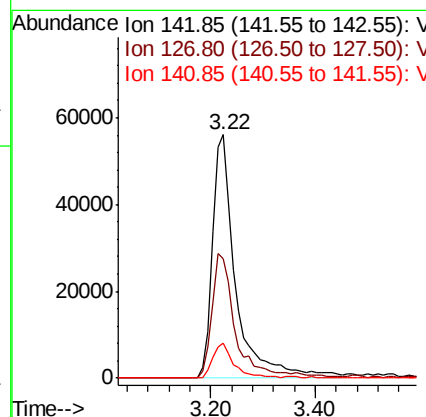
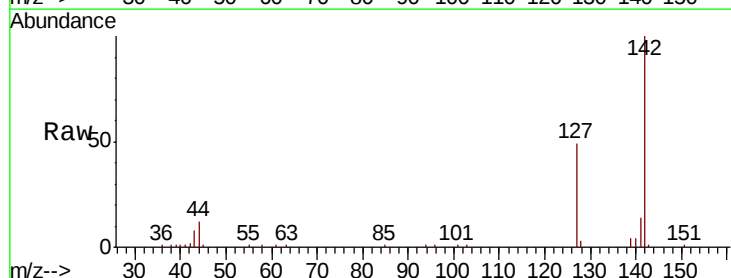
RT: 3.22 min Scan# 173

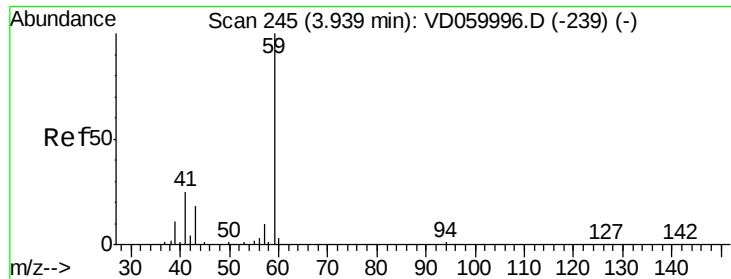
Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion:	142	Resp:	173819
Ion Ratio	Lower	Upper	
142	100		
127	49.3	45.8	68.8
141	14.2	12.2	18.4





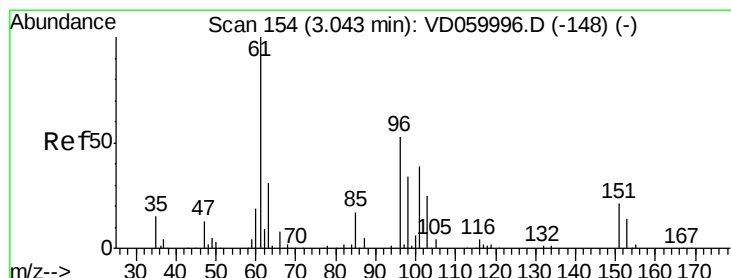
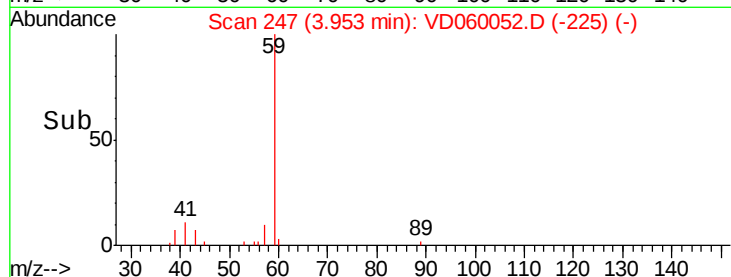
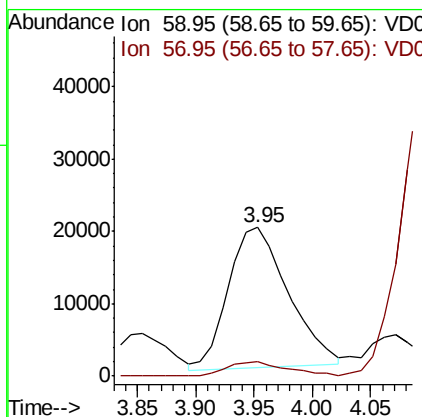
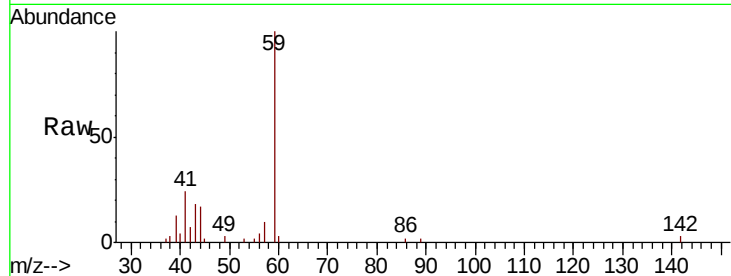
#11
Tert butyl alcohol
Concen: 73.347 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion	59	Resp	69550
Ion Ratio	100	Lower	Upper
57	9.7	7.4	11.2

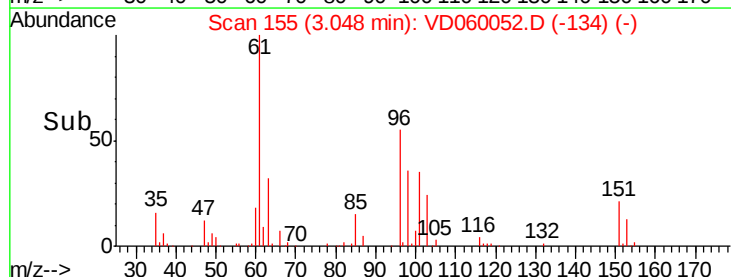
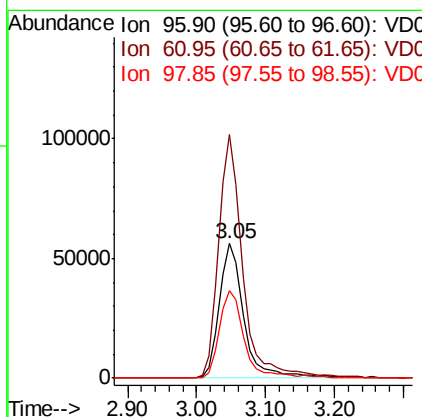
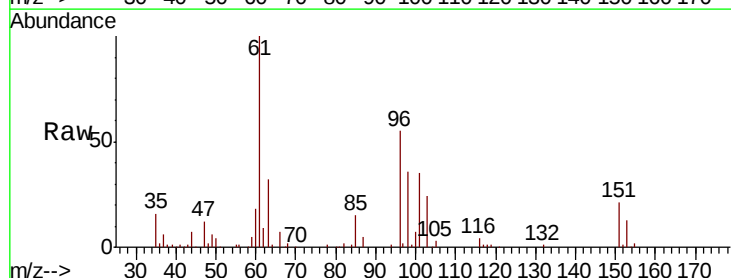
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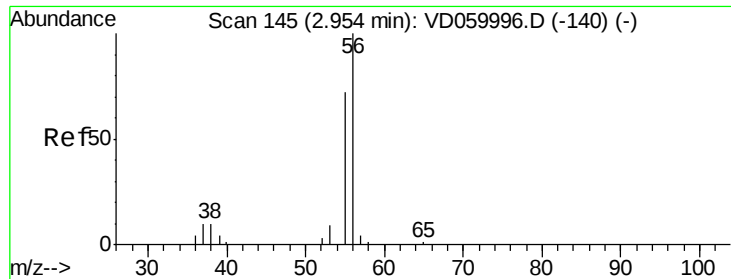
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#12
1,1-Dichloroethene
Concen: 22.400 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	96	Resp	138888
Ion Ratio	100	Lower	Upper
61	180.8	149.8	224.6
98	65.2	50.2	75.4





#13

Acrolein

Concen: 77.851 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tot Ion: 56 Resp: 45715

Ion Ratio Lower Upper

56 100

55 70.3 58.3 87.5

Instrument :

MSVOA_D

ClientSampleId :

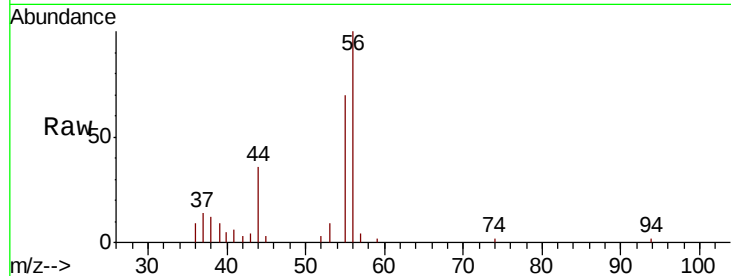
VD0920SBS01

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

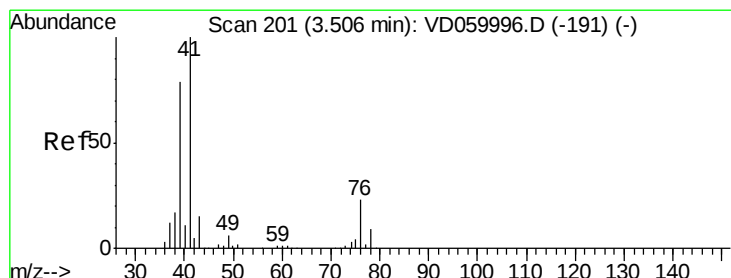
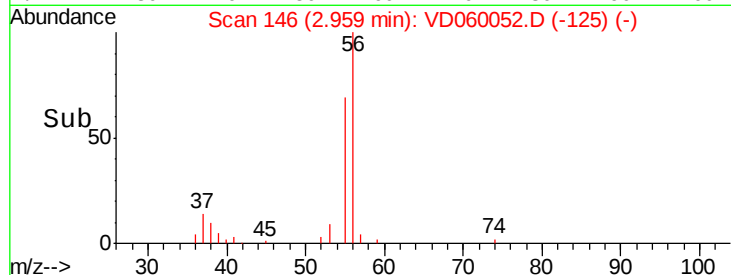
10000

5000

0

2.90 2.96 3.00 3.10

Time-->



#14

Allyl chloride

Concen: 20.570 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

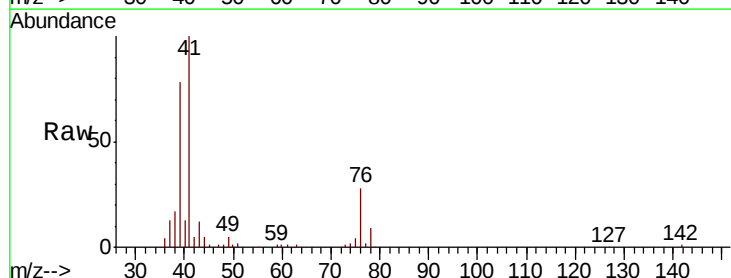
Tgt Ion: 41 Resp: 268973

Ion Ratio Lower Upper

41 100

39 78.3 63.6 95.4

76 27.6 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

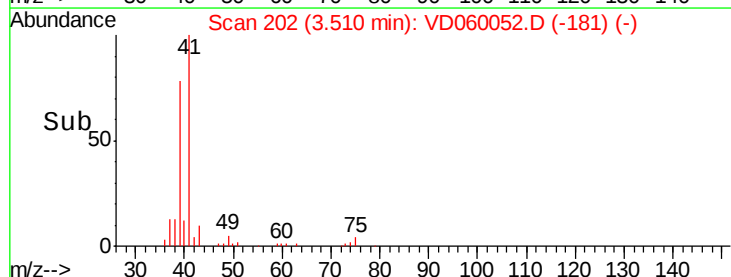
100000

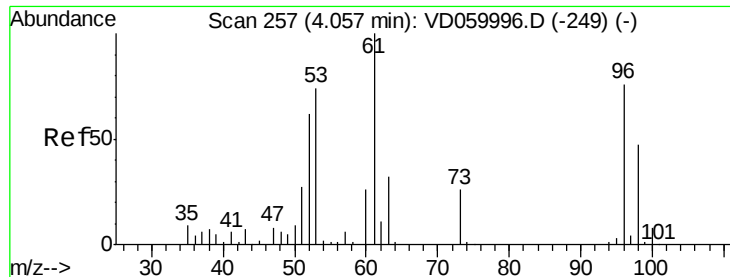
50000

0

3.40 3.50 3.60

Time-->





#15

Acrylonitrile

Concen: 96.184 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 53 Resp: 344274

Ion Ratio Lower Upper

53 100

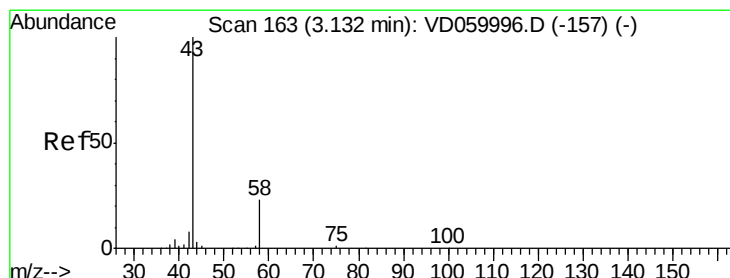
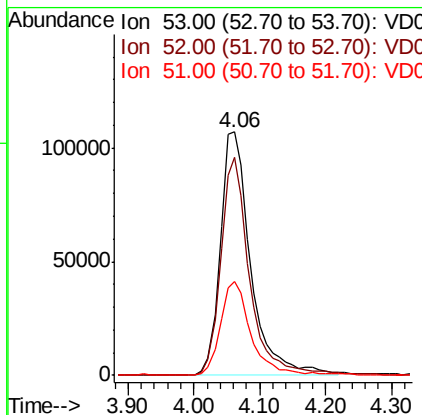
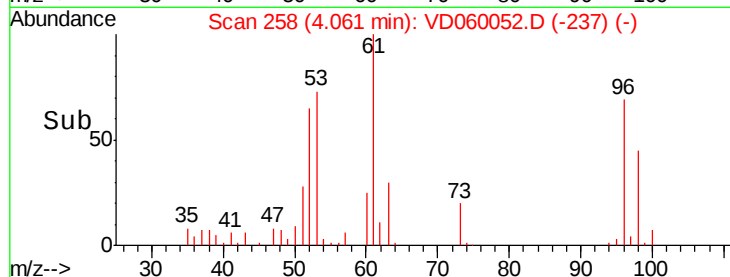
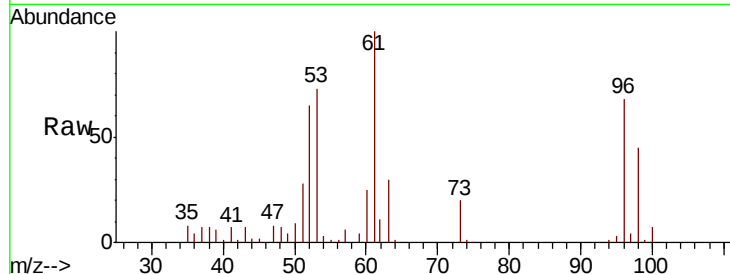
52 89.6 66.7 100.1

51 38.3 29.0 43.6

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#16

Acetone

Concen: 111.128 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060052.D

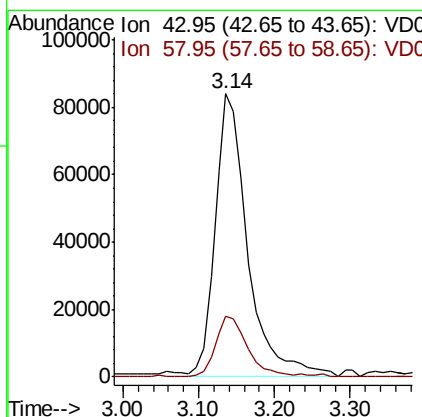
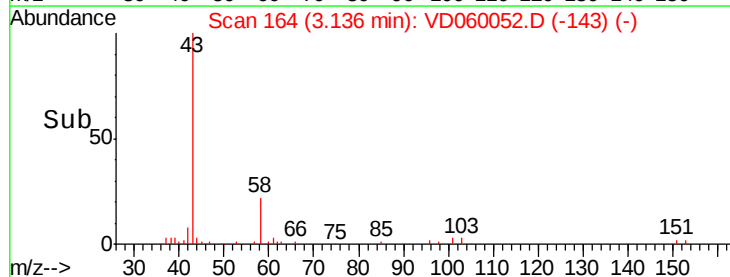
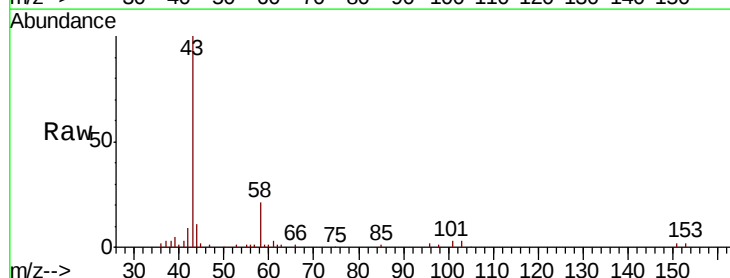
Acq: 20 Sep 2018 13:03

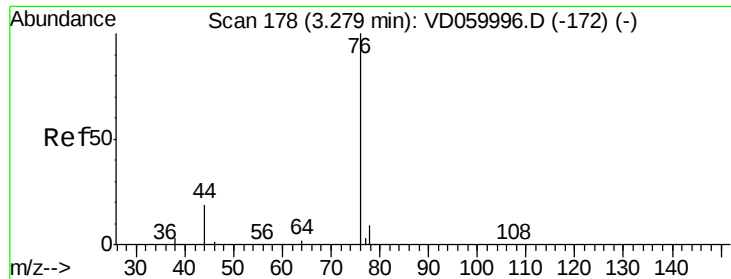
Tgt Ion: 43 Resp: 252134

Ion Ratio Lower Upper

43 100

58 21.3 18.1 27.1





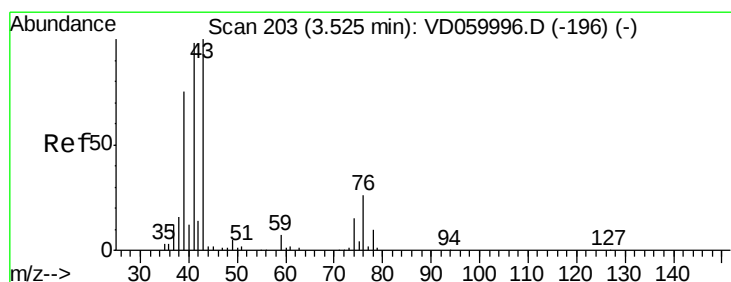
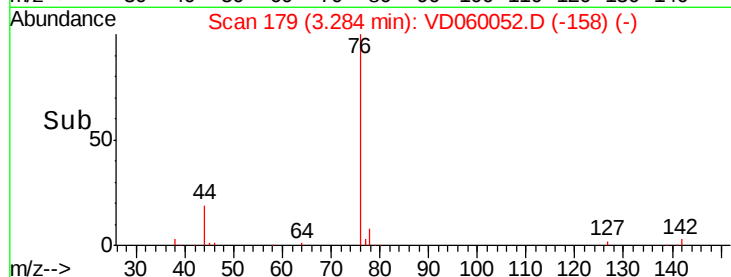
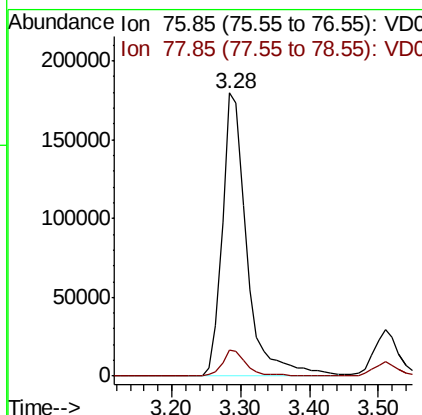
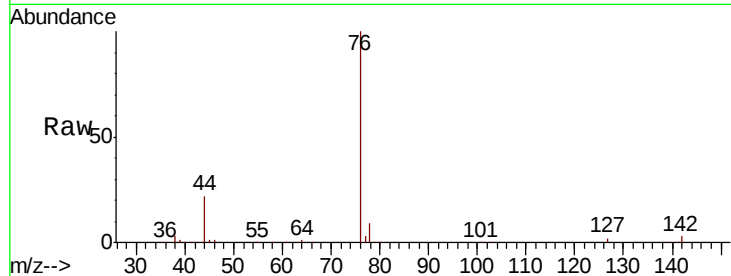
#17
Carbon Disulfide
Concen: 20.763 ug/l
RT: 3.28 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

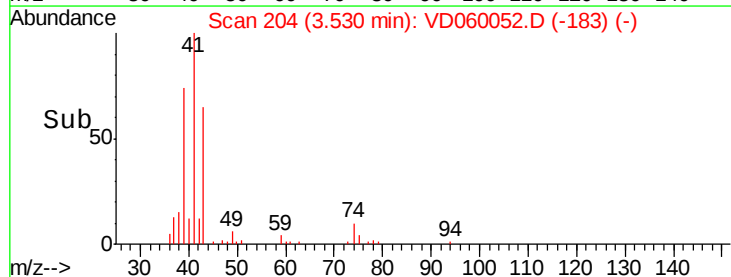
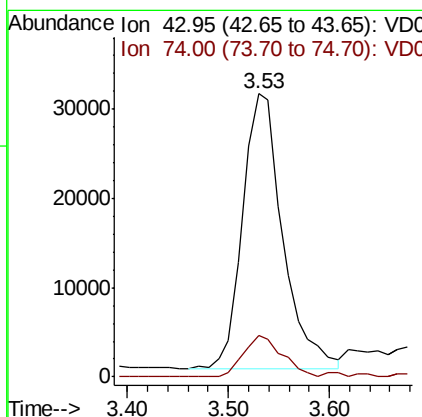
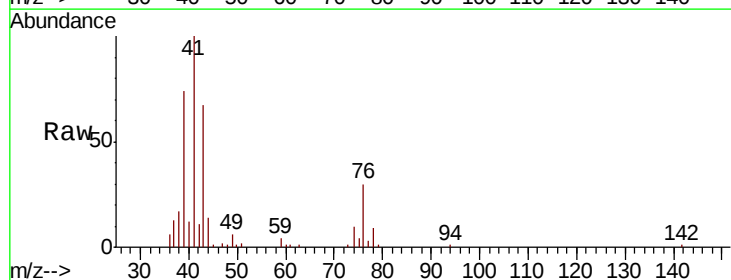
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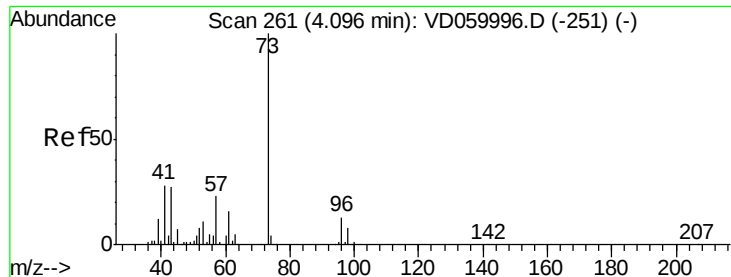
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#18
Methyl Acetate
Concen: 18.570 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.5	11.8	17.8





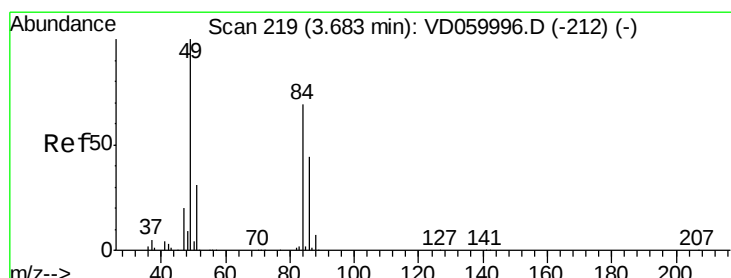
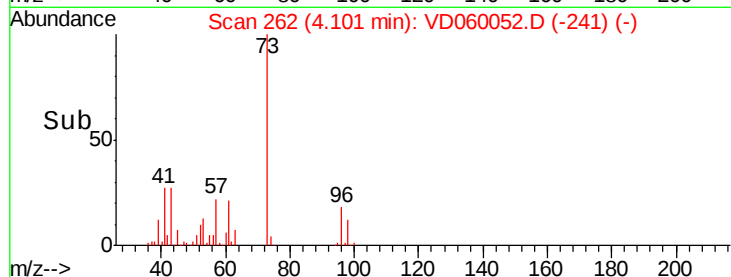
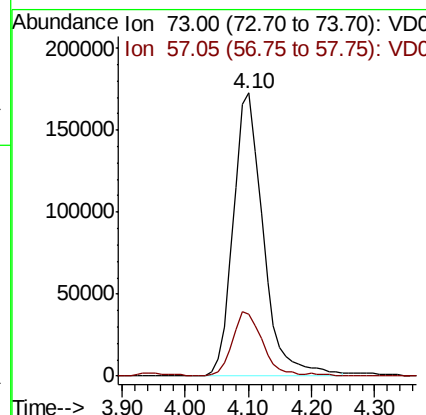
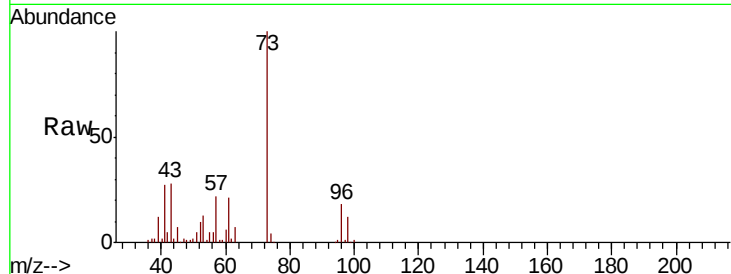
#19
Methvl tert-butvl Ether
Concen: 19.888 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion: 73 Resp: 569772
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6

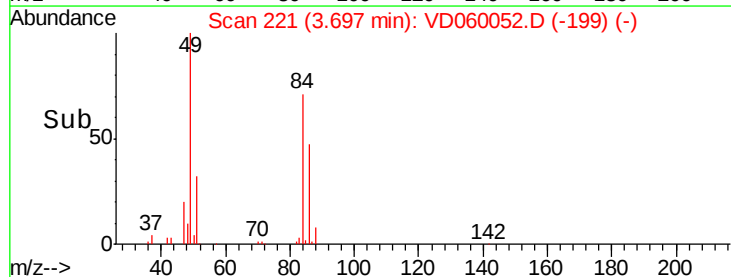
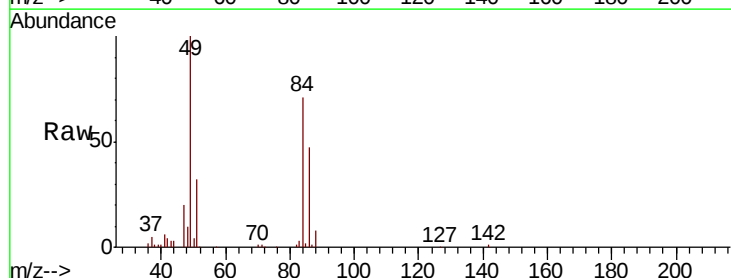
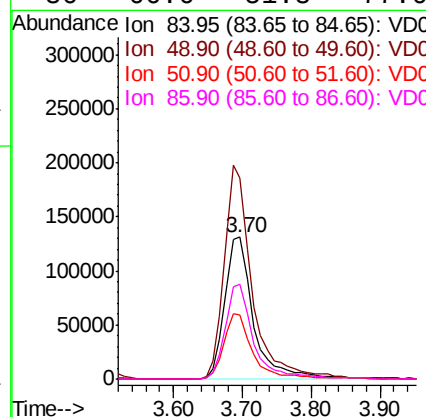
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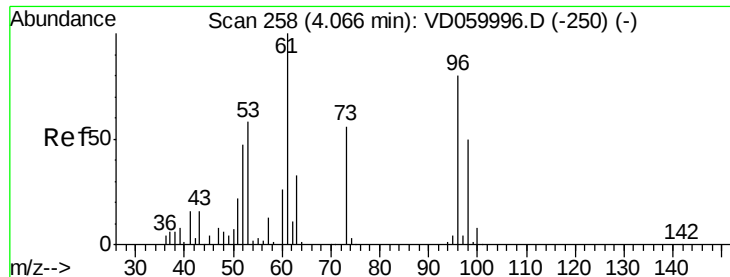
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#20
Methylene Chloride
Concen: 19.019 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 84 Resp: 379141
Ion Ratio Lower Upper
84 100
49 141.4 116.6 175.0
51 45.3 35.9 53.9
86 66.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

