

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060147.D
 Acq On : 9 Oct 2018 12:11
 Operator : VA/AP
 Sample : VD1009SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/10/2018 11:31:50 AM

Quant Time: Oct 09 17:09:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1558257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2208264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1816835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	945581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	637060	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	6.29	113	850516	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	9.43	98	2366953	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.41	95	906964	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	248508	16.954	ug/l	97
3) Chloromethane	1.74	50	289264	21.885	ug/l	96
4) Vinyl Chloride	1.83	62	225090	20.809	ug/l	98
5) Bromomethane	2.11	94	20479	15.078	ug/l	89
6) Chloroethane	2.22	64	49654	16.822	ug/l	94
7) Trichlorofluoromethane	2.47	101	249140	19.236	ug/l	98
8) Diethyl Ether	2.79	74	61191	22.976	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	179065	22.192	ug/l	99
10) Methyl Iodide	3.21	142	156410	18.279	ug/l	96
11) Tert butyl alcohol	3.94	59	98548	116.332	ug/l	99
12) 1,1-Dichloroethene	3.04	96	142002	22.340	ug/l	93
13) Acrolein	2.95	56	54760	104.862	ug/l	93
14) Allyl chloride	3.49	41	289927	21.961	ug/l	97
15) Acrylonitrile	4.04	53	403249	115.005	ug/l	98
16) Acetone	3.13	43	263319	122.857	ug/l	98
17) Carbon Disulfide	3.28	76	451438	21.119	ug/l	98
18) Methyl Acetate	3.52	43	98439	21.369	ug/l	98
19) Methyl tert-butyl Ether	4.08	73	635809	22.750	ug/l	98
20) Methylene Chloride	3.68	84	360734	18.689	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	343507	20.924	ug/l	99
22) Diisopropyl ether	4.82	45	1310320	22.224	ug/l	97
23) Vinyl Acetate	4.76	43	3834076	115.689	ug/l	99
24) 1,1-Dichloroethane	4.71	63	581513	21.753	ug/l	98
25) 2-Butanone	5.59	43	638561	119.257	ug/l	96
26) 2,2-Dichloropropane	5.55	77	457030	22.552	ug/l	95
27) cis-1,2-Dichloroethene	5.56	96	375587	21.593	ug/l	94
28) Bromochloromethane	5.89	49	274787	21.153	ug/l	95
29) Tetrahydrofuran	5.92	42	356101	114.496	ug/l	99
30) Chloroform	6.07	83	581421	21.501	ug/l	100
31) Cyclohexane	6.33	56	520921	20.356	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	469929	21.212	ug/l	99
36) 1,1-Dichloropropene	6.49	75	431878	20.466	ug/l	97
37) Ethyl Acetate	5.67	43	321972	22.987	ug/l	99
38) Carbon Tetrachloride	6.46	117	395419	20.646	ug/l	100

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apatel
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Quant Time: Oct 09 17:09:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	487680	20.340	ug/l	98
40) Benzene	6.76	78	1152896	20.884	ug/l	100
41) Methacrylonitrile	5.89	41	182362m	23.035	ug/l	
42) 1,2-Dichloroethane	6.86	62	332425	21.003	ug/l	97
43) Isopropyl Acetate	8.32	43	400336	21.725	ug/l #	100
44) Trichloroethene	7.70	130	342537	20.044	ug/l	98
45) 1,2-Dichloropropane	8.08	63	300610	20.796	ug/l	99
46) Dibromomethane	8.19	93	198858	21.249	ug/l	97
47) Bromodichloromethane	8.46	83	423254	21.226	ug/l	98
48) Methyl methacrylate	8.22	41	230983	22.006	ug/l	98
49) 1,4-Dioxane	8.21	88	43429	420.511	ug/l	92
51) 4-Methyl-2-Pentanone	9.32	43	1314417	113.091	ug/l	98
52) Toluene	9.53	92	738110	20.760	ug/l	100
53) t-1,3-Dichloropropene	9.89	75	391011	21.671	ug/l	100
54) cis-1,3-Dichloropropene	9.07	75	468492	21.027	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	251542	21.641	ug/l	98
56) Ethyl methacrylate	10.01	69	276512	21.551	ug/l	93
57) 1,3-Dichloropropane	10.36	76	378403	21.346	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	828610	116.299	ug/l	95
59) 2-Hexanone	10.47	43	994071	118.942	ug/l	99
60) Dibromochloromethane	10.62	129	304241	21.334	ug/l	100
61) 1,2-Dibromoethane	10.74	107	261504	21.174	ug/l	97
64) Tetrachloroethene	10.23	164	311747	19.591	ug/l	98
65) Chlorobenzene	11.30	112	828431	21.077	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	281725	21.486	ug/l	98
67) Ethyl Benzene	11.41	91	1370995	21.529	ug/l	99
68) m/p-Xylenes	11.55	106	1020095	42.873	ug/l	98
69) o-Xylene	11.92	106	492332	20.919	ug/l	88
70) Styrene	11.95	104	812399	20.641	ug/l	98
71) Bromoform	12.10	173	225654	21.253	ug/l	98
73) Isopropylbenzene	12.26	105	1343635	21.539	ug/l	99
74) N-amyl acetate	12.12	43	513925	22.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	300023	22.030	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	307345	22.570	ug/l	100
77) Bromobenzene	12.53	156	384552	21.214	ug/l	92
78) n-propylbenzene	12.62	91	1691863	21.842	ug/l	98
79) 2-Chlorotoluene	12.69	91	919171	21.381	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1078084	22.329	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	84774	22.155	ug/l	98
82) 4-Chlorotoluene	12.79	91	1073360	22.074	ug/l	90
83) tert-Butylbenzene	13.04	119	1172642	21.165	ug/l	96
84) 1,2,4-Trimethylbenzene	13.08	105	1079843	21.221	ug/l	95
85) sec-Butylbenzene	13.21	105	1410118	21.526	ug/l	98
86) p-Isopropyltoluene	13.33	119	1186623	22.085	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	689330	21.826	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	671166	21.157	ug/l	97
89) n-Butylbenzene	13.64	91	1194917	22.792	ug/l	99
90) Hexachloroethane	13.85	117	261825	21.055	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	601229	22.640	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	39433	21.685	ug/l	90

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Manual Integrations
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10/10/2018 11:31:50 AM

Quant Time: Oct 09 17:09:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	476042	21.119	ug/l	96
94) Hexachlorobutadiene	14.87	225	320246	21.374	ug/l	98
95) Naphthalene	14.96	128	695076	20.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	404090	20.608	ug/l	99

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

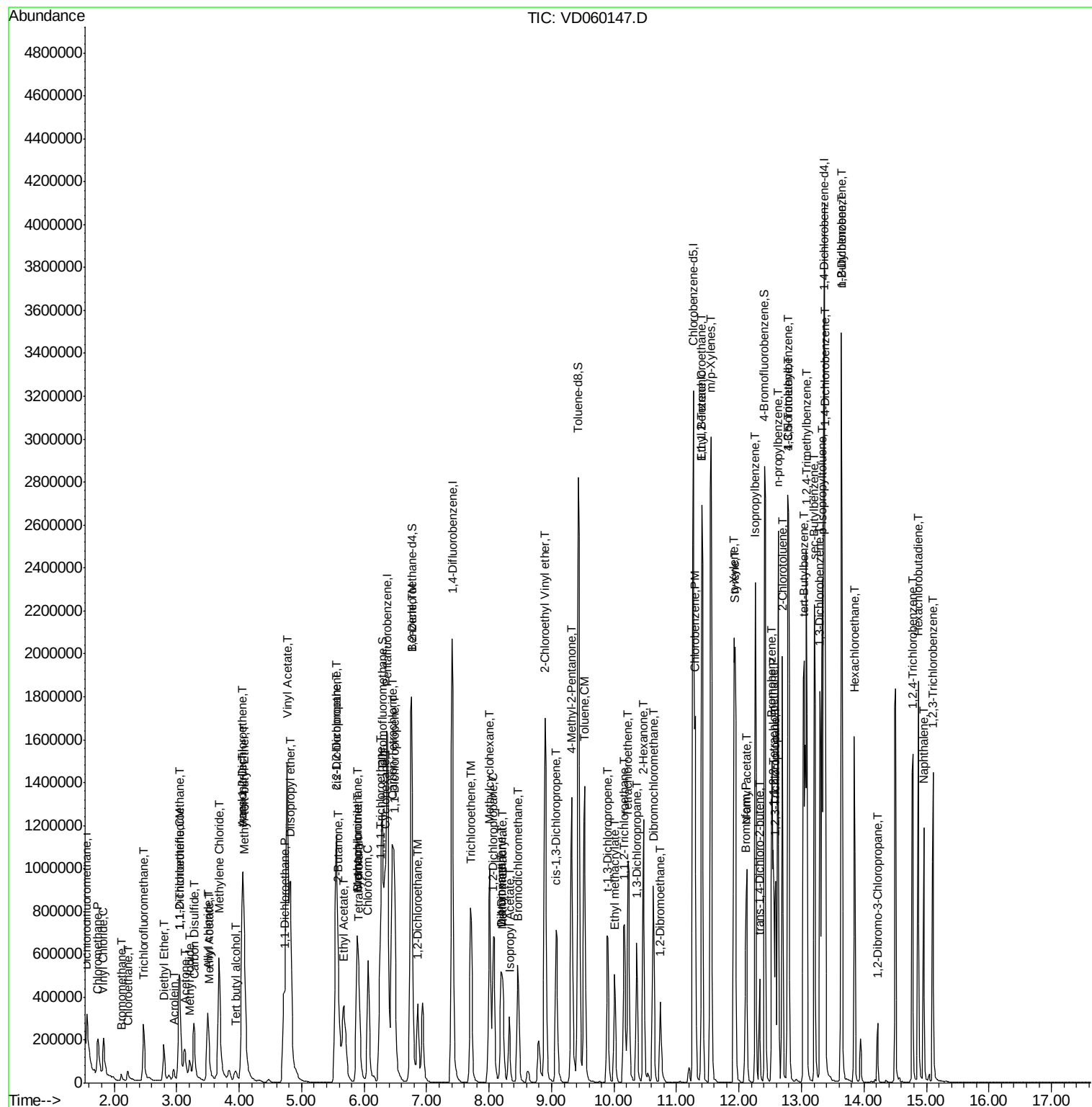
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 Data File : VD060147.D
 Acq On : 9 Oct 2018 12:11
 Operator : VA/AP
 Sample : VD1009SBS01
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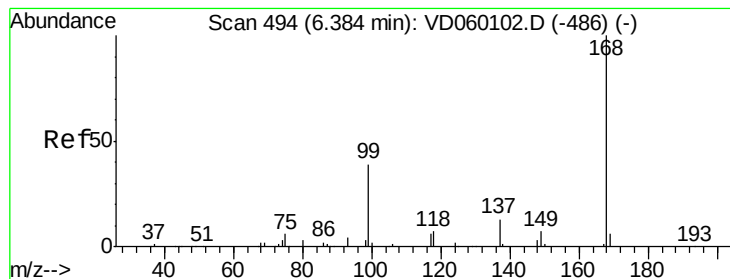
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1009SBS01

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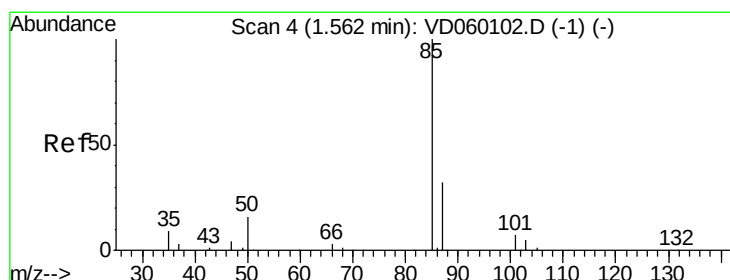
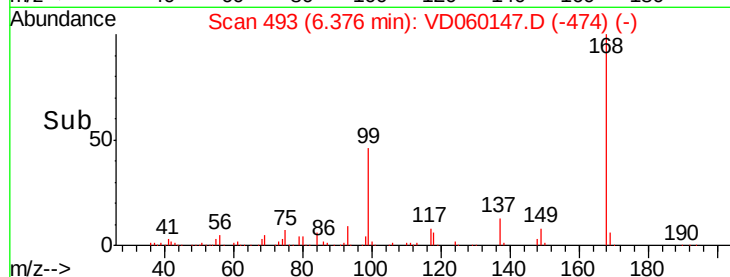
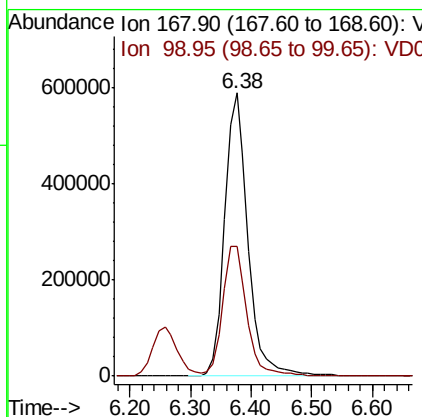
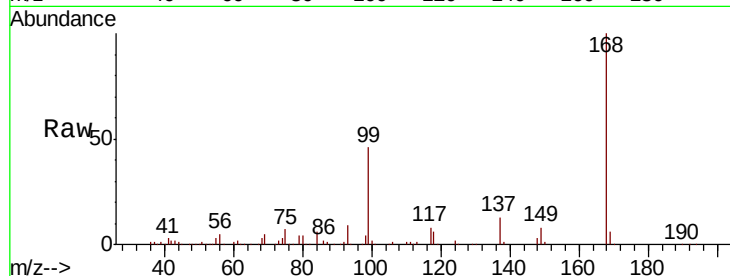
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion:168 Resp: 1558257
Ion Ratio Lower Upper
168 100
99 45.7 35.4 53.0

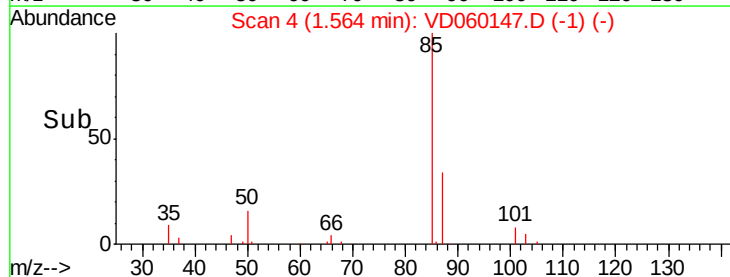
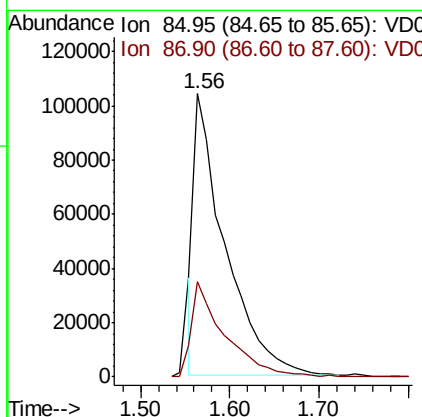
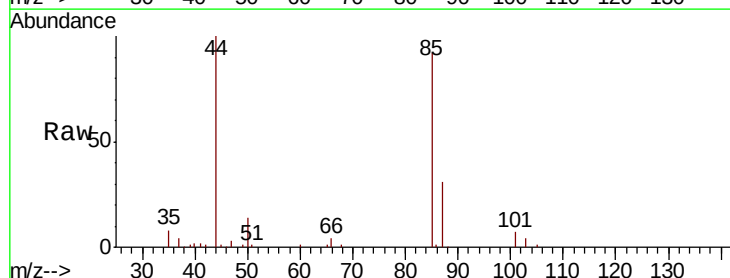
Manual Integrations
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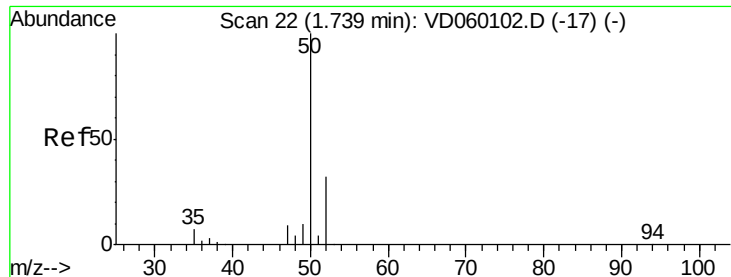
apatel
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#2
Dichlorodifluoromethane
Concen: 16.954 ug/l
RT: 1.56 min Scan# 4
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion: 85 Resp: 248508
Ion Ratio Lower Upper
85 100
87 33.6 15.9 47.6





#3

Chloromethane

Concen: 21.885 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 50 Resp: 289264

Ion Ratio Lower Upper

50 100

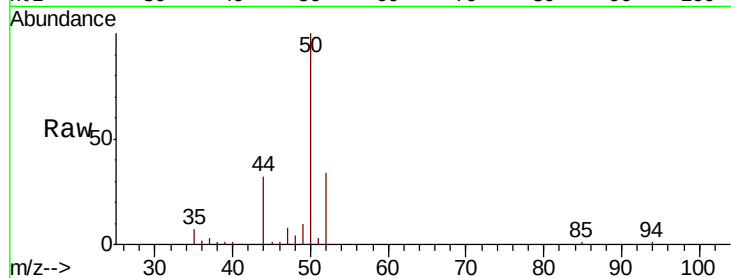
52 33.6 25.3 37.9

Manual Integrations

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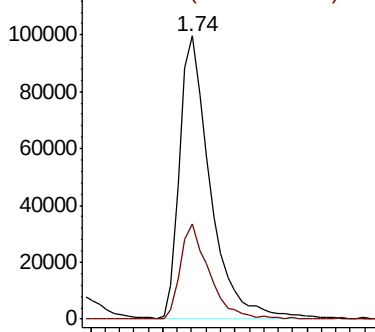
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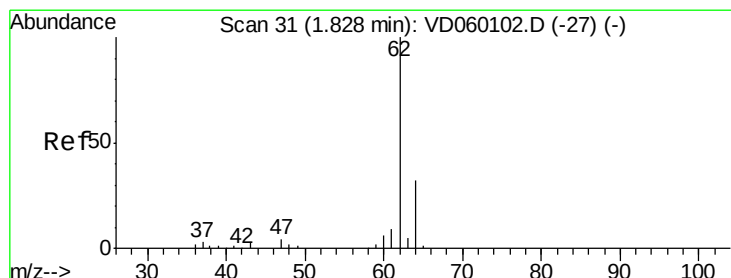
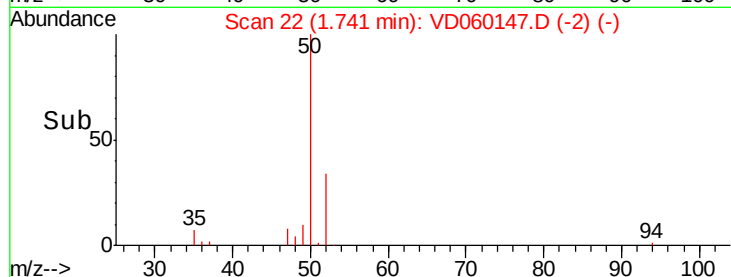


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 20.809 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060147.D

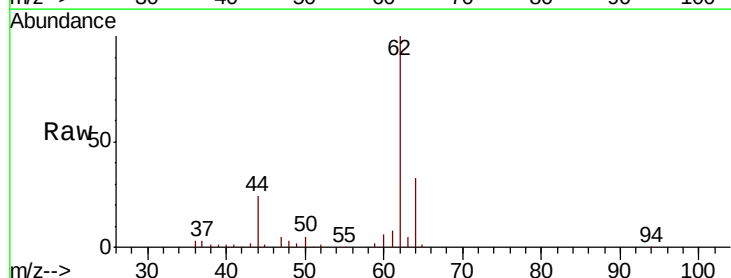
Acq: 9 Oct 2018 12:11

Tgt Ion: 62 Resp: 225090

Ion Ratio Lower Upper

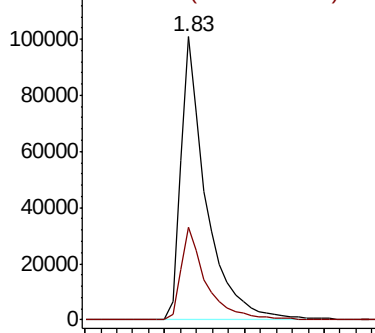
62 100

64 32.9 25.2 37.8

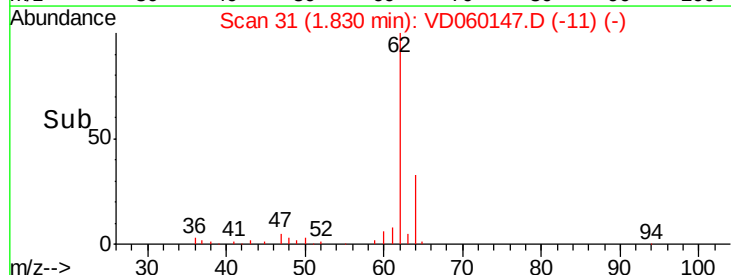


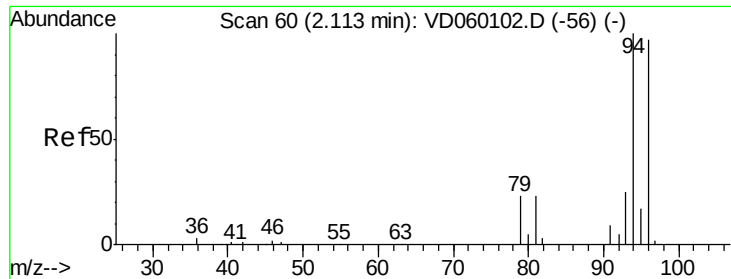
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 15.078 ug/l

RT: 2.11 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 94 Resp: 20479

Ion Ratio Lower Upper

94 100

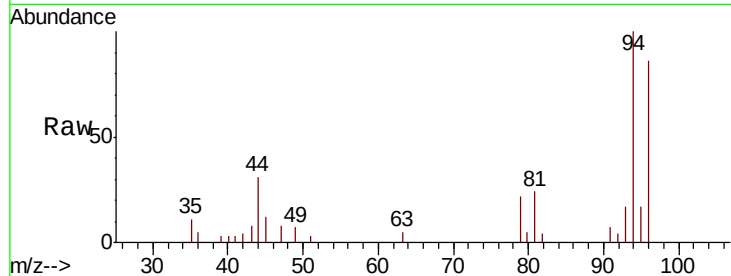
96 85.5 77.4 116.2

Manual Integrations

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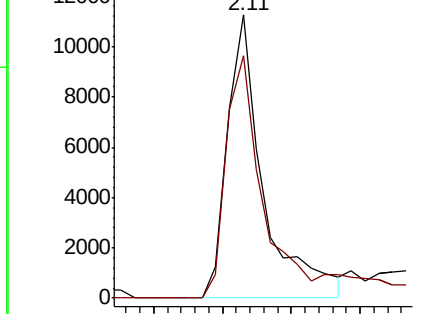
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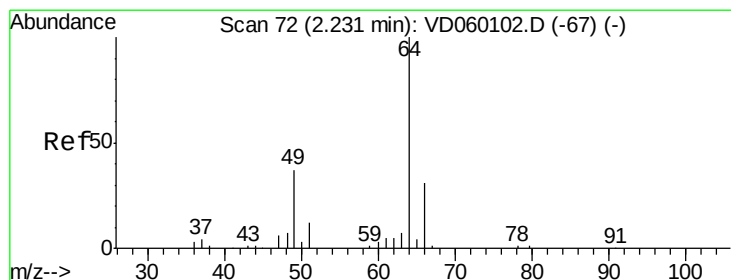
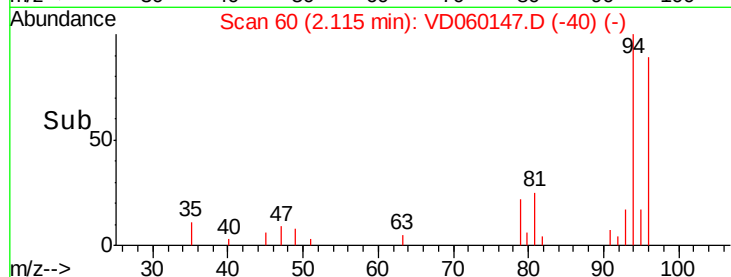


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 16.822 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060147.D

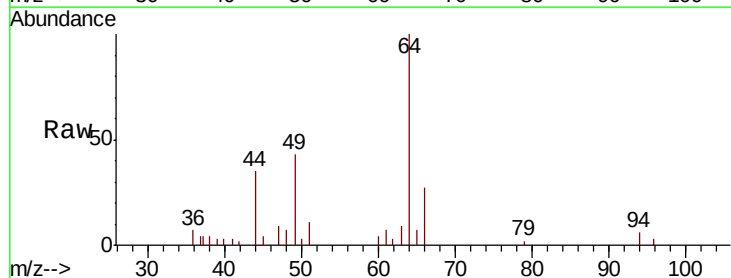
Acq: 9 Oct 2018 12:11

Tgt Ion: 64 Resp: 49654

Ion Ratio Lower Upper

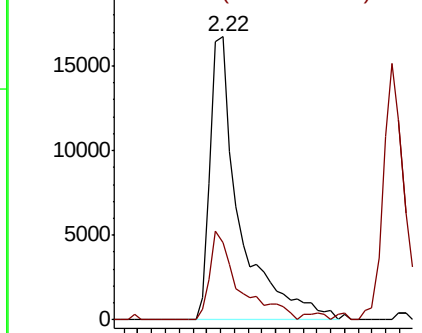
64 100

66 27.3 24.6 37.0

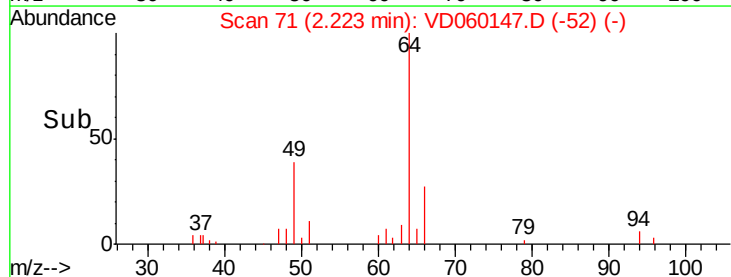


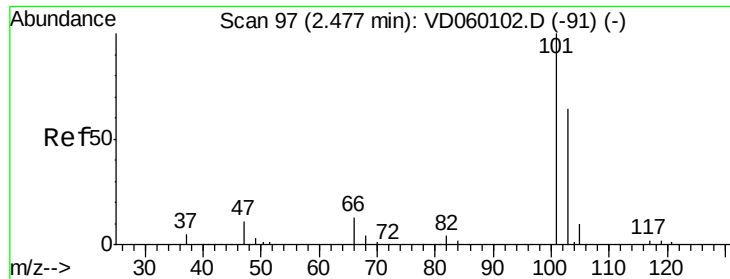
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

Trichlorofluoromethane

Concen: 19.236 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion:101 Resp: 249140