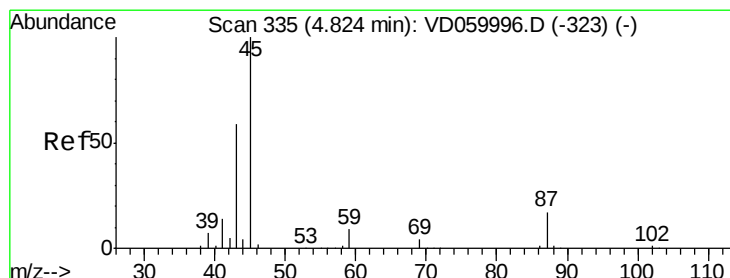
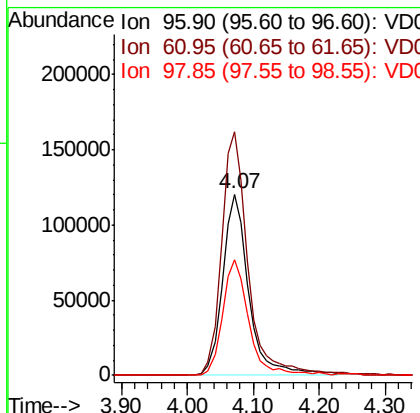
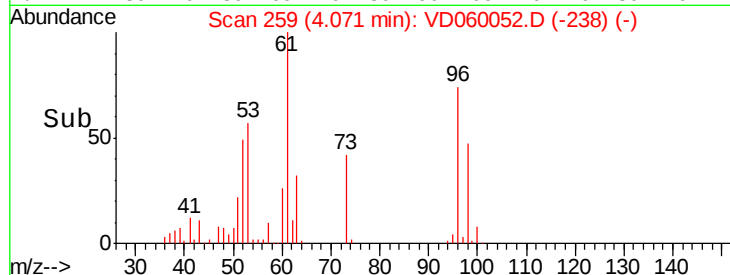
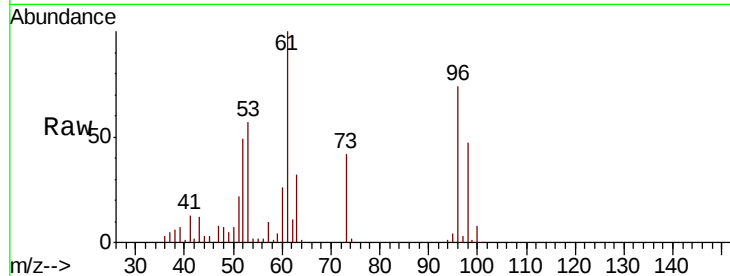
ClientSampleId :

VD0920SBS01

Tot Ion:	96	Resp:	333262
Ion	Ratio	Lower	Upper
96	100		
61	134.4	100.1	150.1
98	63.8	49.5	74.3

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#22

Diisopropyl ether

Concen: 20.788 ug/l

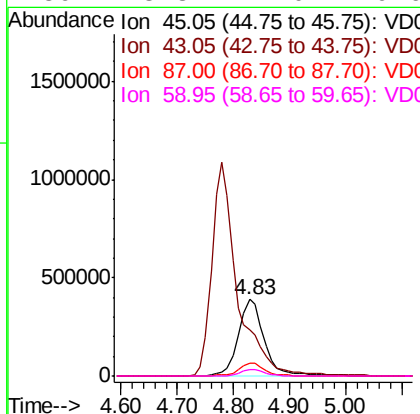
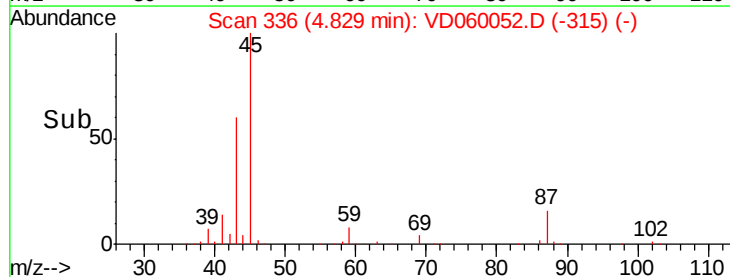
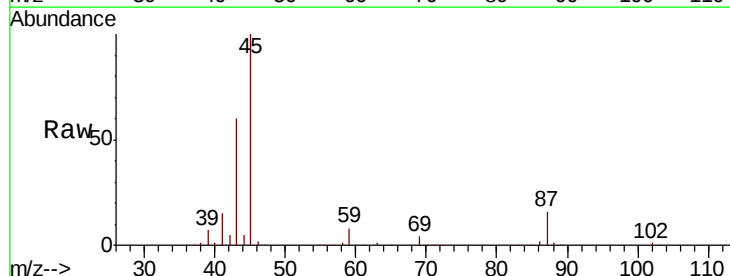
RT: 4.83 min Scan# 336

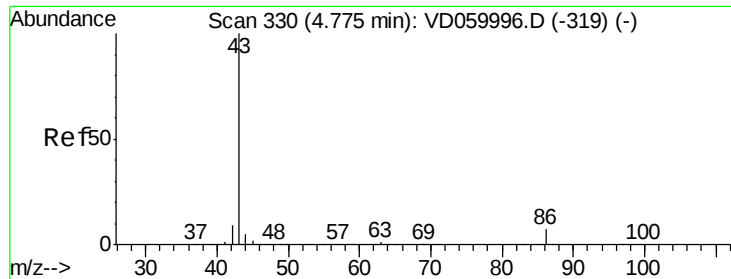
Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion:	45	Resp:	1239952
Ion	Ratio	Lower	Upper
45	100		
43	60.3	47.1	70.7
87	16.3	14.2	21.2
59	8.3	7.0	10.6





#23

Vinyl Acetate

Concen: 102.103 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 43 Resp: 3450188

Ion Ratio Lower Upper

43 100

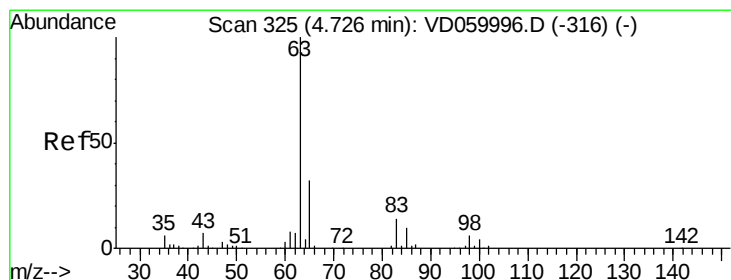
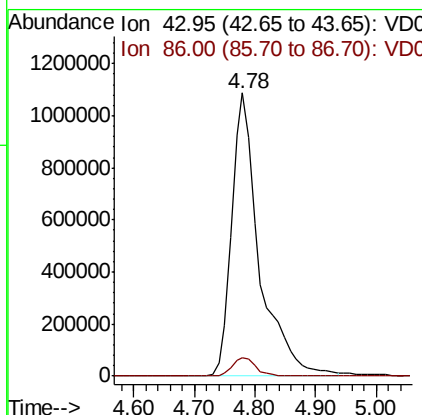
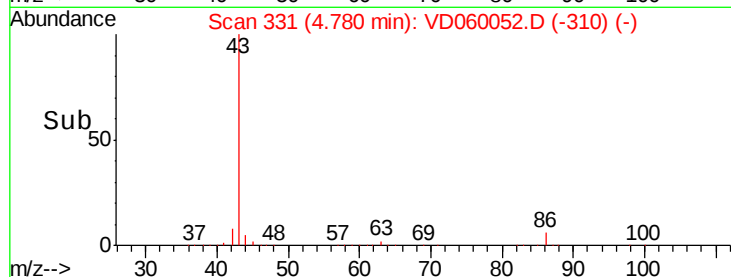
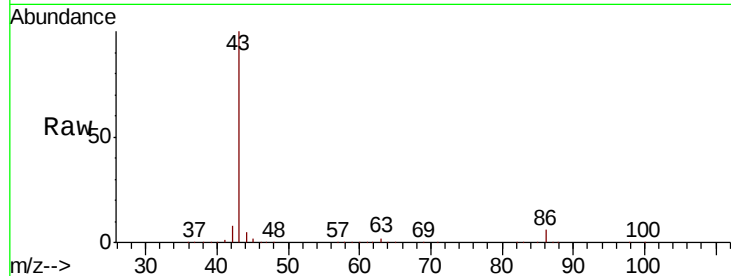
86 6.5 5.5 8.3

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#24

1,1-Dichloroethane

Concen: 21.074 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

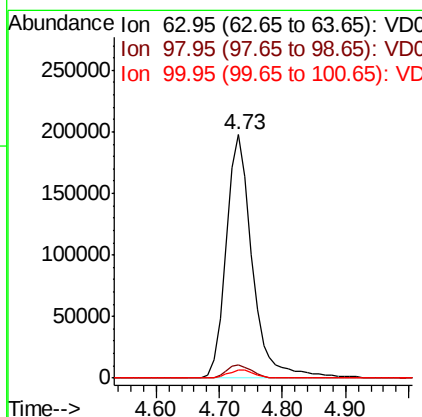
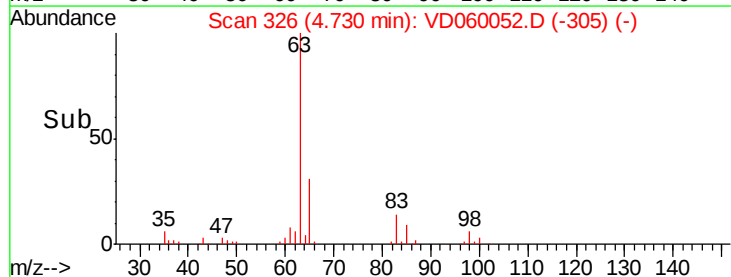
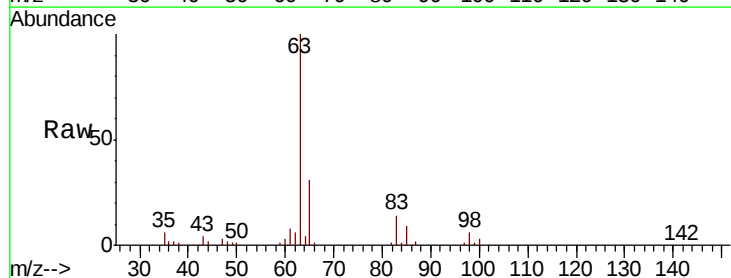
Tgt Ion: 63 Resp: 564087

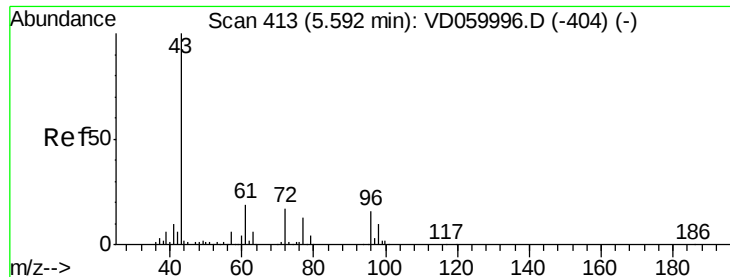
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 109.876 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

Tot Ion: 43 Resp: 672712

Ion Ratio Lower Upper

43 100

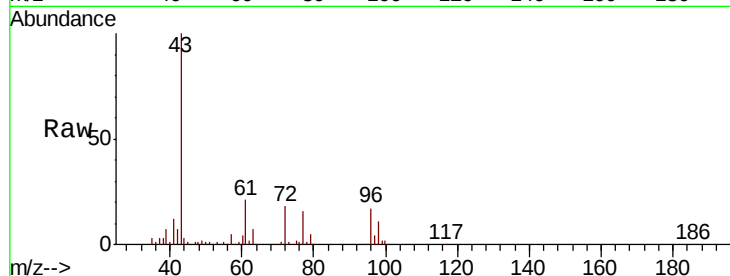
72 18.0 13.6 20.4

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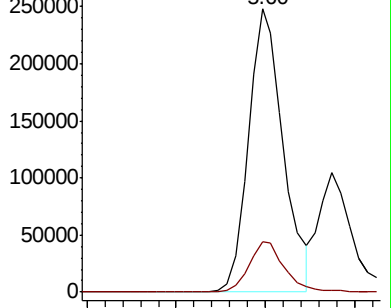
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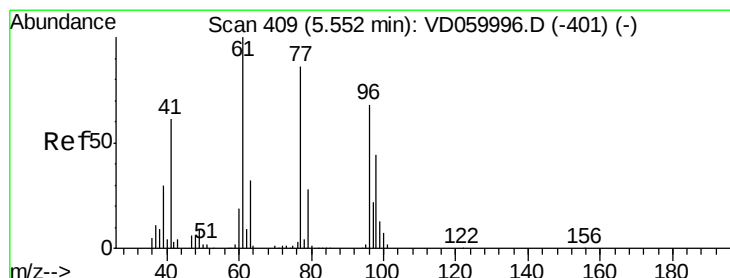
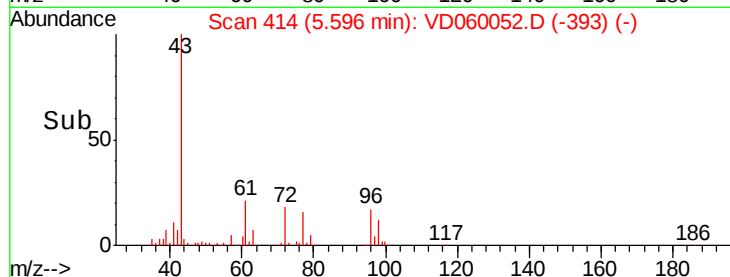


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.40 5.50 5.60 5.70



#26

2,2-Dichloropropane

Concen: 21.944 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060052.D

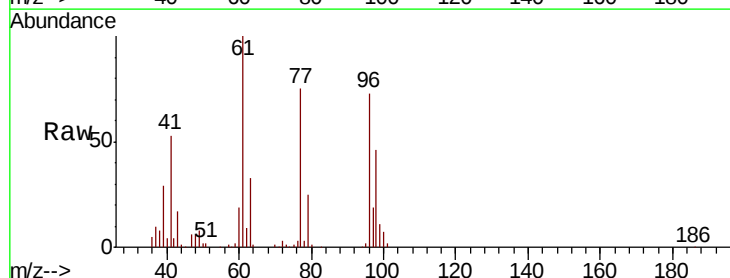
Acq: 20 Sep 2018 13:03

Tgt Ion: 77 Resp: 456662

Ion Ratio Lower Upper

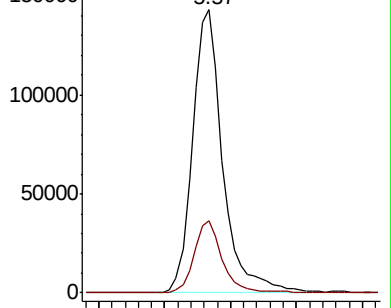
77 100

97 25.4 12.7 38.1

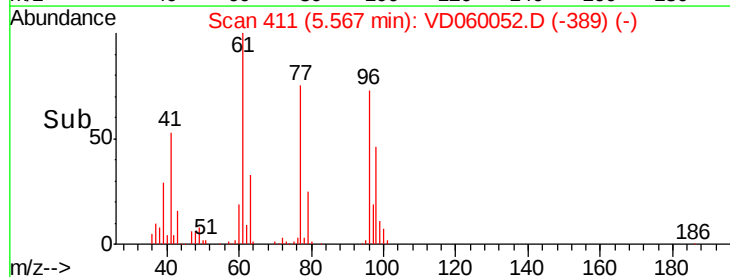


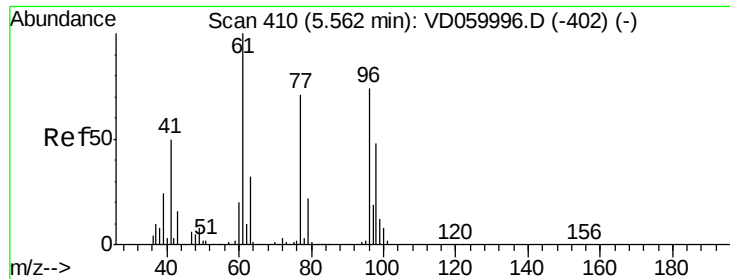
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.40 5.50 5.60 5.70





#27

cis-1,2-Dichloroethene

Concen: 21.525 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

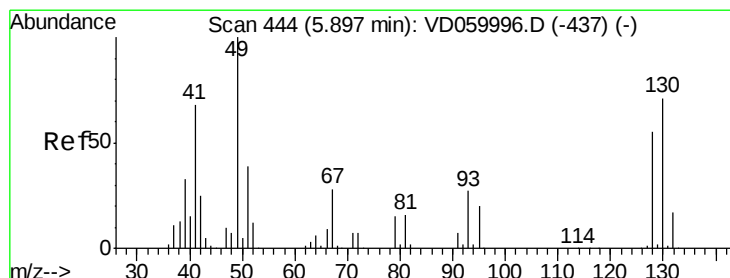
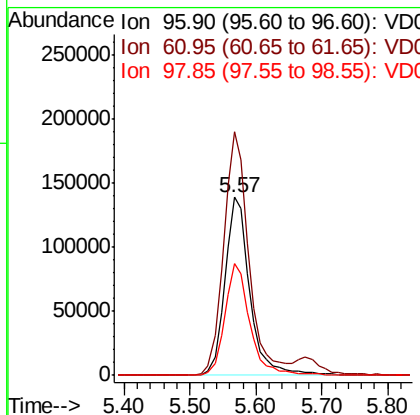
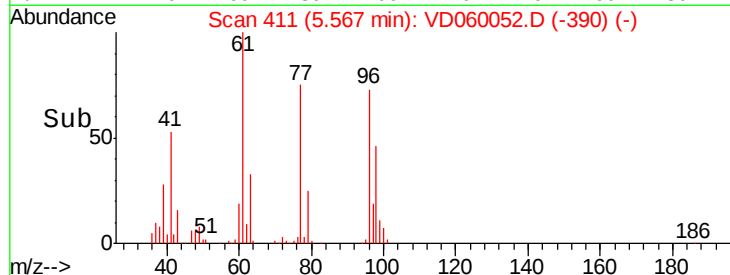
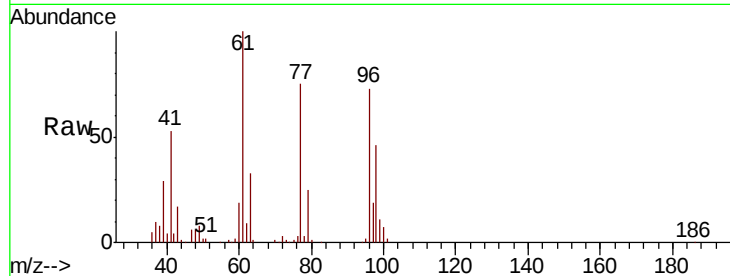
ClientSampleId :

VD0920SBS01

Tot Ion:	96	Resp:	366345
Ion Ratio	Lower	Upper	
96	100		
61	136.8	0.0	269.6
98	62.6	0.0	128.4

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#28

Bromochloromethane

Concen: 19.988 ug/l

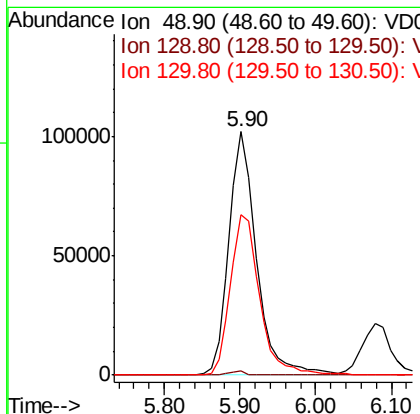
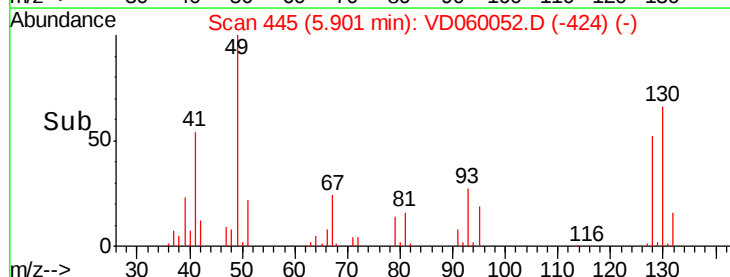
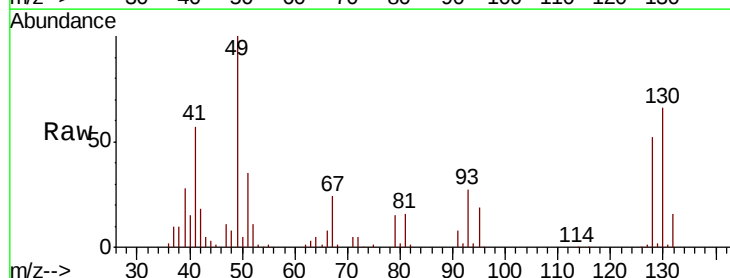
RT: 5.90 min Scan# 445

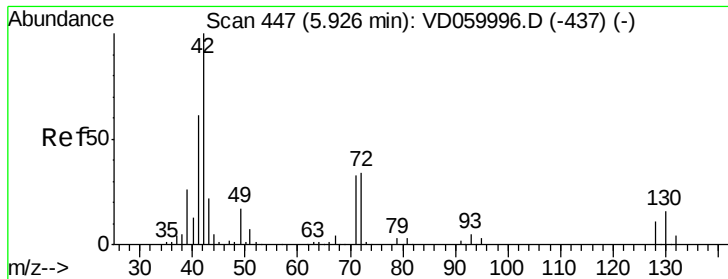
Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion:	49	Resp:	257170
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.6
130	66.1	57.1	85.7





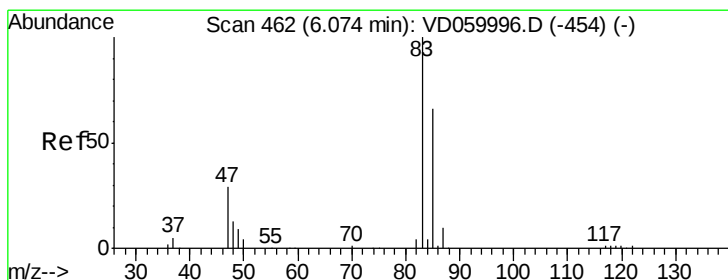
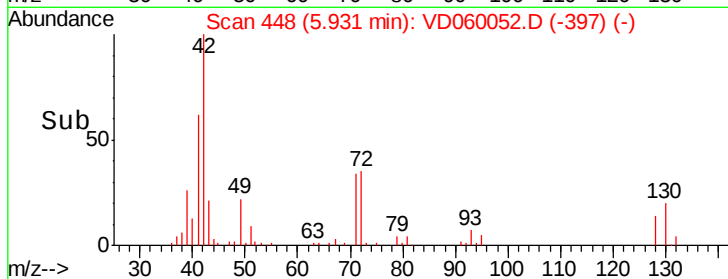
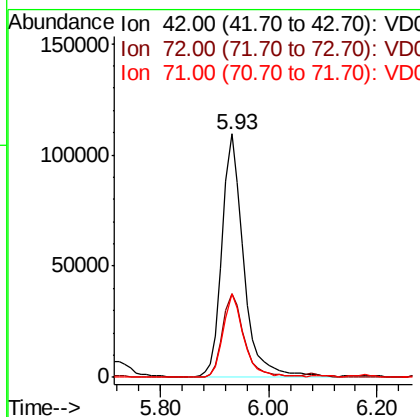
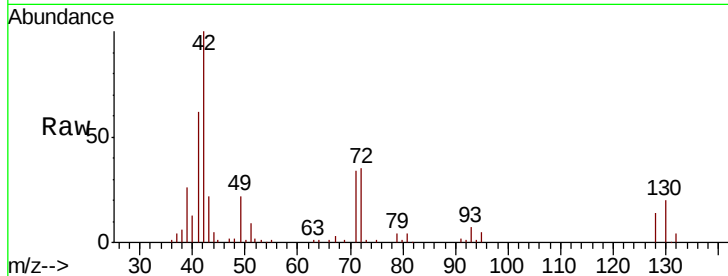
#29
Tetrahydrofuran
Concen: 91.147 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	26.9	40.3
71	33.2	26.2	39.4

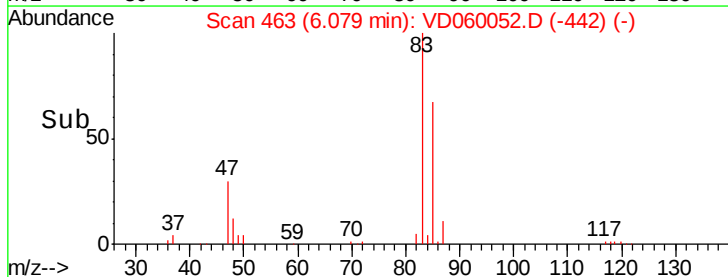
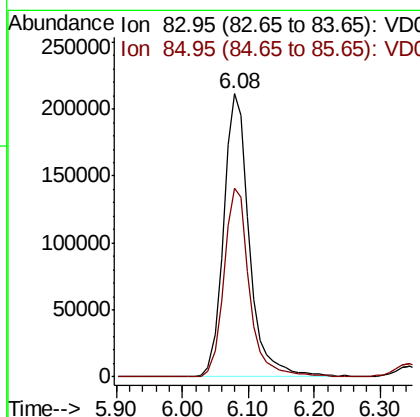
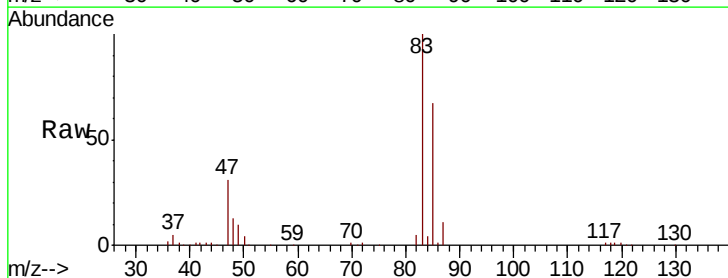
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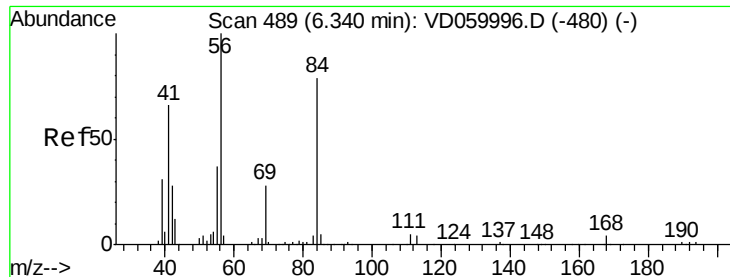
apatel
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#30
Chloroform
Concen: 21.168 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.6	78.8