Ion Ratio Lower Upper

101 100

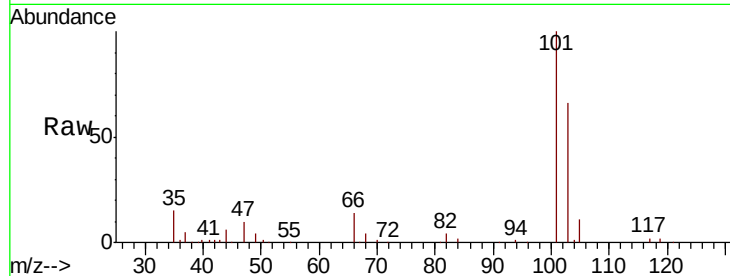
103 65.6 51.5 77.3

Manual Integrations

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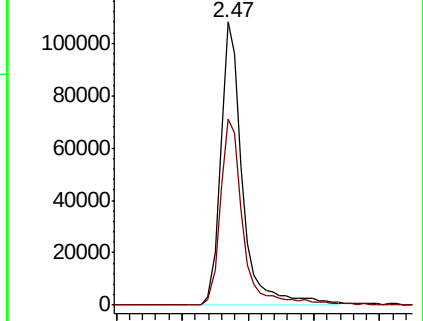
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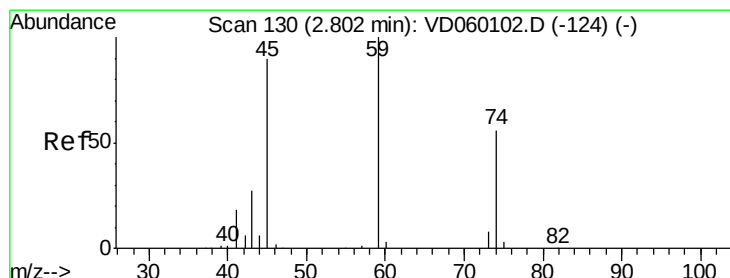
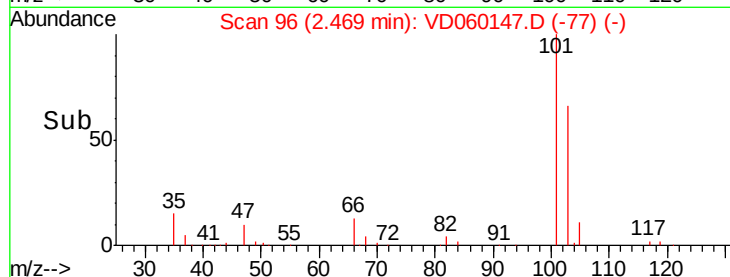


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



Time-->



#8

Diethyl Ether

Concen: 22.976 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.01 min

Lab File: VD060147.D

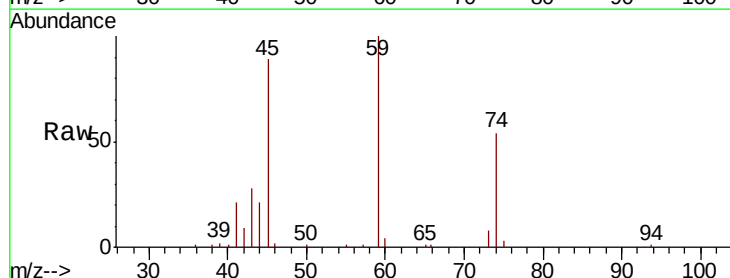
Acq: 9 Oct 2018 12:11

Tgt Ion: 74 Resp: 61191

Ion Ratio Lower Upper

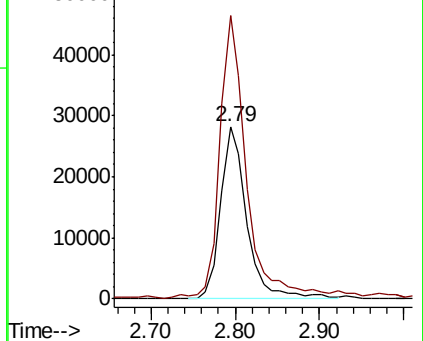
74 100

45 164.5 80.3 241.0

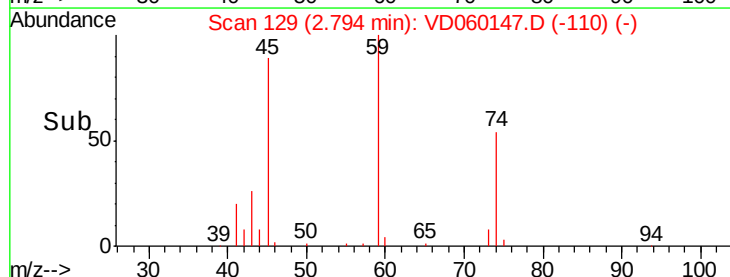


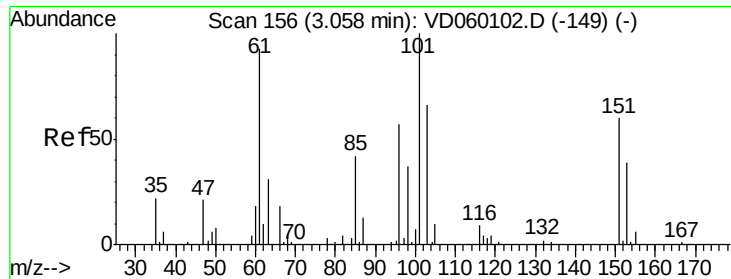
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.192 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

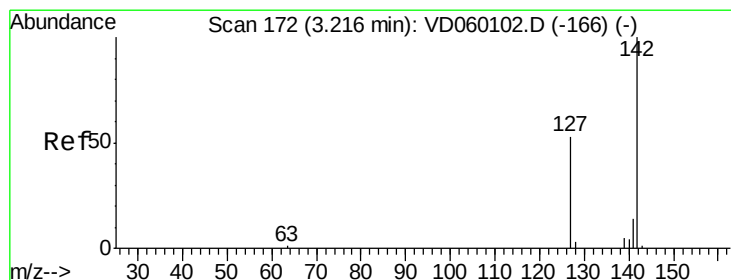
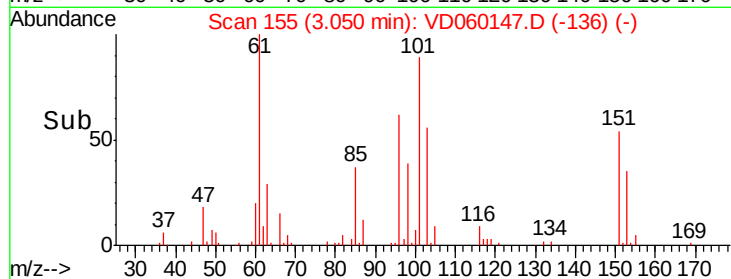
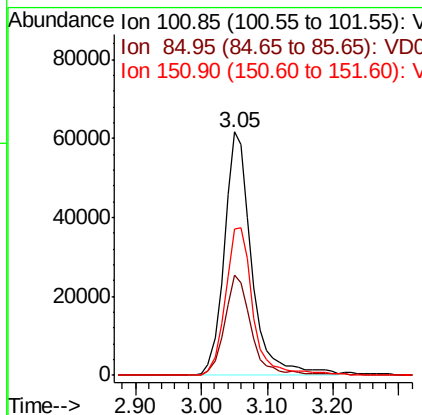
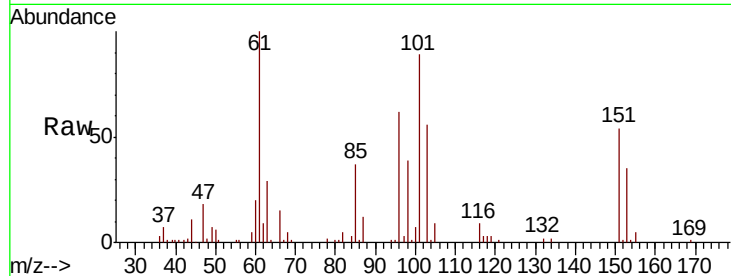
ClientSampleId :

VD1009SBS01

Tot Ion:	101	Resp:	179065
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	60.3	48.0	72.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.279 ug/l

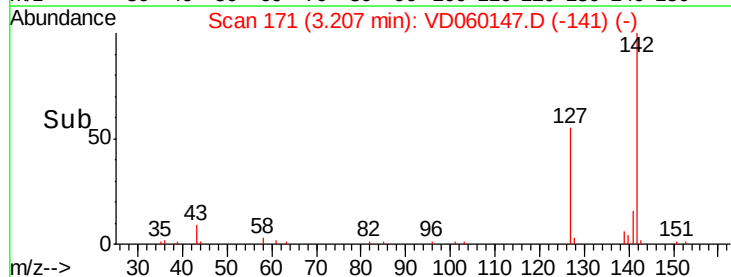
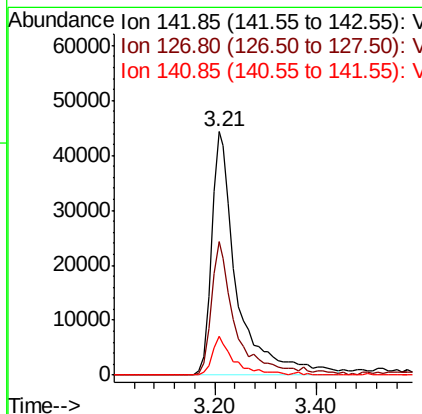
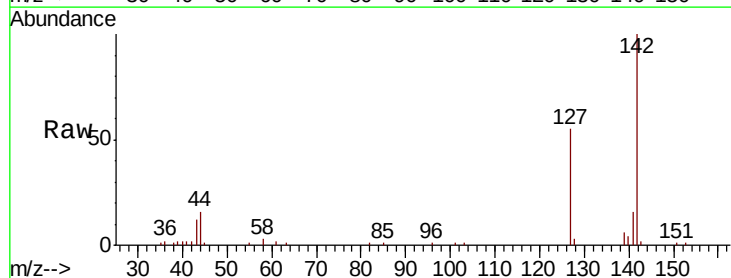
RT: 3.21 min Scan# 171

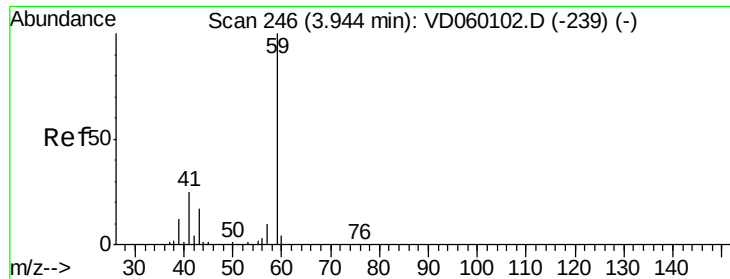
Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion:	142	Resp:	156410
Ion Ratio	Lower	Upper	
142	100		
127	55.0	42.0	63.0
141	15.7	11.4	17.0





#11

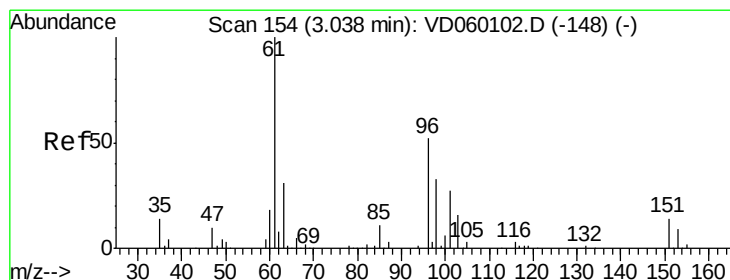
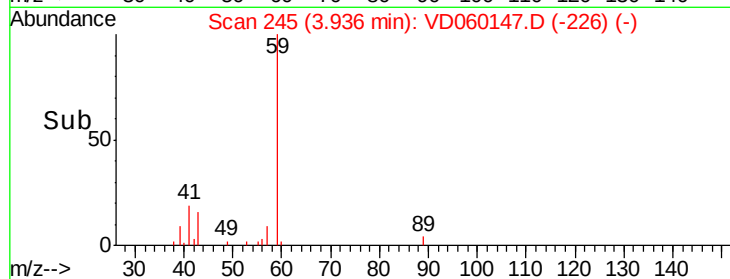
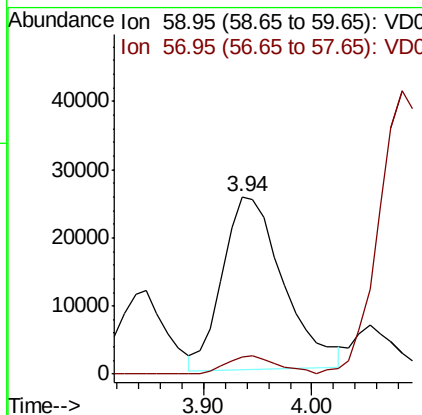
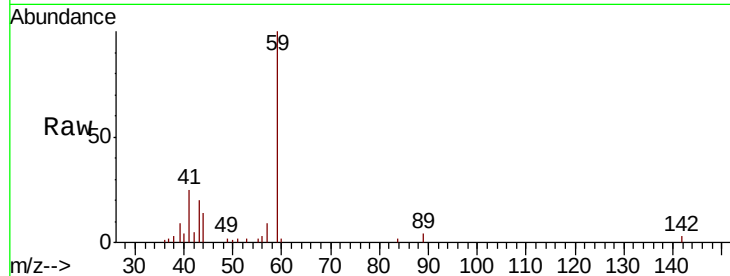
Tert butyl alcohol
Concen: 116.332 ug/l
RT: 3.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	59	Resp	98548
Ion Ratio	100	Lower	Upper
57	9.3	7.8	11.6

Manual Integrations
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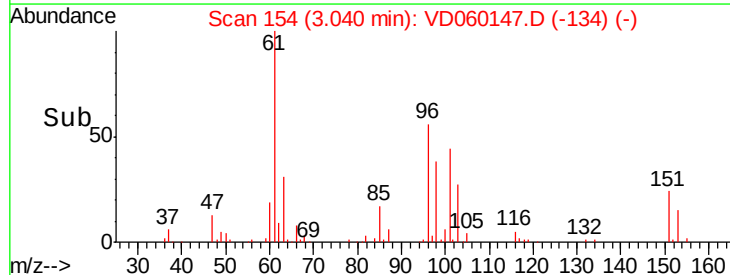
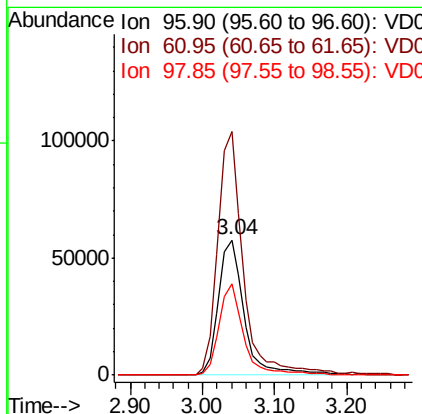
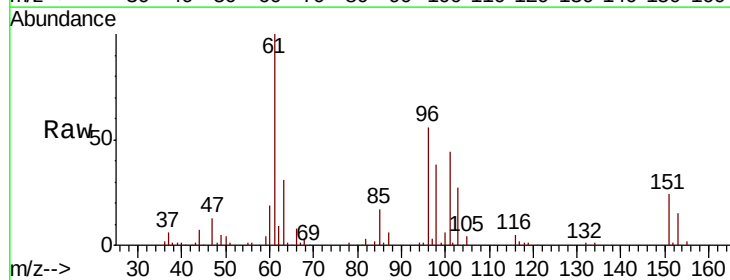
apatel
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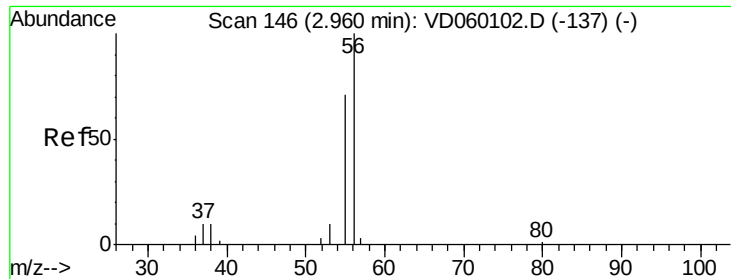


#12

1,1-Dichloroethene
Concen: 22.340 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	96	Resp	142002
Ion Ratio	100	Lower	Upper
61	179.9	153.0	229.4
98	67.7	51.1	76.7





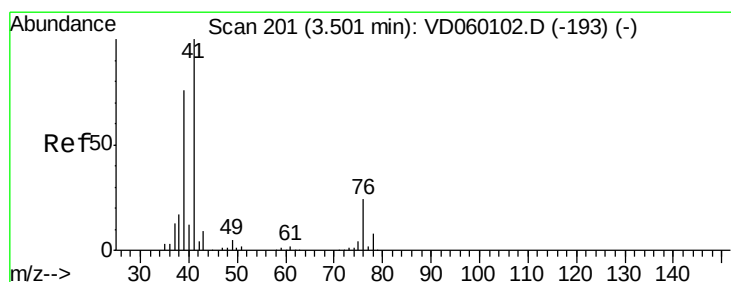
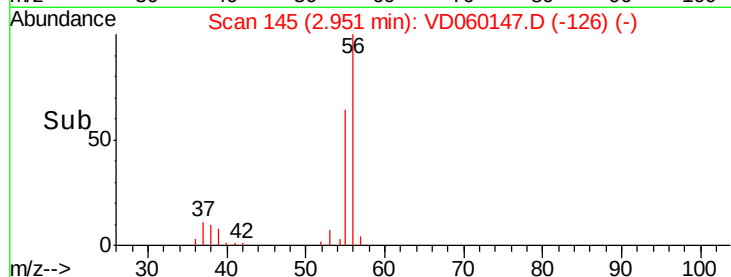
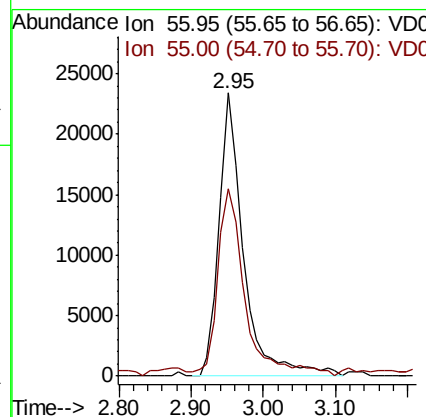
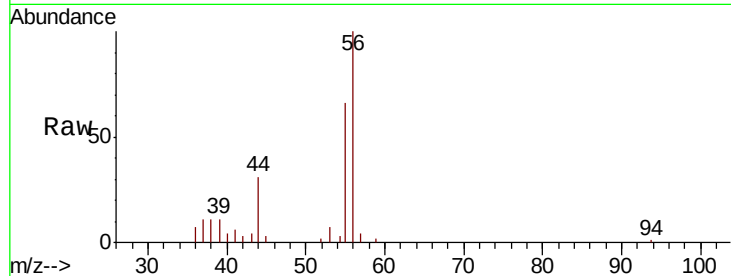
#13
Acrolein
Concen: 104.862 ug/l
RT: 2.95 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	56	55	Ratio	100	66.3	Resp	54760	Lower	57.4	Upper	86.2
56	100										
55		66.3									

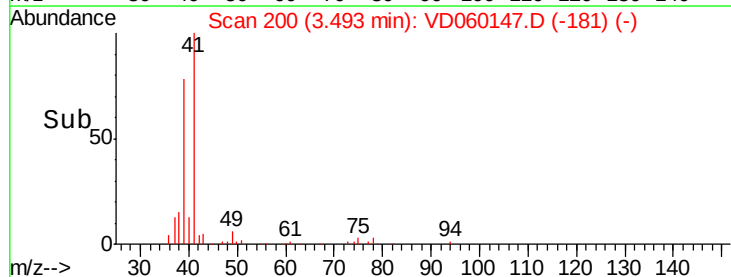
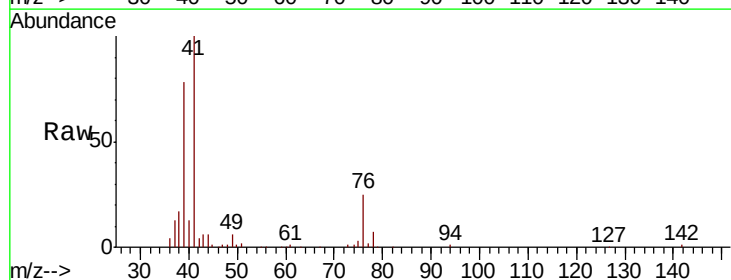
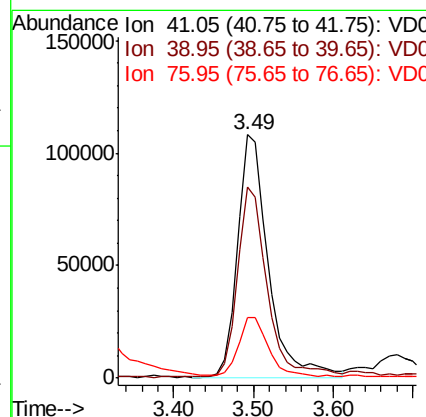
Manual Integrations
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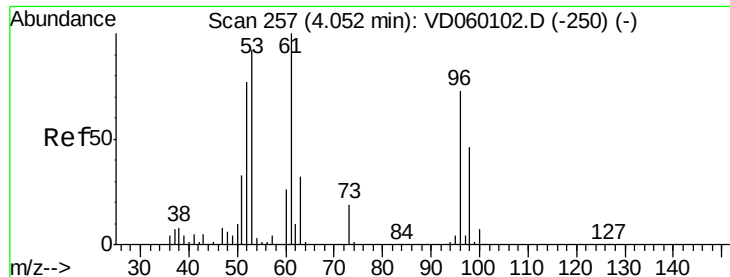
apatel
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#14
Allyl chloride
Concen: 21.961 ug/l
RT: 3.49 min Scan# 200
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	41	39	76	Ratio	100	78.4	24.8	Resp	289927	Lower	60.6	Upper	90.8	31.9
41	100													
39		78.4												
76			24.8											





#15

Acrylonitrile

Concen: 115.005 ug/l

RT: 4.04 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

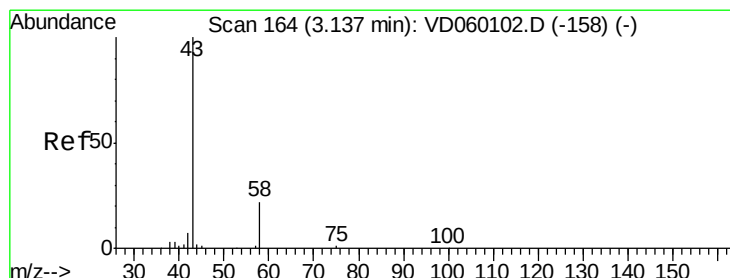
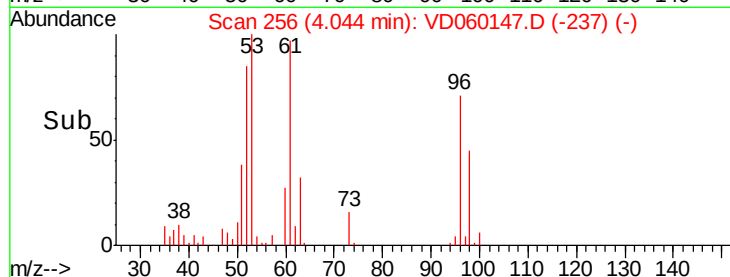
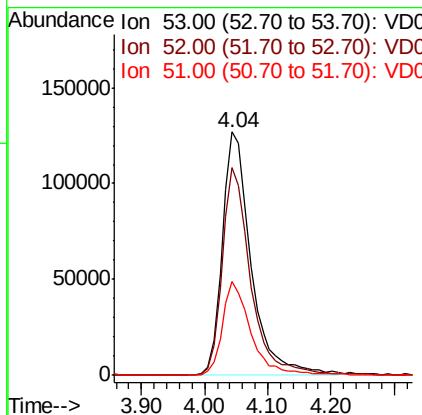
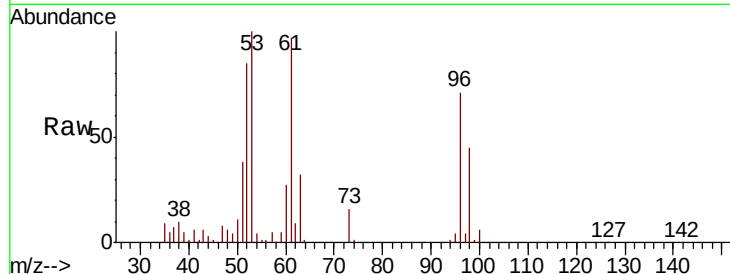
ClientSampleId :

VD1009SBS01

Tot Ion:	53	Resp:	403249
Ion	Ratio	Lower	Upper
53	100		
52	85.3	67.5	101.3
51	38.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 122.857 ug/l

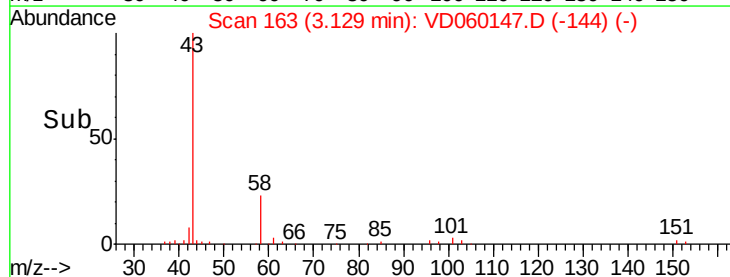
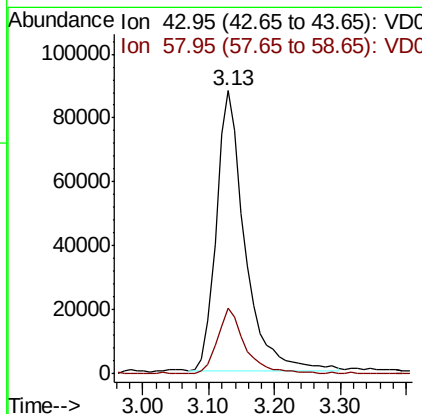
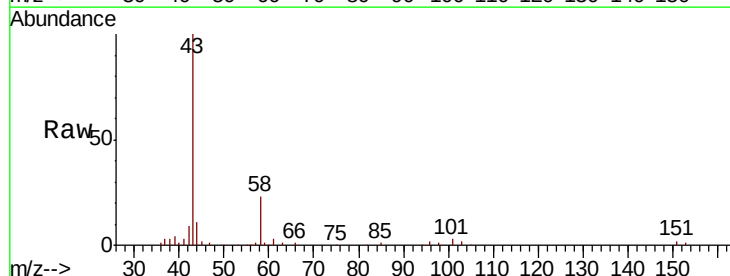
RT: 3.13 min Scan# 163