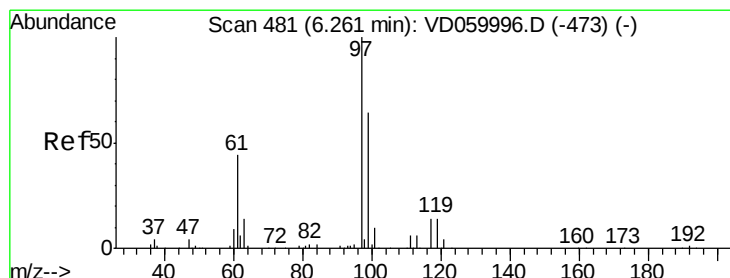
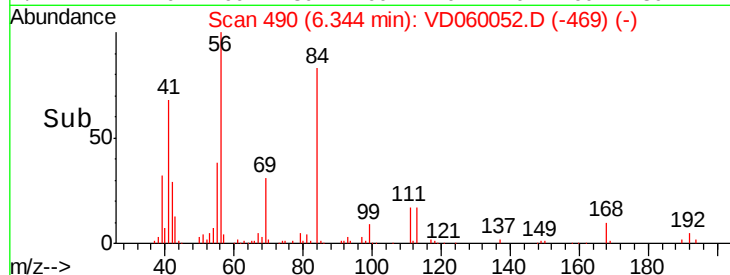
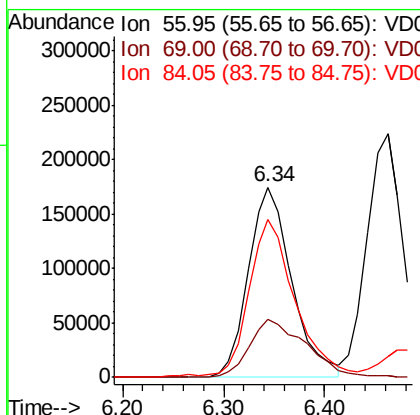
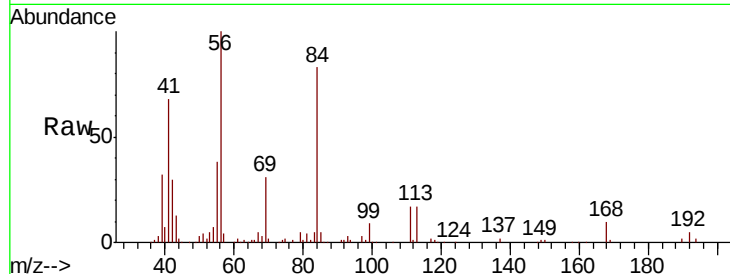
#31
Cvclohexane
Concen: 19.998 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	22.7	34.1
84	83.3	64.0	96.0

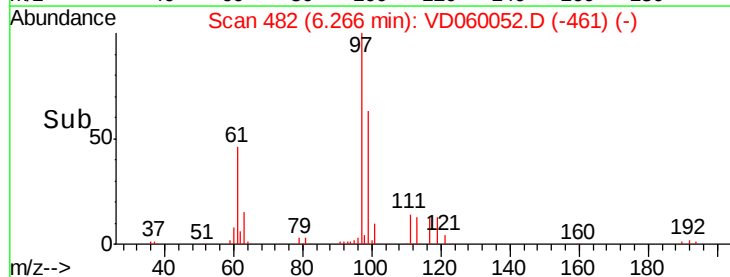
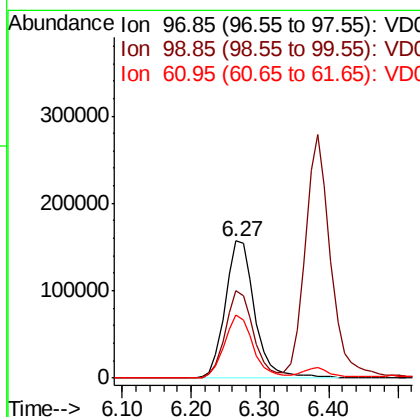
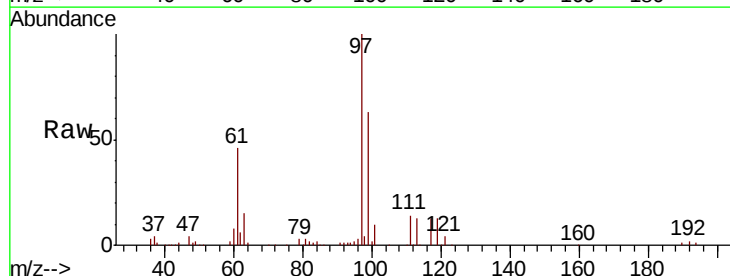
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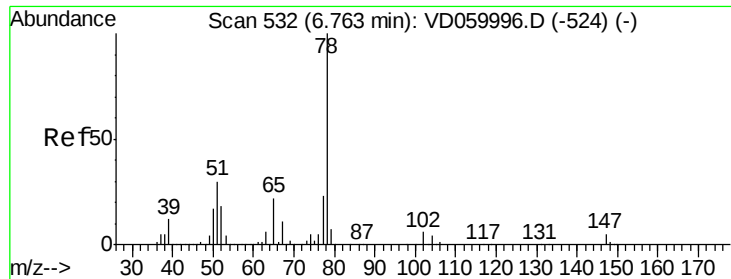
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#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	45.6	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 20.724 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 65 Resp: 577359

Ion Ratio Lower Upper

65 100

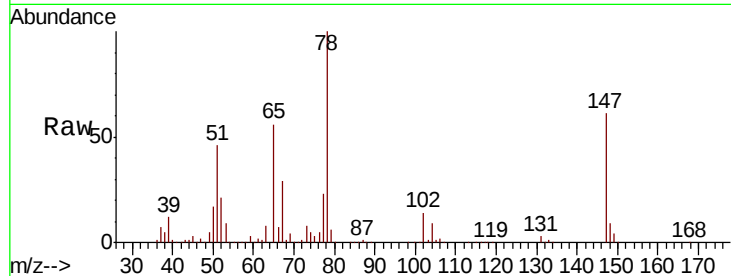
67 51.8 0.0 104.8

Manual Integrations

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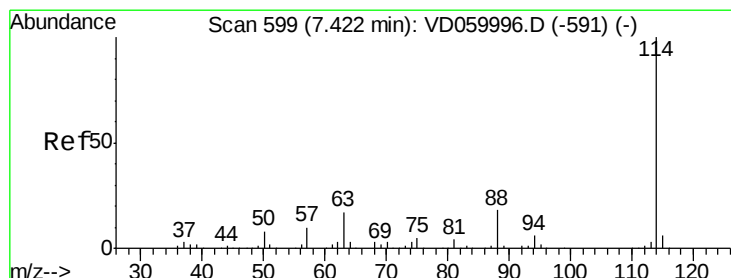
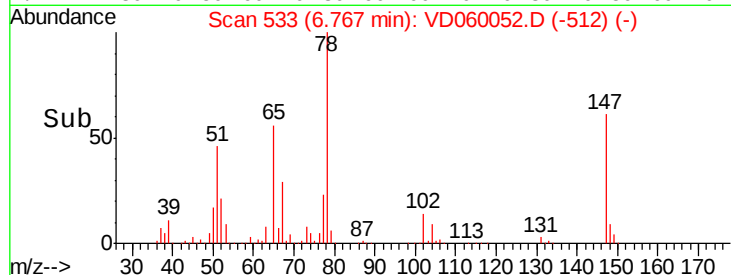
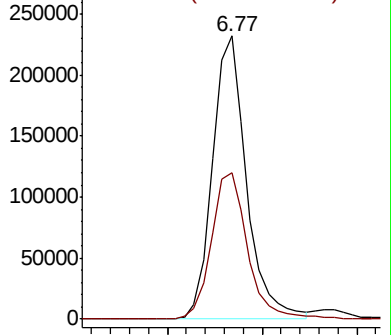
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

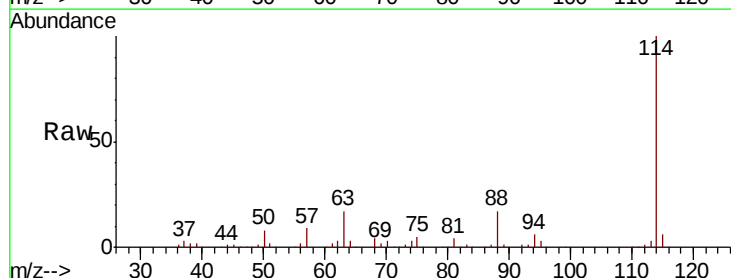
Tgt Ion: 114 Resp: 2069634

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

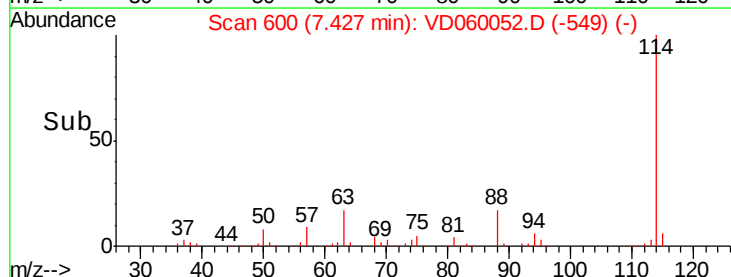
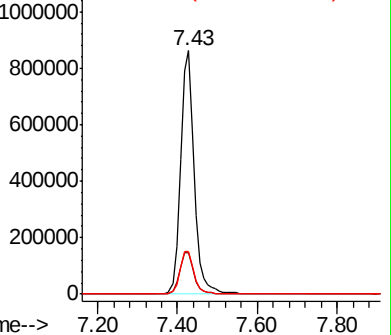
88 17.3 0.0 35.8

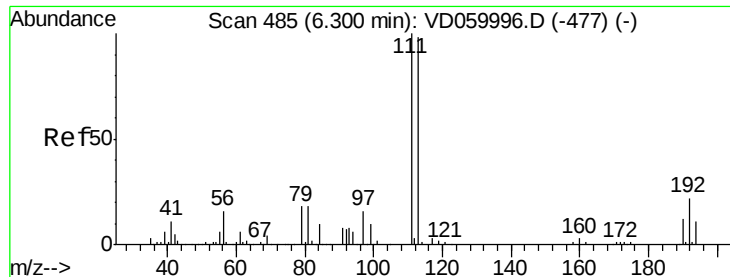


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





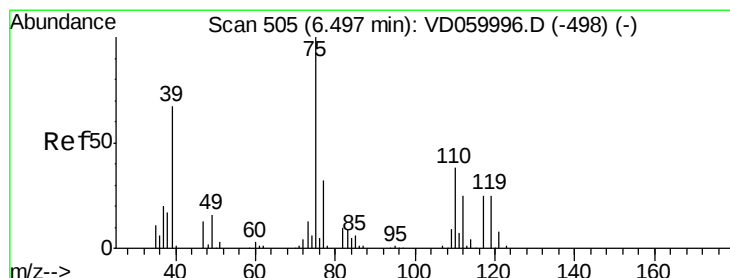
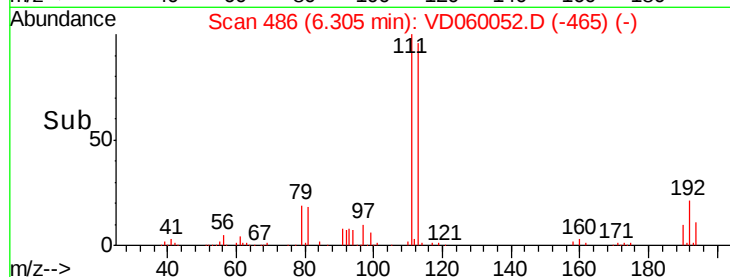
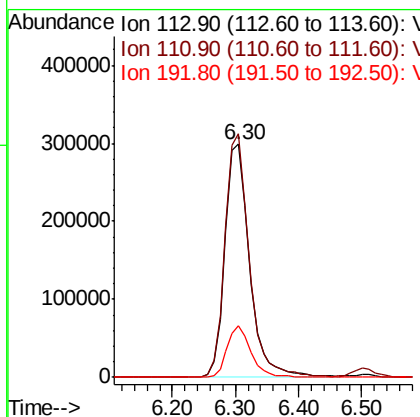
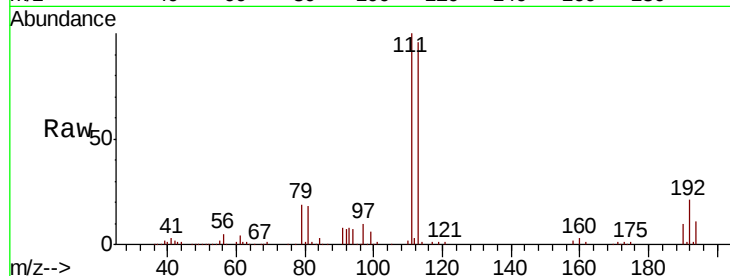
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	81.3	121.9	
192	22.4	18.1	27.1	

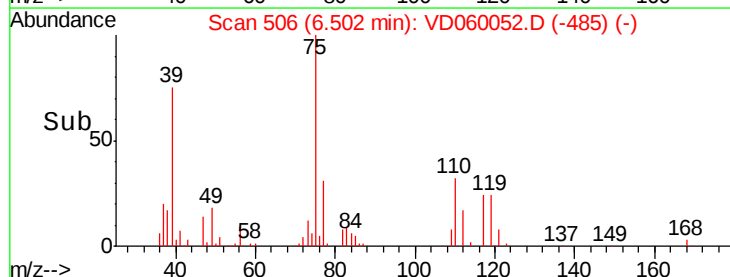
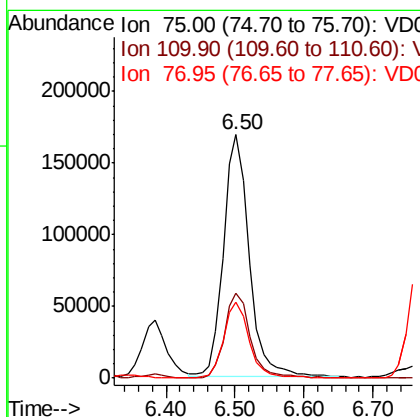
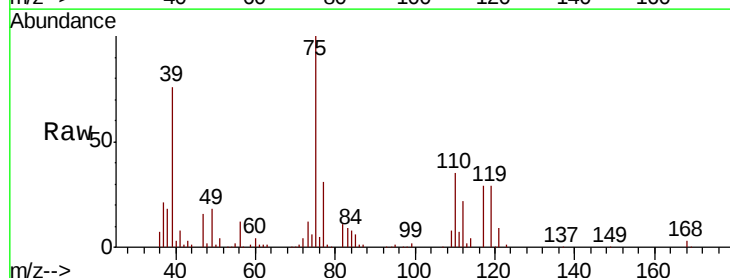
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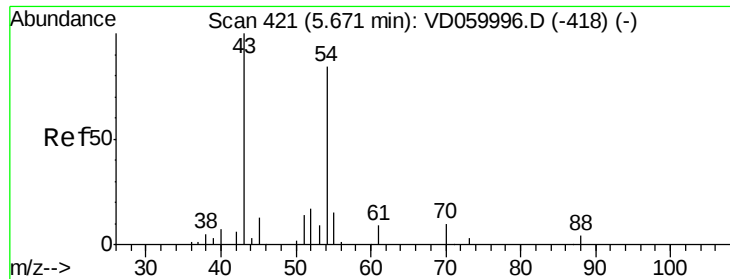
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.147 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	18.9	56.9	
77	31.2	25.3	37.9	





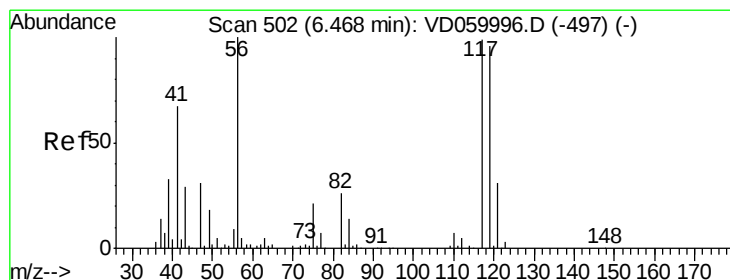
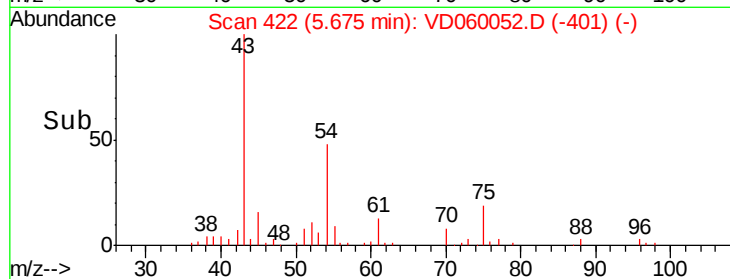
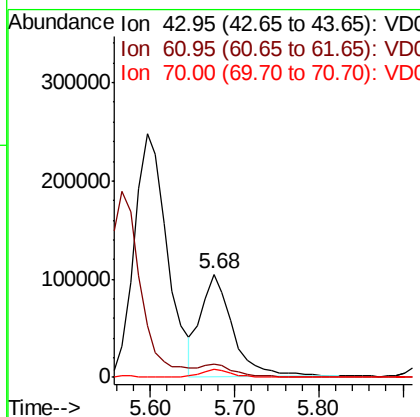
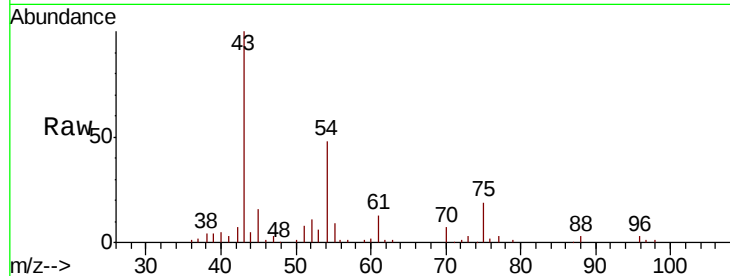
#37
Ethyl Acetate
Concen: 19.200 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	7.5	6.1	9.1

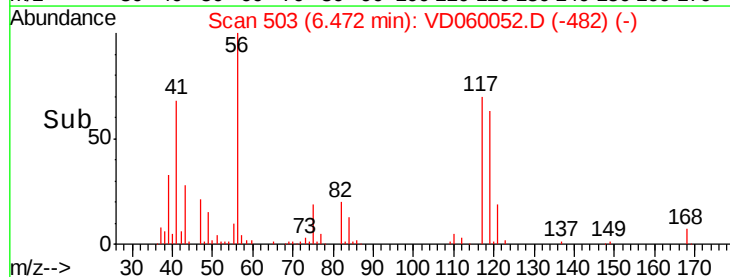
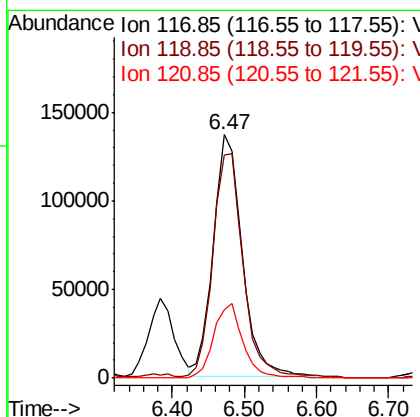
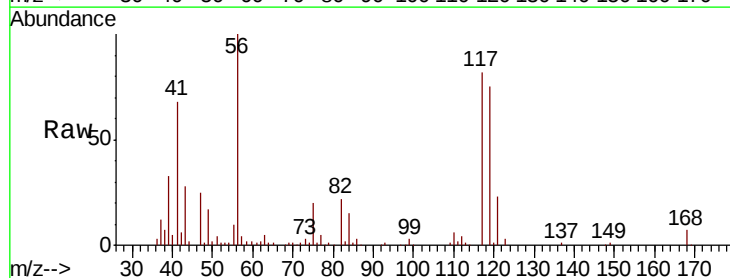
Manual Integrations
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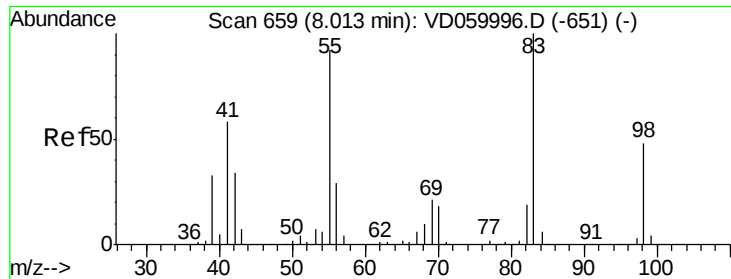
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#38
Carbon Tetrachloride
Concen: 19.937 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.7	115.1
121	28.2	24.9	37.3





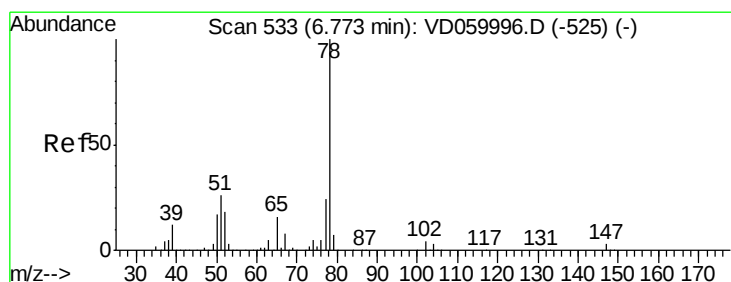
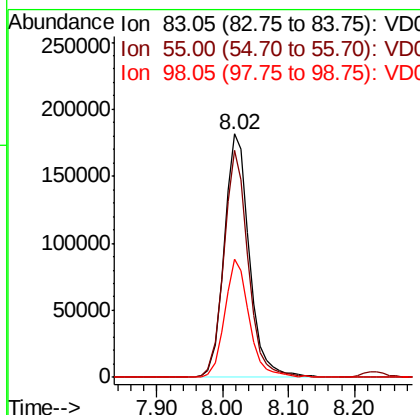
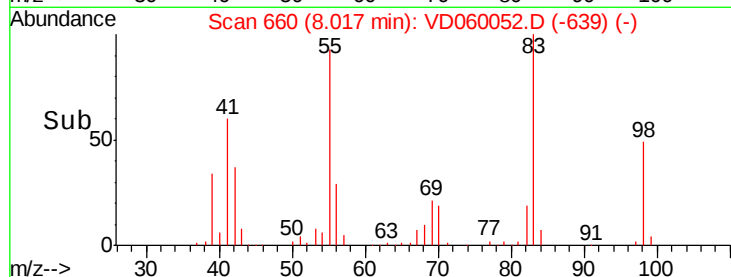
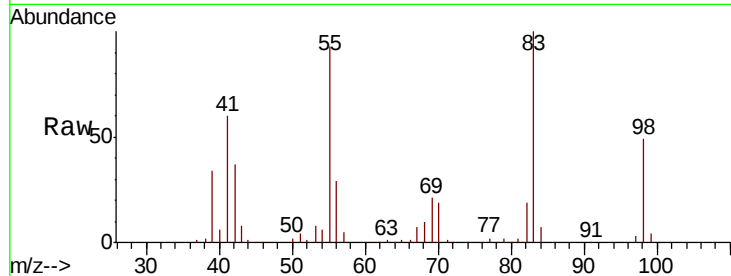
#39
Methvlcvclohexane
Concen: 20.814 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion	83	Resp	484056
Ion Ratio	100	Lower	Upper
83	100		
55	93.4	73.8	110.6
98	48.6	38.1	57.1

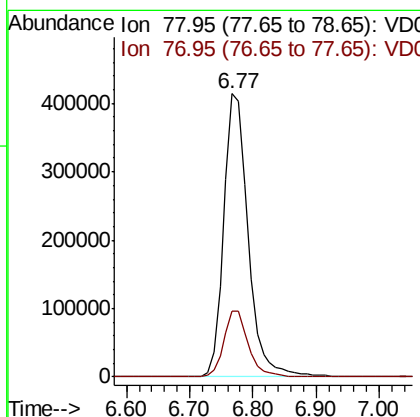
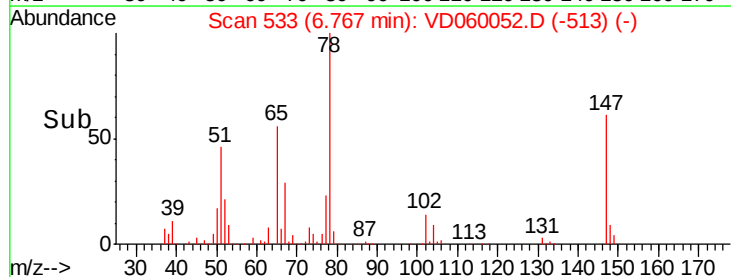
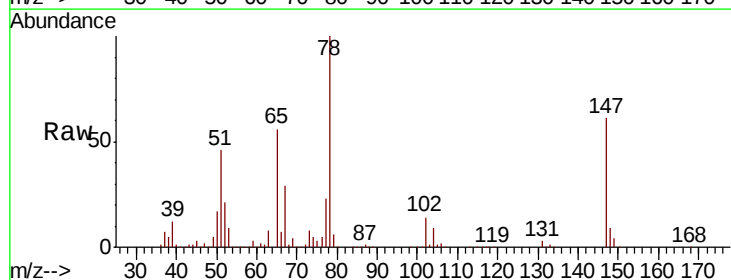
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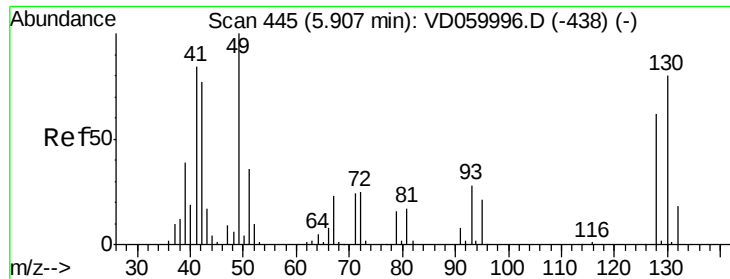
apatel
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#40
Benzene
Concen: 21.220 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	78	Resp	1111903
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41

Methacrylonitrile

Concen: 24.113 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 41 Resp: 178550
Ion Ratio Lower Upper

41 100

39 42.9 37.5 56.3

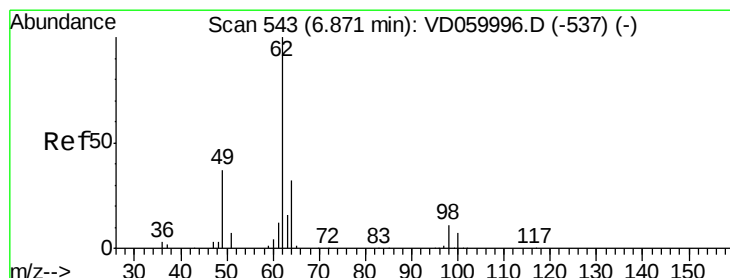
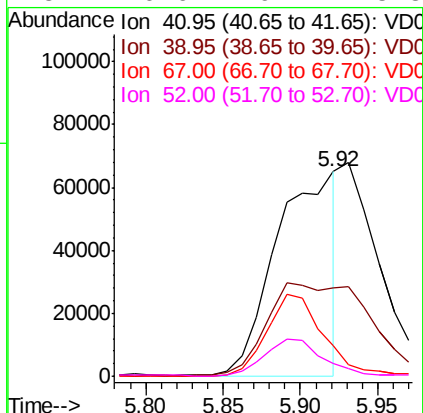
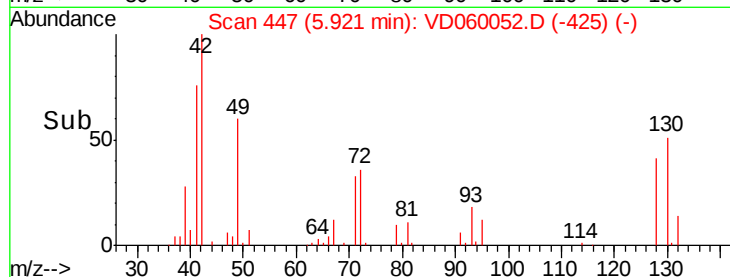
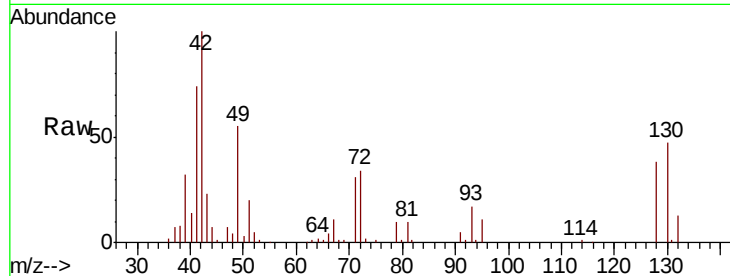
67 15.0 21.5 32.3#