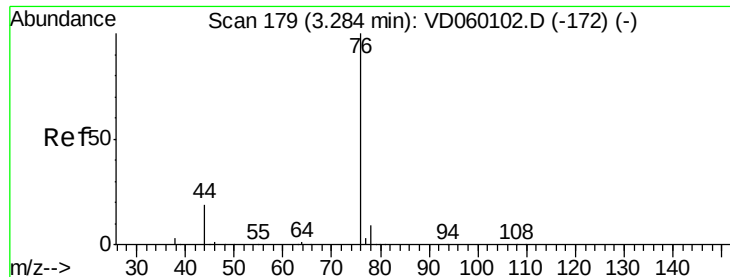
Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion:	43	Resp:	263319
Ion	Ratio	Lower	Upper
43	100		
58	23.1	17.7	26.5





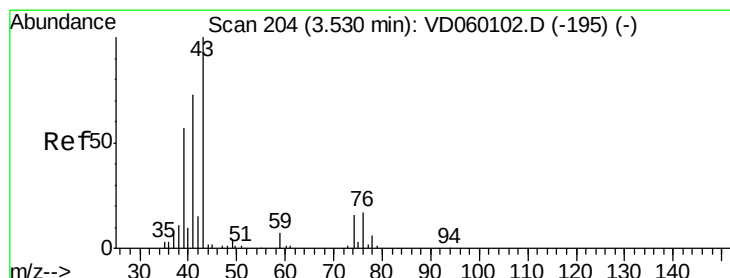
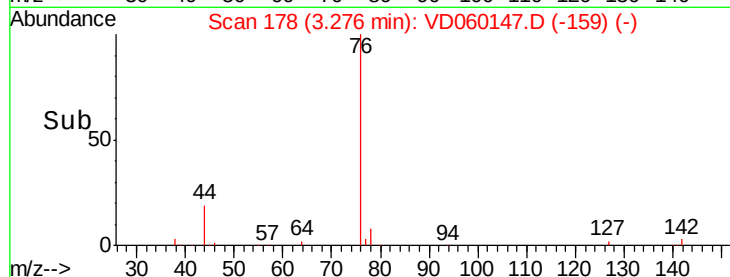
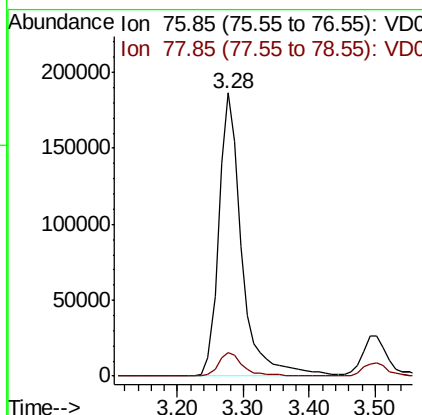
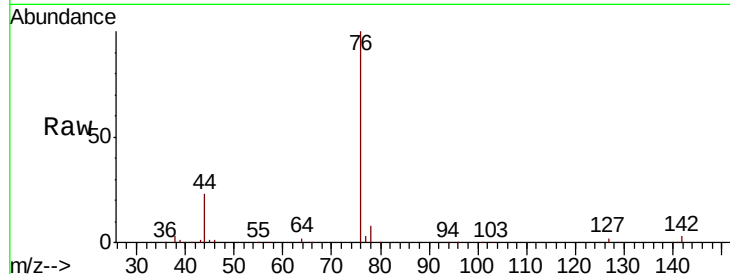
#17
Carbon Disulfide
Concen: 21.119 ug/l
RT: 3.28 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	76	Resp	451438
Ion Ratio	Lower	Upper	
76	100		
78	8.5	7.4	11.2

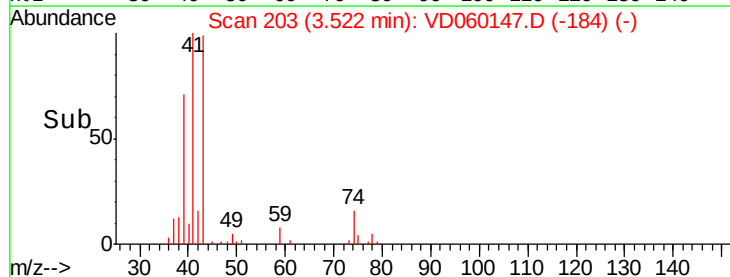
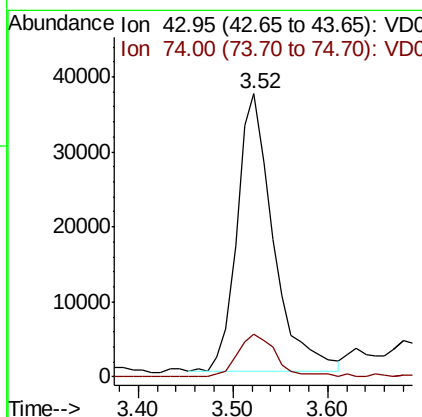
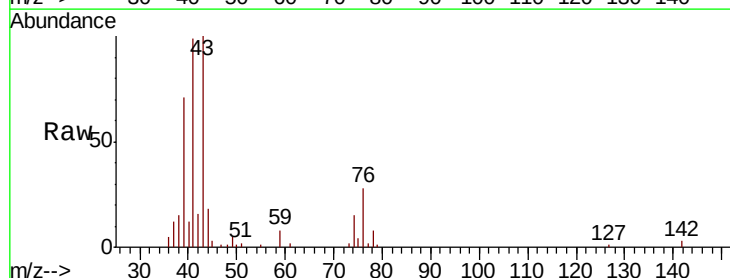
Manual Integrations
APPROVED

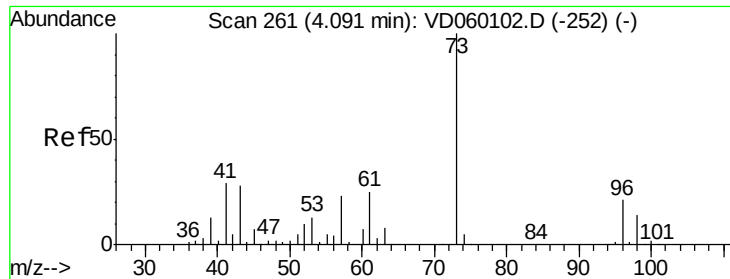
apatel
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#18
Methyl Acetate
Concen: 21.369 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	43	Resp	98439
Ion Ratio	Lower	Upper	
43	100		
74	15.2	12.6	19.0





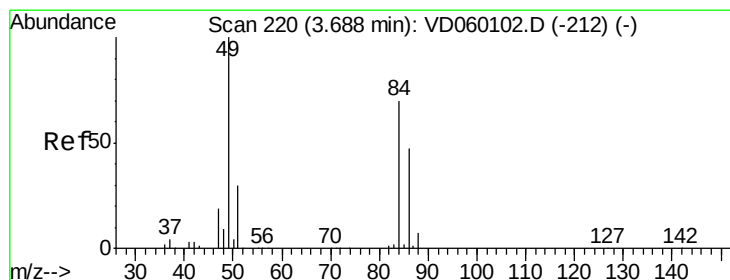
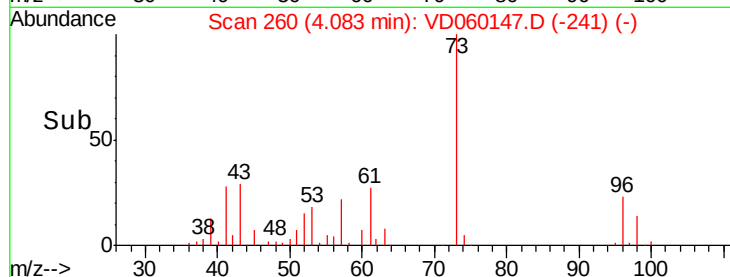
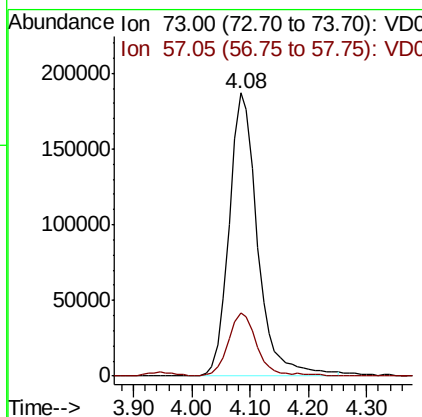
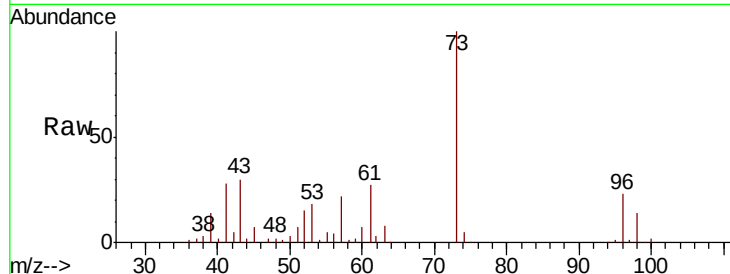
#19
Methyl tert-butyl Ether
Concen: 22.750 ug/l
RT: 4.08 min Scan# 260
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 73 Resp: 635809
Ion Ratio Lower Upper
73 100
57 22.2 18.7 28.1

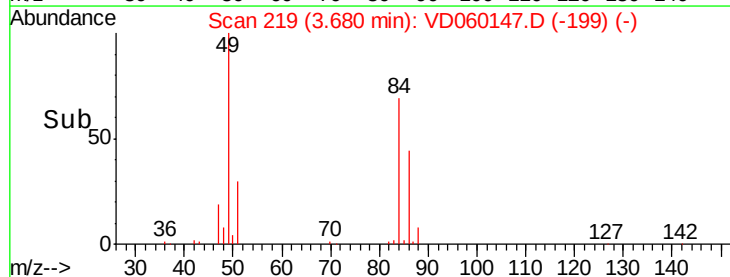
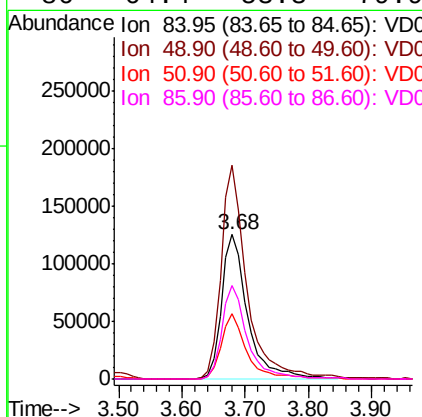
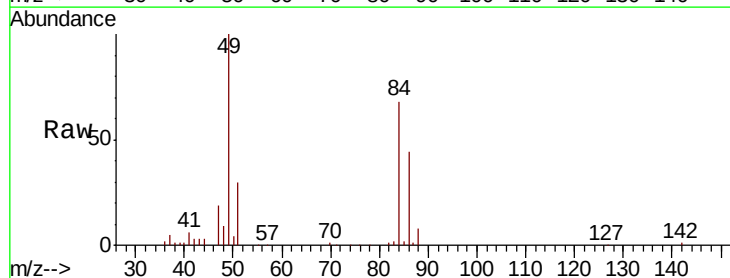
Manual Integrations
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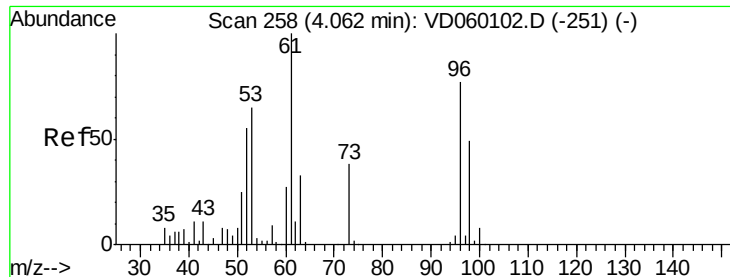
apatel
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#20
Methylene Chloride
Concen: 18.689 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion: 84 Resp: 360734
Ion Ratio Lower Upper
84 100
49 148.1 114.6 172.0
51 44.9 33.8 50.8
86 64.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.924 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

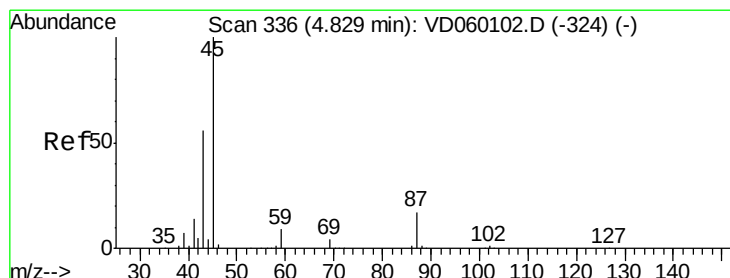
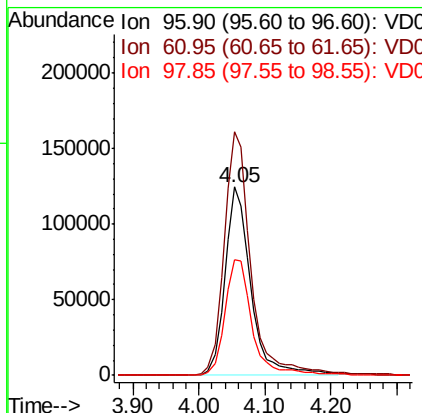
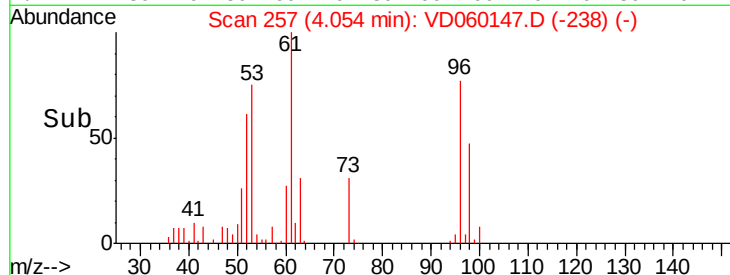
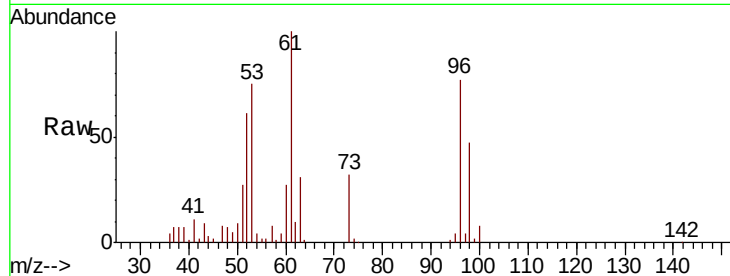
ClientSampleId :

VD1009SBS01

Tot Ion:	96	Resp:	343507
Ion	Ratio	Lower	Upper
96	100		
61	129.3	103.3	154.9
98	61.3	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.224 ug/l

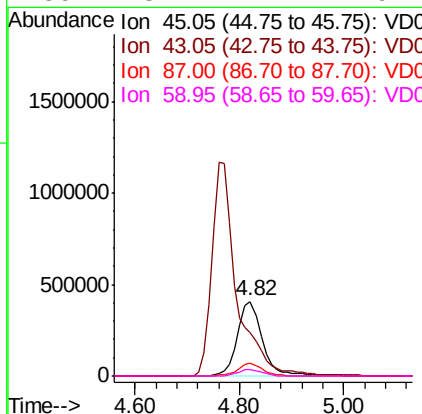
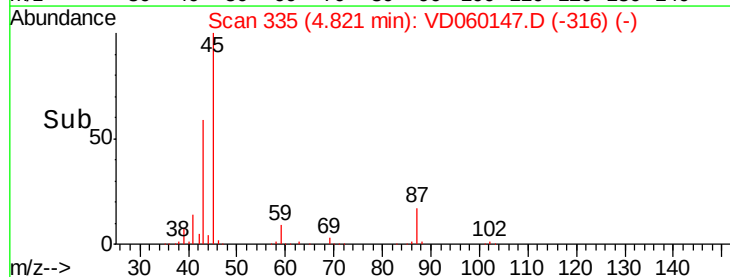
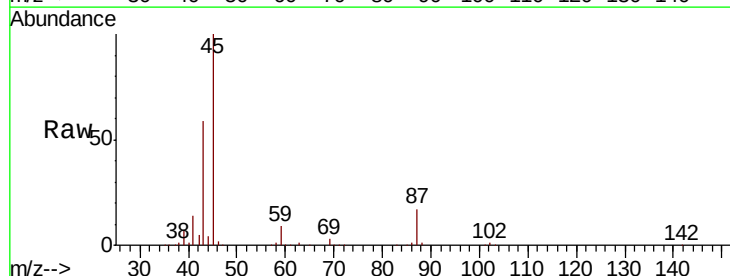
RT: 4.82 min Scan# 335

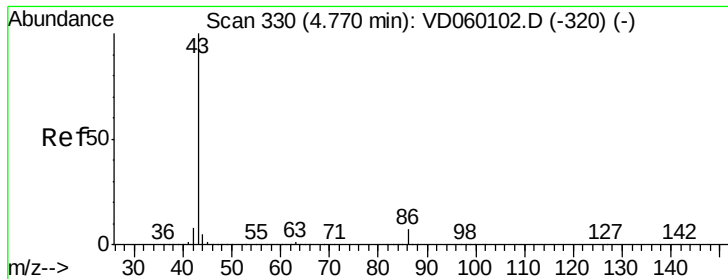
Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion:	45	Resp:	1310320
Ion	Ratio	Lower	Upper
45	100		
43	58.6	44.8	67.2
87	16.6	13.9	20.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 115.689 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 43 Resp: 3834076

Ion Ratio Lower Upper

43 100

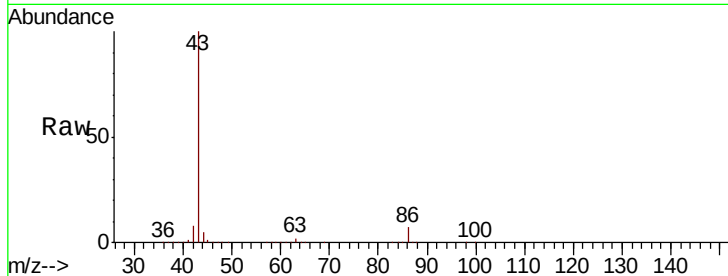
86 6.6 5.6 8.4

Manual Integrations

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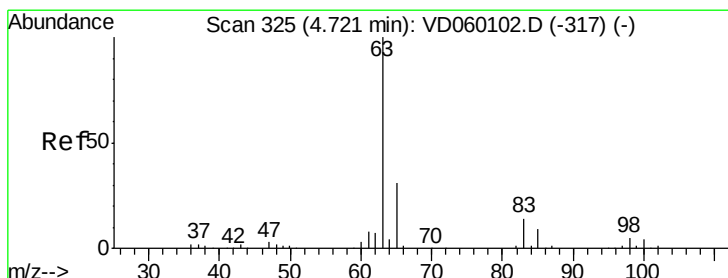
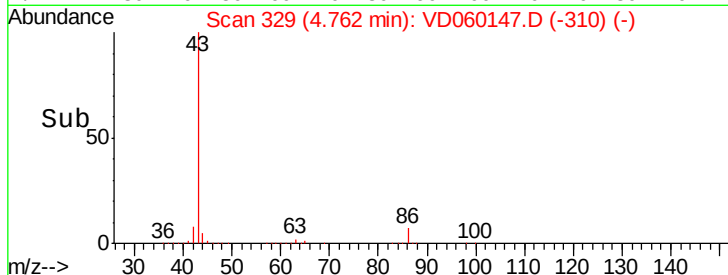
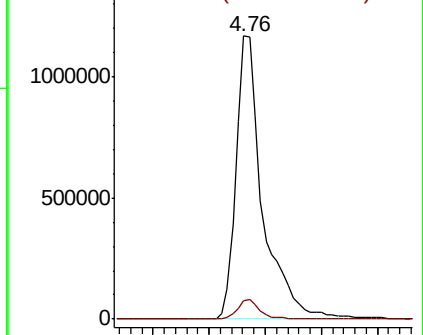
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.753 ug/l

RT: 4.71 min Scan# 324

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

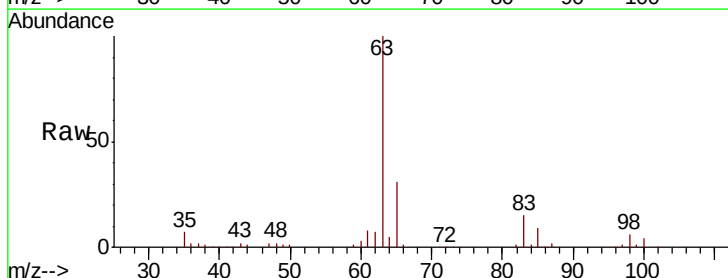
Tgt Ion: 63 Resp: 581513

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

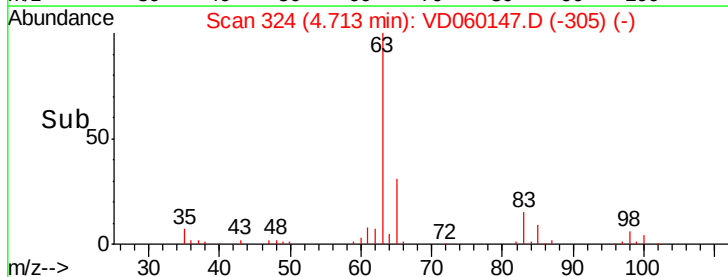
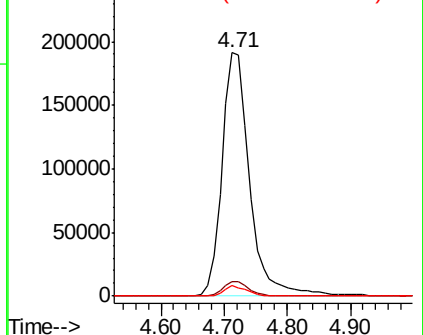
100 4.2 1.8 5.3

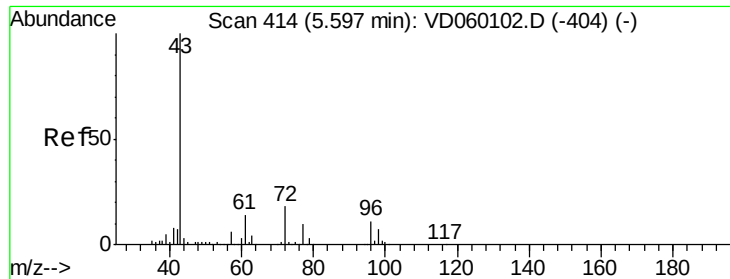


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.257 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 43 Resp: 638561

Ion Ratio Lower Upper

43 100

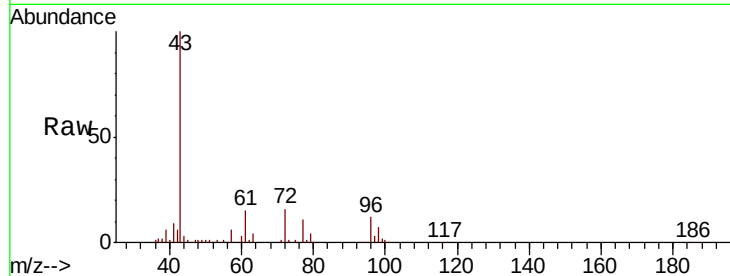
72 16.1 14.5 21.7

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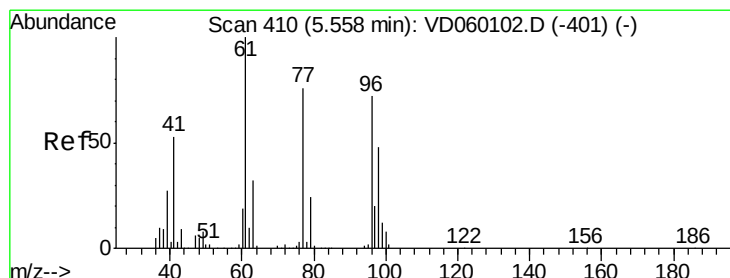
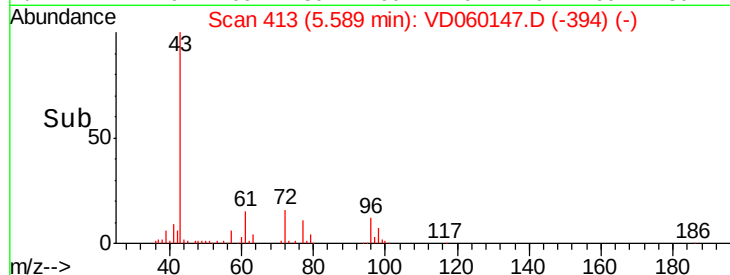
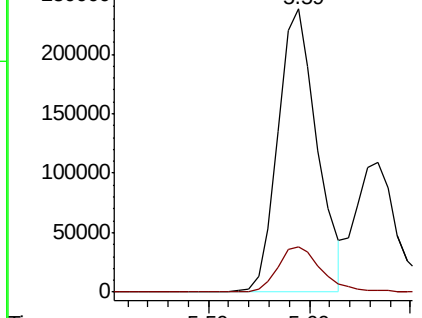
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.552 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060147.D

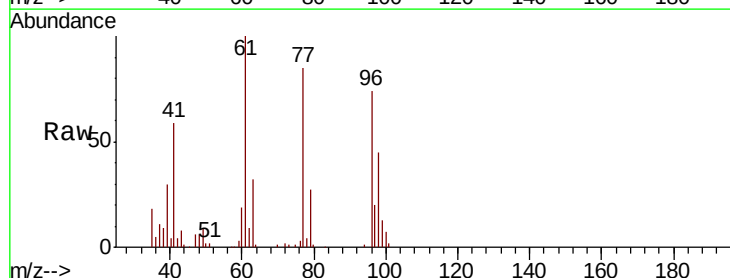
Acq: 9 Oct 2018 12:11

Tgt Ion: 77 Resp: 457030

Ion Ratio Lower Upper

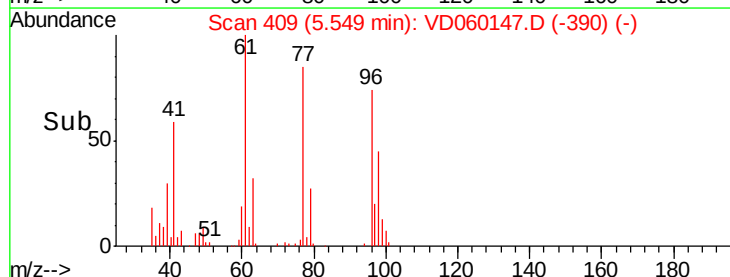
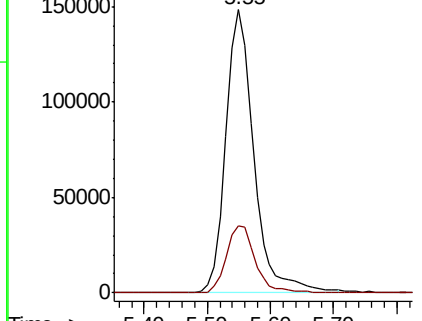
77 100

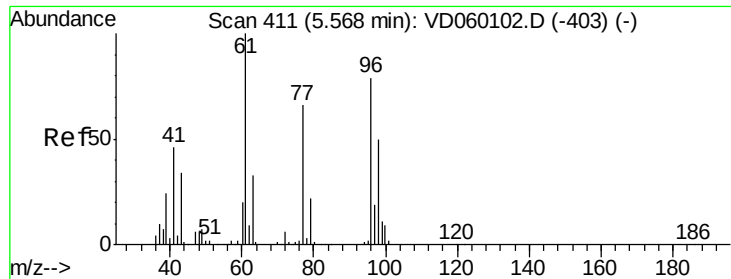
97 23.8 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

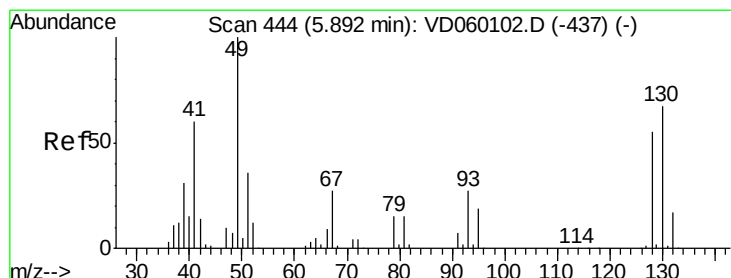
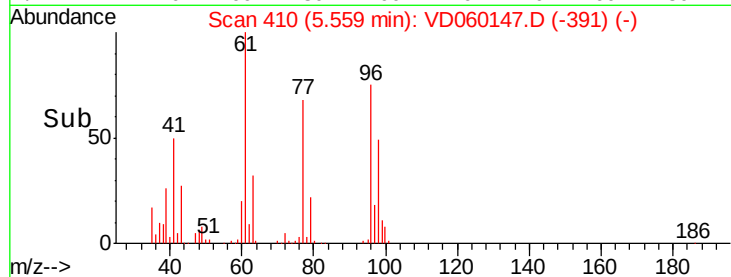
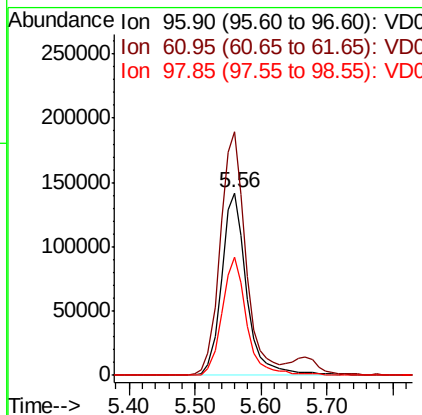
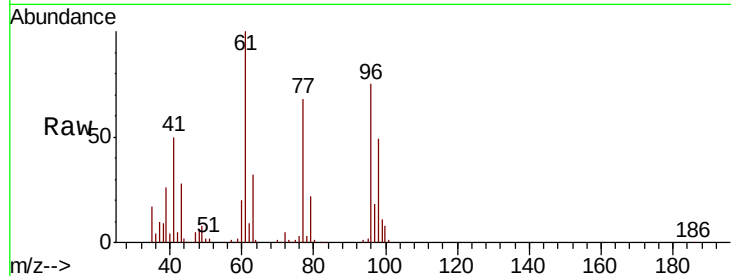
cis-1,2-Dichloroethene
 Concen: 21.593 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	375587		
61	133.6	0.0	251.8	
98	65.2	0.0	125.2	

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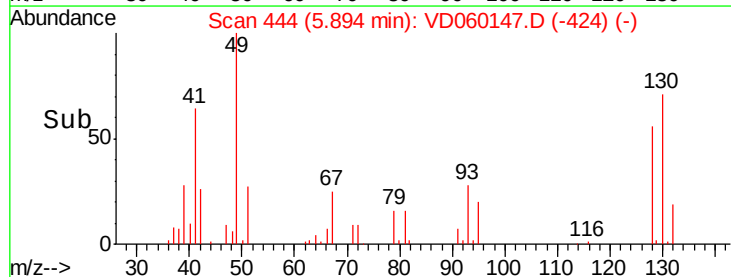
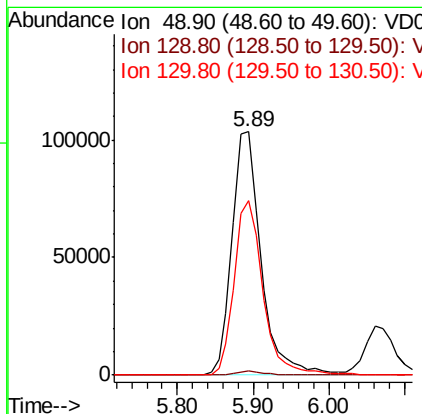
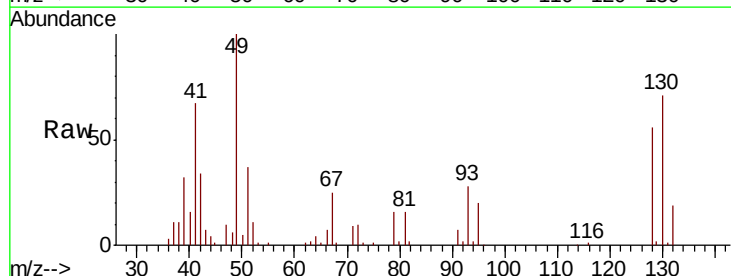
apatel
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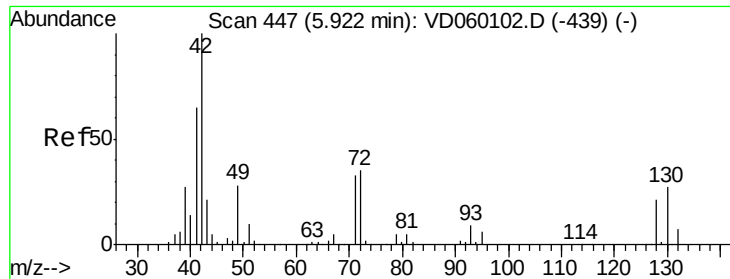


#28

Bromochloromethane
 Concen: 21.153 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	274787		
129	1.9	0.0	3.6	
130	71.4	53.9	80.9	





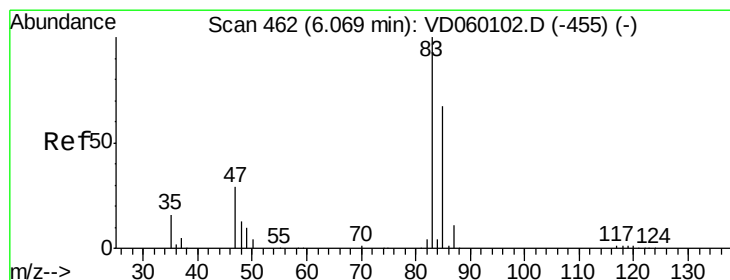
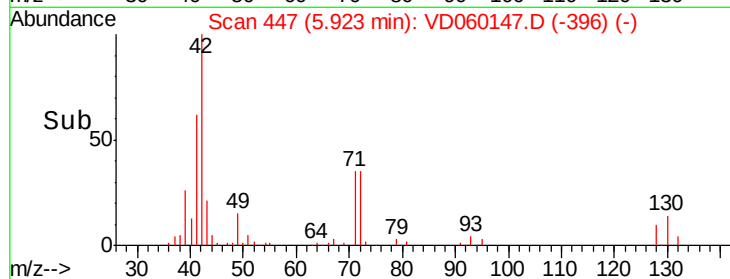
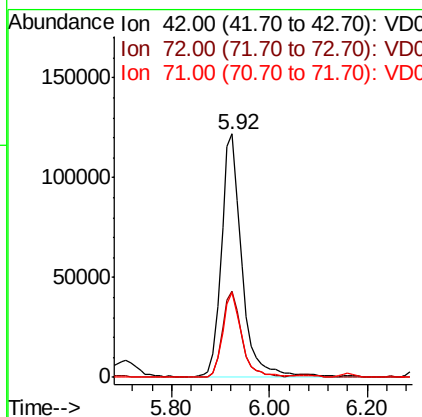
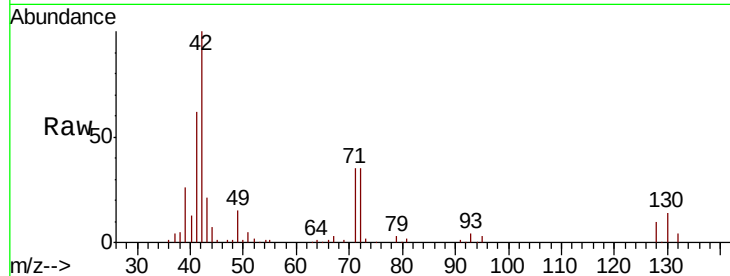
#29
Tetrahydrofuran
Concen: 114.496 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	26.9	40.3
71	32.3	26.7	40.1

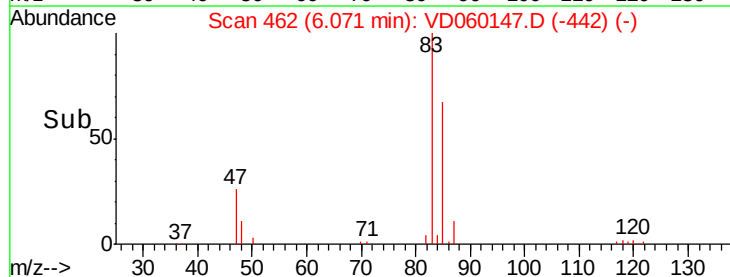
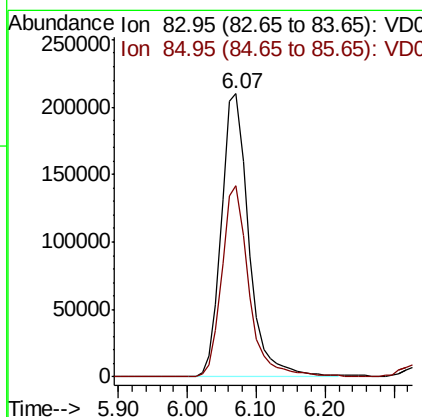
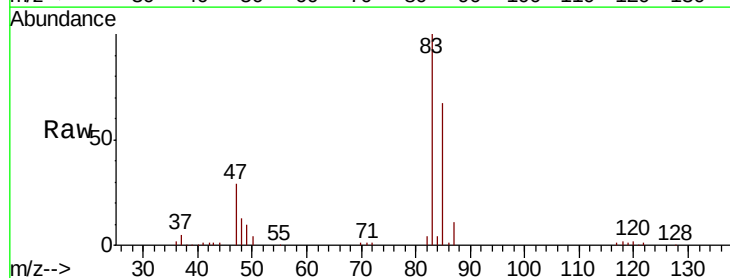
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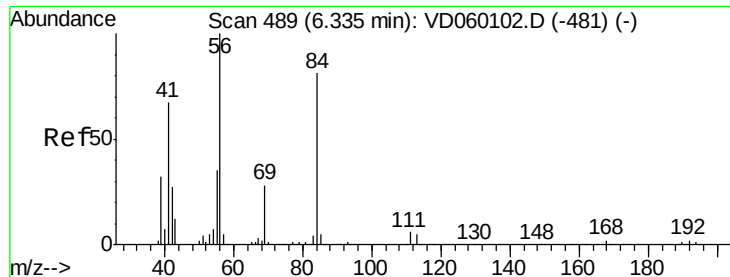
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#30
Chloroform
Concen: 21.501 ug/l
RT: 6.07 min Scan# 462
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.8	80.8





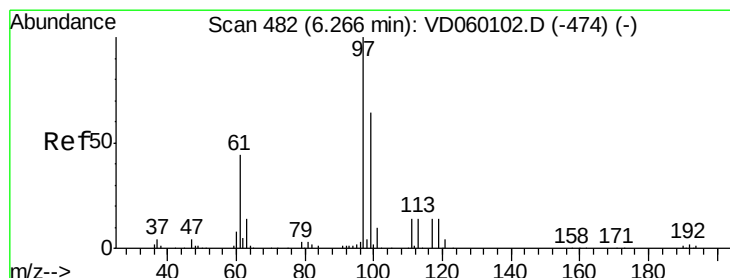
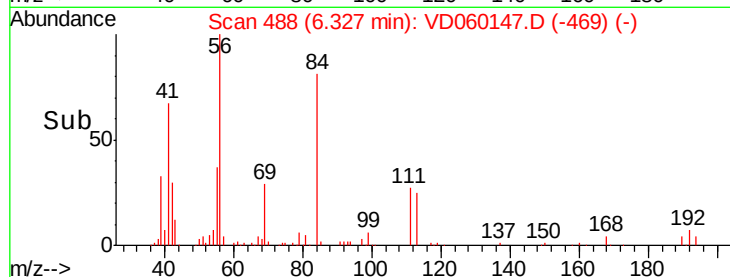
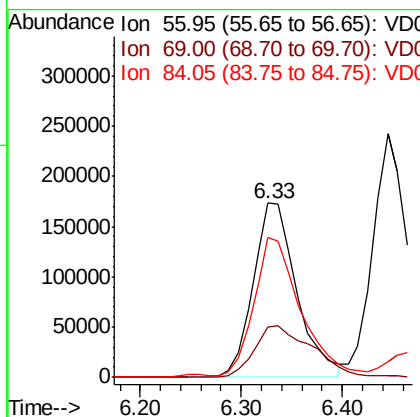
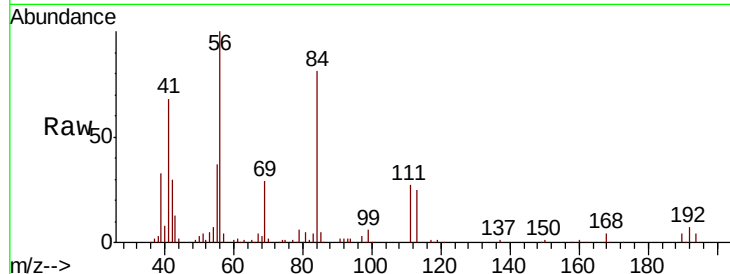
#31
Cyclohexane
Concen: 20.356 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.8	34.2
84	80.8	64.9	97.3

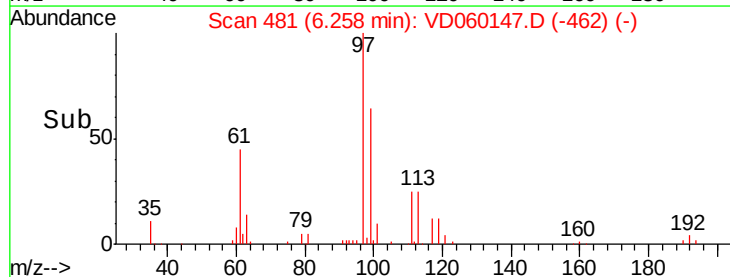
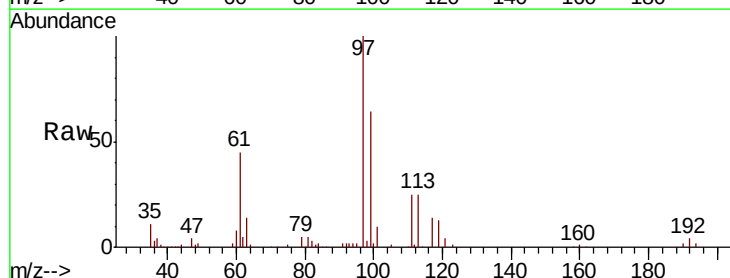
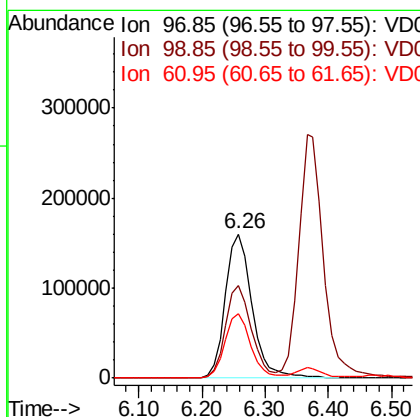
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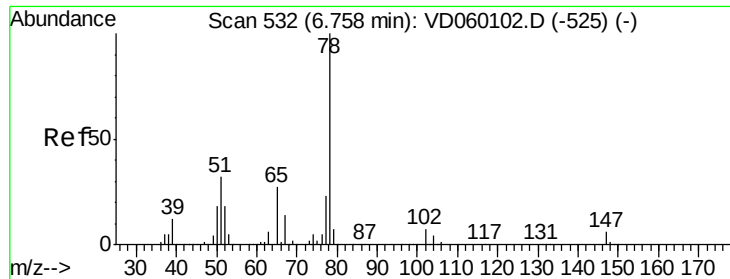
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.212 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	44.8	35.5	53.3





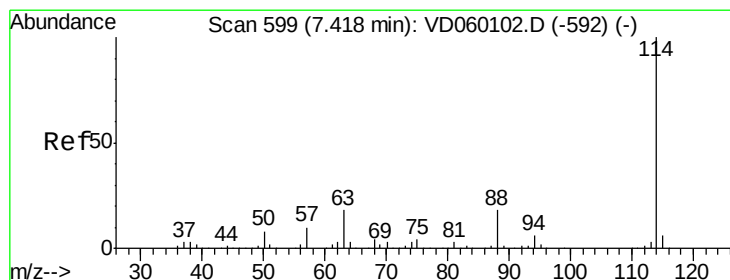
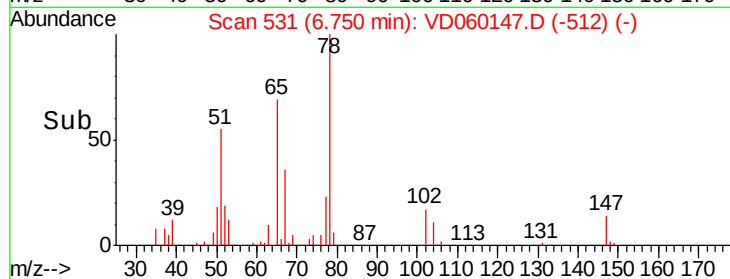
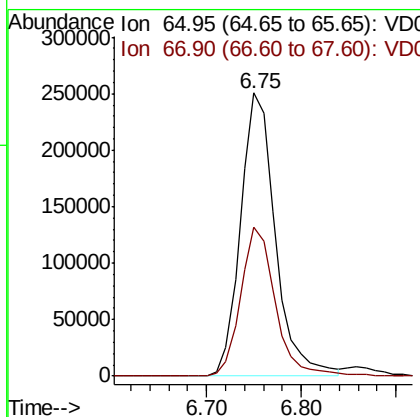
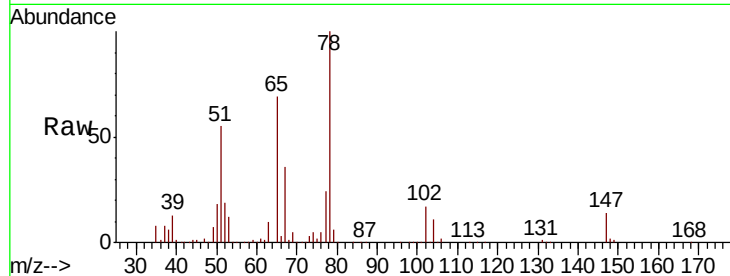
#33
 1,2-Dichloroethane-d4
 Concen: 21.212 ug/l
 RT: 6.75 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	106.2	

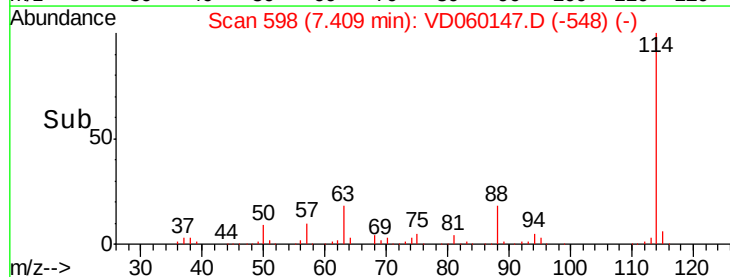
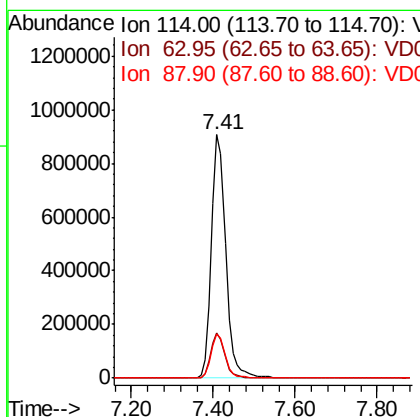
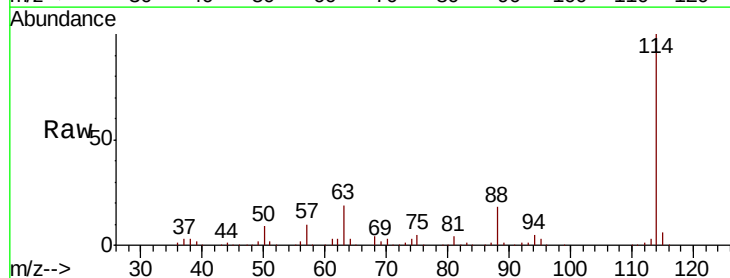
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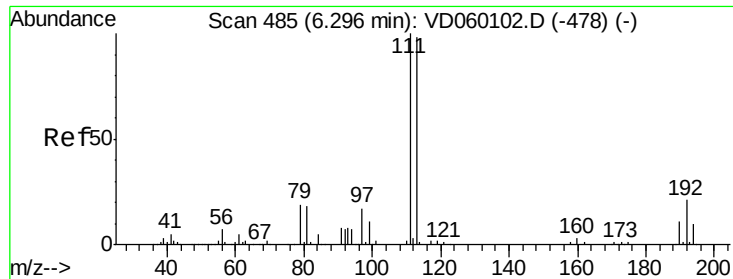
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	36.0	
88	18.2	0.0	36.2	





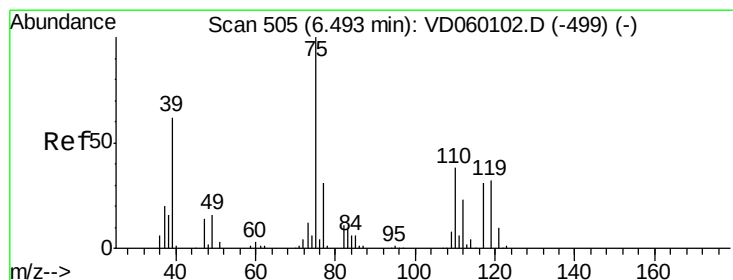
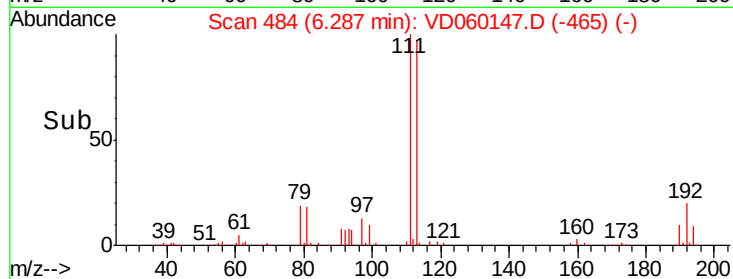
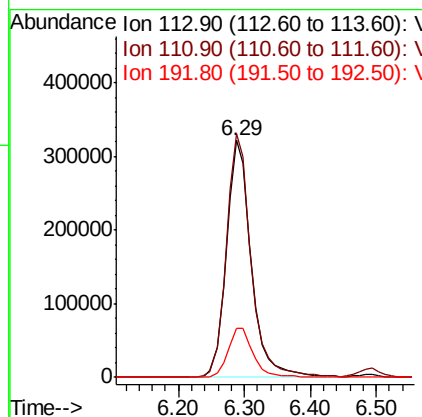
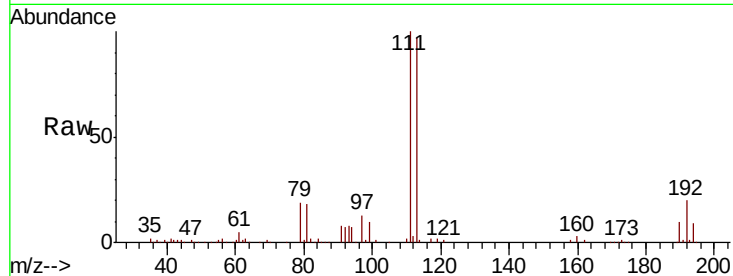
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.5	122.3	
192	20.9	17.4	26.0	

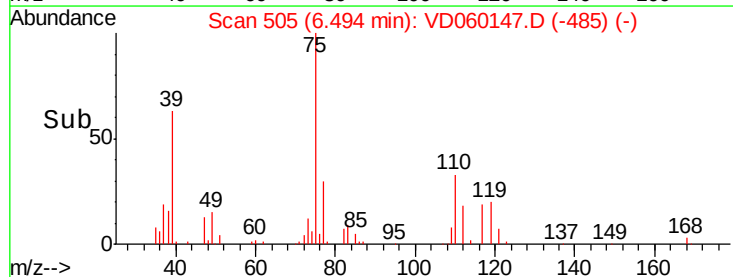
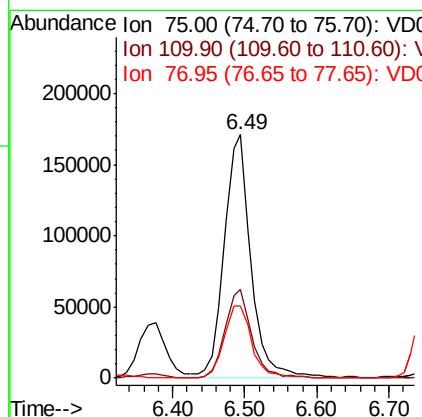
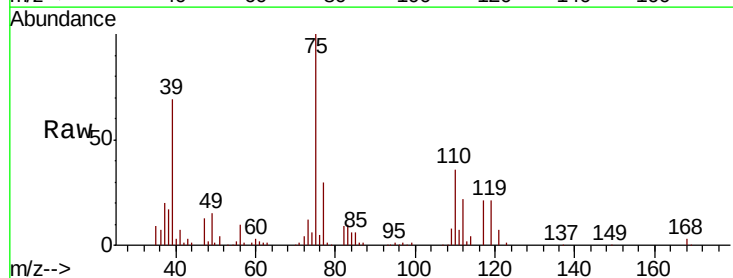
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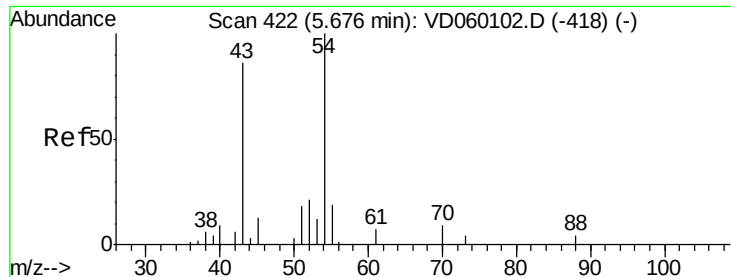
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#36
 1,1-Dichloropropene
 Concen: 20.466 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	19.0	57.0	
77	29.5	24.9	37.3	