52 6.6 9.2 13.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.489 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.00 min

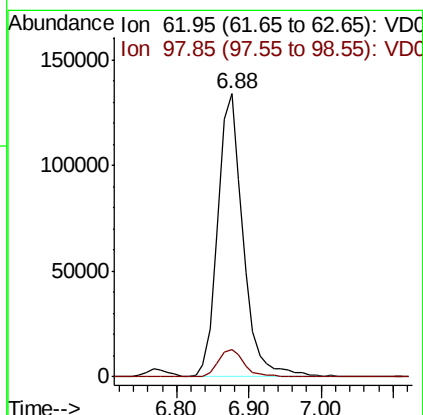
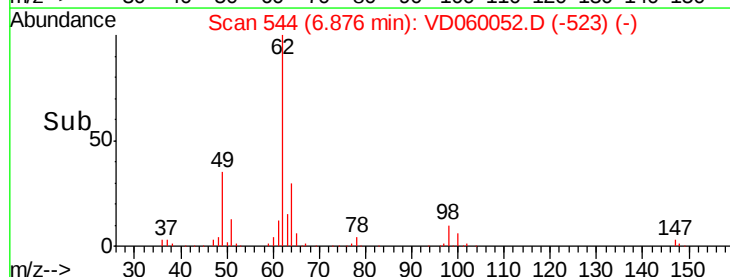
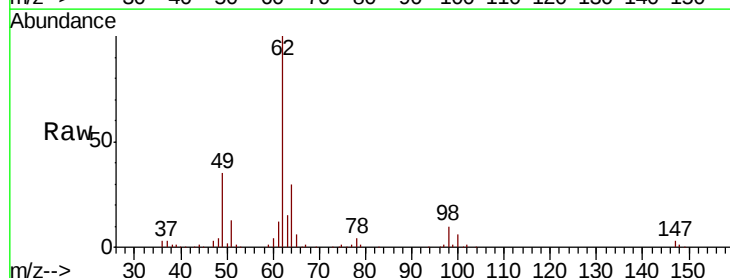
Lab File: VD060052.D

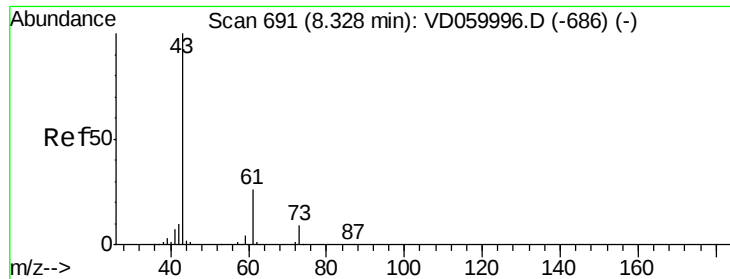
Acq: 20 Sep 2018 13:03

Tgt Ion: 62 Resp: 322365
Ion Ratio Lower Upper

62 100

98 9.9 0.0 21.4





#43

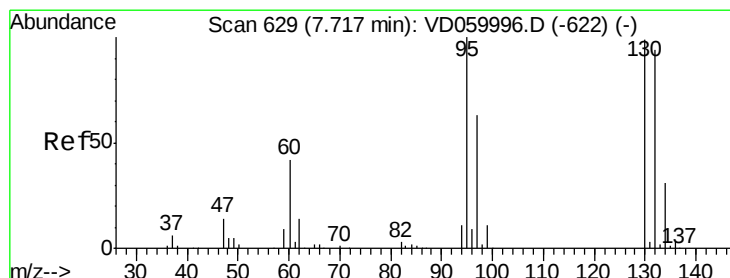
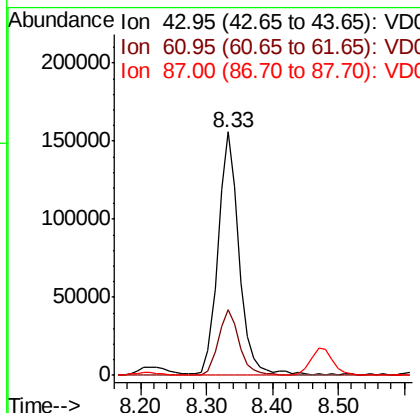
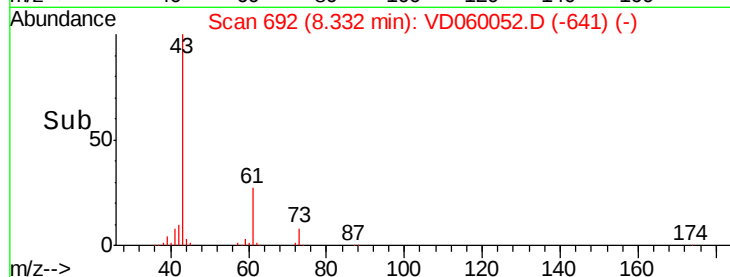
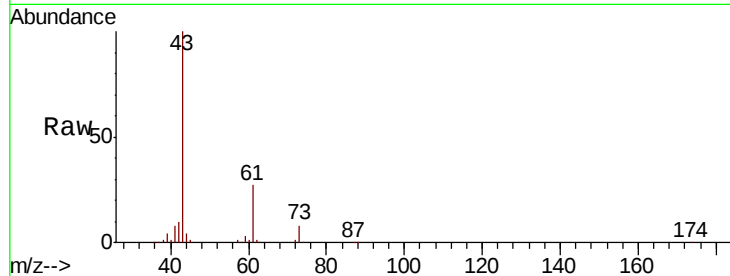
Isopropyl Acetate
 Concen: 18.020 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.0	31.6
87	0.3	0.2	0.2#

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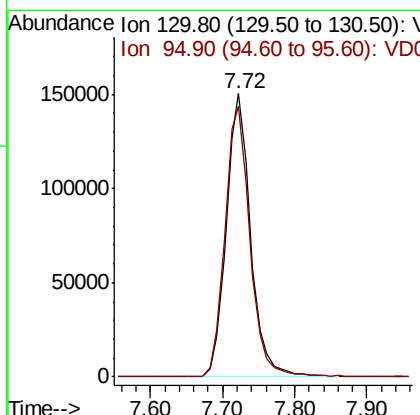
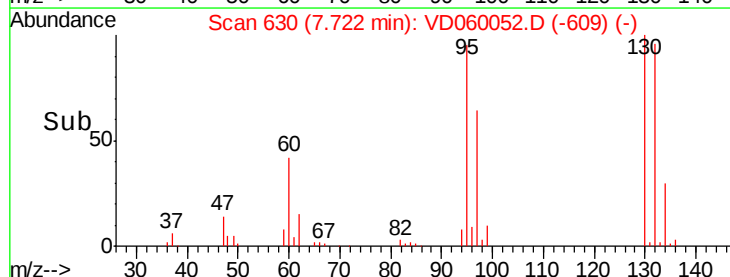
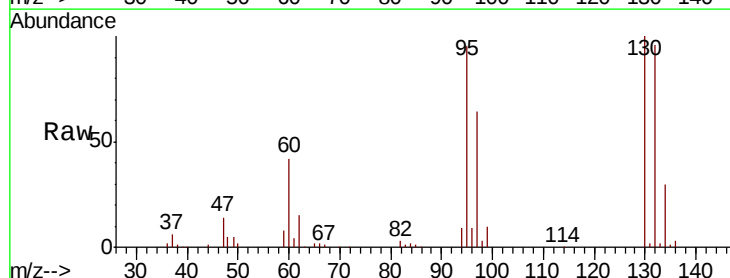
apatel
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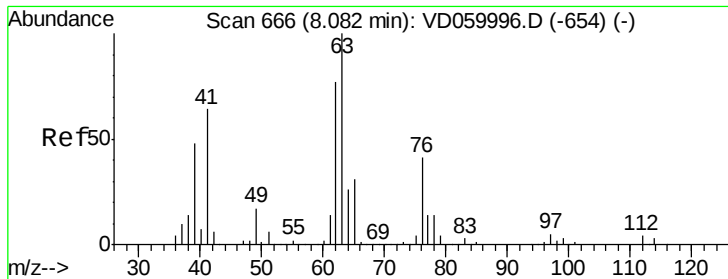


#44

Trichloroethene
 Concen: 21.654 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	202.0





#45

1,2-Dichloropropane

Concen: 21.136 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 63 Resp: 296144

Ion Ratio Lower Upper

63 100

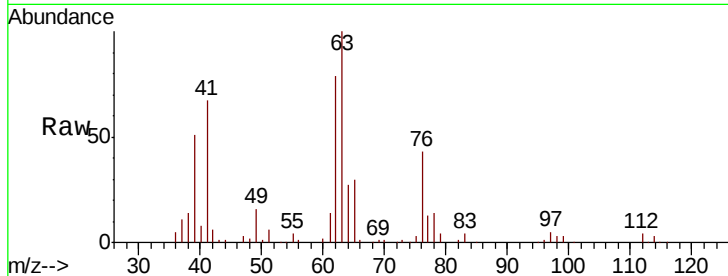
65 30.2 24.6 37.0

Manual Integrations

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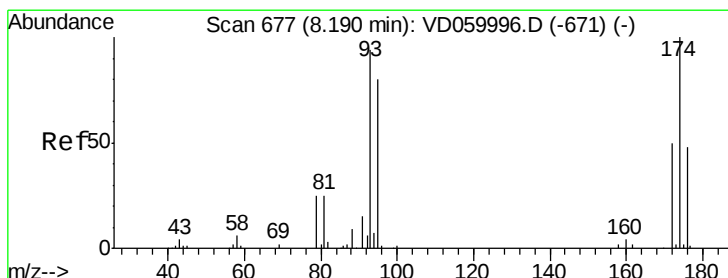
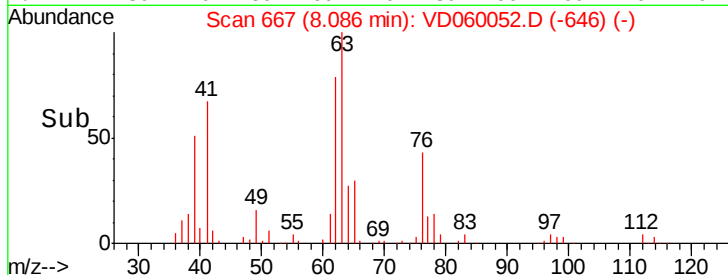
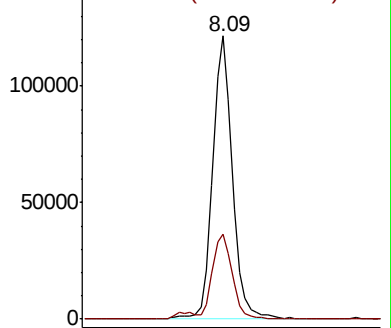
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.660 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

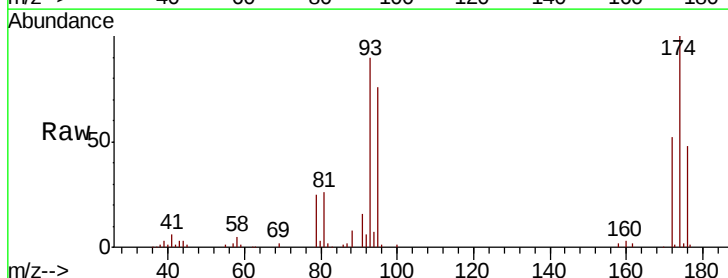
Tgt Ion: 93 Resp: 179730

Ion Ratio Lower Upper

93 100

95 84.4 68.0 102.0

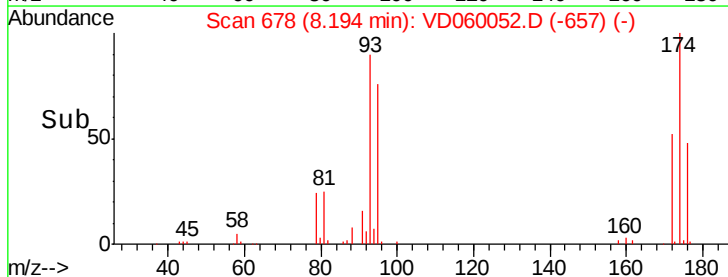
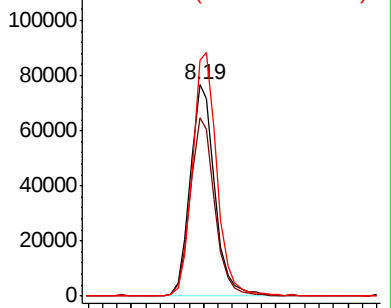
174 111.4 85.4 128.2

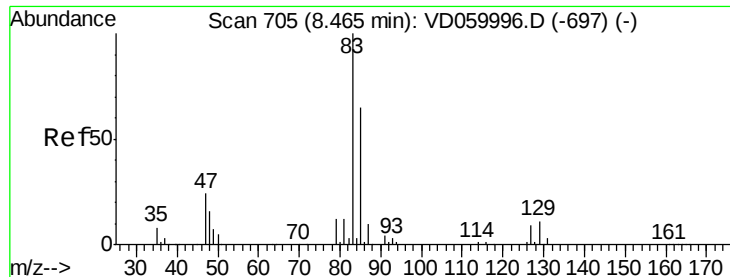


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.872 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

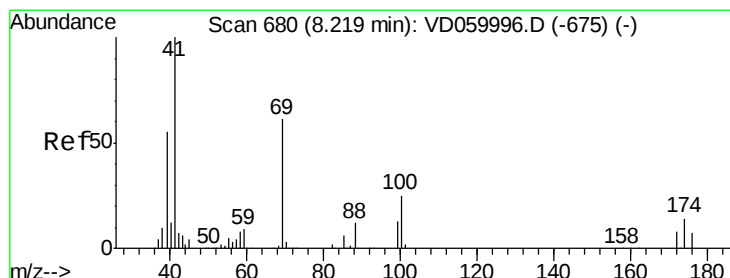
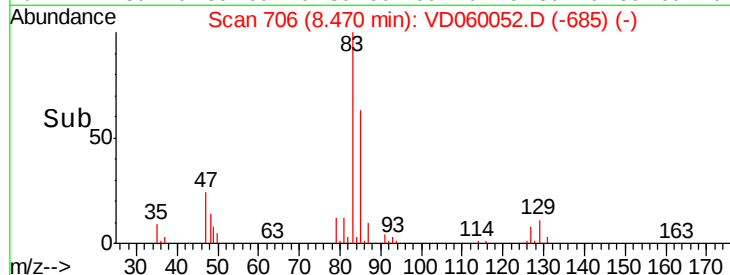
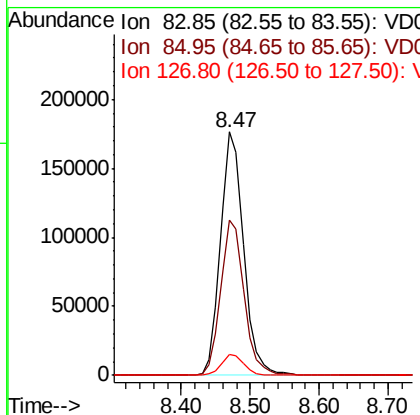
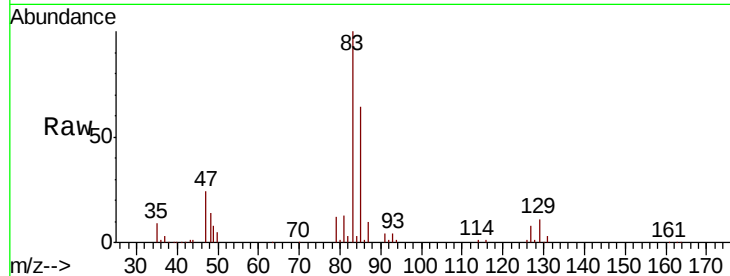
ClientSampleId :

VD0920SBS01

Tot Ion:	83	Resp:	411399
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9
127	8.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 19.005 ug/l

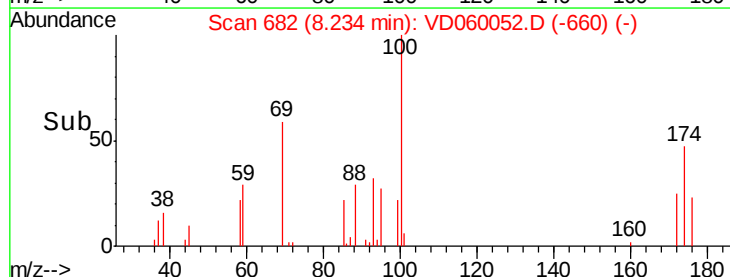
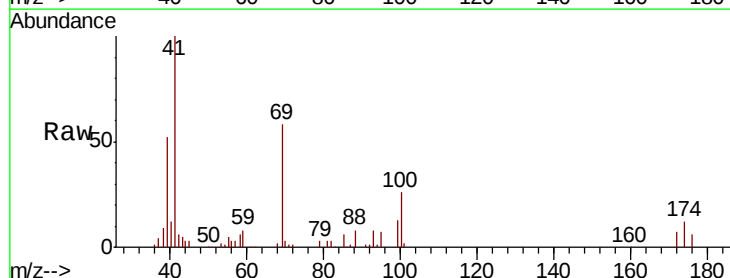
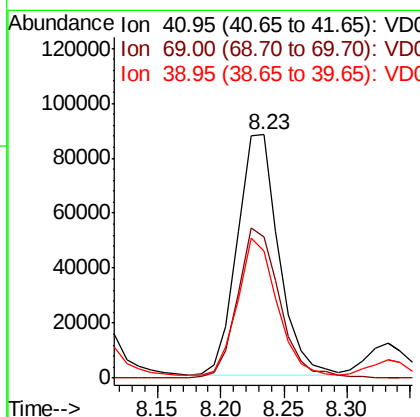
RT: 8.23 min Scan# 682

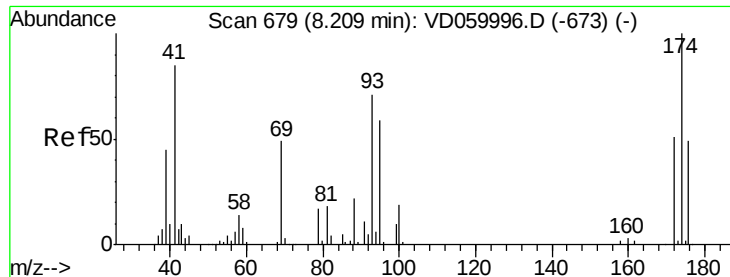
Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion:	41	Resp:	200363
Ion	Ratio	Lower	Upper
41	100		
69	57.9	48.3	72.5
39	52.3	44.1	66.1





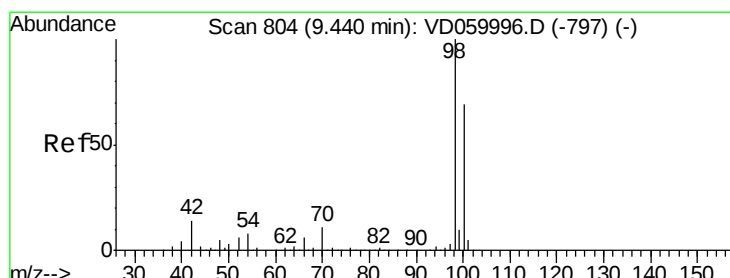
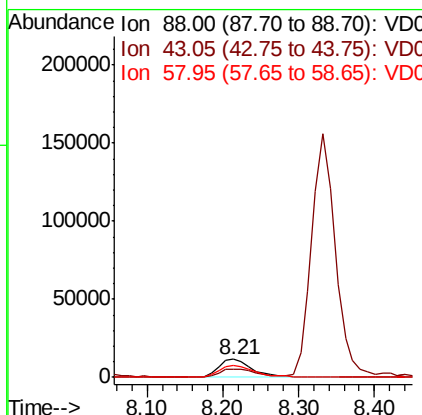
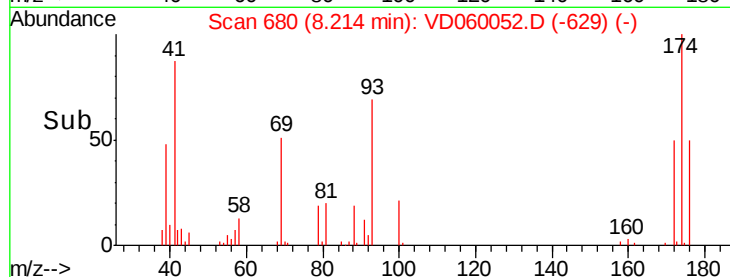
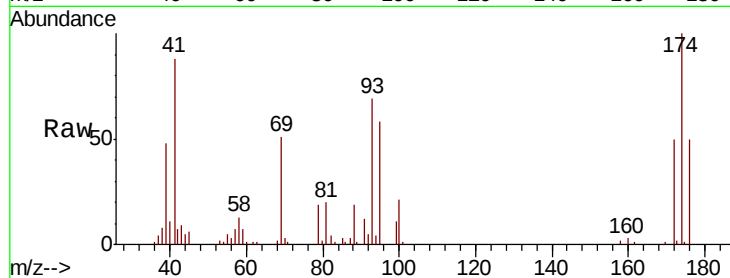
#49
1,4-Dioxane
Concen: 350.348 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.8	36.2	54.2
58	66.9	51.0	76.6

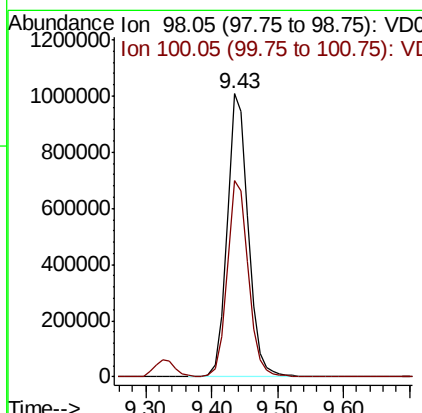
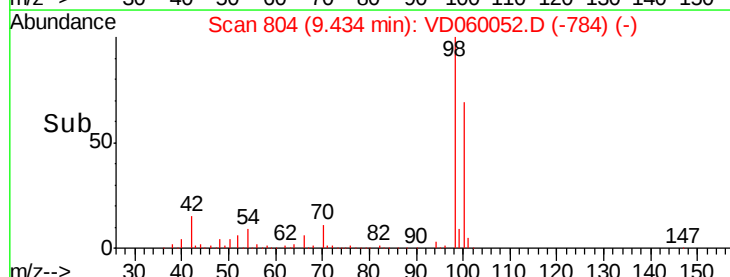
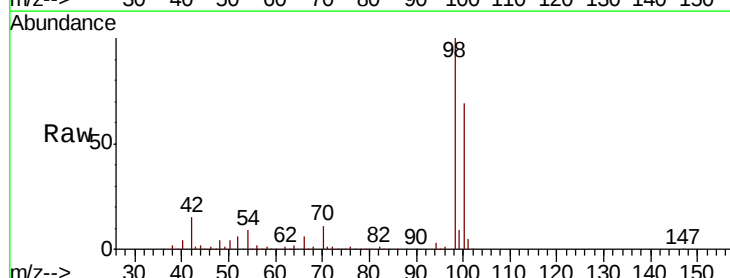
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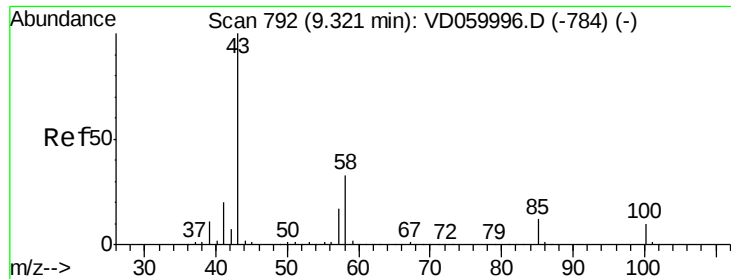
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#50
Toluene-d8
Concen: 350.348 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 99.305 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 43 Resp: 1388291

Ion Ratio Lower Upper

43 100

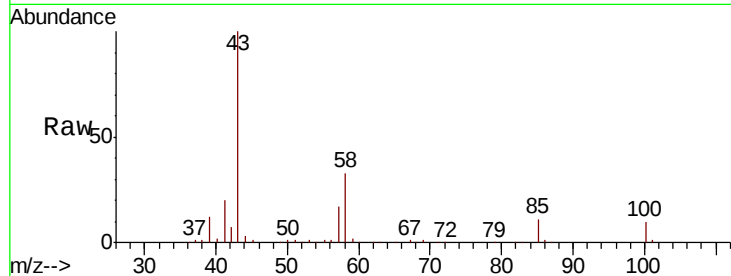
58 33.3 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

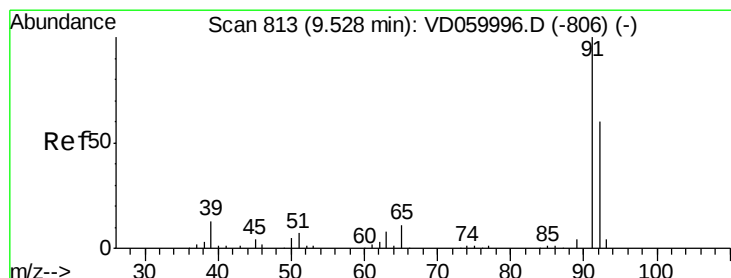
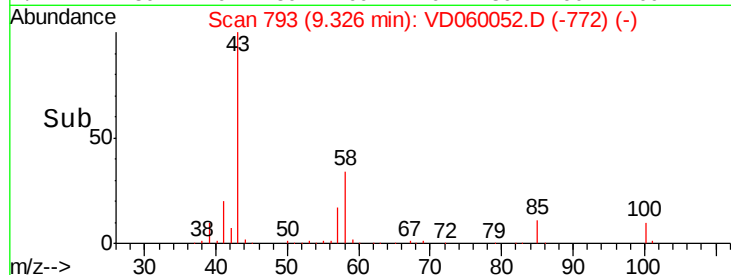
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 21.480 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060052.D

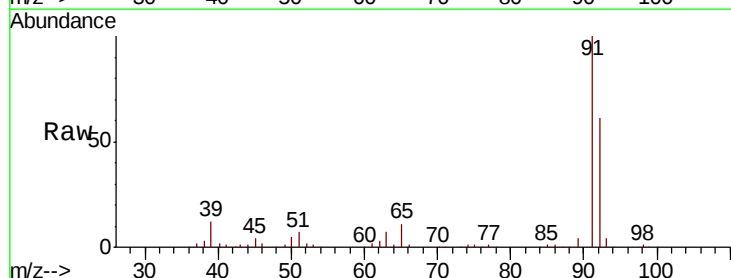
Acq: 20 Sep 2018 13:03

Tgt Ion: 92 Resp: 721449

Ion Ratio Lower Upper

92 100

91 165.2 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

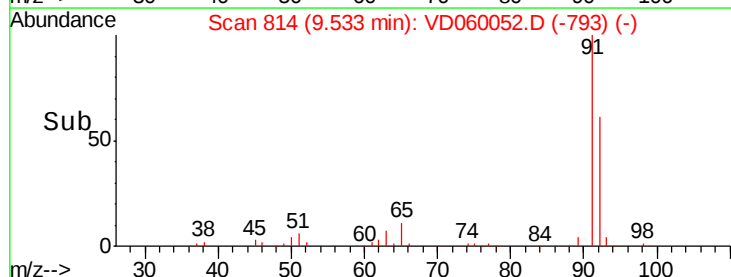
300000

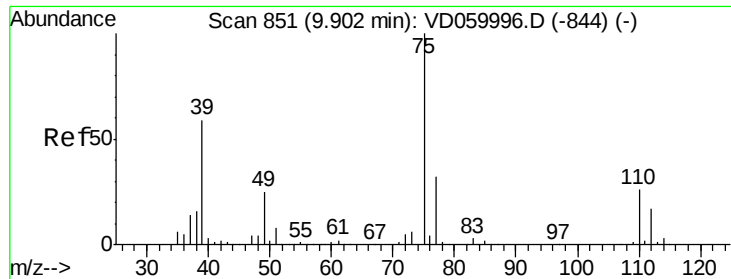
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.170 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 75 Resp: 370778