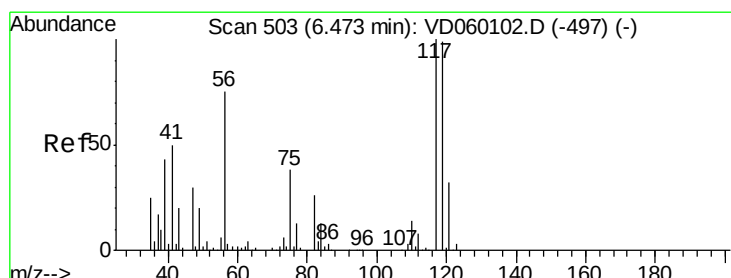
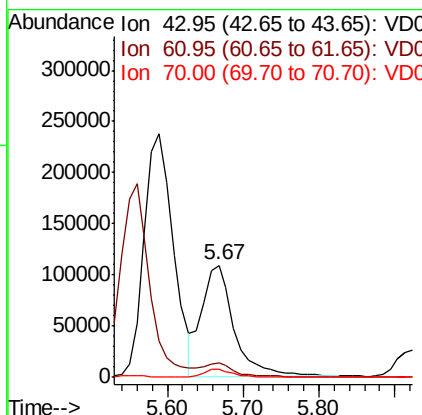
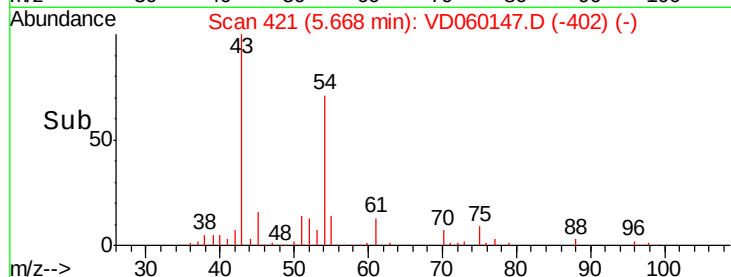
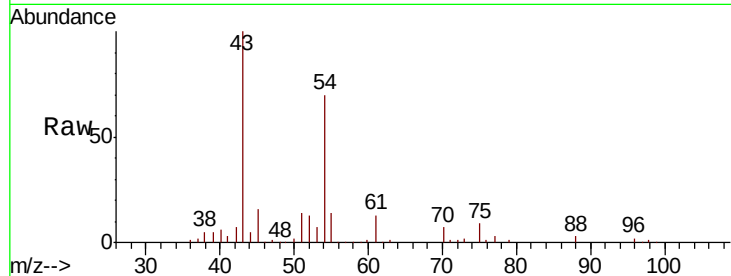
#37
Ethyl Acetate
Concen: 22.987 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 43 Resp: 321972
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 7.4 6.3 9.5

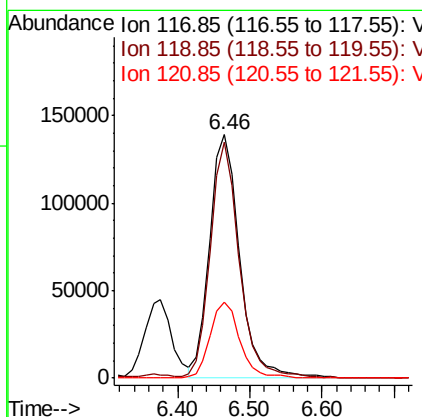
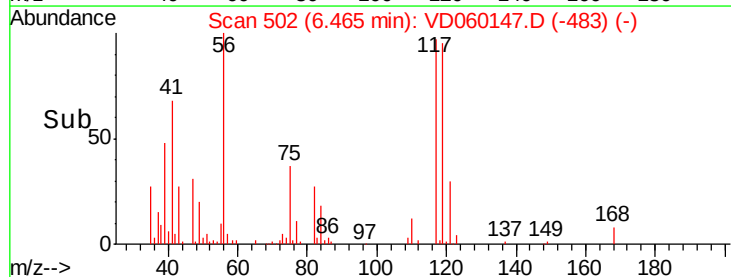
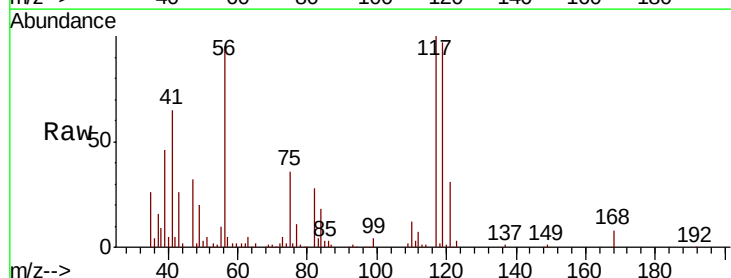
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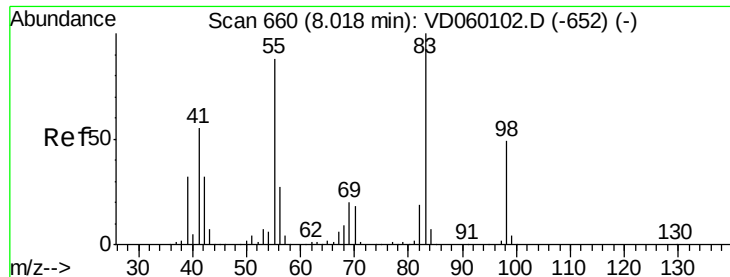
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#38
Carbon Tetrachloride
Concen: 20.646 ug/l
RT: 6.46 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion: 117 Resp: 395419
Ion Ratio Lower Upper
117 100
119 97.1 77.8 116.6
121 31.1 24.8 37.2





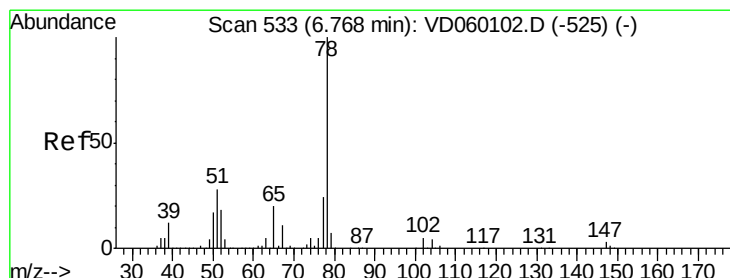
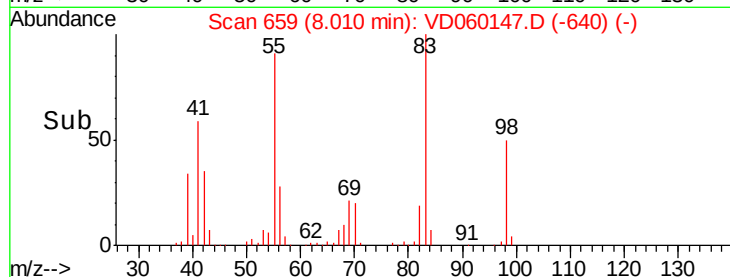
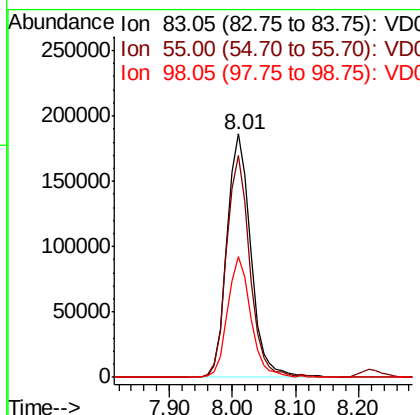
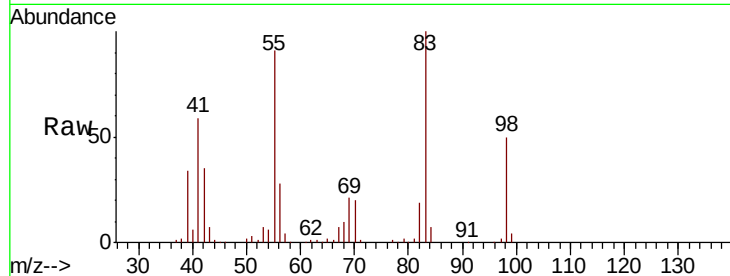
#39
Methylvlcyclohexane
Concen: 20.340 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 83 Resp: 487680
Ion Ratio Lower Upper
83 100
55 91.1 70.5 105.7
98 49.8 39.4 59.2

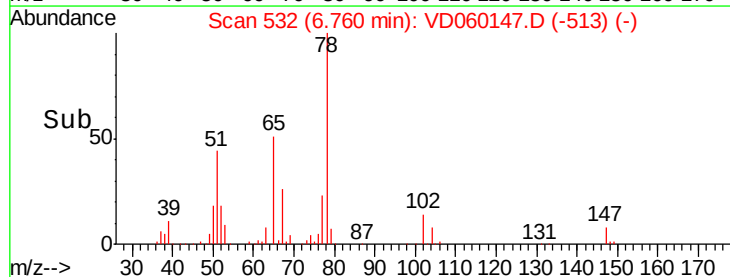
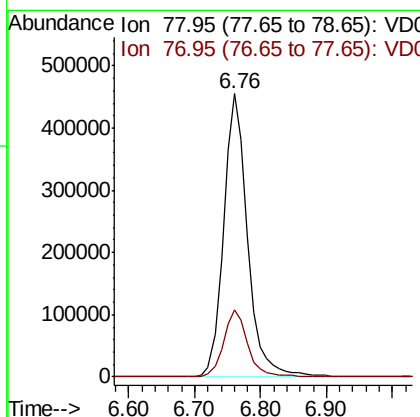
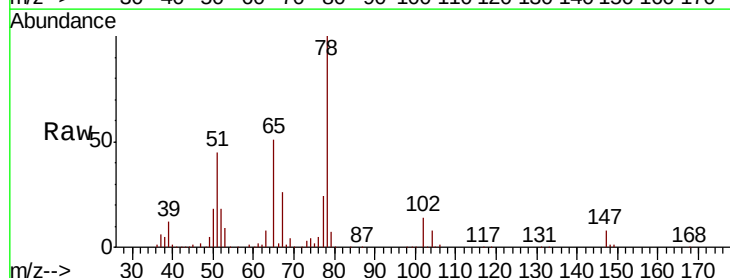
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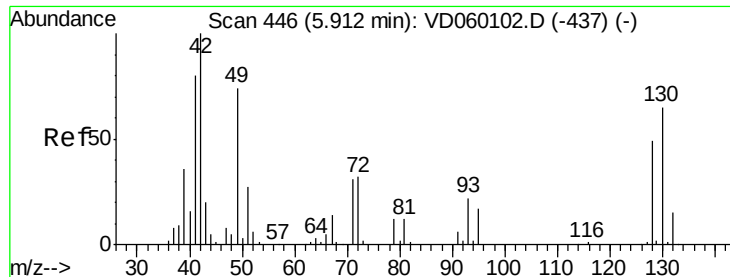
apatel
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#40
Benzene
Concen: 20.884 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion: 78 Resp: 1152896
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 23.035 ug/l m

RT: 5.89 min Scan# 444

Delta R.T. -0.02 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 41 Resp: 182362

Ion Ratio Lower Upper

41 100

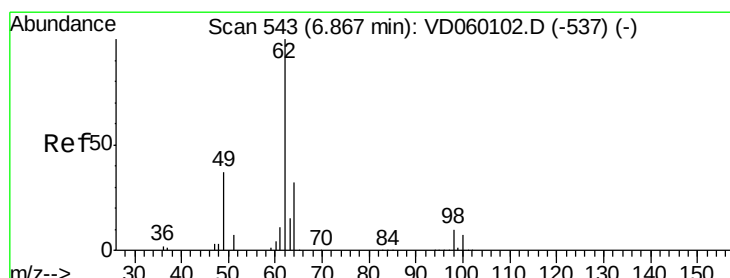
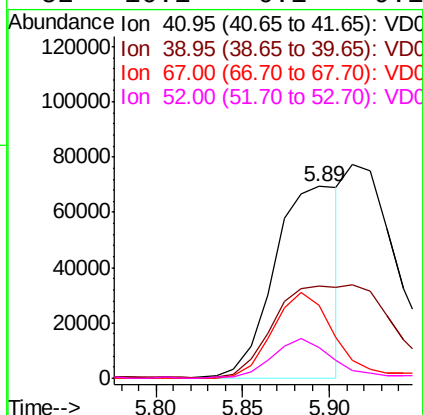
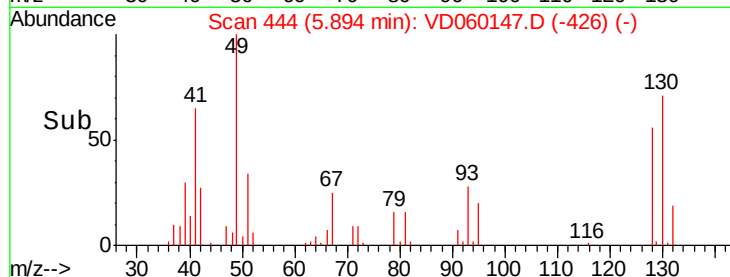
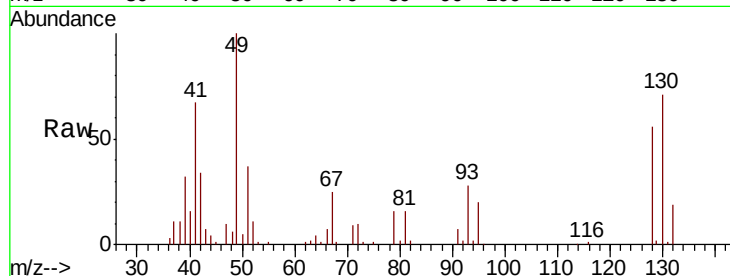
39 48.1 36.0 54.0

67 37.9 13.9 20.9#

52 16.1 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.003 ug/l

RT: 6.86 min Scan# 542

Delta R.T. -0.01 min

Lab File: VD060147.D

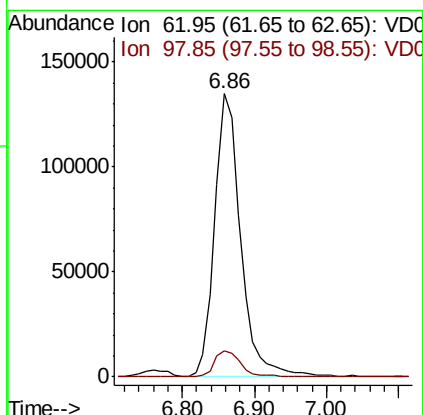
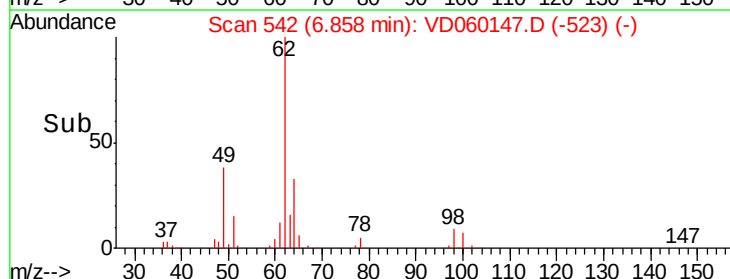
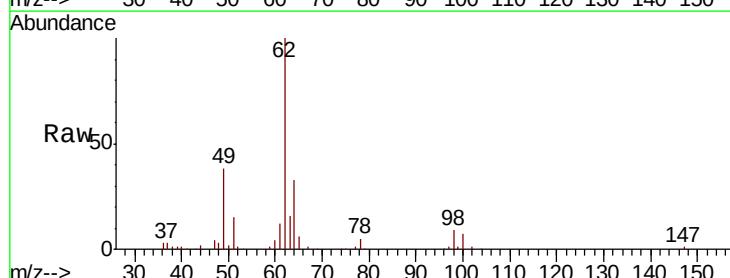
Acq: 9 Oct 2018 12:11

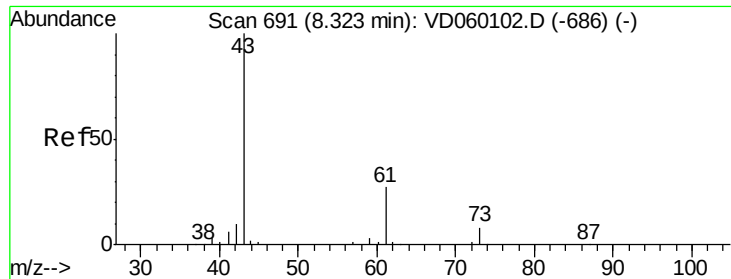
Tgt Ion: 62 Resp: 332425

Ion Ratio Lower Upper

62 100

98 9.1 0.0 20.6





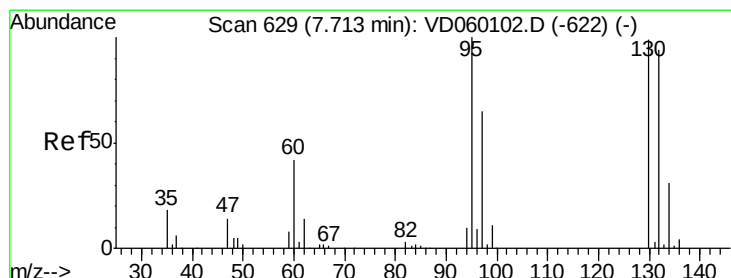
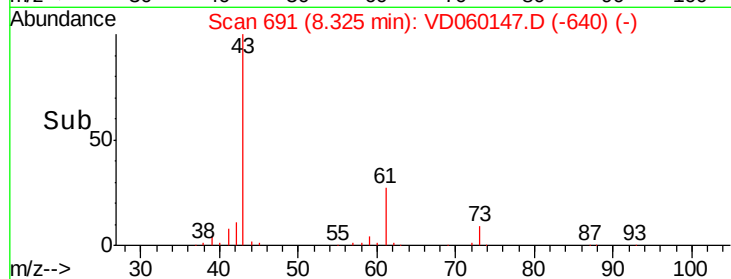
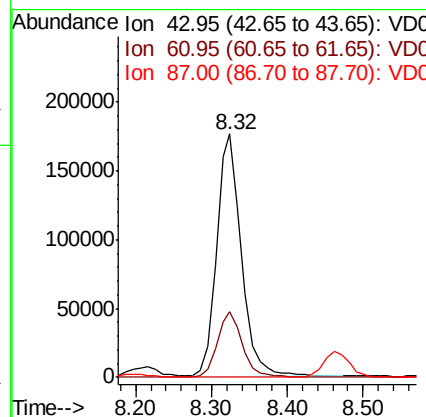
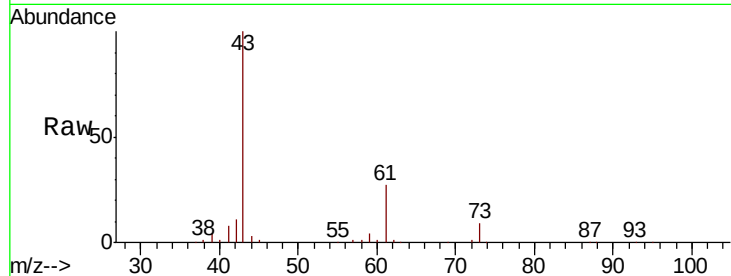
#43
Isopropyl Acetate
Concen: 21.725 ug/l
RT: 8.32 min Scan# 691
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.4	32.2
87	0.2	0.2	0.2

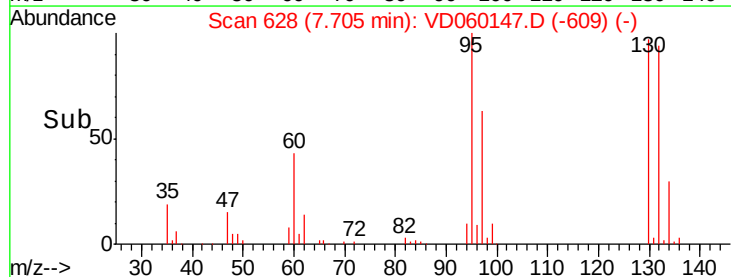
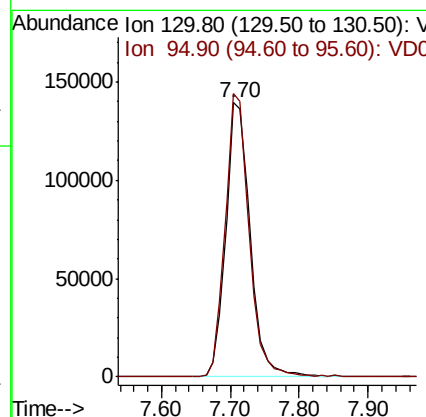
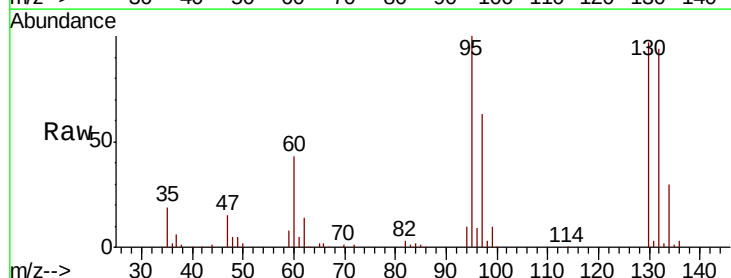
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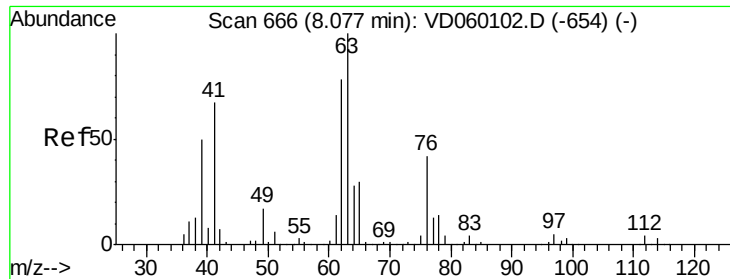
apatel
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#44
Trichloroethene
Concen: 20.044 ug/l
RT: 7.70 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	202.2





#45

1,2-Dichloropropane

Concen: 20.796 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 63 Resp: 300610

Ion Ratio Lower Upper

63 100

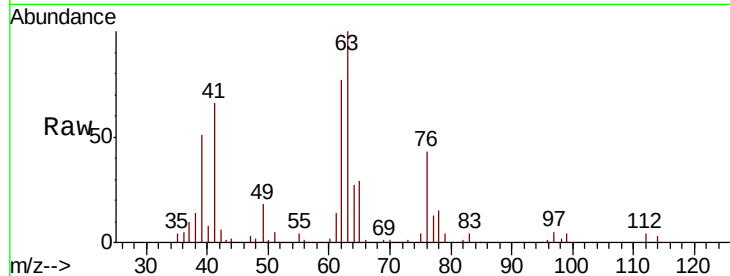
65 29.3 24.1 36.1

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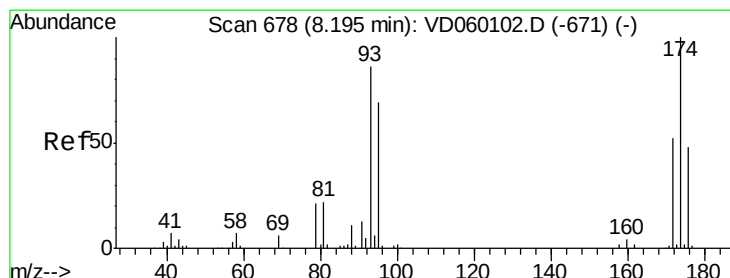
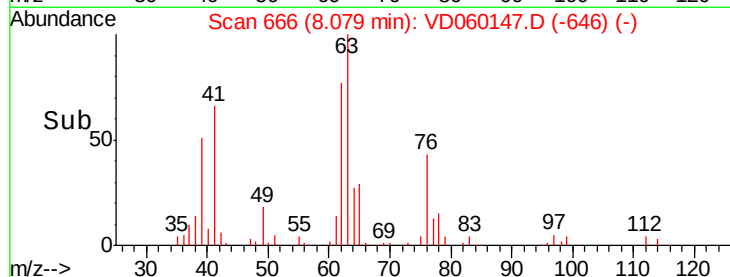
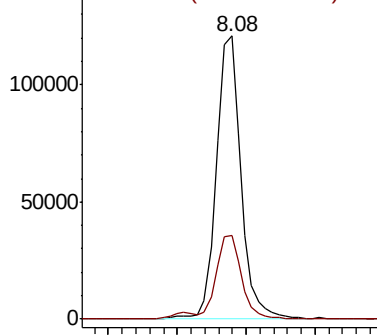
apatel

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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: 21.249 ug/l

RT: 8.19 min Scan# 677

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

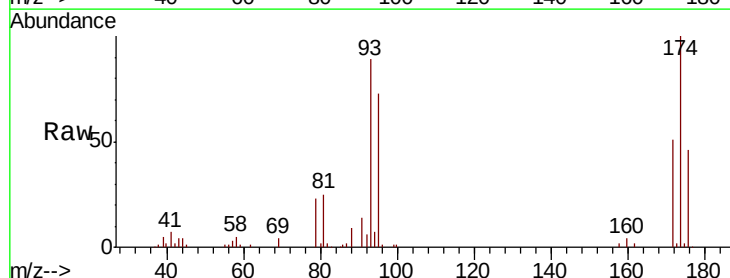
Tgt Ion: 93 Resp: 198858

Ion Ratio Lower Upper

93 100

95 81.5 63.8 95.6

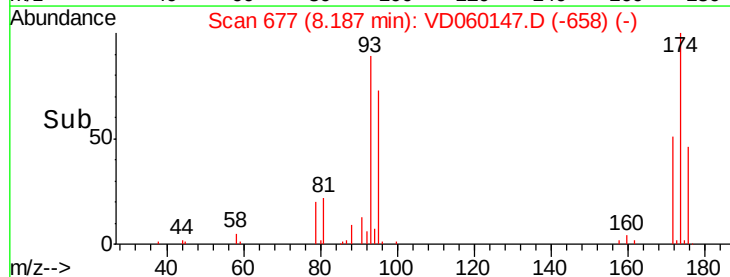
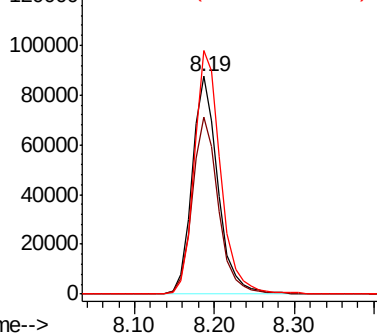
174 111.8 92.9 139.3

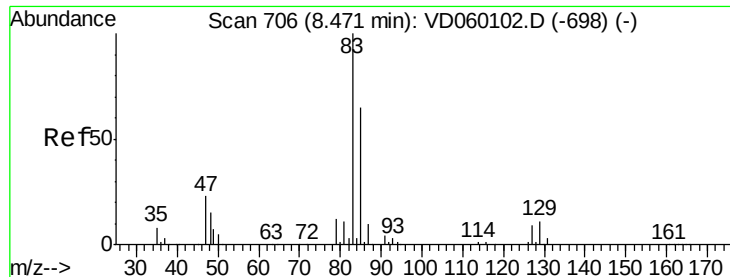


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.226 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

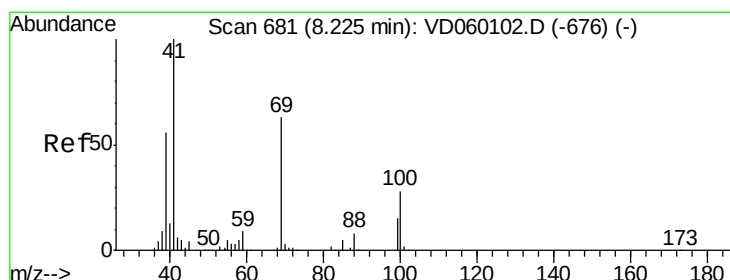
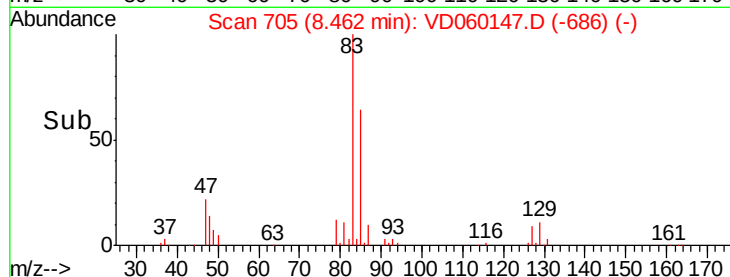
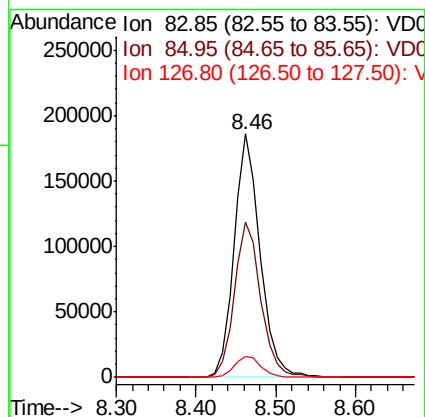
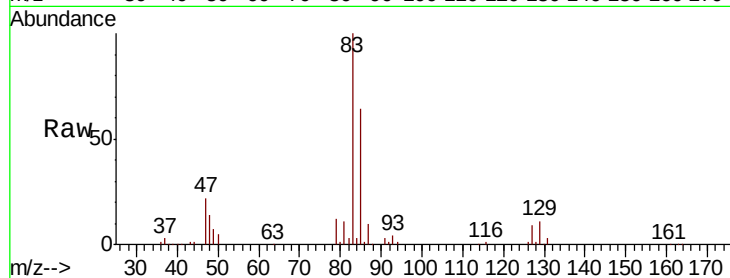
ClientSampleId :

VD1009SBS01

Tot Ion:	83	Resp:	423254
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.2
127	8.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 22.006 ug/l

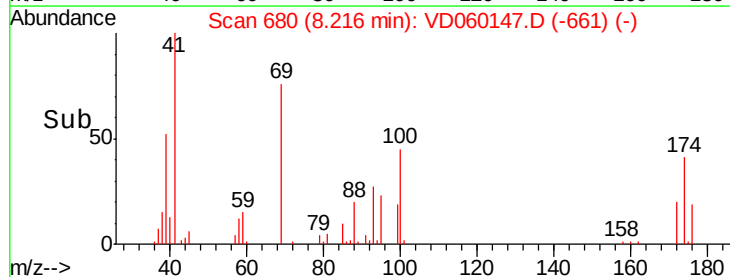
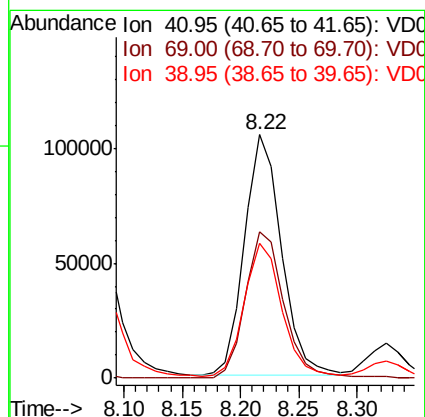
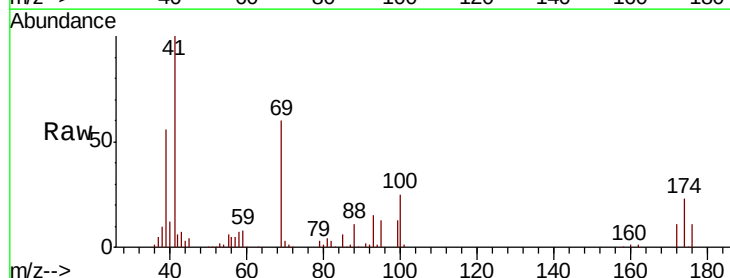
RT: 8.22 min Scan# 680

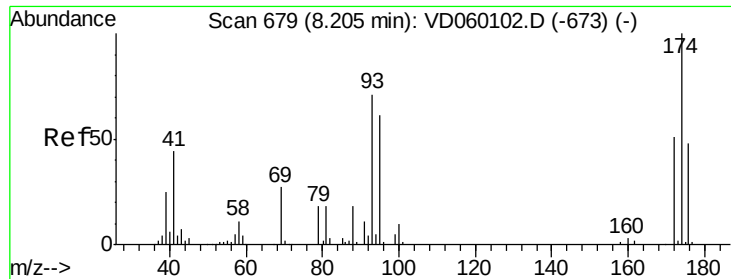
Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion:	41	Resp:	230983
Ion	Ratio	Lower	Upper
41	100		
69	60.0	49.7	74.5
39	55.5	45.2	67.8





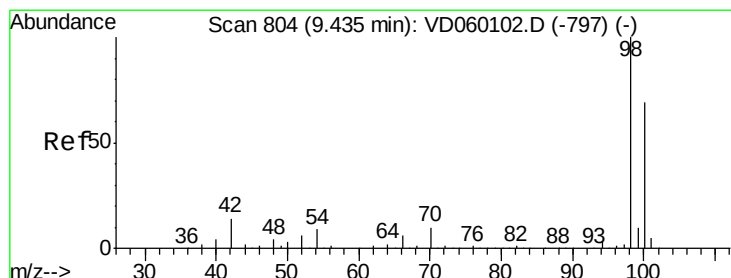
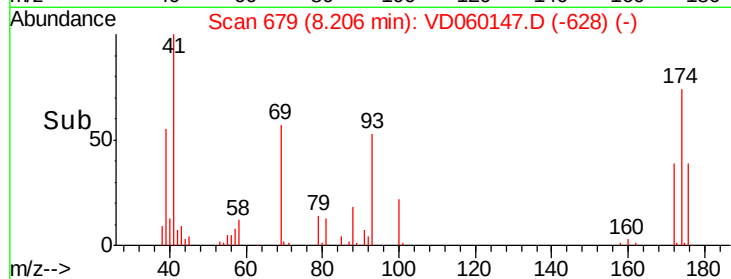
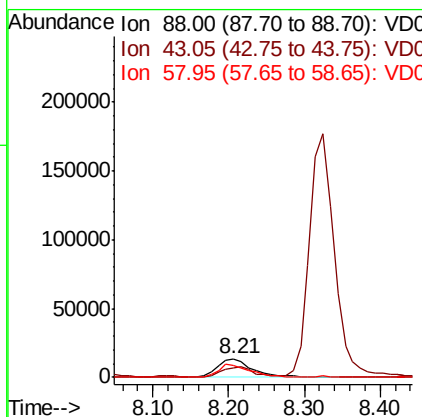
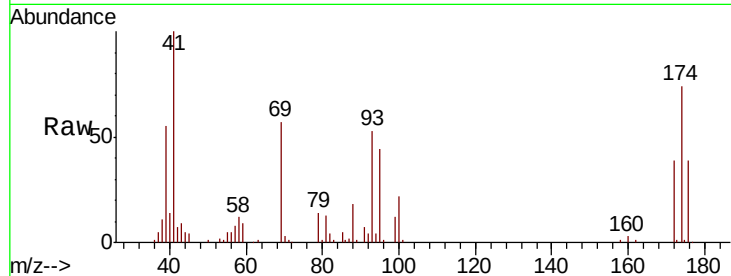
#49
1,4-Dioxane
Concen: 420.511 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	88	Resp	43429
Ion Ratio	Lower	Upper	
88	100		
43	47.8	33.7	50.5
58	67.2	49.1	73.7

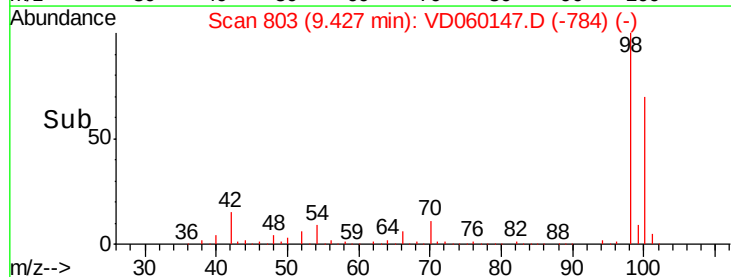
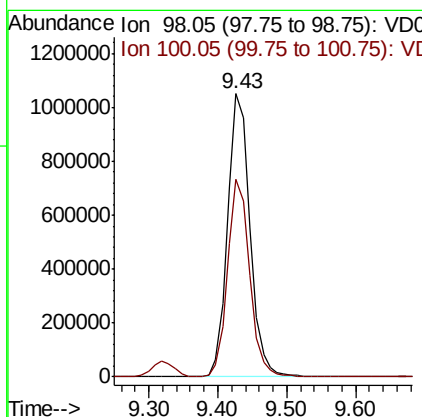
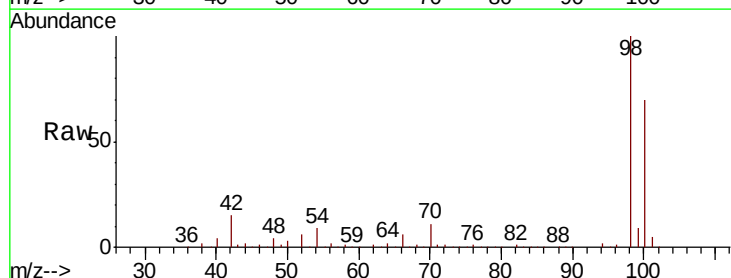
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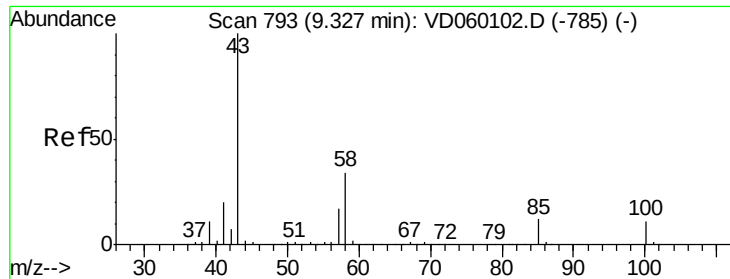
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#50
Toluene-d8
Concen: 420.511 ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	98	Resp	2366953
Ion Ratio	Lower	Upper	
98	100		
100	69.7	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 113.091 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tot Ion: 43 Resp: 1314417

Ion Ratio Lower Upper

43 100

58 32.6 27.2 40.8

Instrument :

MSVOA_D

ClientSampleId :

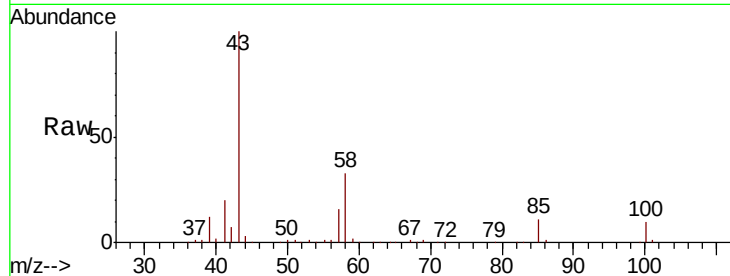
VD1009SBS01

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

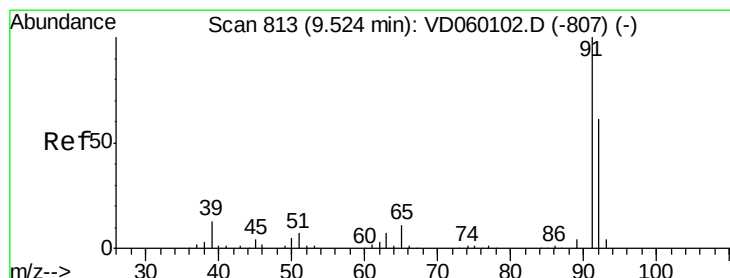
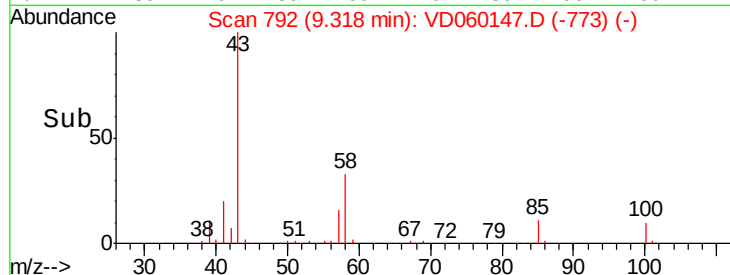
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.760 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD060147.D

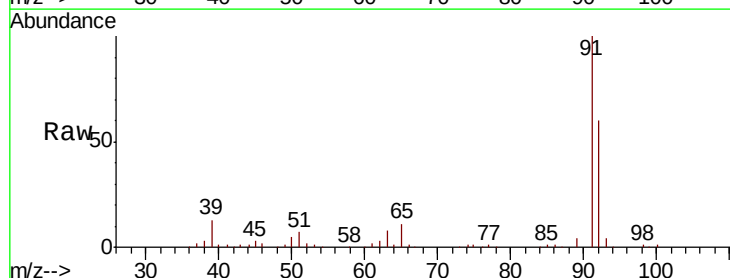
Acq: 9 Oct 2018 12:11

Tgt Ion: 92 Resp: 738110

Ion Ratio Lower Upper

92 100

91 165.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

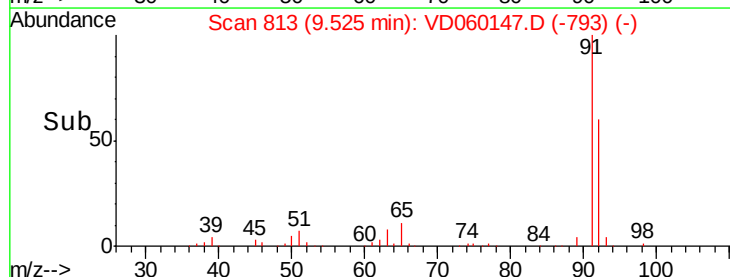
300000

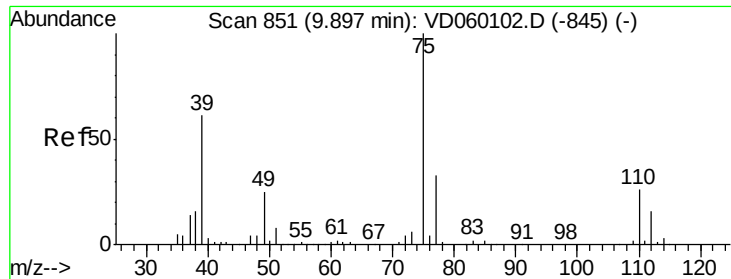
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.671 ug/l

RT: 9.89 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tot Ion: 75 Resp: 391011

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

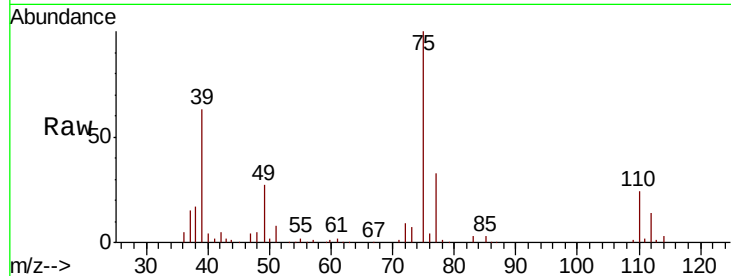
VD1009SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.89

200000

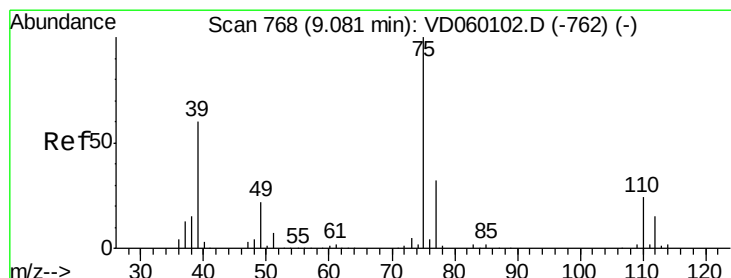
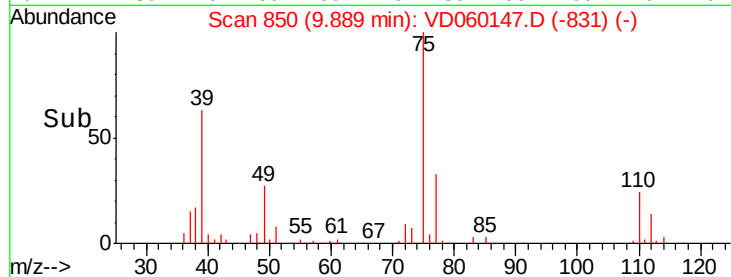
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.027 ug/l

RT: 9.07 min Scan# 767

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

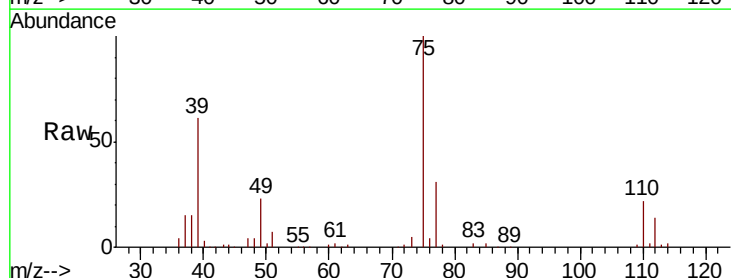
Tgt Ion: 75 Resp: 468492

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 60.7 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.07

300000

250000

200000

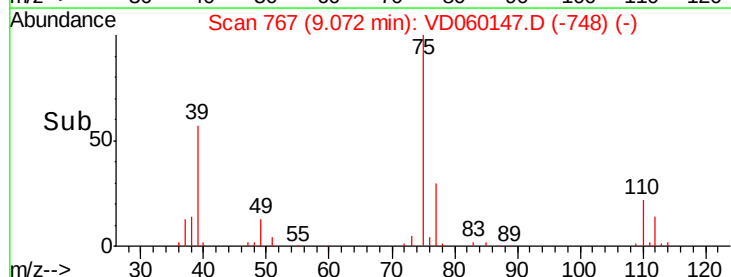
150000

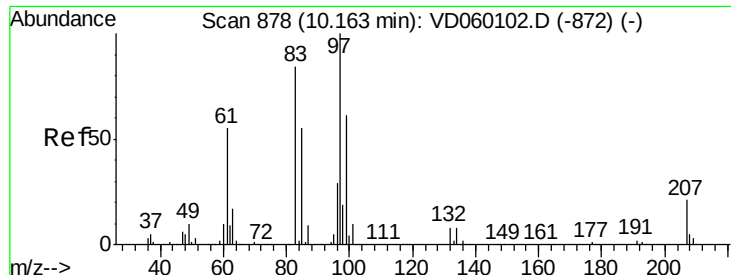
100000

50000

0

Time-->





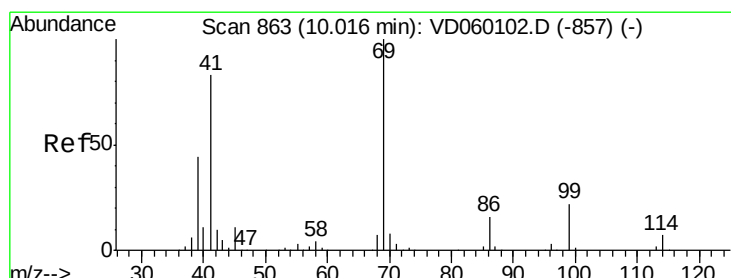
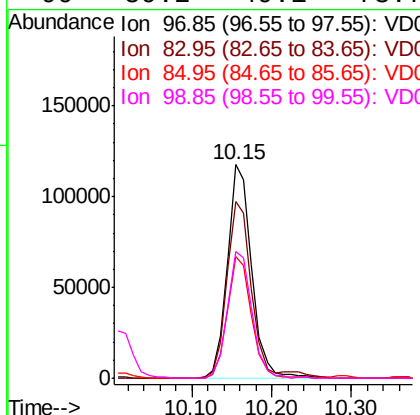
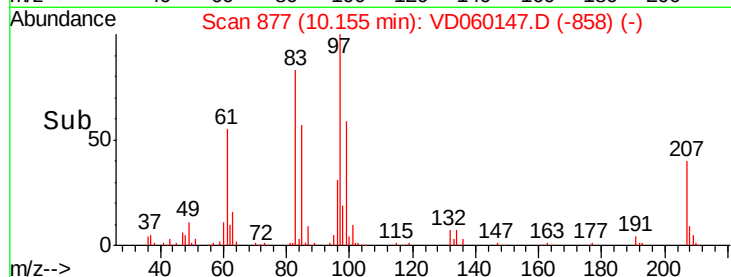
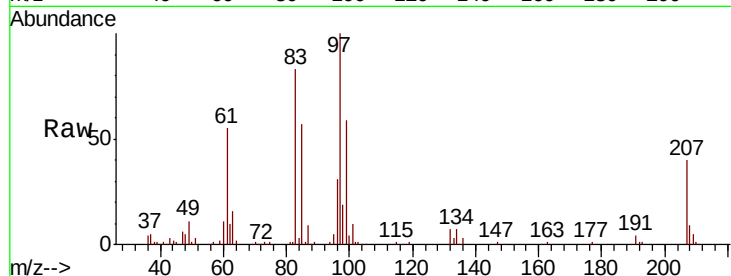
#55
 1,1,2-Trichloroethane
 Concen: 21.641 ug/l
 RT: 10.15 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion:	97	Resp:	251542
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.0	100.6
85	56.8	43.9	65.9
99	59.2	49.1	73.7

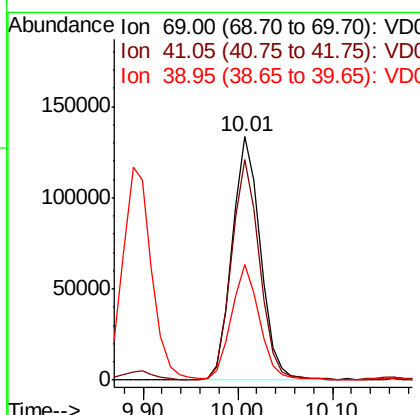
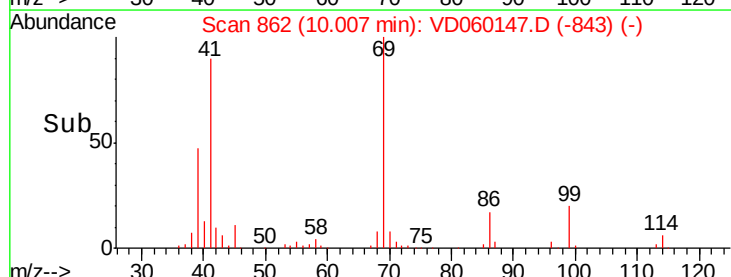
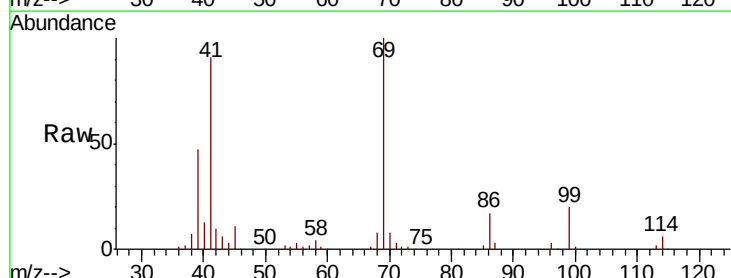
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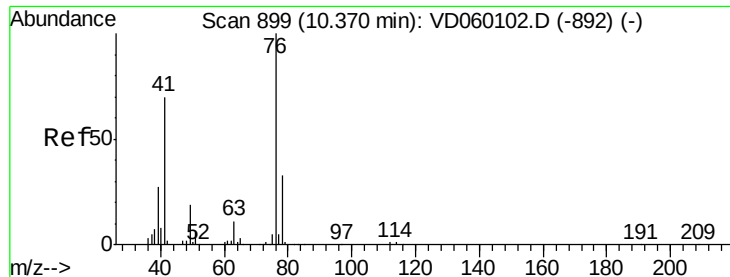
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#56
 Ethyl methacrylate
 Concen: 21.551 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion:	69	Resp:	276512
Ion	Ratio	Lower	Upper
69	100		
41	90.8	66.6	100.0
39	47.3	36.0	54.0





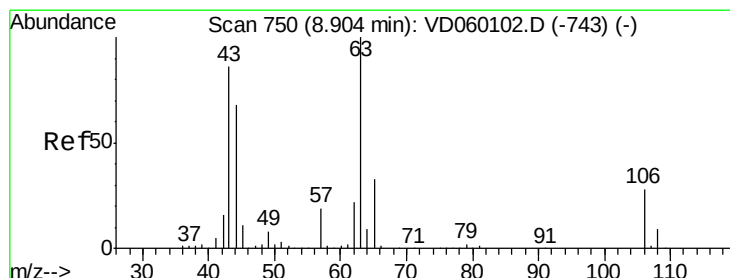
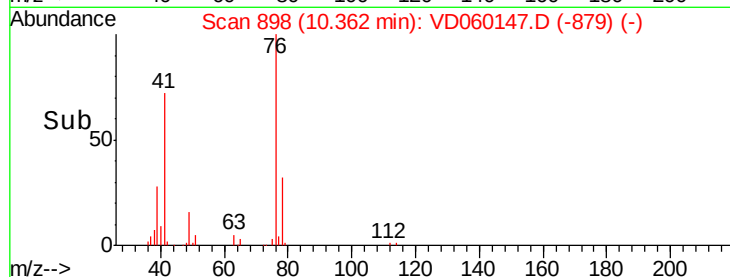
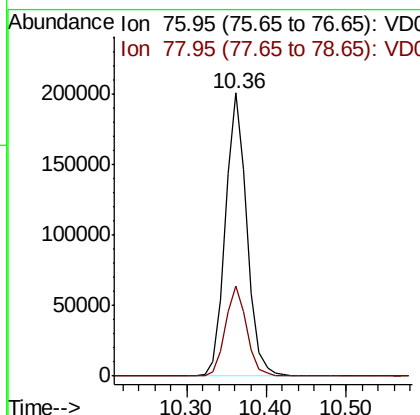
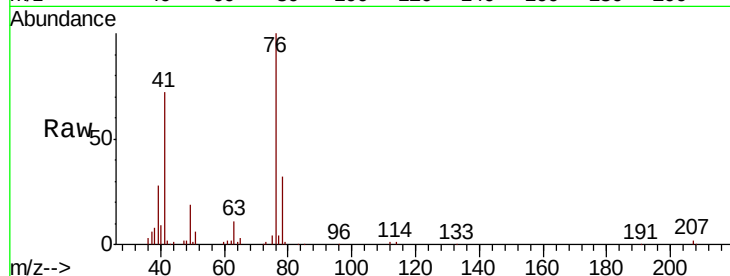
#57
 1,3-Dichloropropane
 Concen: 21.346 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion: 76 Resp: 378403
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