Ion Ratio Lower Upper

75 100

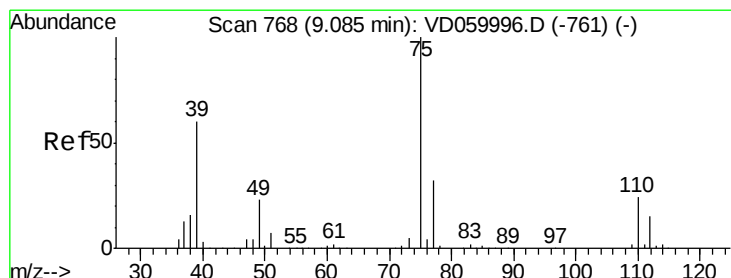
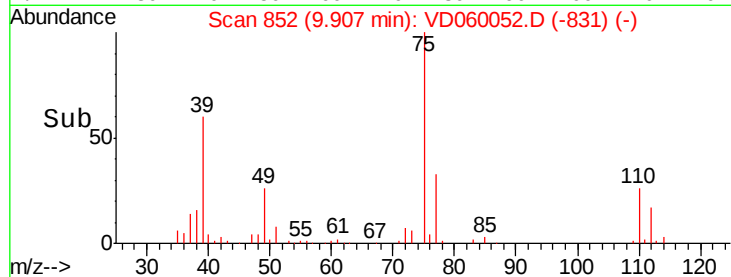
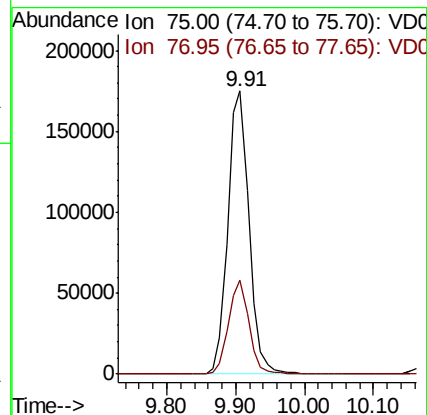
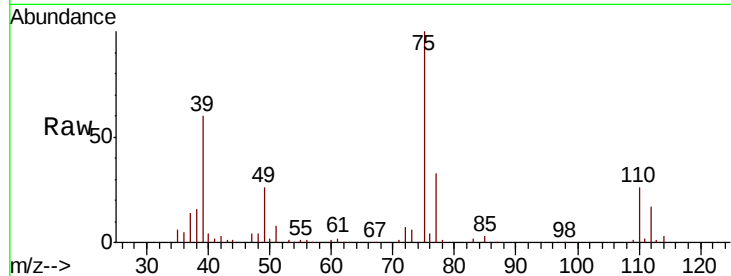
77 33.1 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.551 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

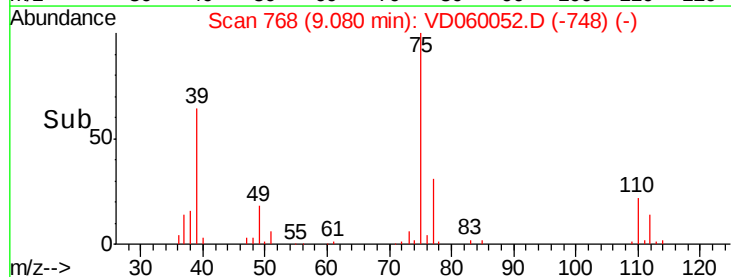
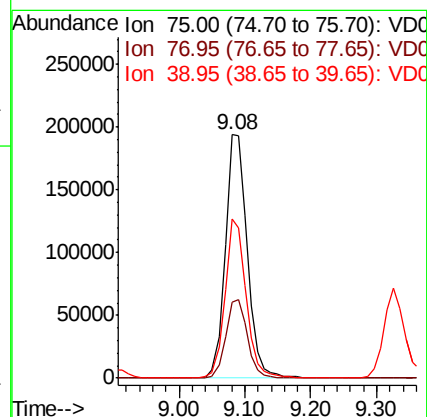
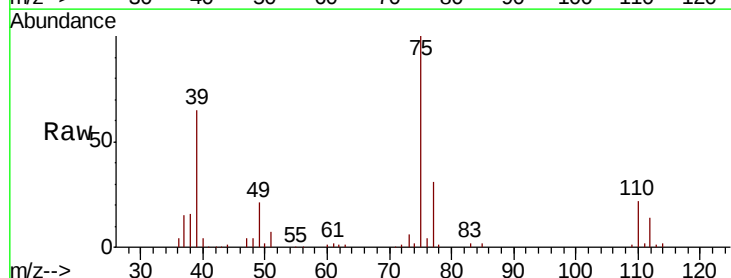
Tgt Ion: 75 Resp: 451372

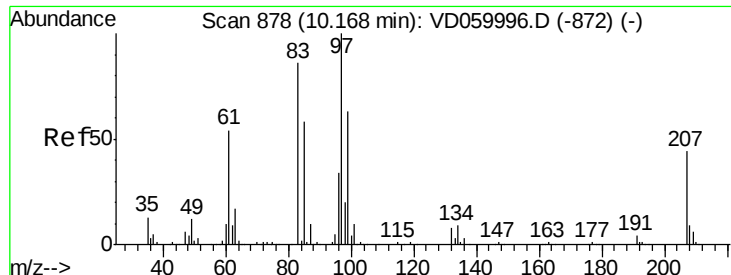
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 65.2 48.0 72.0





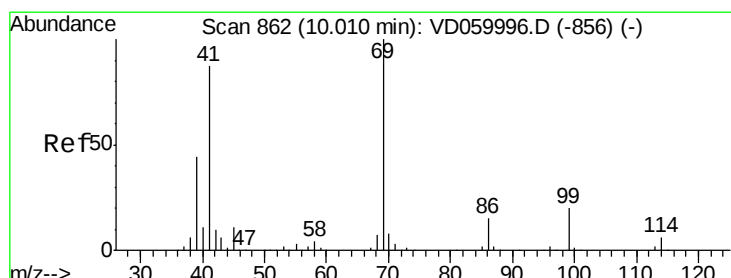
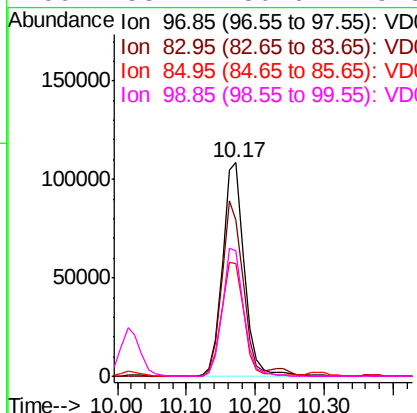
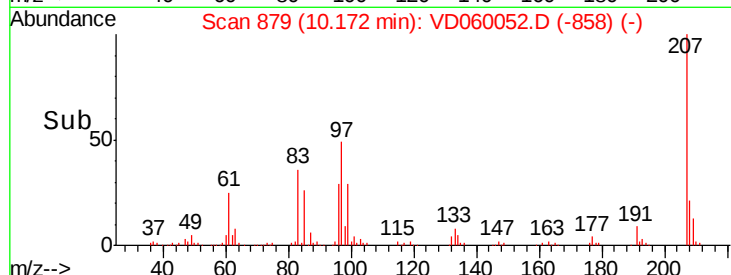
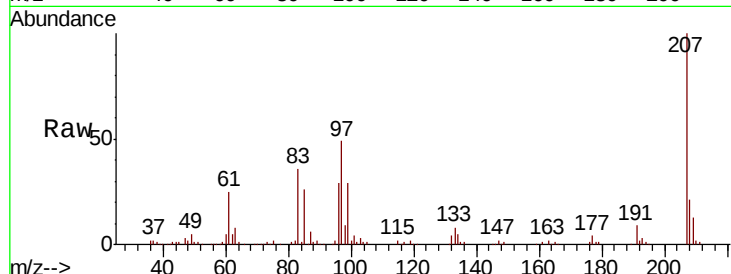
#55
 1,1,2-Trichloroethane
 Concen: 20.256 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		236208		
83	73.3	69.1	103.7		
85	53.1	46.2	69.4		
99	58.7	50.6	75.8		

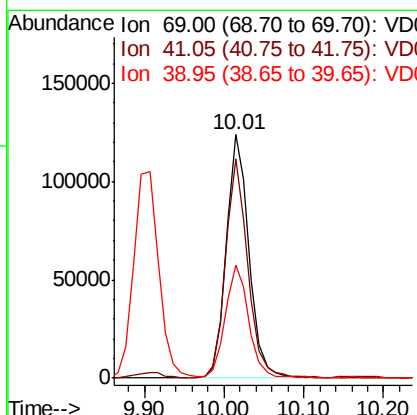
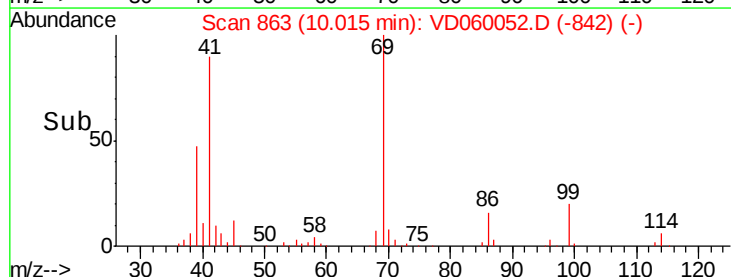
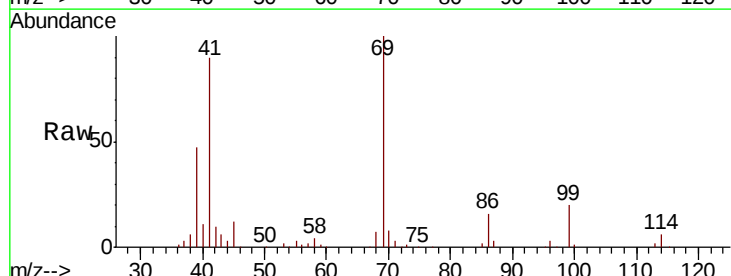
Manual Integrations
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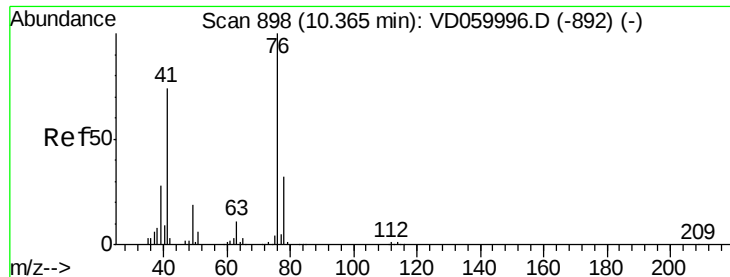
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#56
 Ethyl methacrylate
 Concen: 19.192 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		248244		
41	90.2	70.1	105.1		
39	46.5	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 20.551 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 76 Resp: 353755

Ion Ratio Lower Upper

76 100

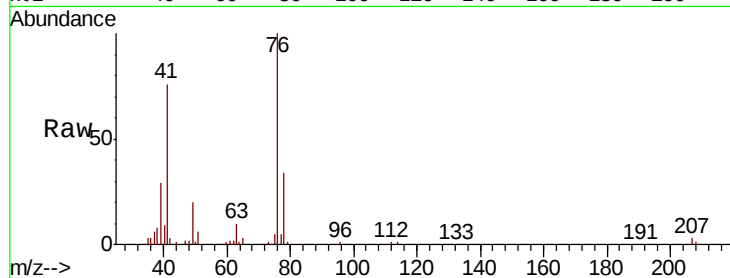
78 33.5 25.3 37.9

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

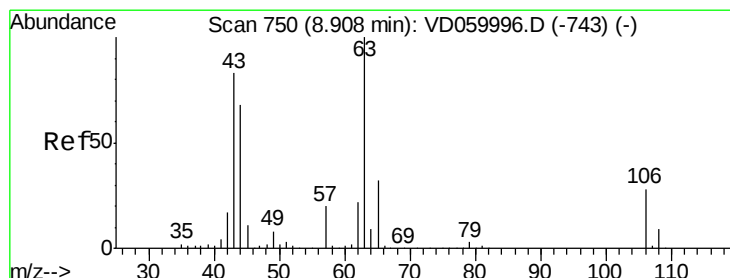
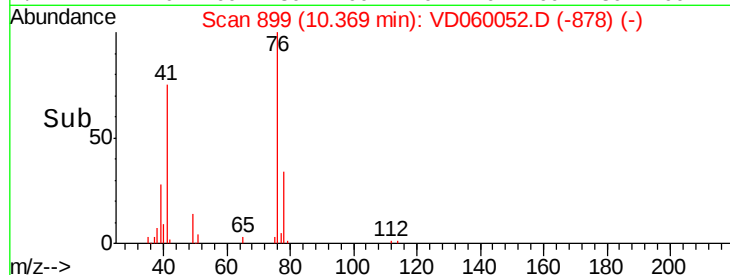
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.019 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD060052.D

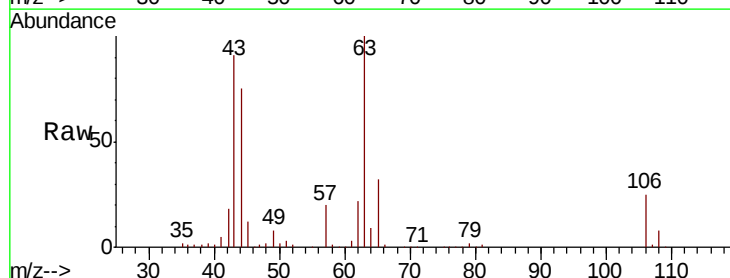
Acq: 20 Sep 2018 13:03

Tgt Ion: 63 Resp: 662194

Ion Ratio Lower Upper

63 100

106 24.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.90

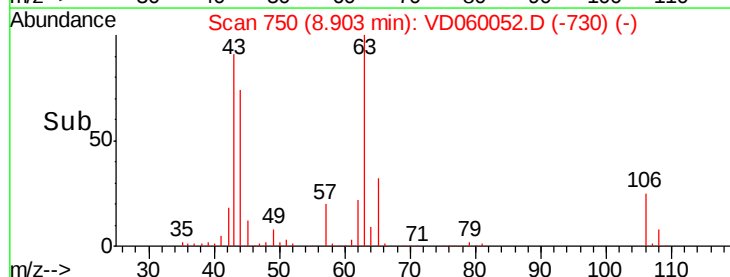
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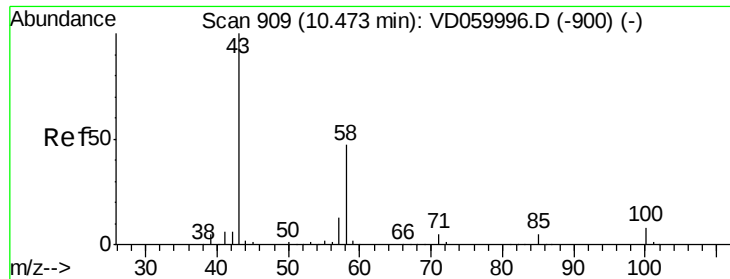
200000

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Time-->





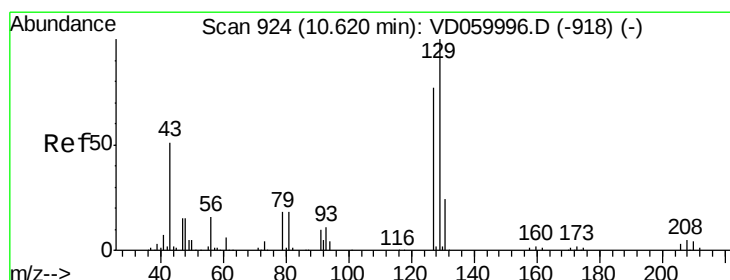
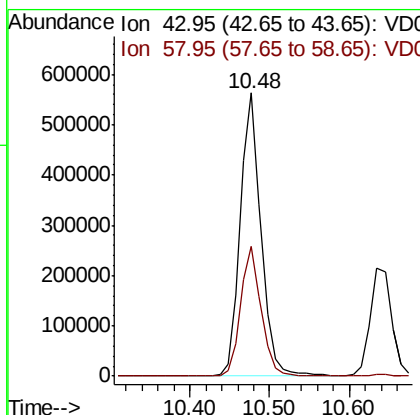
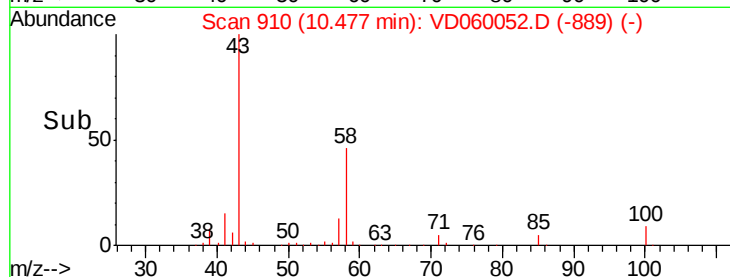
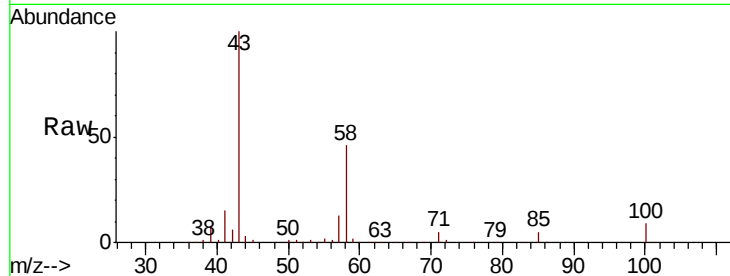
#59
2-Hexanone
Concen: 101.156 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion: 43 Resp: 1017781
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.0

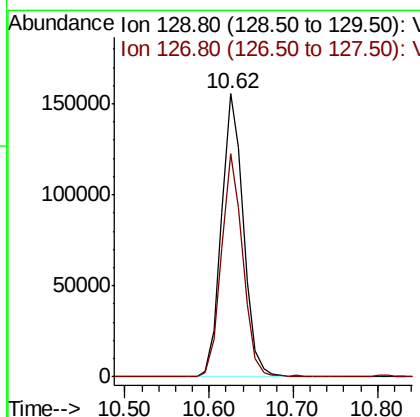
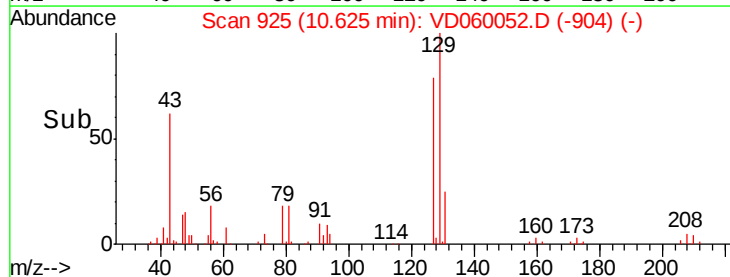
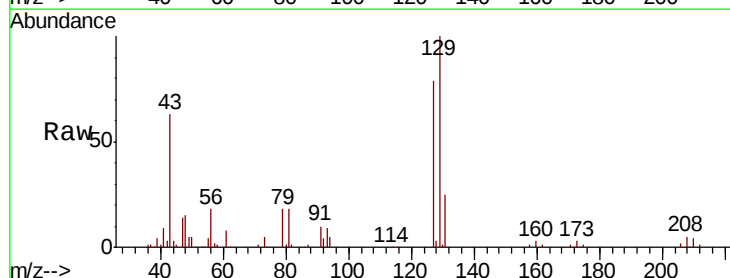
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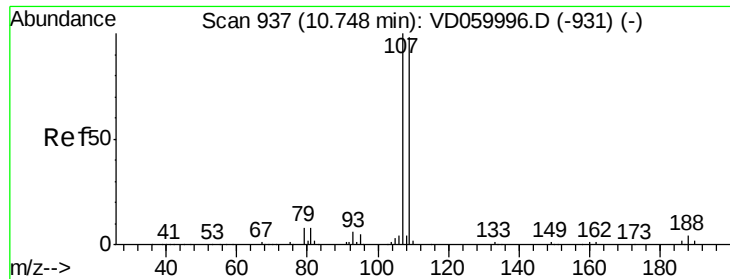
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#60
Dibromochloromethane
Concen: 19.809 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 129 Resp: 281160
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.907 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

Tot Ion:107 Resp: 239690

Ion Ratio Lower Upper

107 100

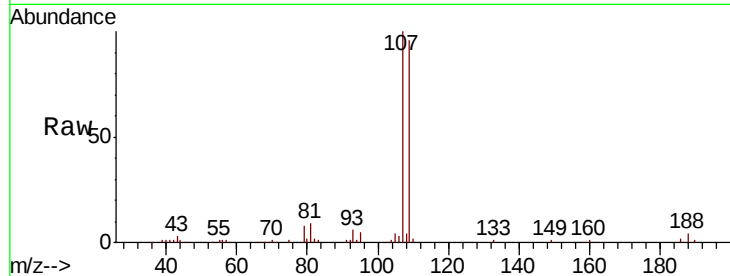
109 95.9 78.2 117.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

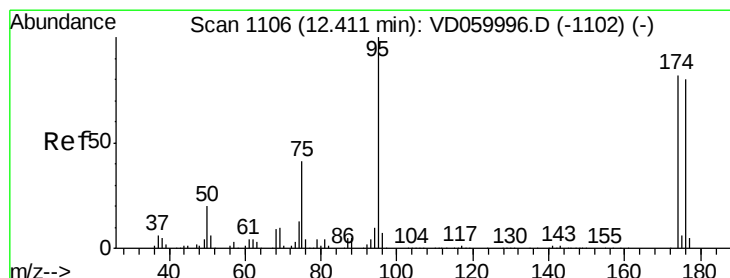
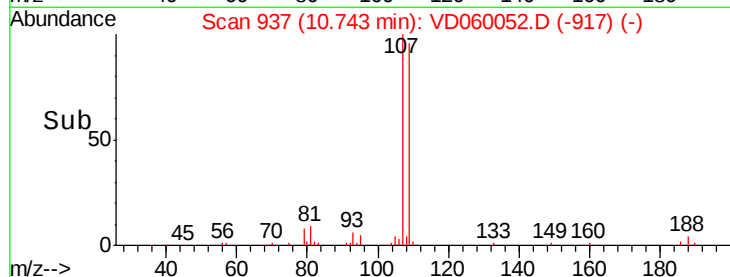
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.907 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

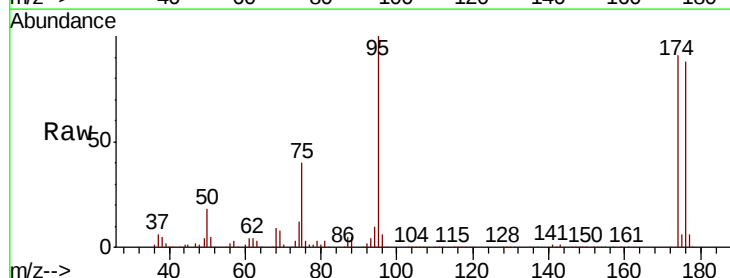
Tgt Ion: 95 Resp: 870670

Ion Ratio Lower Upper

95 100

174 91.4 0.0 165.0

176 87.9 0.0 160.2



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

800000

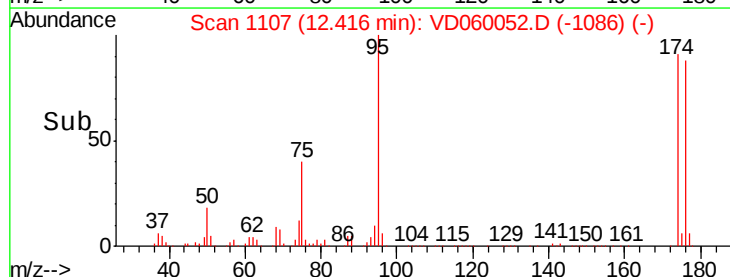
600000

400000

200000

0

Time-->





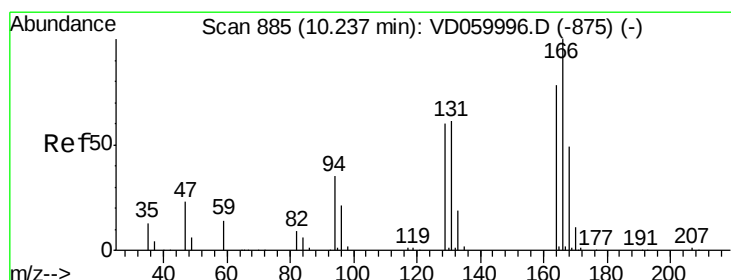
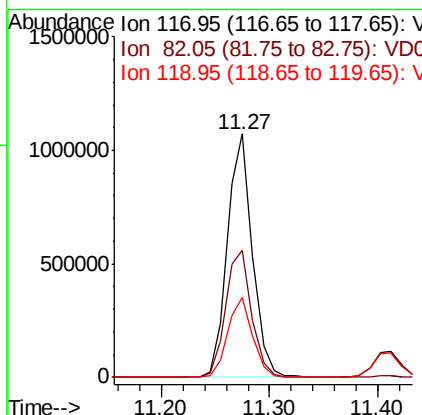
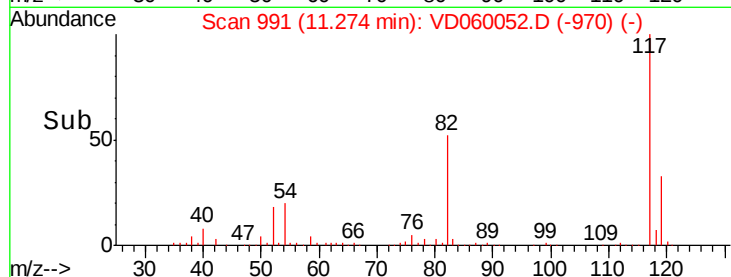
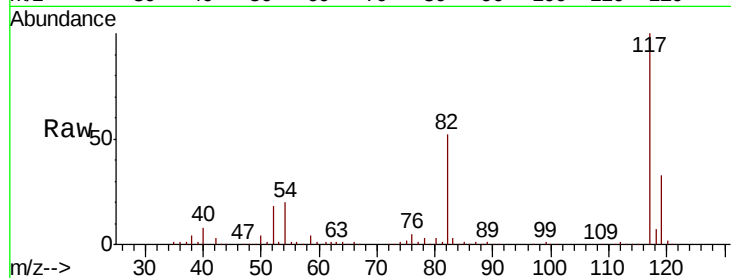
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion:117 Resp: 1717227
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 32.5 26.0 39.0

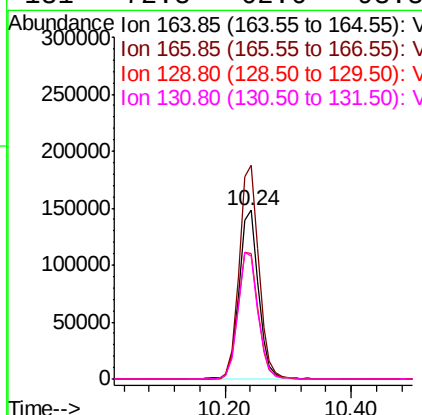
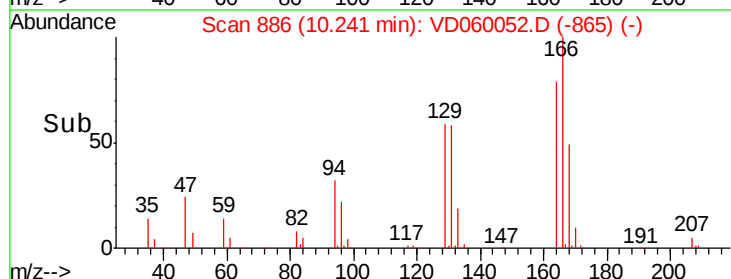
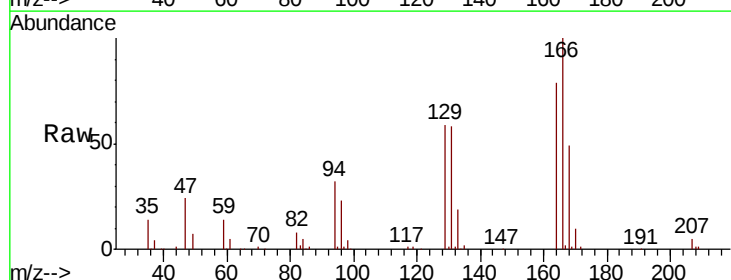
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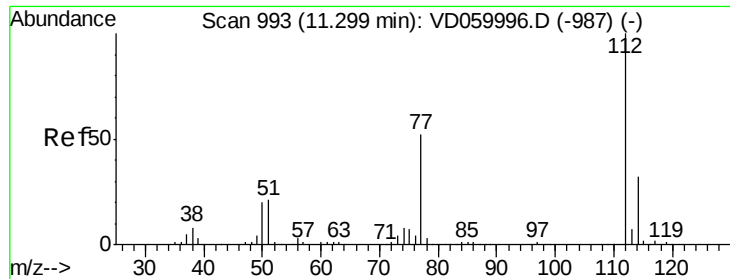
apatel
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#64
Tetrachloroethene
Concen: 20.612 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion:164 Resp: 312292
Ion Ratio Lower Upper
164 100
166 126.5 103.0 154.6
129 74.4 61.9 92.9
131 72.8 62.6 93.8





#65

Chlorobenzene

Concen: 21.263 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion:112 Resp: 785041

Ion Ratio Lower Upper

112 100

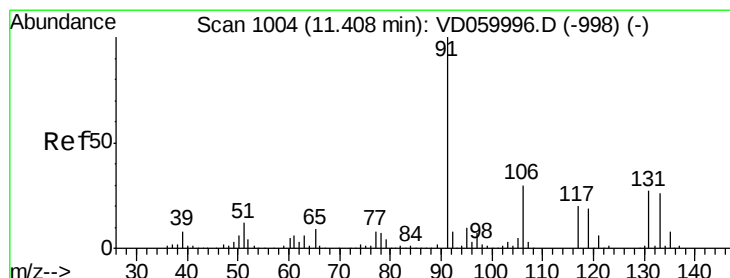
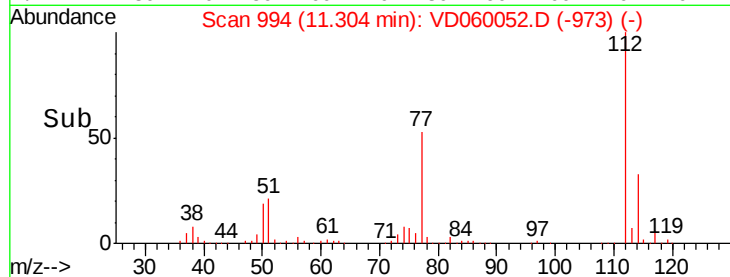
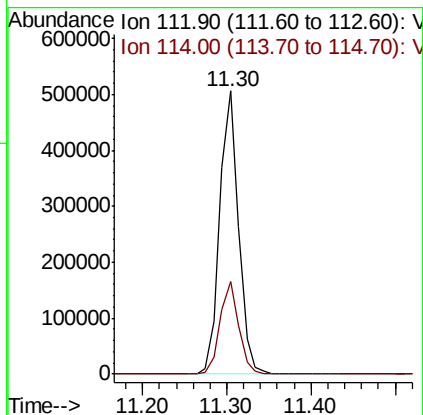
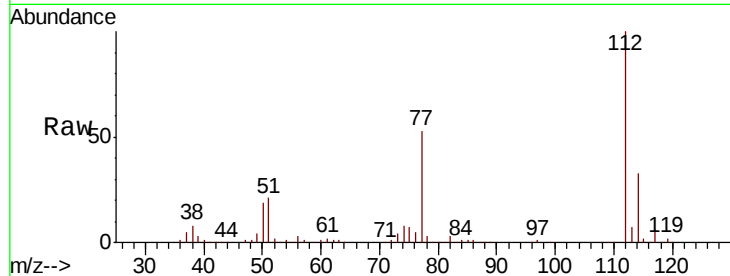
114 32.8 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.862 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

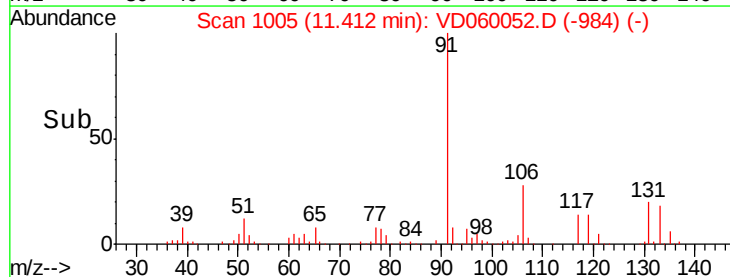
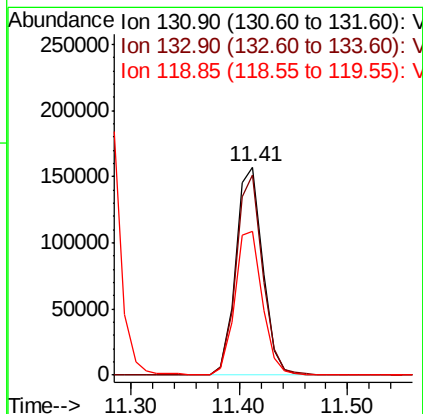
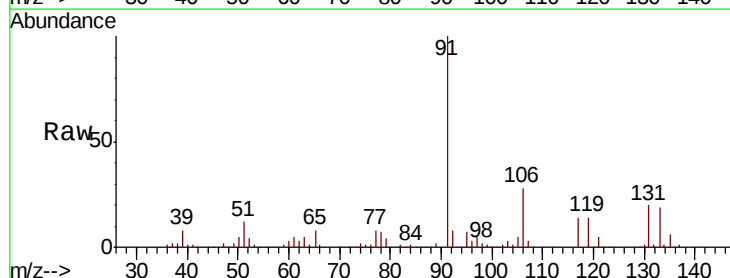
Tgt Ion:131 Resp: 272238

Ion Ratio Lower Upper

131 100

133 96.1 47.4 142.3

119 68.9 35.6 106.9





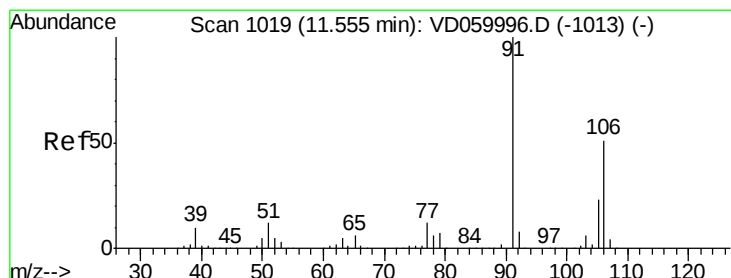
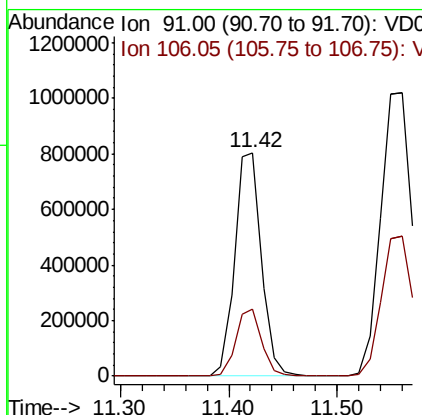
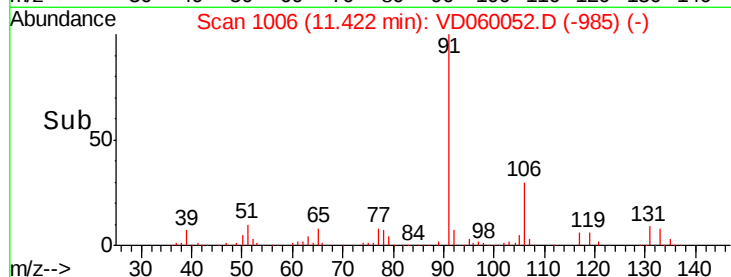
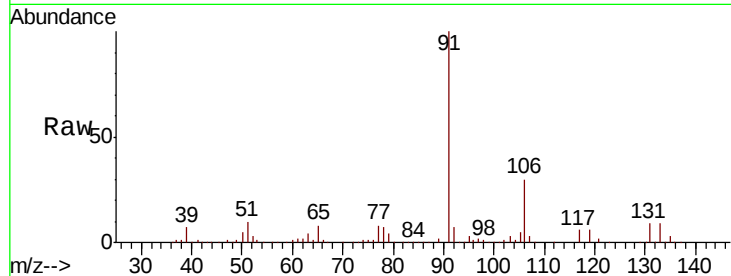
#67
Ethyl Benzene
Concen: 23.224 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion: 91 Resp: 1379805
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2

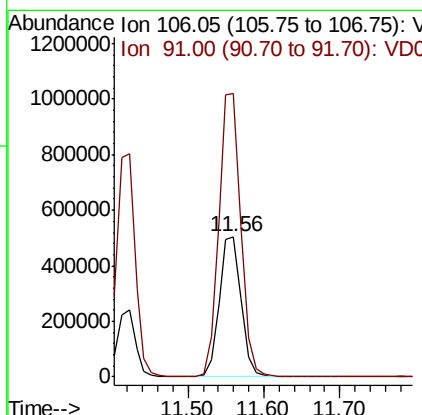
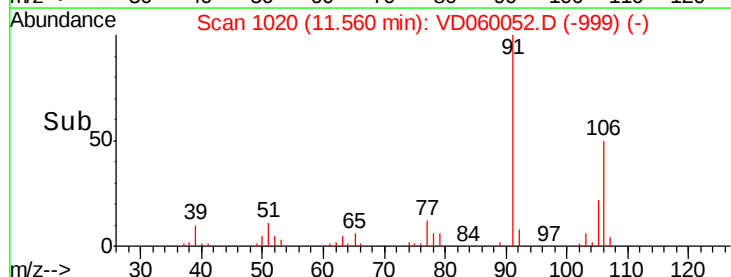
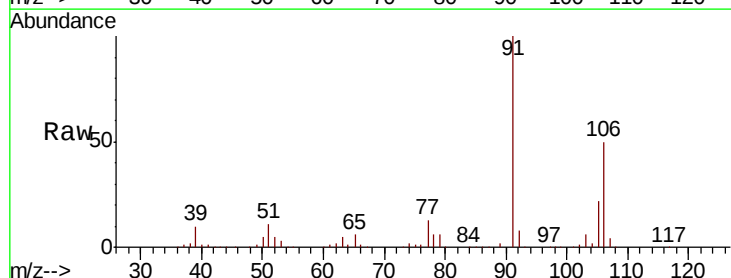
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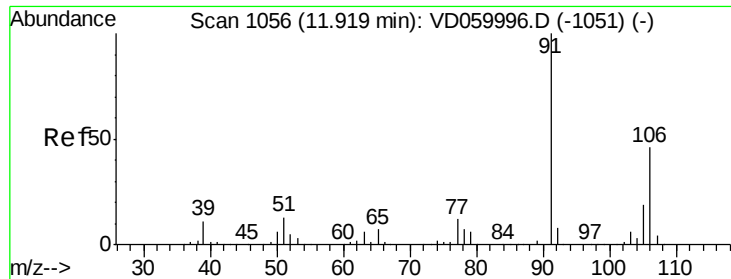
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#68
m/p-Xylenes
Concen: 45.943 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 106 Resp: 1008117
Ion Ratio Lower Upper
106 100
91 201.8 157.0 235.6





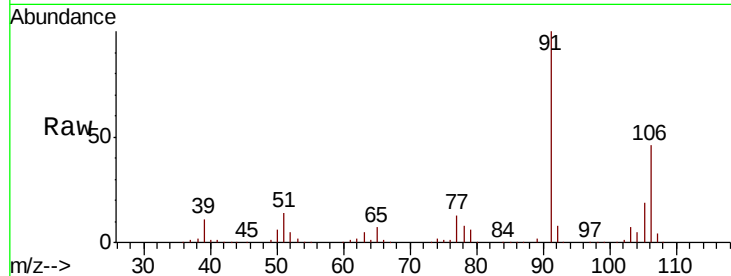
#69
o-Xylene
Concen: 22.292 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

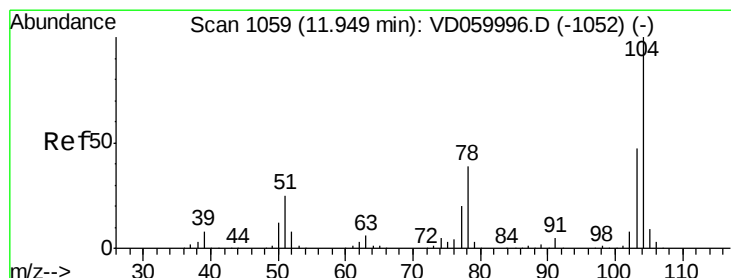
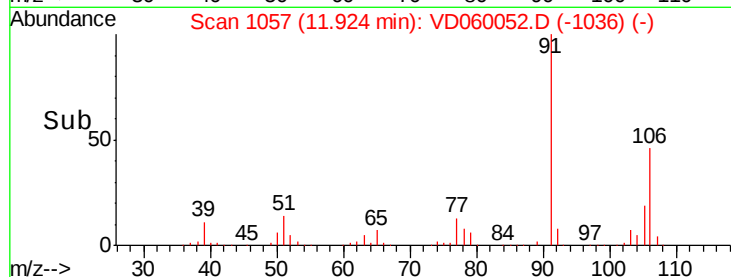
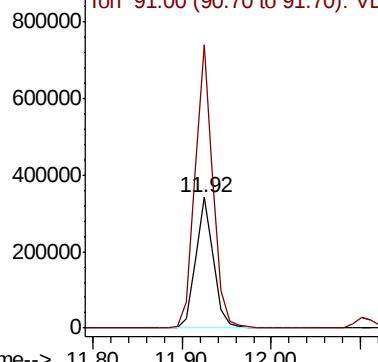
Tot Ion:106 Resp: 484669
Ion Ratio Lower Upper
106 100
91 217.0 107.7 323.1

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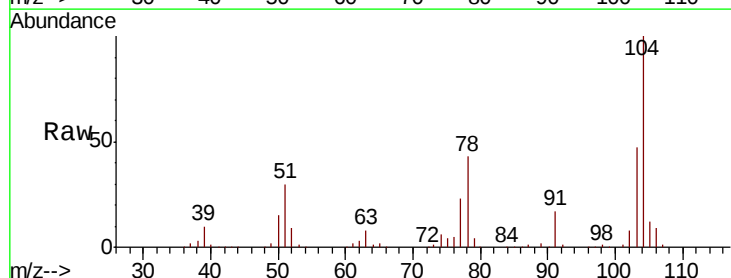


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

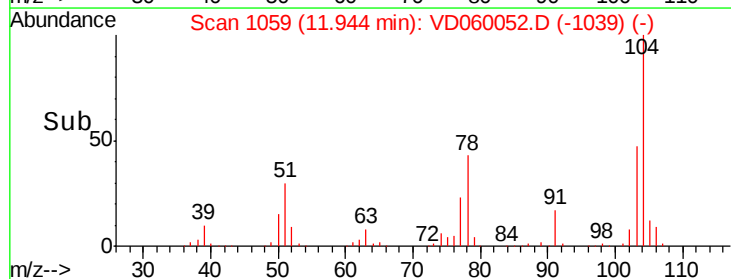
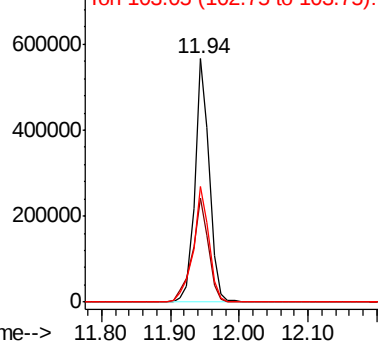


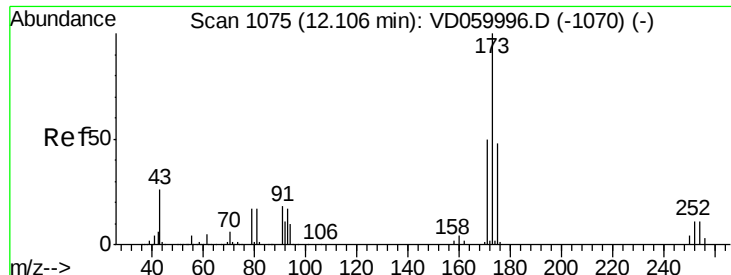
#70
Styrene
Concen: 22.257 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion:104 Resp: 813676
Ion Ratio Lower Upper
104 100
78 43.0 31.0 46.4
103 47.4 37.6 56.4



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





#71

Bromoform

Concen: 18.391 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion:173 Resp: 196760

Ion Ratio Lower Upper

173 100

175 49.7 24.0 72.0

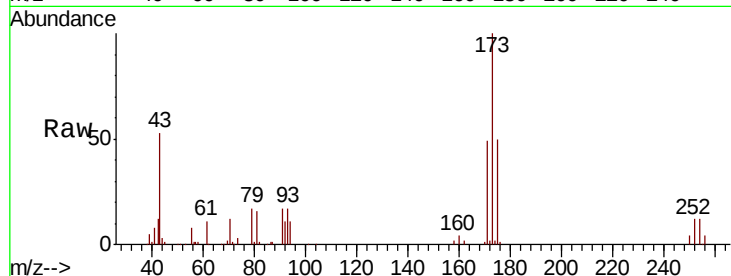
254 11.7 8.6 13.0

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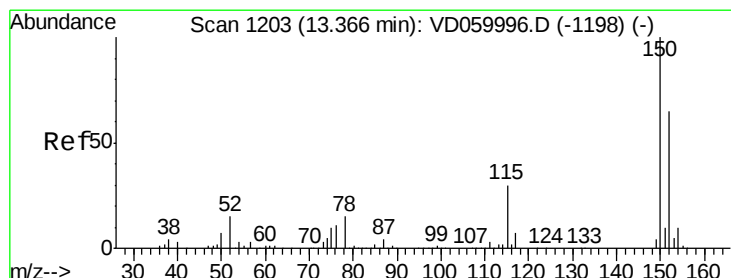
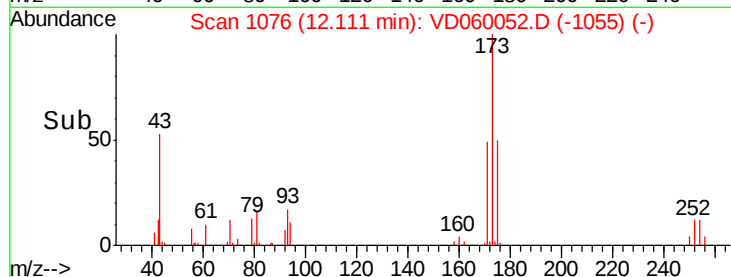
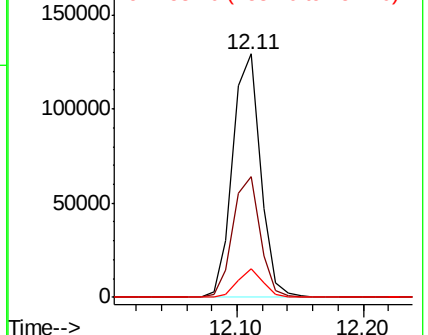
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Abundance Ion 172.80 (172.50 to 173.50): V

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. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

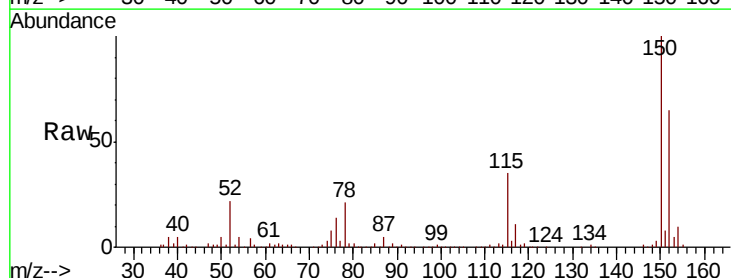
Tgt Ion:152 Resp: 929901

Ion Ratio Lower Upper

152 100

115 54.9 24.6 73.8

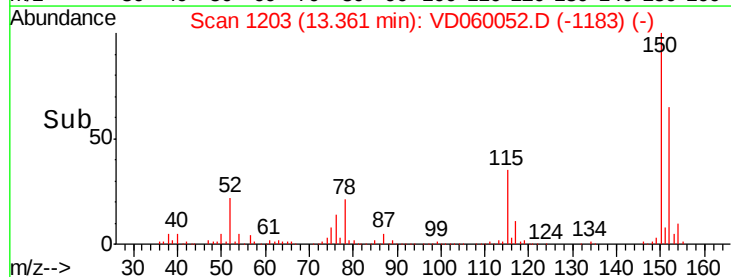
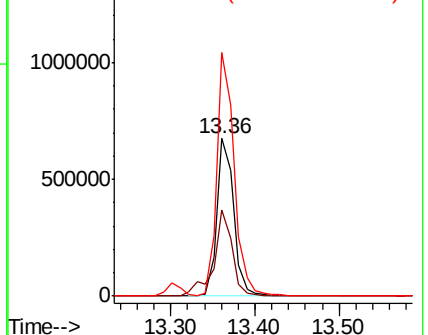
150 154.8 0.0 313.4

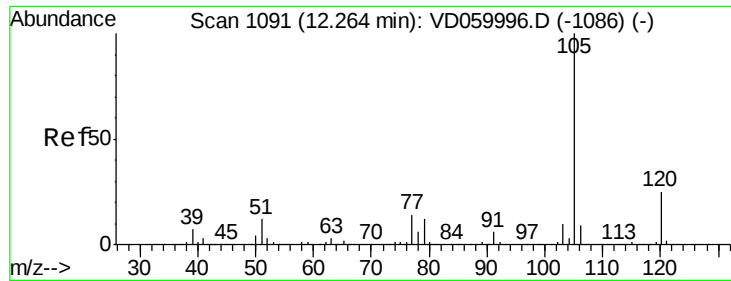


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.660 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion:105 Resp: 1320957

Ion Ratio Lower Upper

105 100

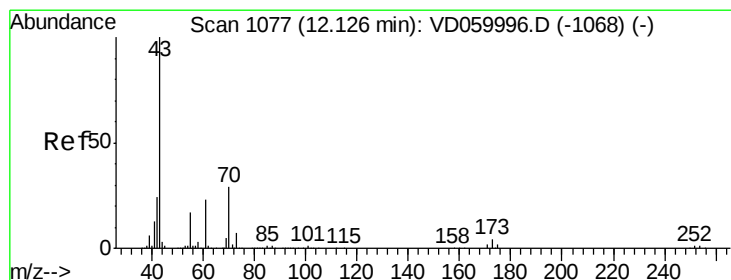
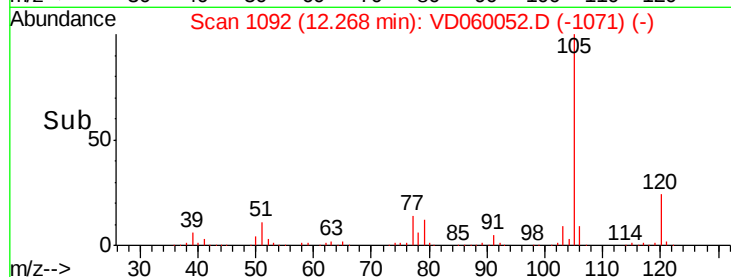
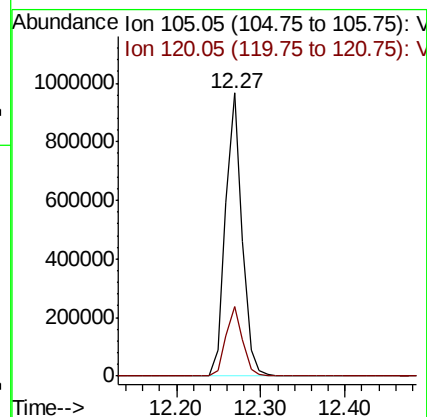
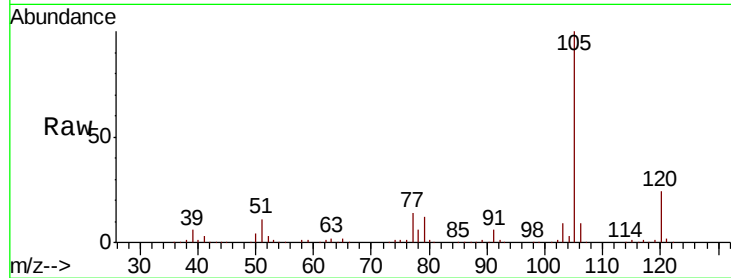
120 24.5 12.3 36.9

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#74

N-ethyl acetate

Concen: 18.396 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion: 43 Resp: 444412

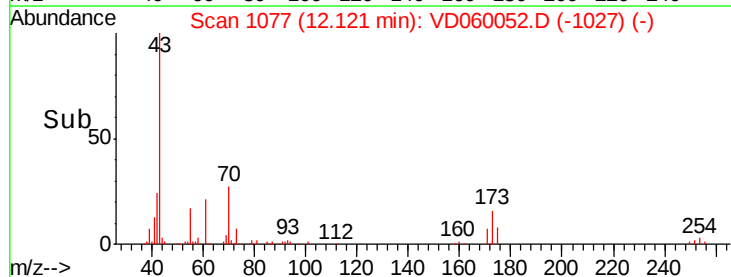
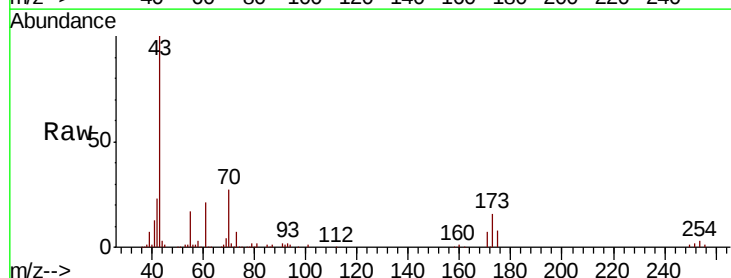
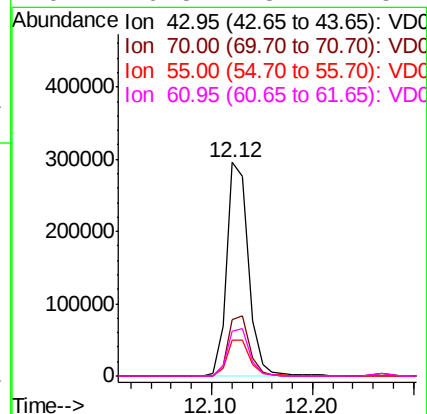
Ion Ratio Lower Upper

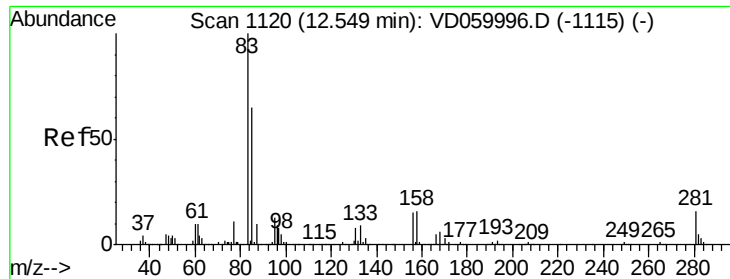
43 100

70 26.6 22.9 34.3

55 17.0 14.0 21.0

61 20.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.183 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 83 Resp: 265403