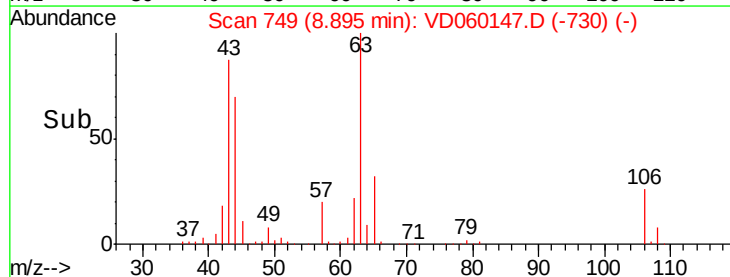
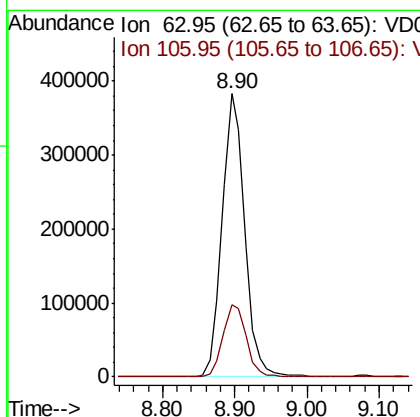
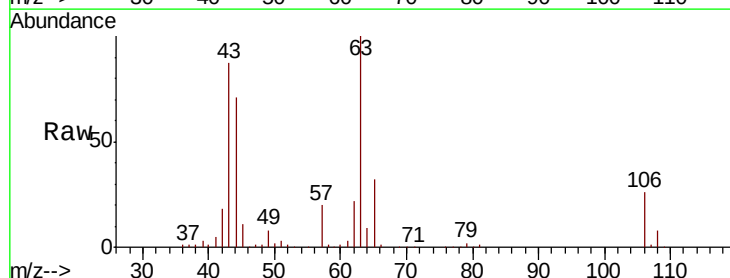
Manual Integrations
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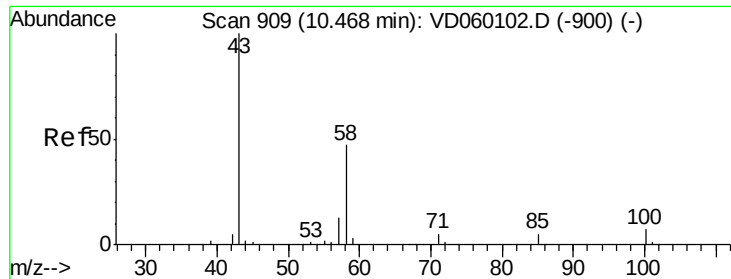
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.299 ug/l
 RT: 8.90 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion: 63 Resp: 828610
 Ion Ratio Lower Upper
 63 100
 106 25.6 22.6 34.0





#59

2-Hexanone

Concen: 118.942 ug/l

RT: 10.47 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion: 43 Resp: 994071

Ion Ratio Lower Upper

43 100

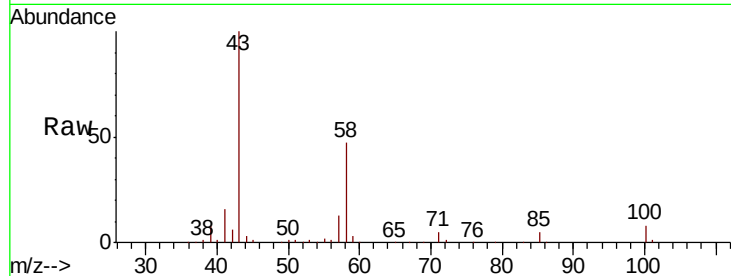
58 47.4 23.3 69.9

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Abundance Ion 42.95 (42.65 to 43.65): VD060102.D (-900) (-)

Ion 57.95 (57.65 to 58.65): VD060102.D (-900) (-)

10.47

600000

500000

400000

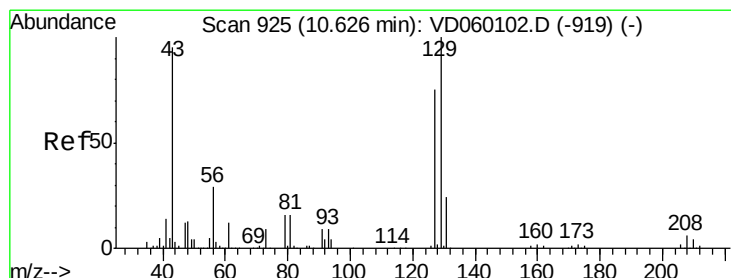
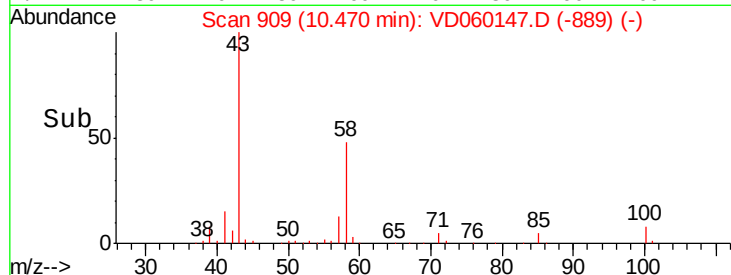
300000

200000

100000

0

Time--> 10.30 10.40 10.50 10.60



#60

Dibromochloromethane

Concen: 21.334 ug/l

RT: 10.62 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD060147.D

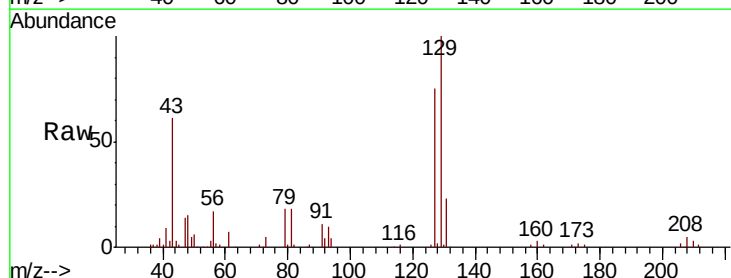
Acq: 9 Oct 2018 12:11

Tgt Ion: 129 Resp: 304241

Ion Ratio Lower Upper

129 100

127 74.5 37.4 112.2



Abundance Ion 128.80 (128.50 to 129.50): VD060102.D (-919) (-)

Ion 126.80 (126.50 to 127.50): VD060102.D (-919) (-)

10.62

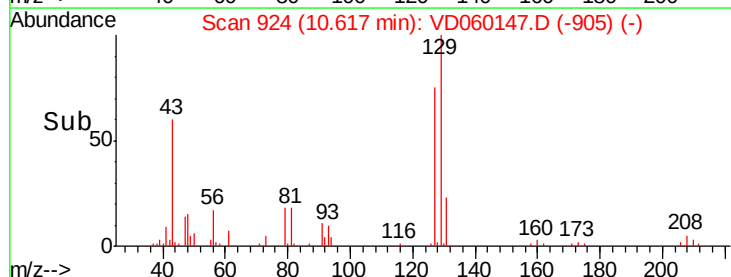
150000

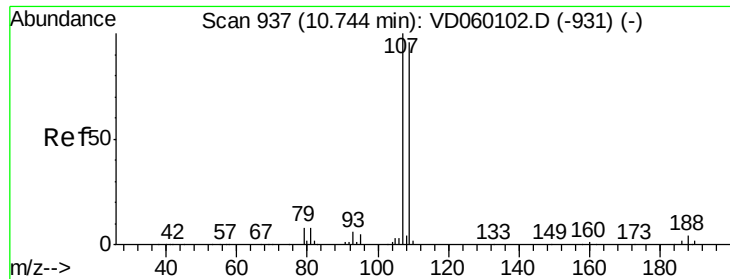
100000

50000

0

Time--> 10.50 10.60 10.70





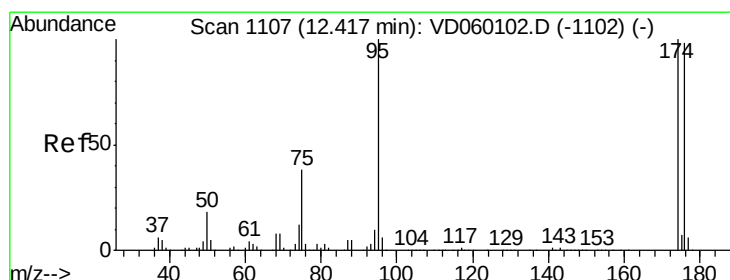
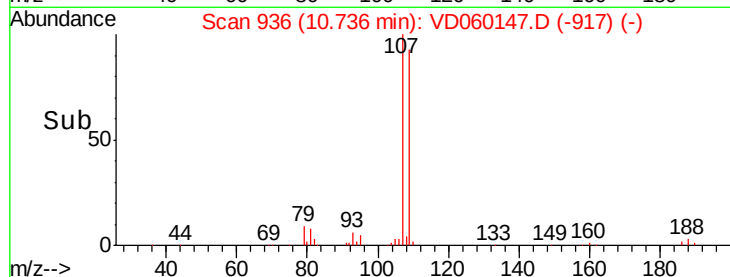
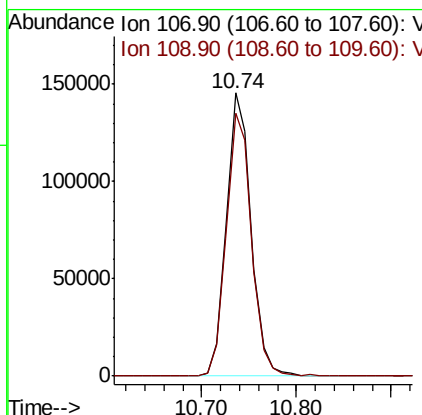
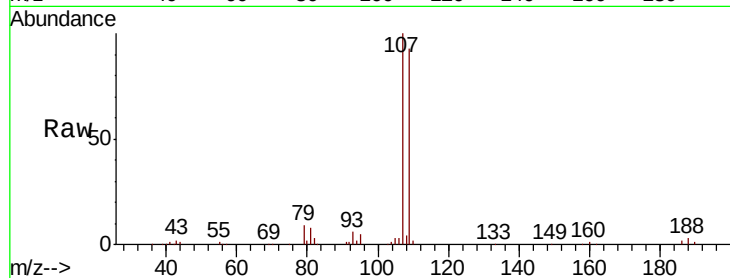
#61
 1,2-Dibromoethane
 Concen: 21.174 ug/l
 RT: 10.74 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.1	115.7

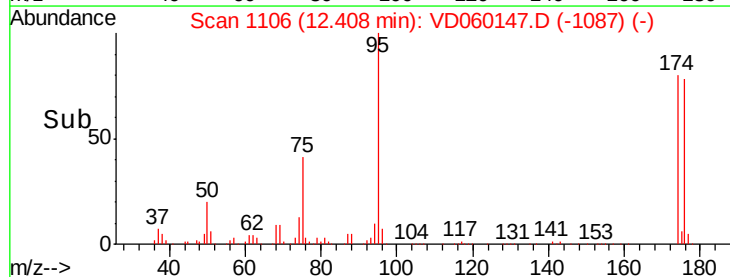
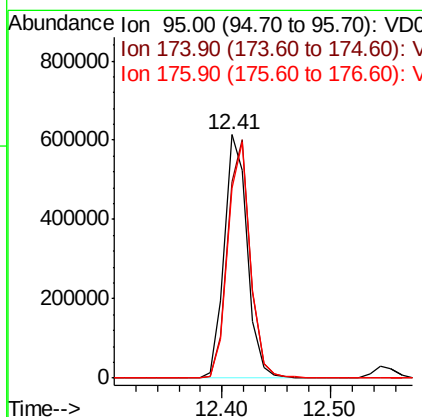
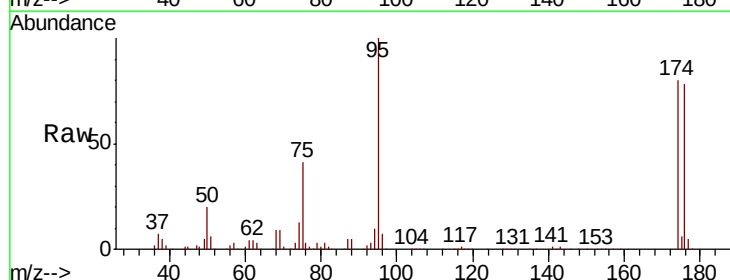
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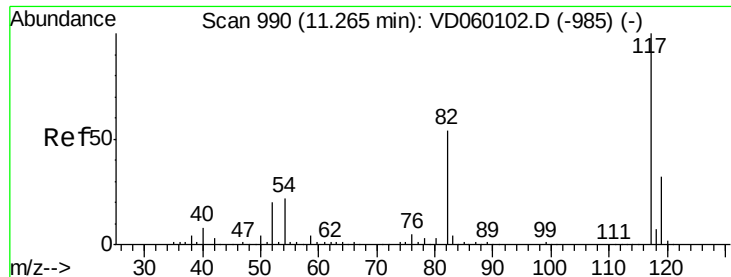
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#62
 4-Bromofluorobenzene
 Concen: 21.174 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	200.2
176	77.8	0.0	195.6





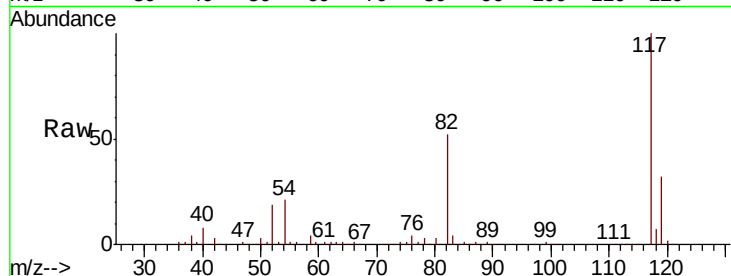
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

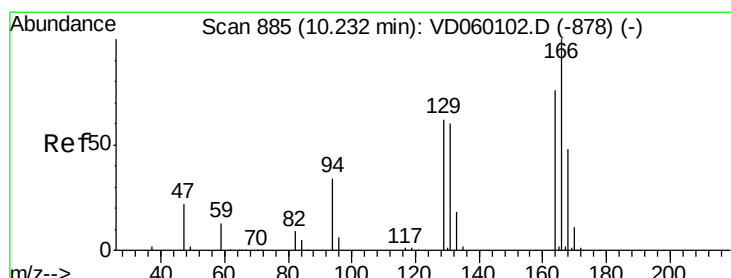
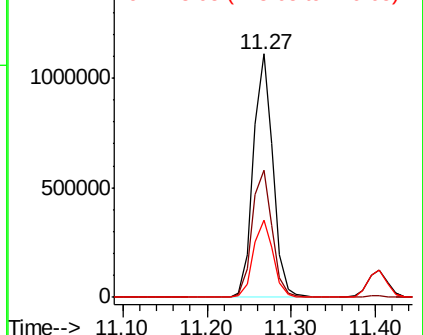
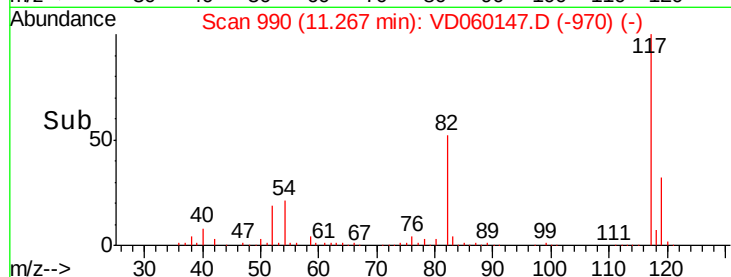
Tot Ion:117 Resp: 1816835
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.2
119 32.0 26.0 39.0

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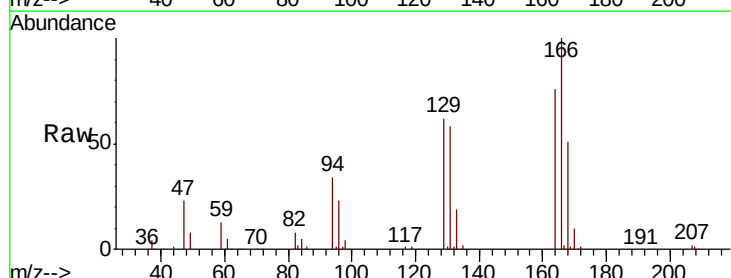


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

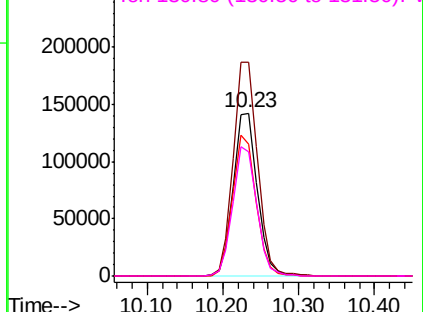
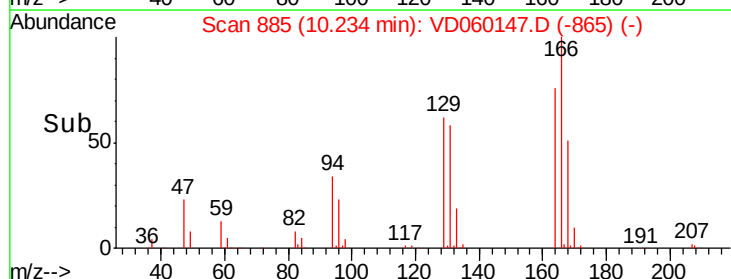


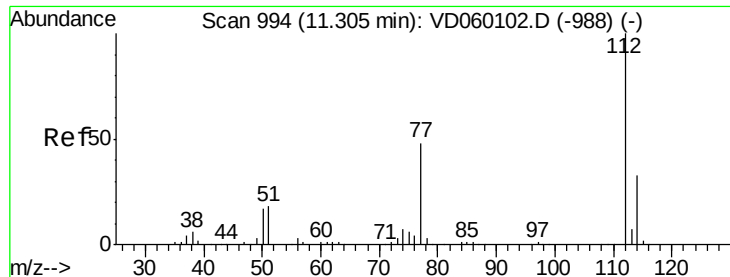
#64
Tetrachloroethene
Concen: 19.591 ug/l
RT: 10.23 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion:164 Resp: 311747
Ion Ratio Lower Upper
164 100
166 131.0 105.4 158.0
129 80.8 65.7 98.5
131 75.9 62.9 94.3



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





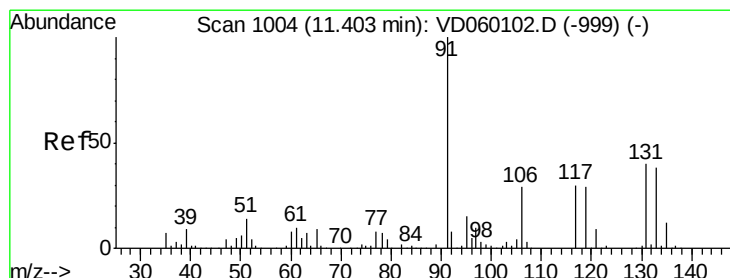
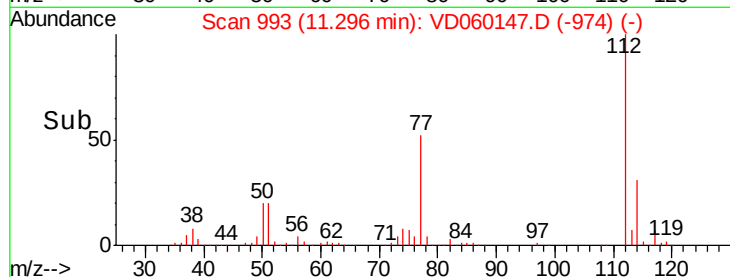
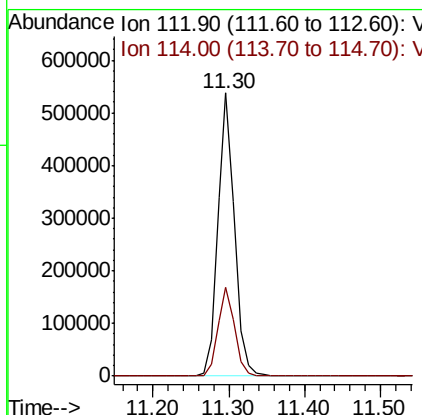
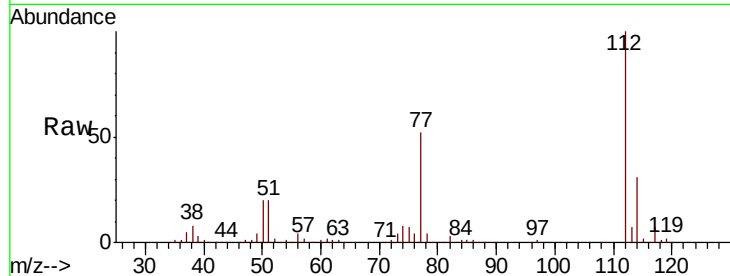
#65
Chlorobenzene
Concen: 21.077 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion:112 Resp: 828431
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0

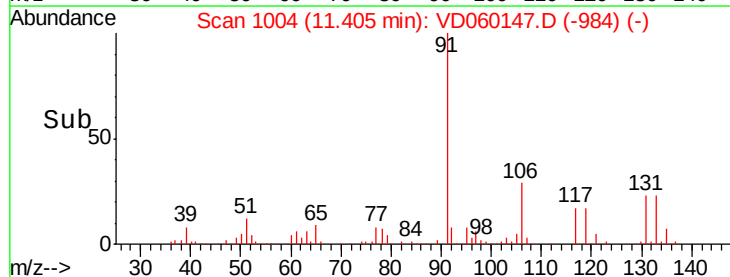
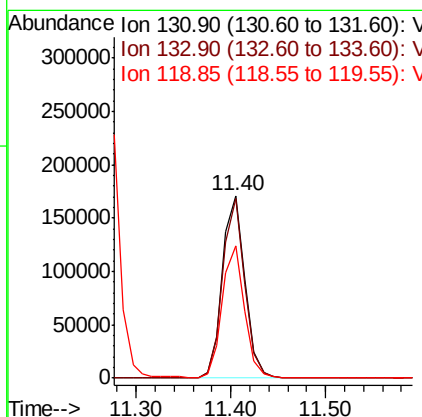
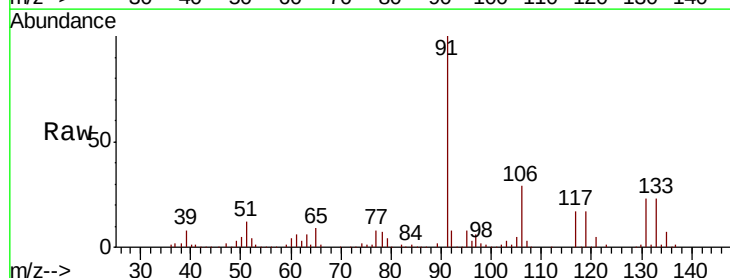
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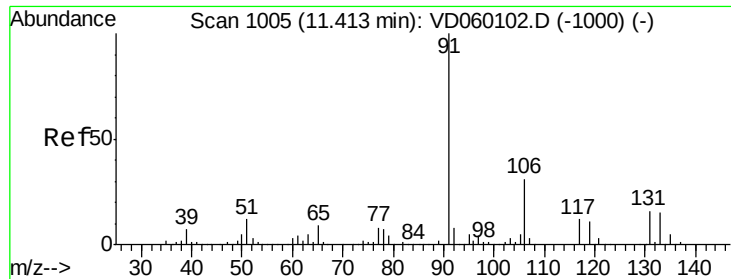
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.486 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion:131 Resp: 281725
Ion Ratio Lower Upper
131 100
133 98.1 47.4 142.3
119 72.1 36.1 108.3





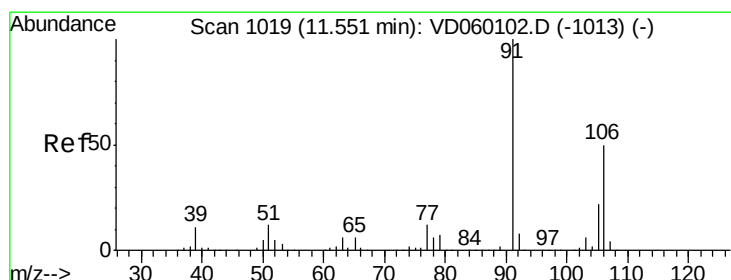
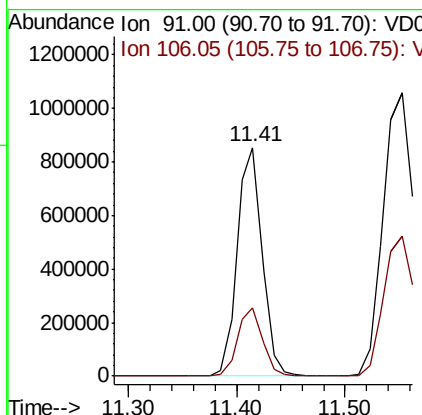
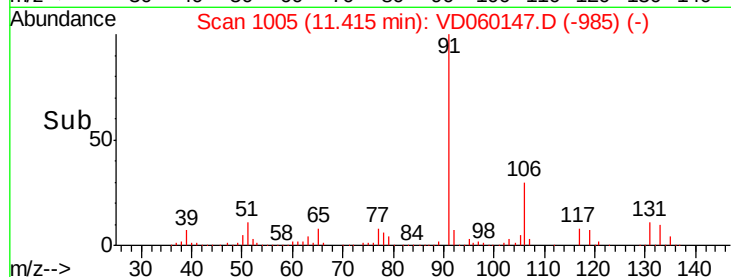
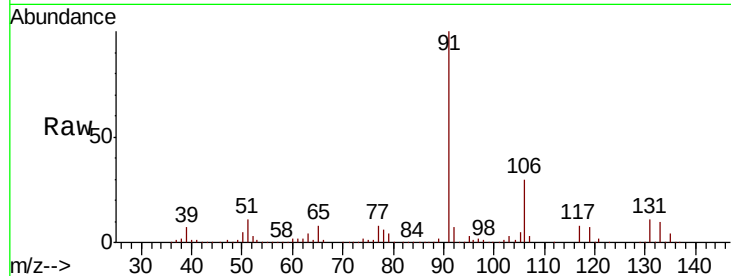
#67
Ethyl Benzene
Concen: 21.529 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 91 Resp: 1370995
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