Ion Ratio Lower Upper

83 100

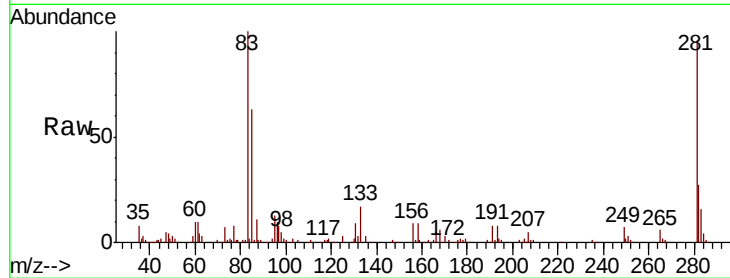
131 8.8 4.1 12.3

85 63.0 32.4 97.2

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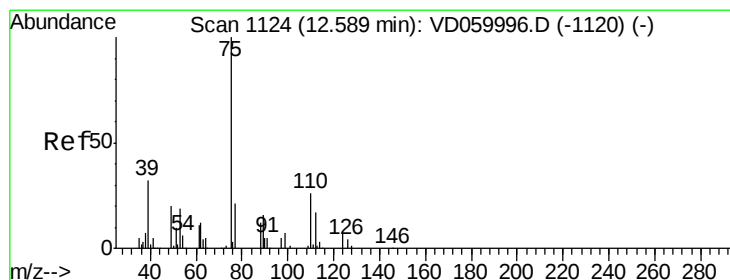
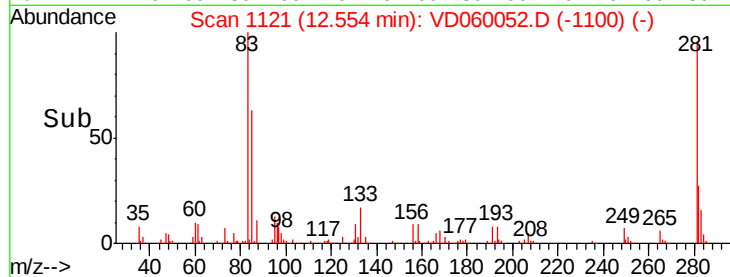
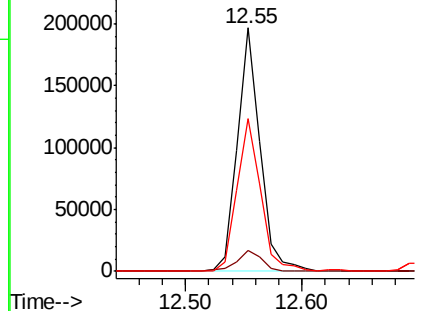
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.977 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060052.D

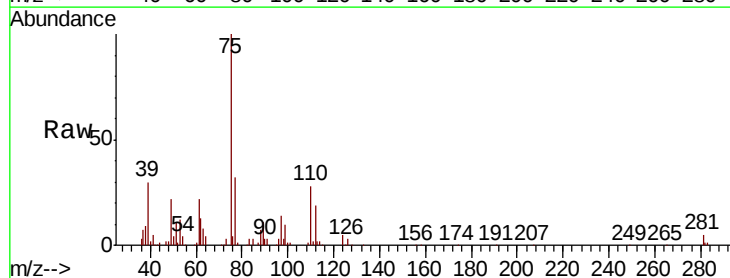
Acq: 20 Sep 2018 13:03

Tgt Ion: 75 Resp: 269520

Ion Ratio Lower Upper

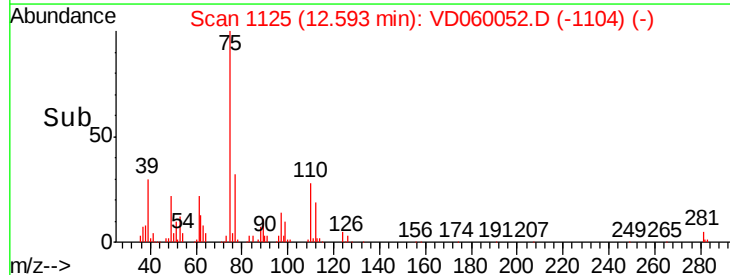
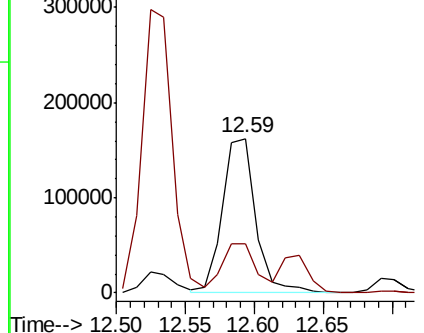
75 100

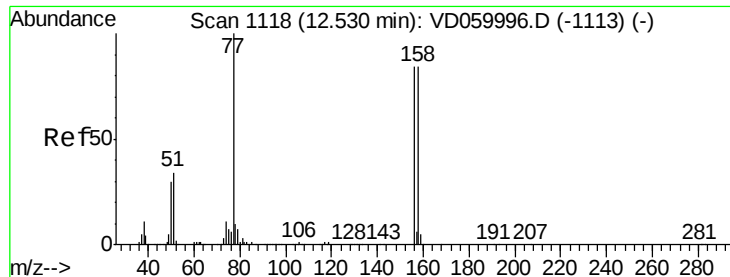
77 31.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.809 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

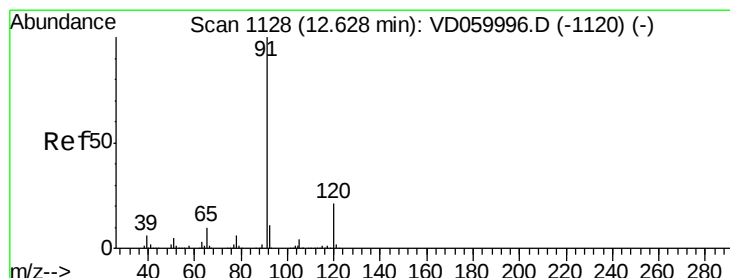
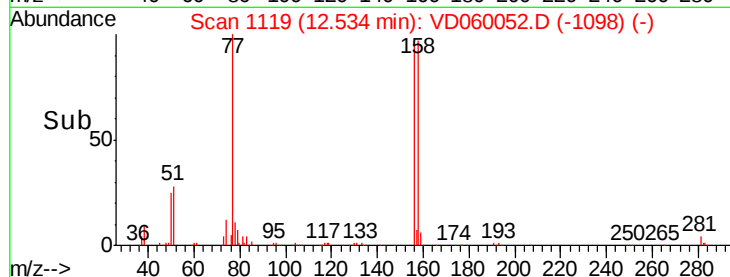
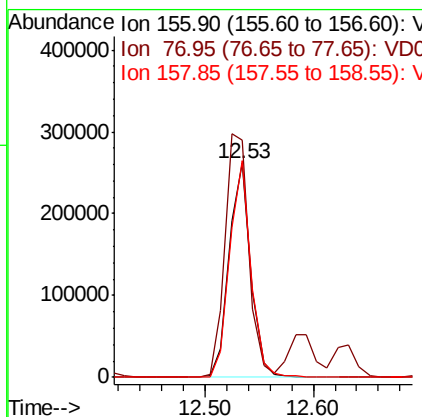
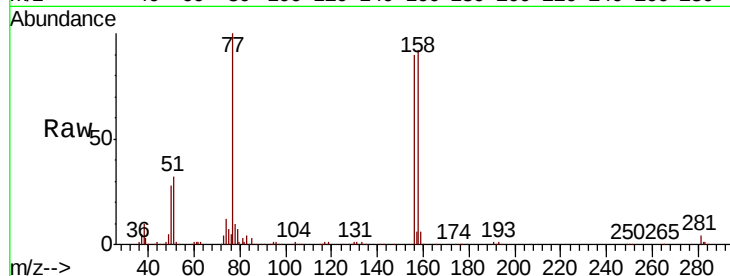
ClientSampleId :

VD0920SBS01

Tot Ion:	156	Resp:	365576
Ion Ratio	Lower	Upper	
156	100		
77	110.6	59.5	178.4
158	101.3	50.0	149.8

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#78

n-propylbenzene

Concen: 21.598 ug/l

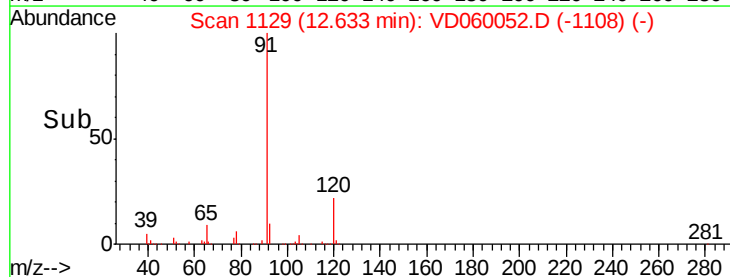
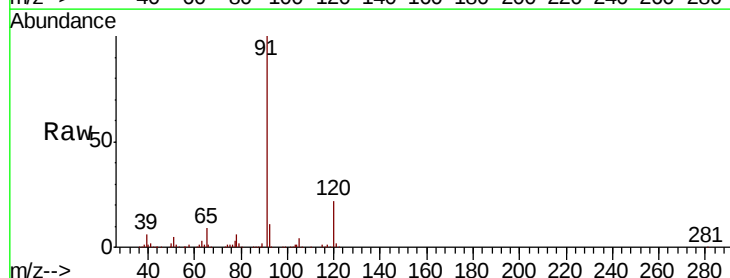
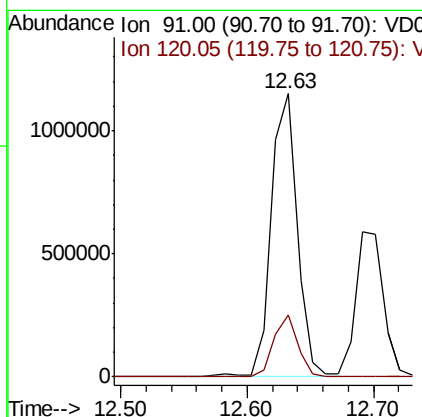
RT: 12.63 min Scan# 1129

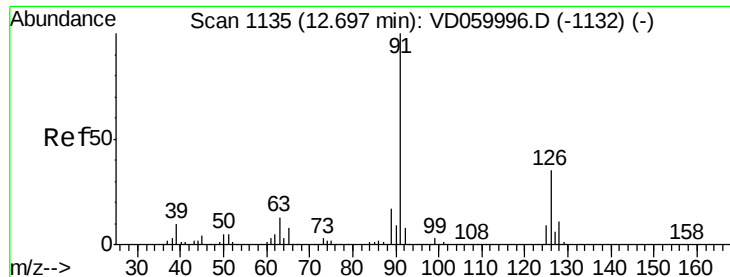
Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion:	91	Resp:	1656434
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.7	31.9





#79

2-Chlorotoluene

Concen: 20.825 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

Tot Ion: 91 Resp: 901458

Ion Ratio Lower Upper

91 100

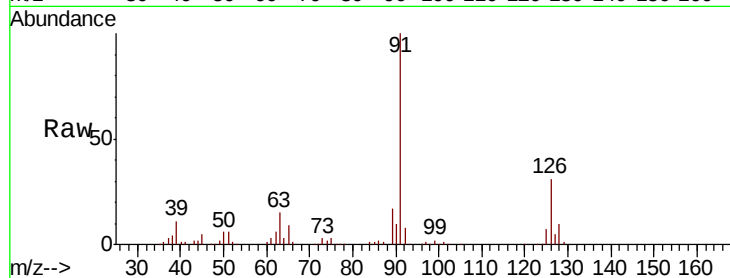
126 31.2 17.3 52.0

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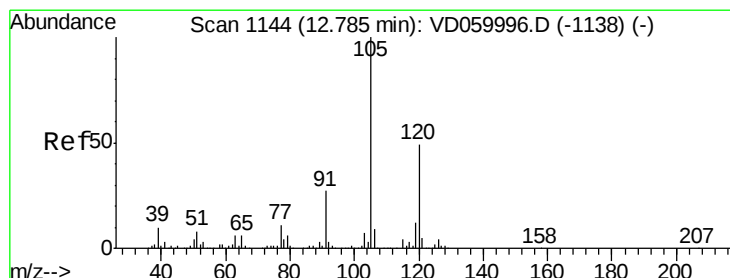
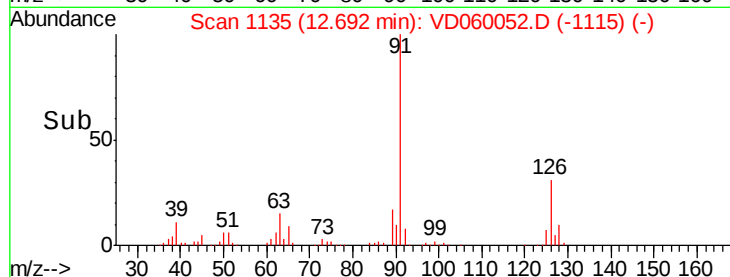
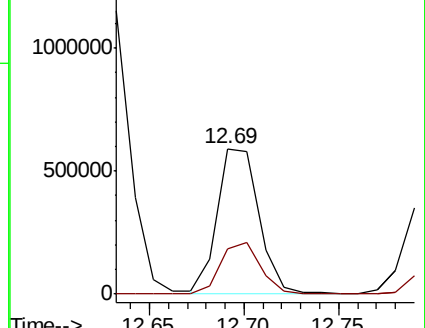
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.109 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060052.D

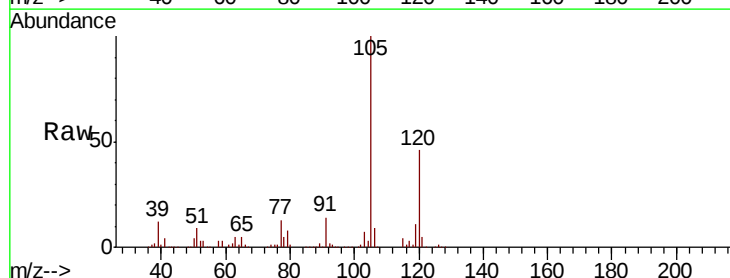
Acq: 20 Sep 2018 13:03

Tgt Ion:105 Resp: 1033496

Ion Ratio Lower Upper

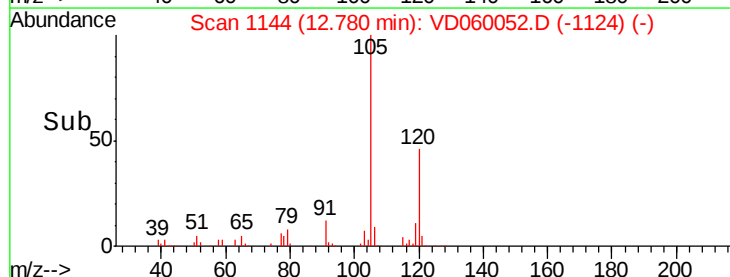
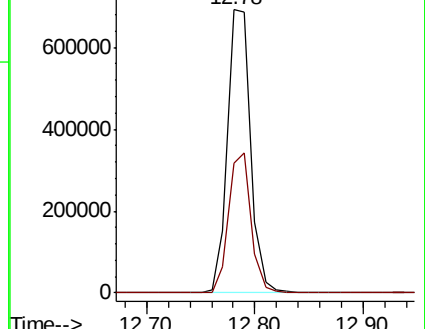
105 100

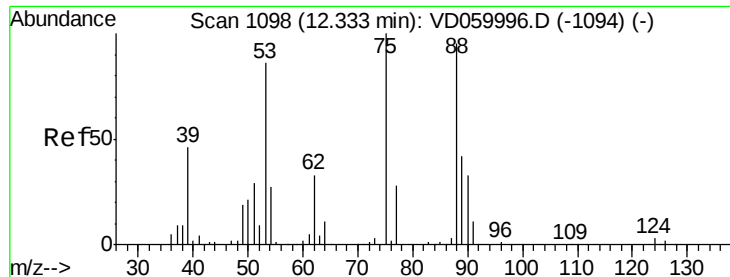
120 45.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.630 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 75 Resp: 75580

Ion Ratio Lower Upper

75 100

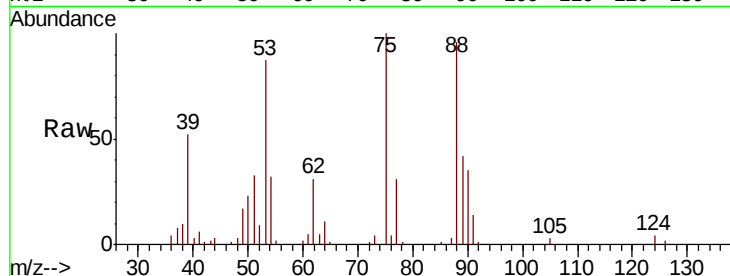
53 86.6 68.4 102.6

89 41.6 33.8 50.6

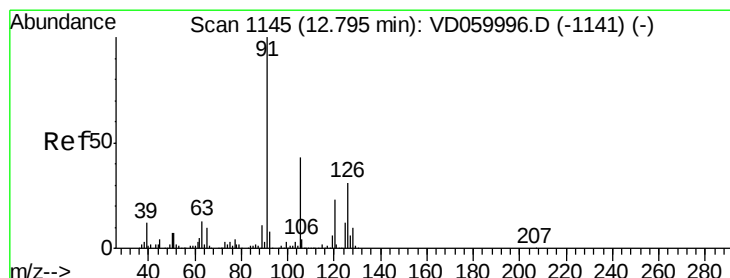
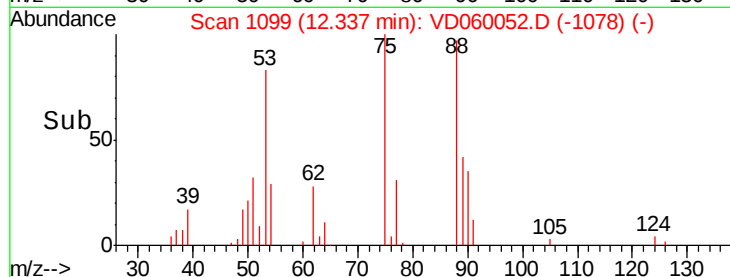
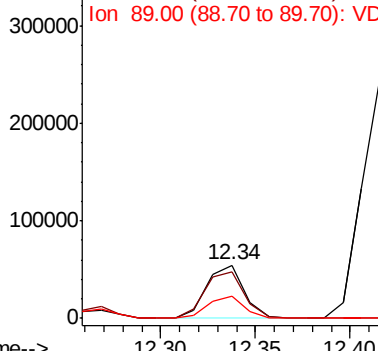
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.364 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060052.D

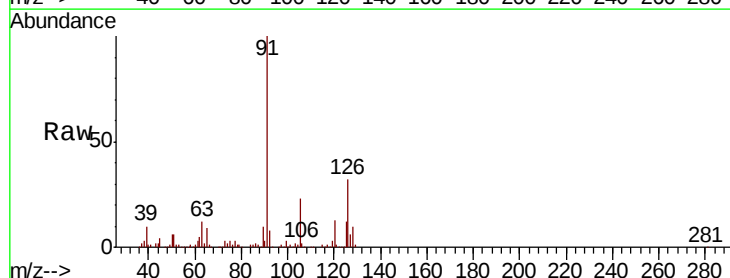
Acq: 20 Sep 2018 13:03

Tgt Ion: 91 Resp: 1064332

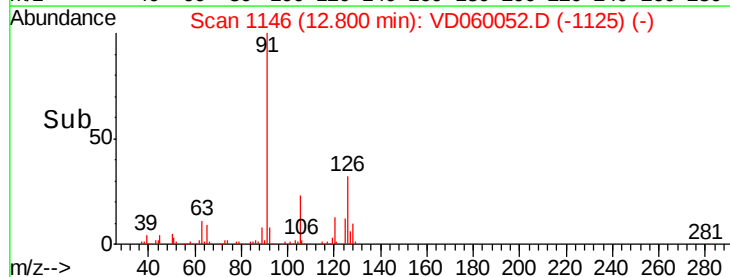
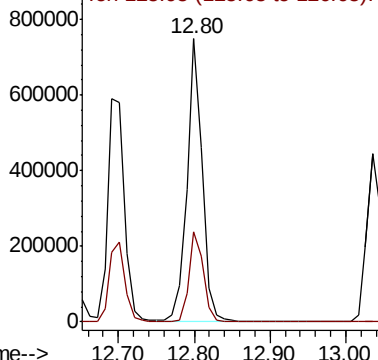
Ion Ratio Lower Upper

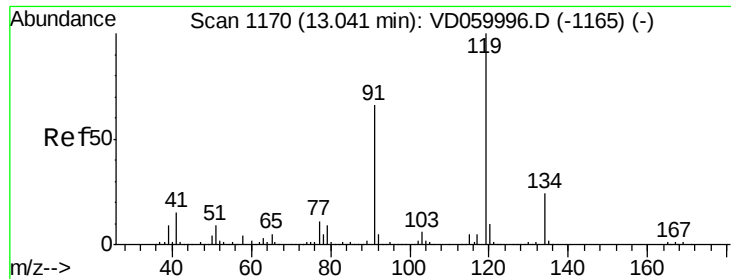
91 100

126 32.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





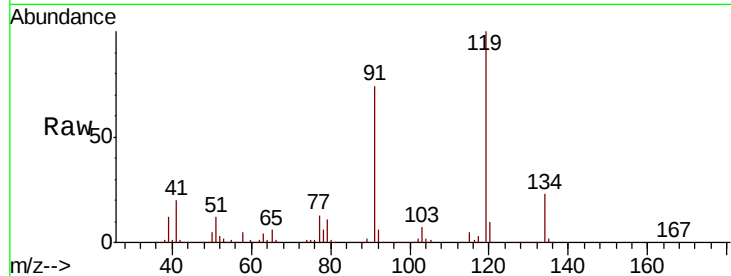
#83
tert-Butylbenzene
Concen: 21.174 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

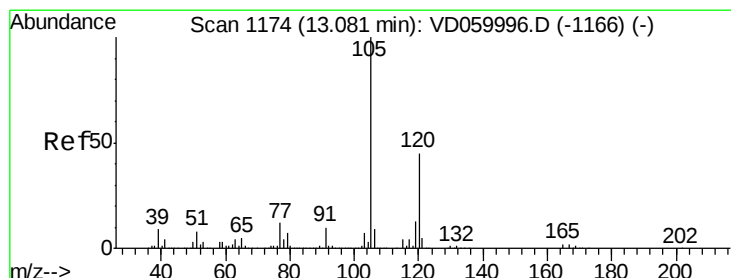
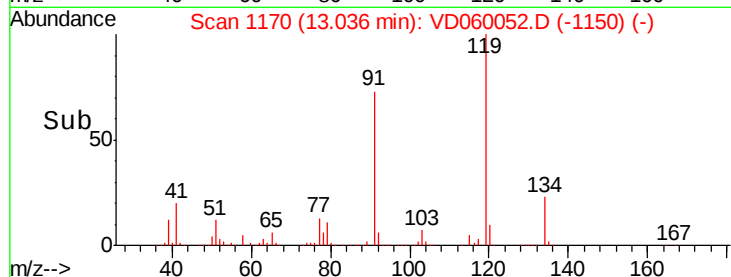
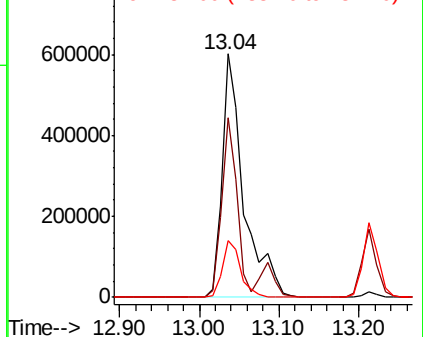
Tot Ion:119 Resp: 1146673
Ion Ratio Lower Upper
119 100
91 74.0 32.9 98.6
134 23.4 12.0 36.0

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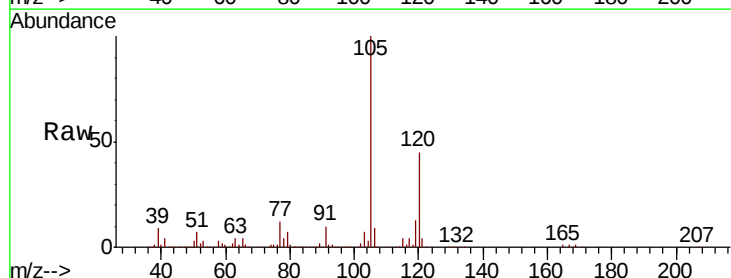


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

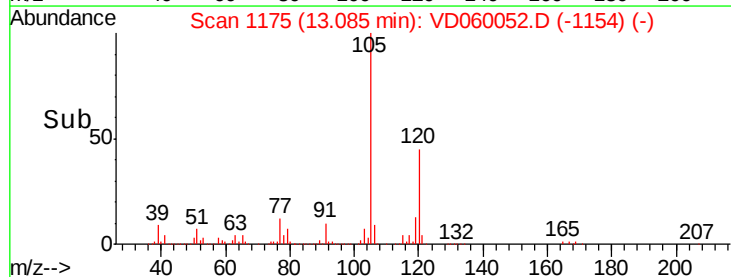
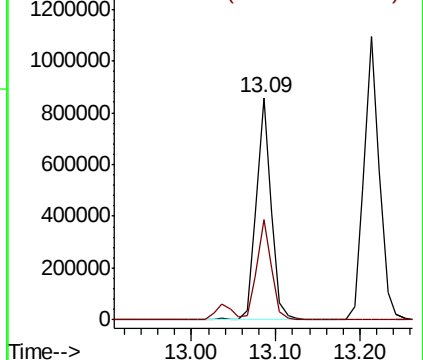


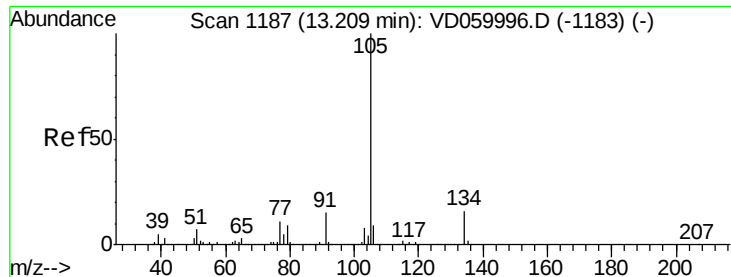
#84
1,2,4-Trimethylbenzene
Concen: 21.464 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion:105 Resp: 1070707
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





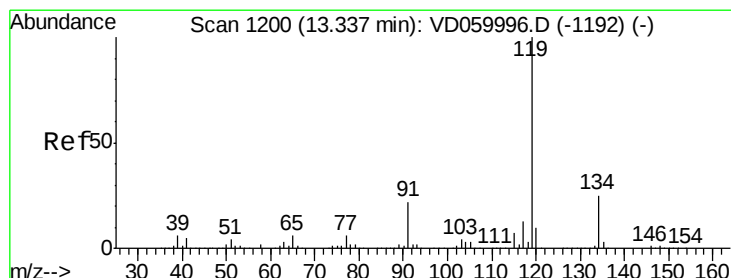
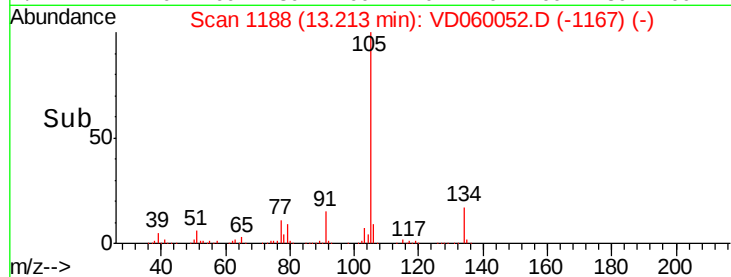
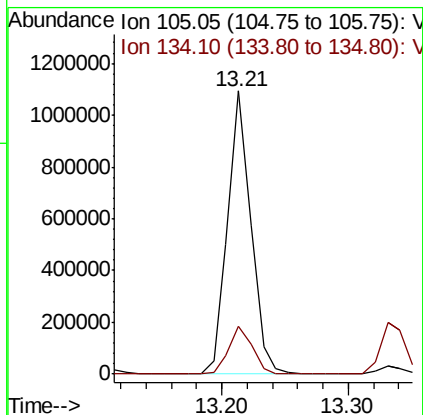
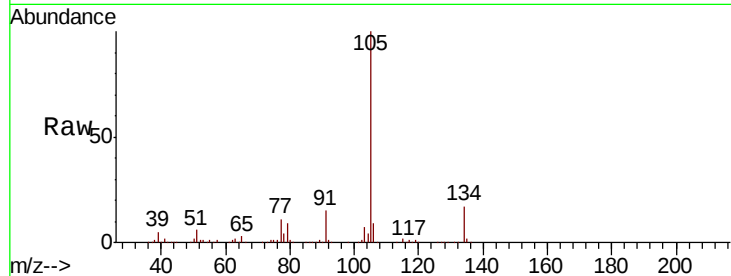
#85
 sec-Butylbenzene
 Concen: 21.602 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Tot Ion:105 Resp: 1388658
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.6

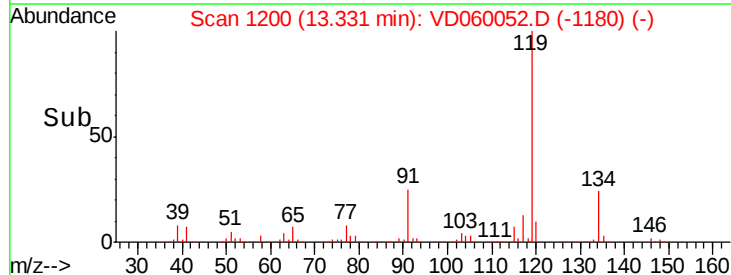
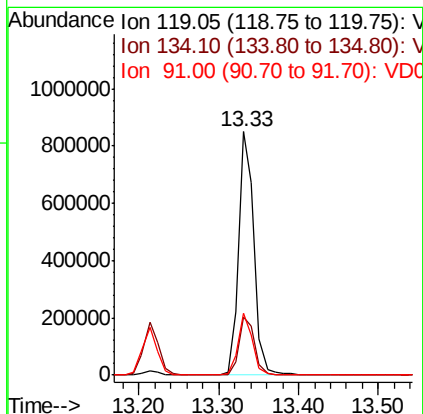
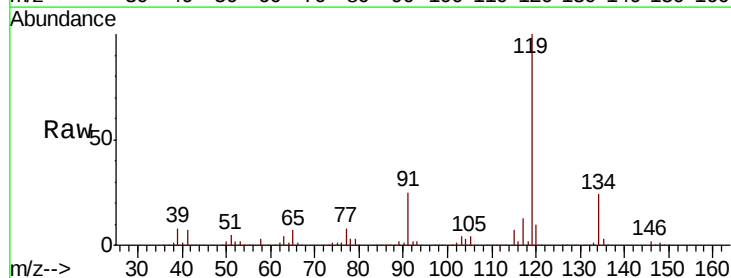
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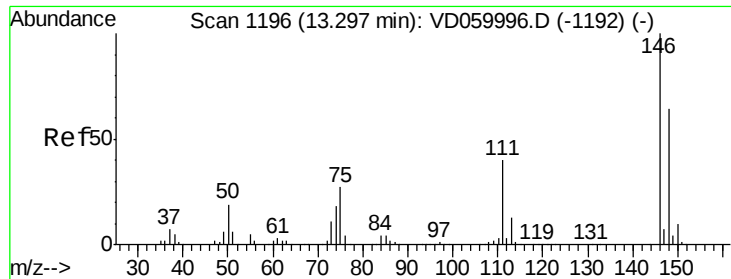
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#86
 p-Isopropyltoluene
 Concen: 21.836 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion:119 Resp: 1135281
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 25.3 11.1 33.3





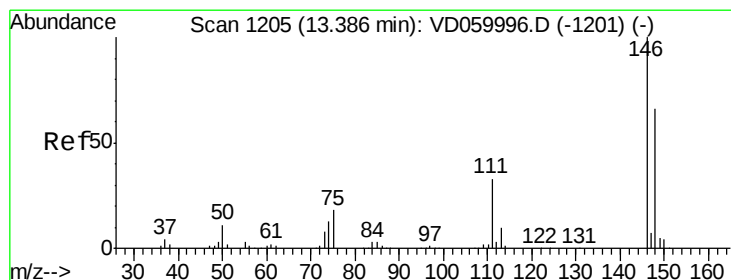
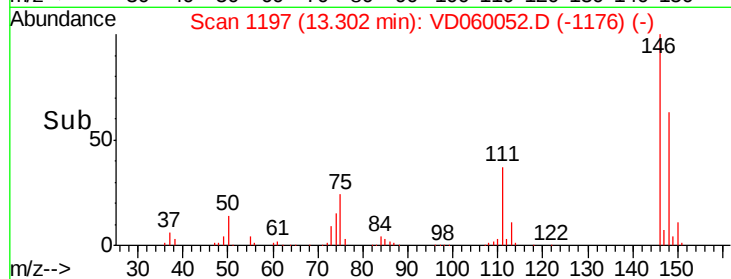
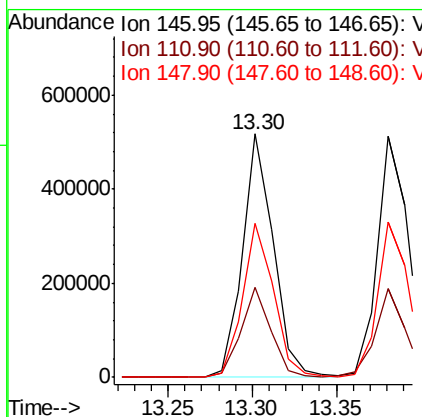
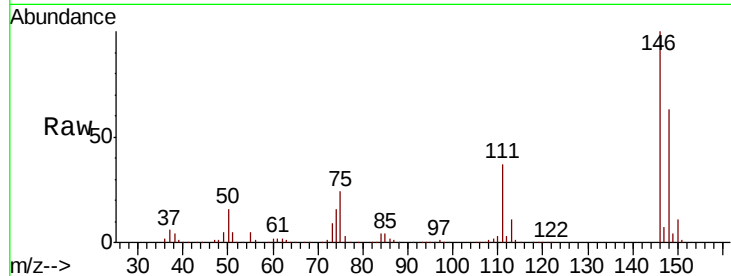
#87
 1,3-Dichlorobenzene
 Concen: 21.474 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.2	60.5
148	63.2	32.0	96.2

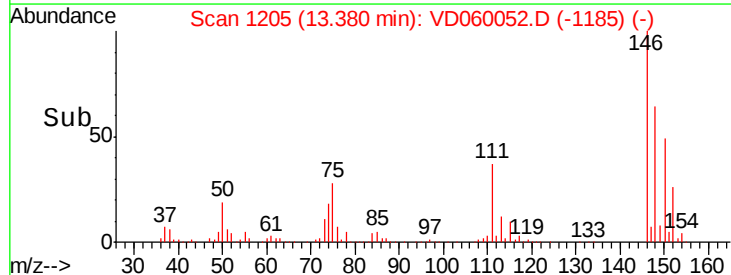
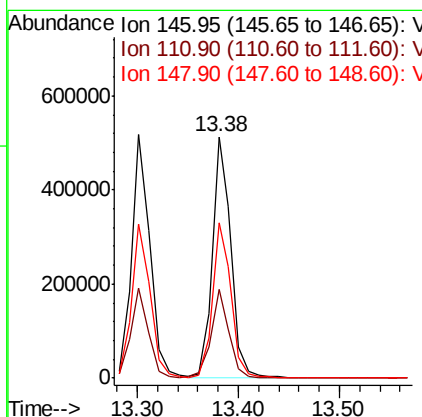
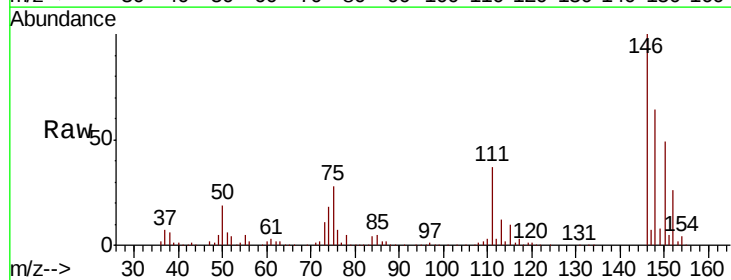
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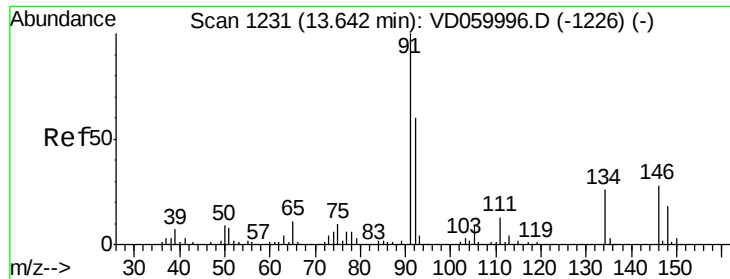
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#88
 1,4-Dichlorobenzene
 Concen: 21.315 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	16.7	50.0
148	64.4	32.9	98.6





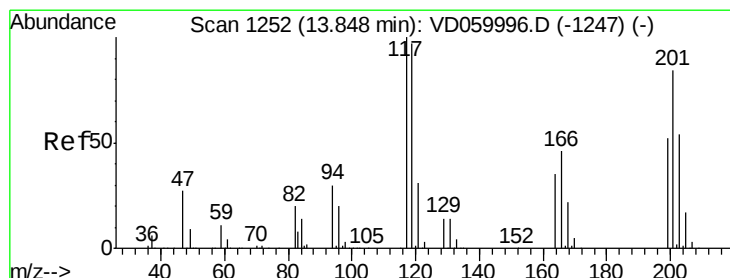
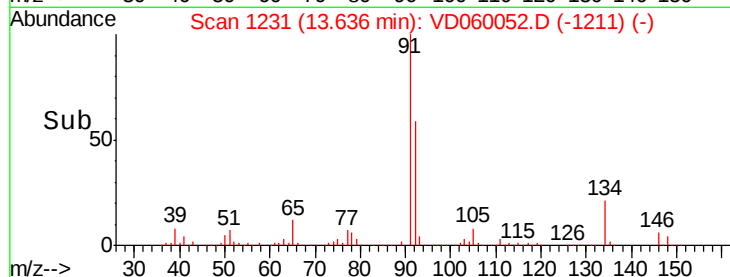
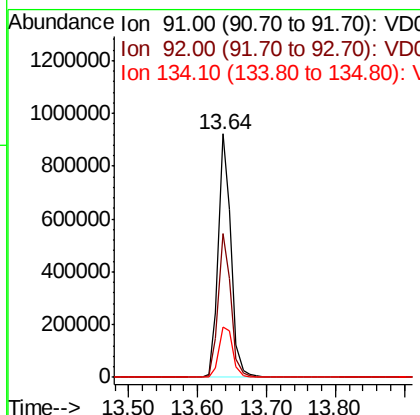
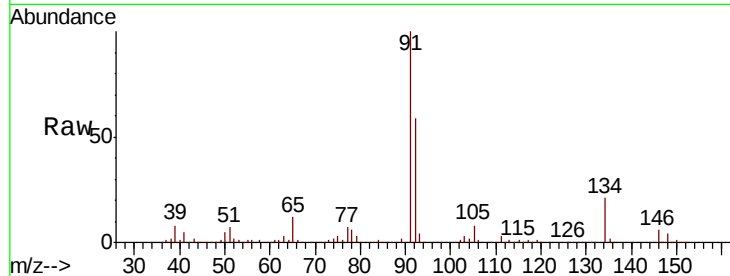
#89
n-Butylbenzene
Concen: 20.957 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion: 91 Resp: 1173957
Ion Ratio Lower Upper
91 100
92 59.3 29.8 89.3
134 20.5 13.2 39.6

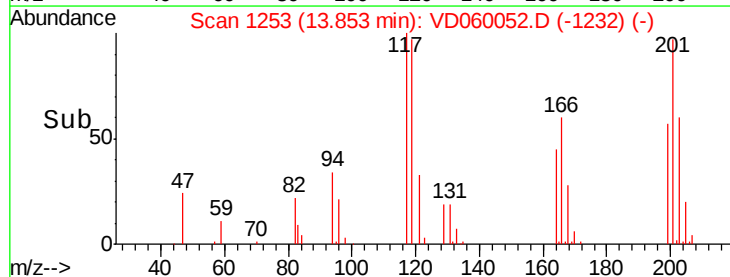
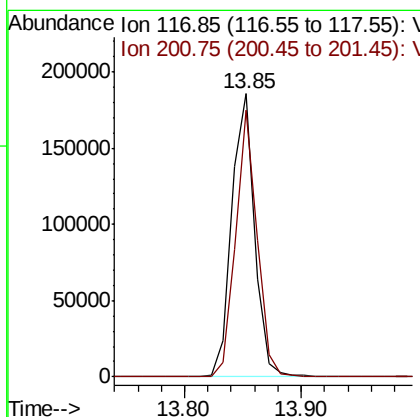
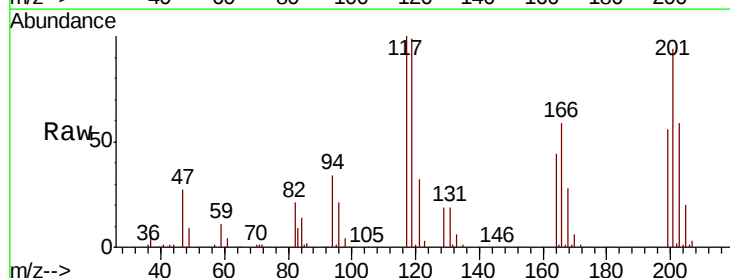
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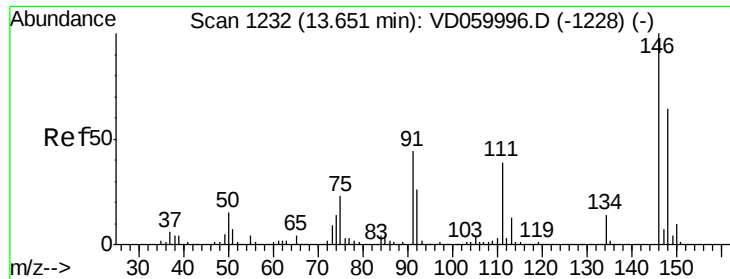
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#90
Hexachloroethane
Concen: 19.593 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 117 Resp: 252310
Ion Ratio Lower Upper
117 100
201 94.1 42.1 126.4





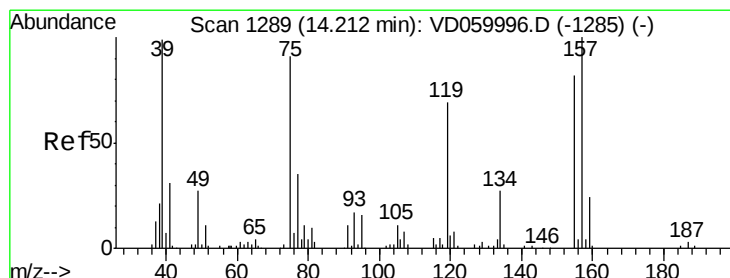
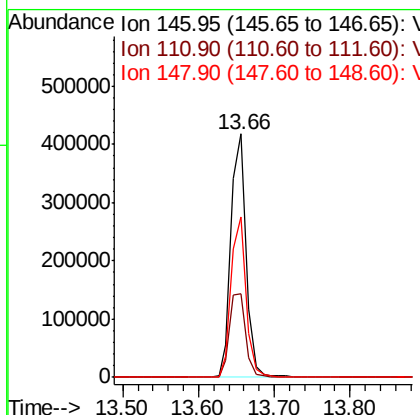
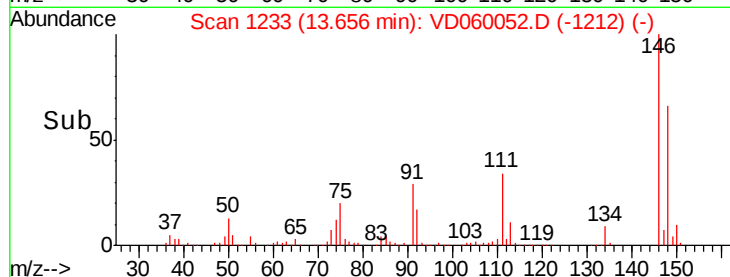
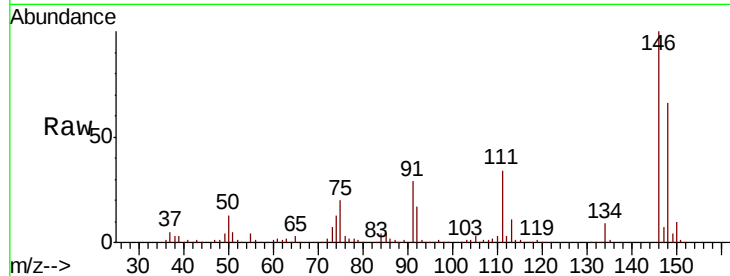
#91
 1,2-Dichlorobenzene
 Concen: 20.256 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	19.6	58.7
148	65.7	31.9	95.7

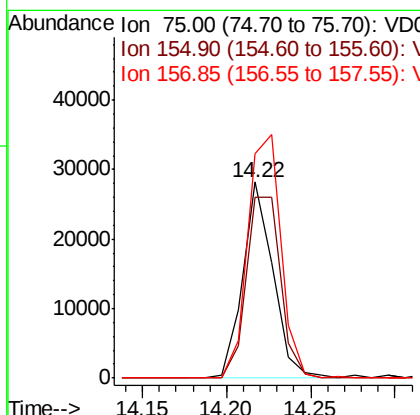
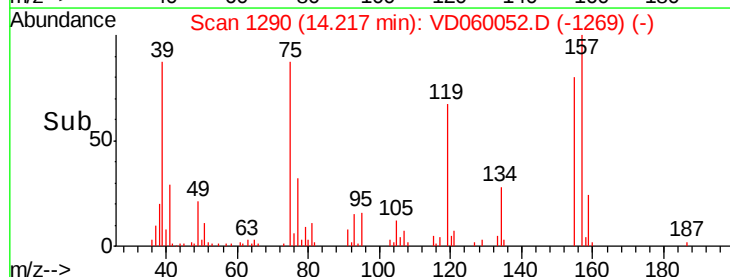
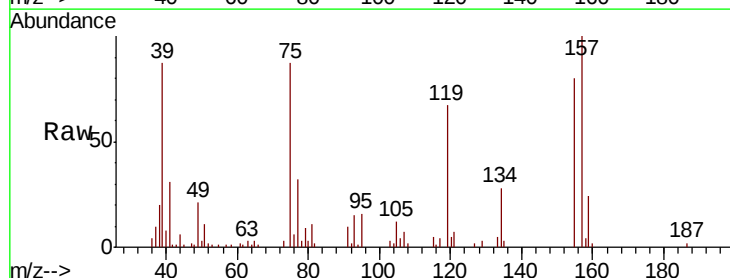
Manual Integrations
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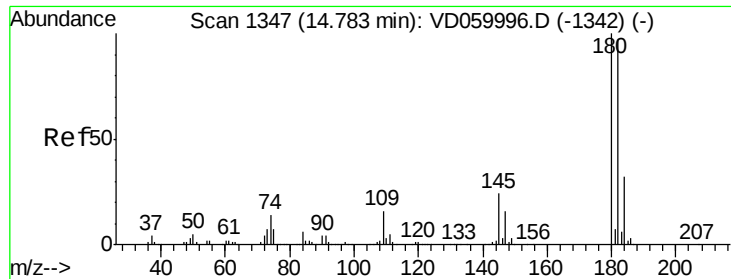
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.654 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	44.7	134.1
157	114.4	54.7	164.1





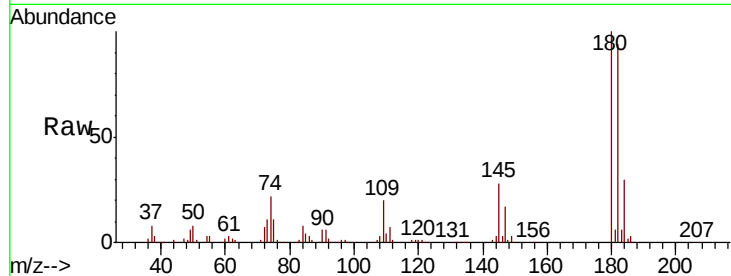
#93
1,2,4-Trichlorobenzene
Concen: 20.622 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	448945		
182	93.9	48.5	145.6	
145	28.0	11.9	35.7	

Manual Integrations
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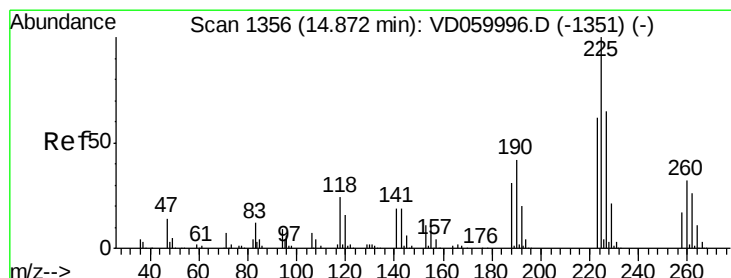
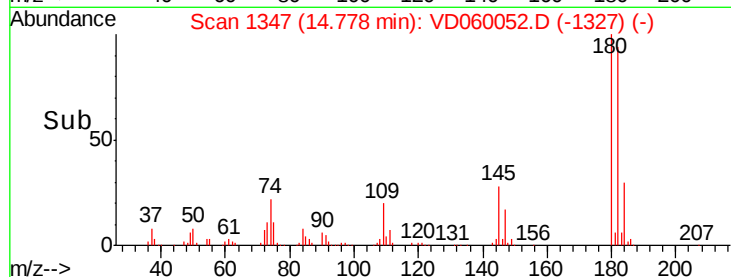
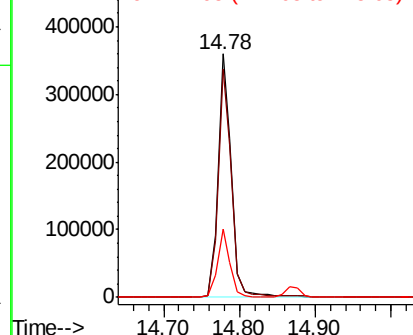


Abundance

Ion 179.85 (179.55 to 180.55): V

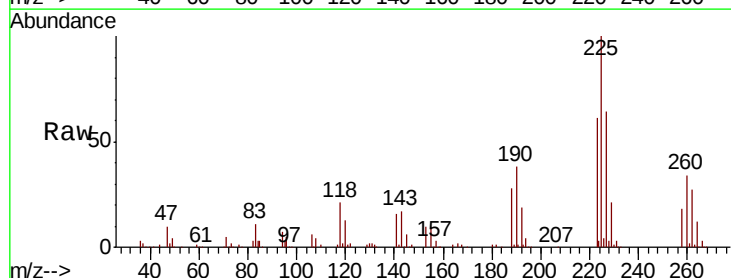
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
Hexachlorobutadiene
Concen: 20.830 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	299968		
223	61.4	31.2	93.6	
227	63.8	32.3	96.8	

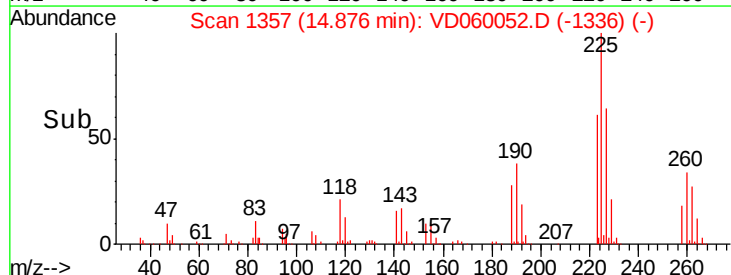
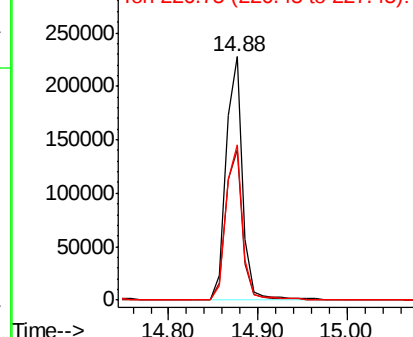


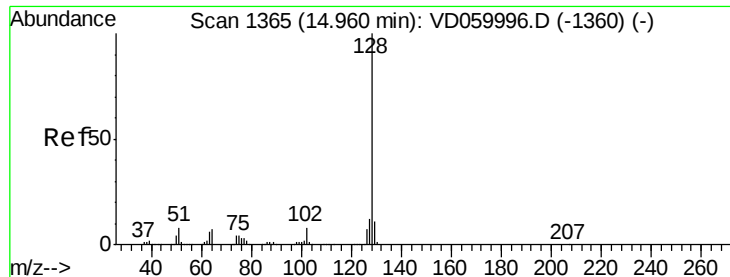
Abundance

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: 18.788 ug/l

RT: 14.95 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

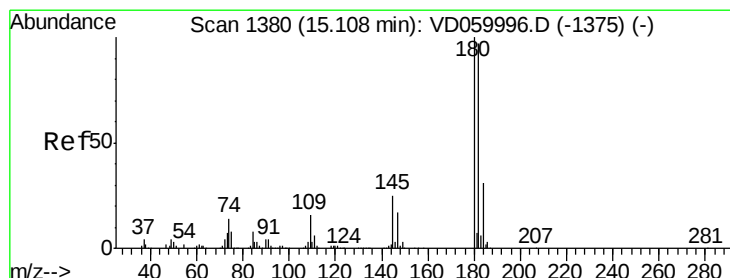
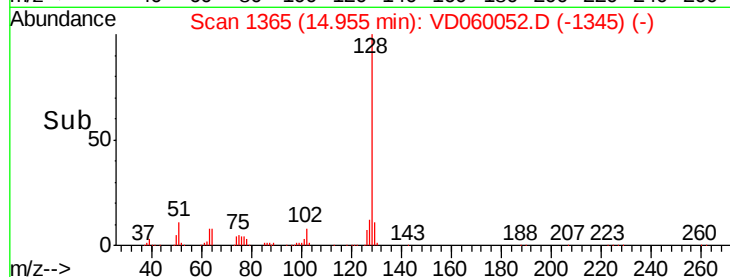
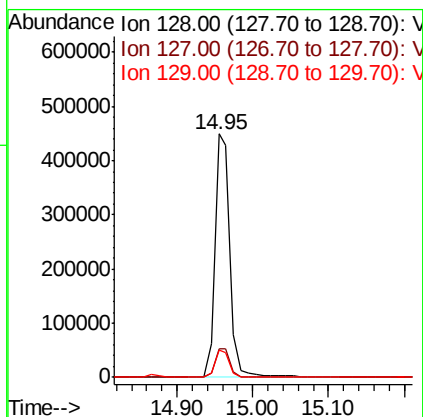
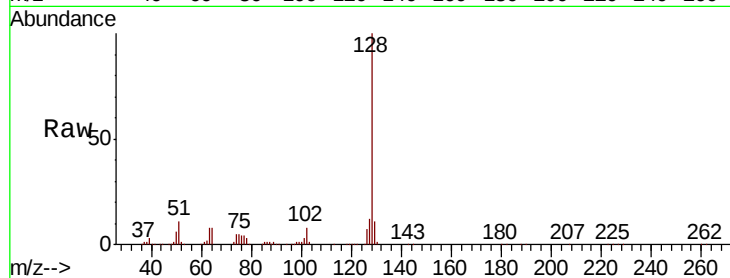
ClientSampleId :

VD0920SBS01

Tot Ion:	128	Resp:	631670
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.7	14.5
129	11.0	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.193 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion:	180	Resp:	368223
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.6	145.9
145	29.4	12.7	38.1