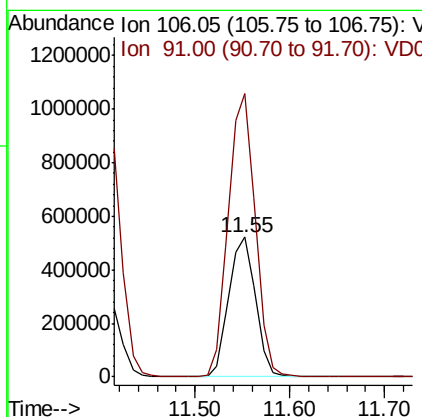
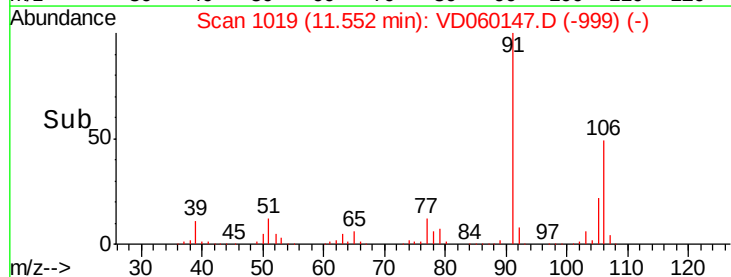
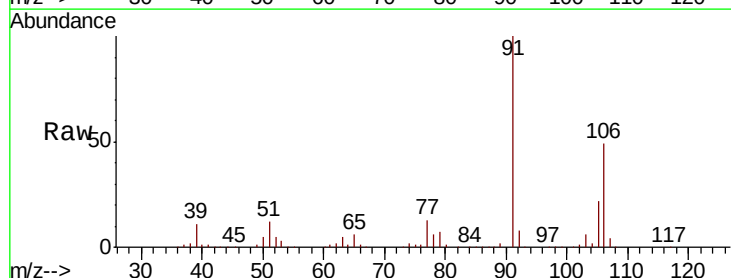
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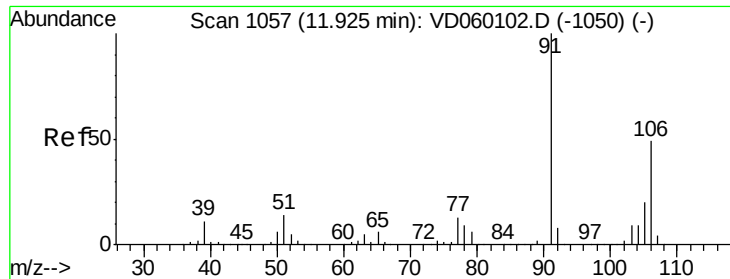
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#68
m/p-Xylenes
Concen: 42.873 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion: 106 Resp: 1020095
Ion Ratio Lower Upper
106 100
91 202.3 160.0 240.0





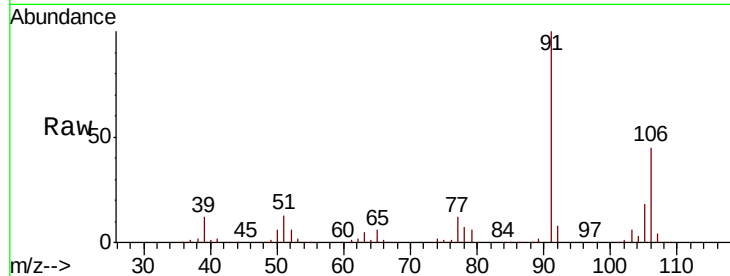
#69
o-Xylene
Concen: 20.919 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

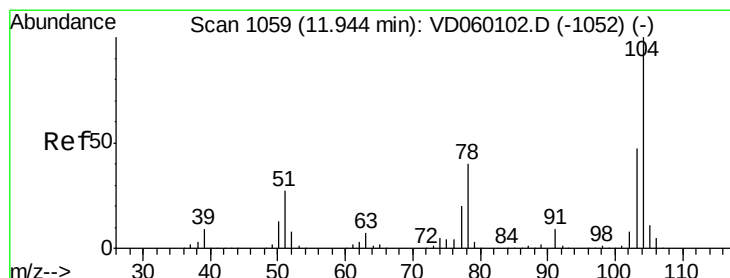
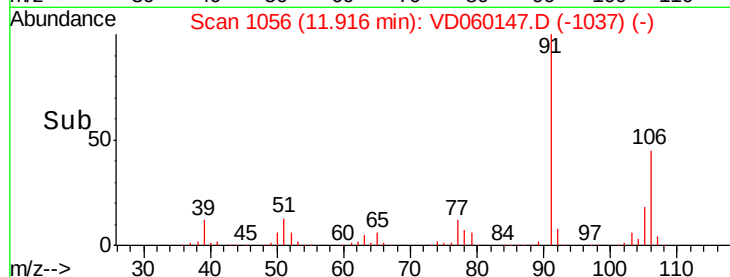
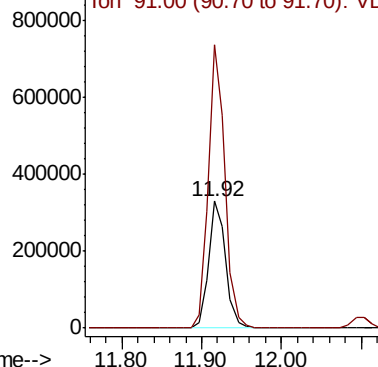
Tot Ion:106 Resp: 492332
Ion Ratio Lower Upper
106 100
91 223.3 102.5 307.5

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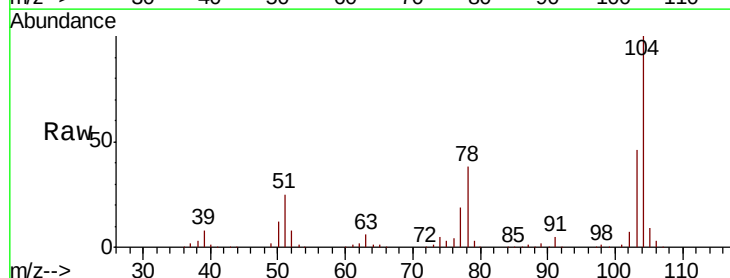


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

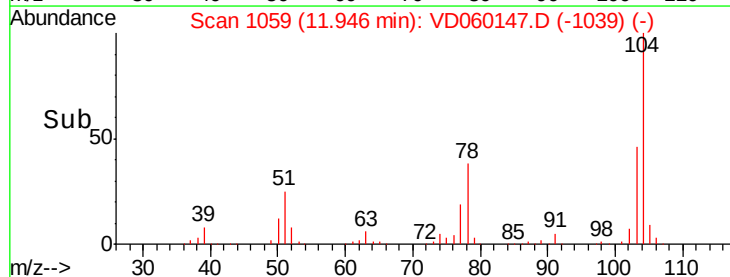
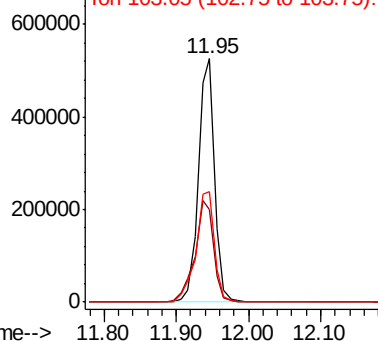


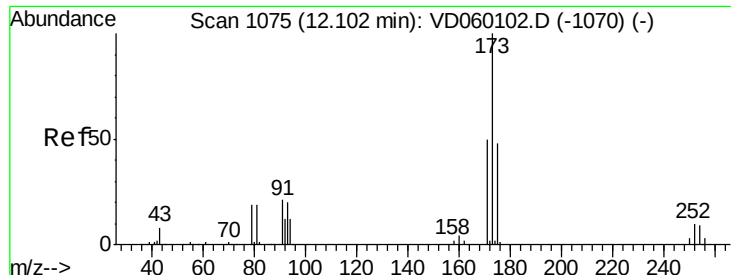
#70
Styrene
Concen: 20.641 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion:104 Resp: 812399
Ion Ratio Lower Upper
104 100
78 38.3 32.2 48.4
103 45.6 37.4 56.0



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





#71

Bromoform

Concen: 21.253 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

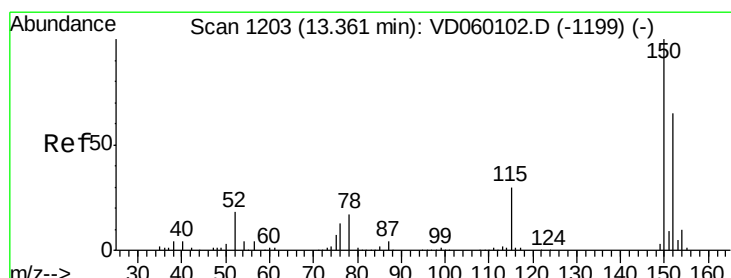
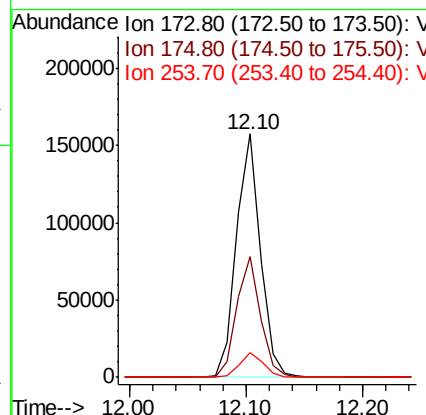
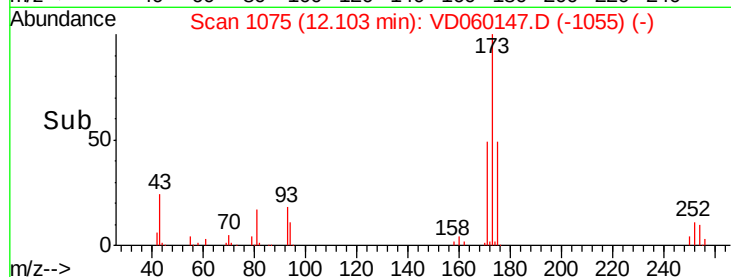
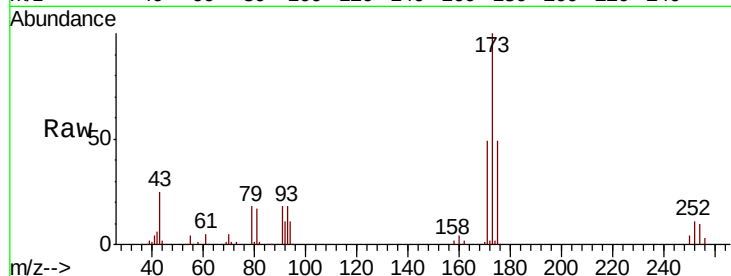
ClientSampleId :

VD1009SBS01

Tot Ion:	173	Resp:	225654
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.1	72.4
254	10.4	7.4	11.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

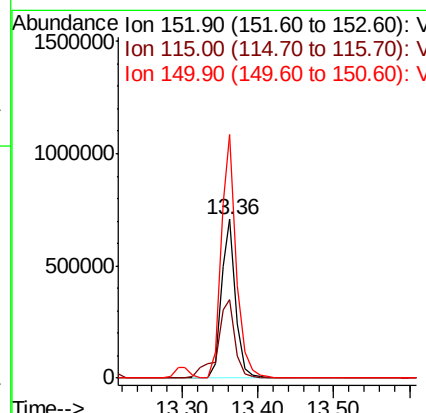
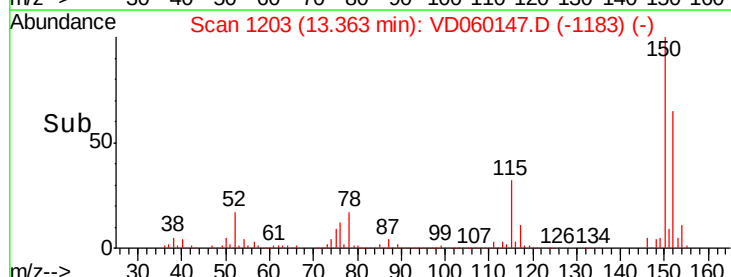
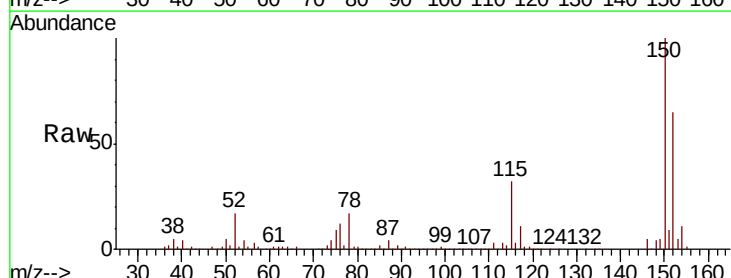
RT: 13.36 min Scan# 1203

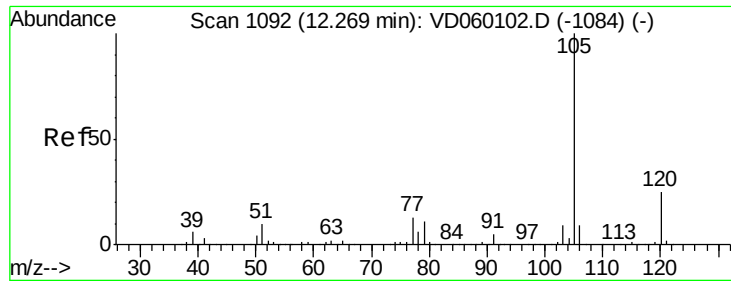
Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion:	152	Resp:	945581
Ion Ratio	Lower	Upper	
152	100		
115	49.4	27.1	81.2
150	153.3	0.0	311.8





#73

Isopropylbenzene

Concen: 21.539 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion:105 Resp: 1343635

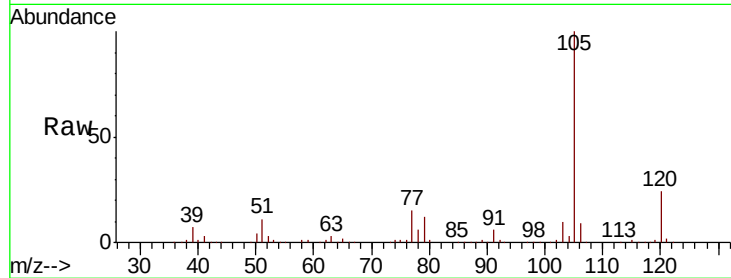
Ion Ratio Lower Upper

105 100

120 24.5 12.6 37.6

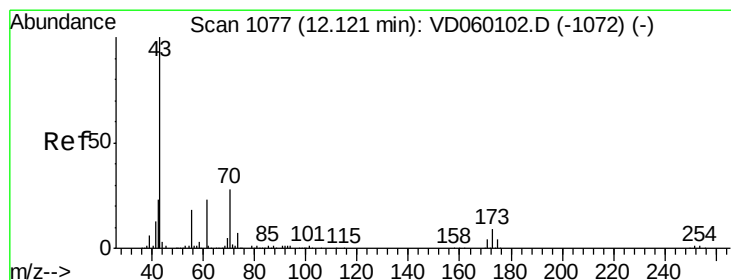
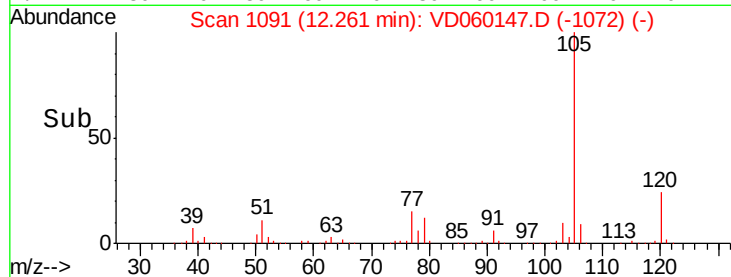
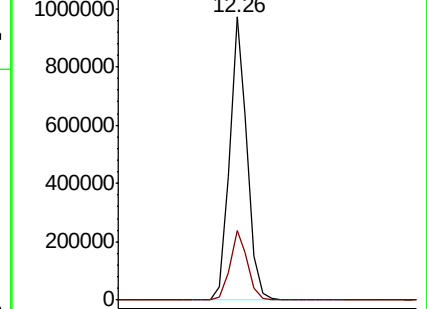
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.491 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion: 43 Resp: 513925

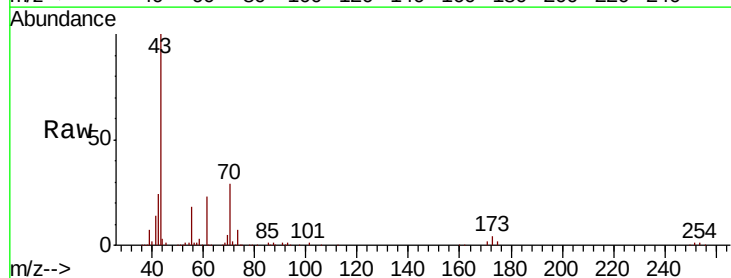
Ion Ratio Lower Upper

43 100

70 28.5 22.1 33.1

55 17.9 14.1 21.1

61 23.5 18.4 27.6

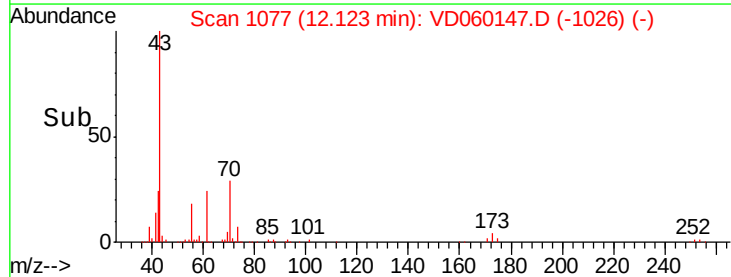
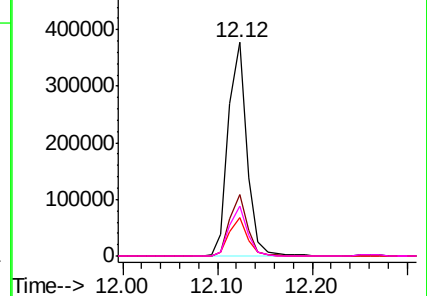


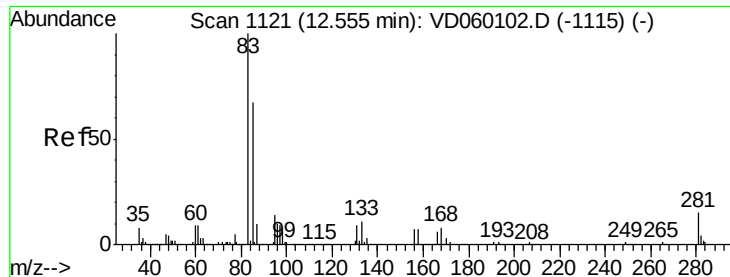
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.030 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

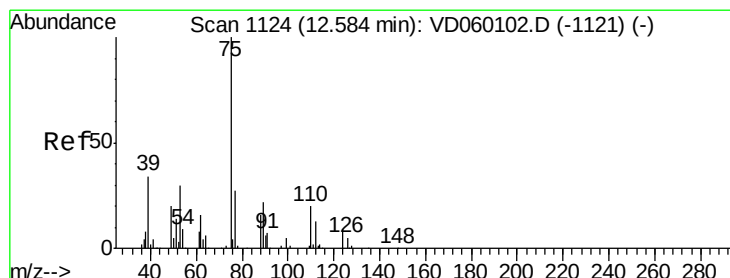
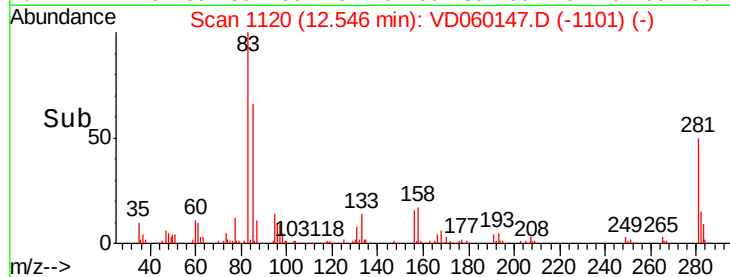
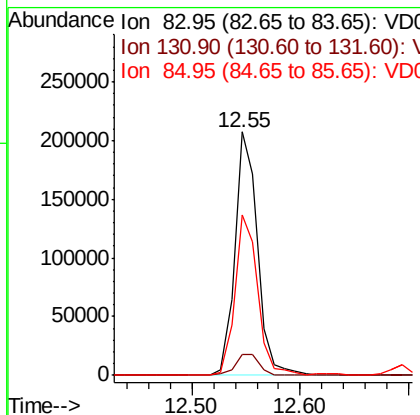
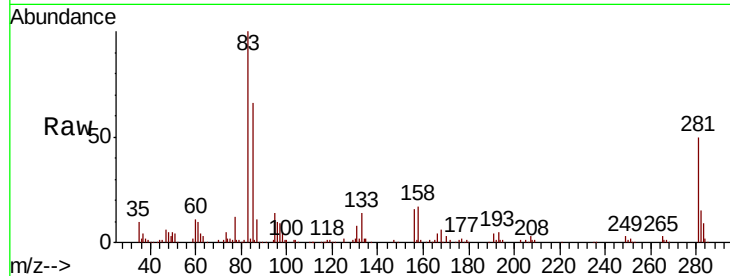
ClientSampleId :

VD1009SBS01

Tot Ion:	83	Resp:	300023
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.5	13.4
85	65.9	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 22.570 ug/l

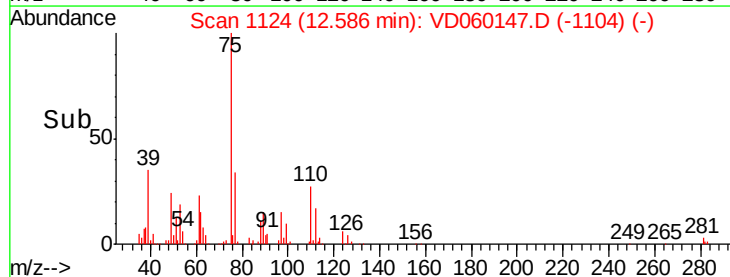
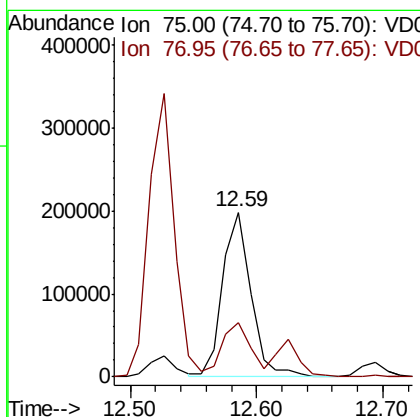
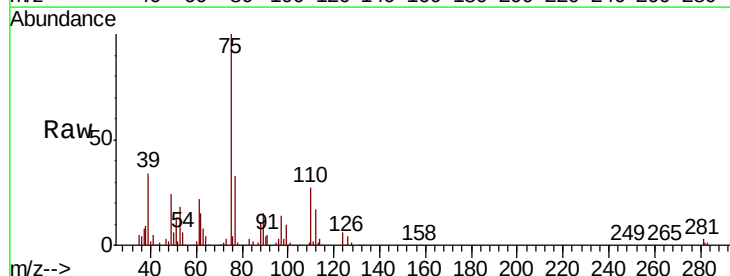
RT: 12.59 min Scan# 1124

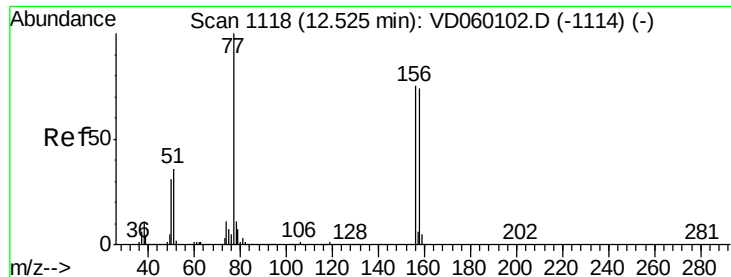
Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion:	75	Resp:	307345
Ion Ratio	Lower	Upper	
75	100		
77	32.6	16.3	48.9





#77

Bromobenzene

Concen: 21.214 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

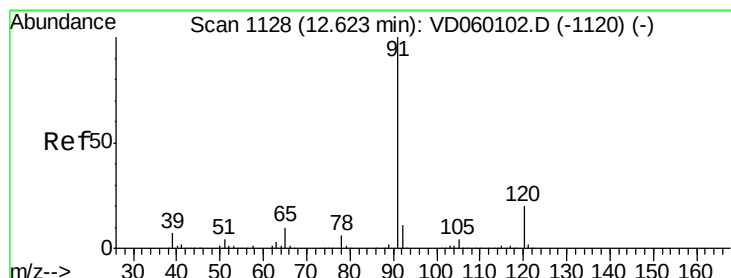
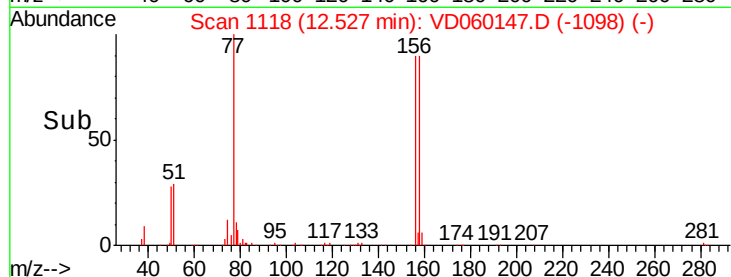
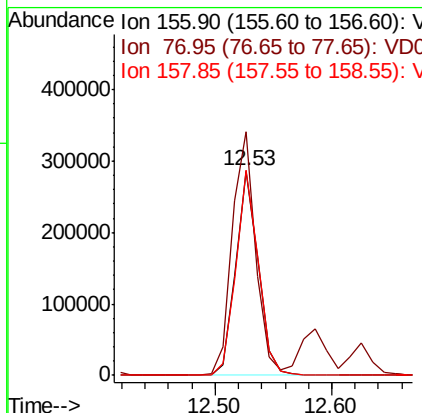
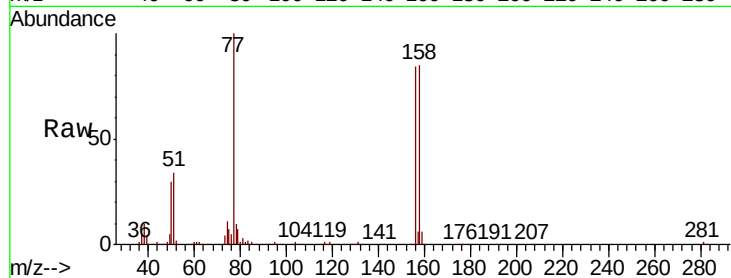
ClientSampleId :

VD1009SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	119.2	66.9	200.7
158	100.7	49.1	147.4

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#78

n-propylbenzene

Concen: 21.842 ug/l

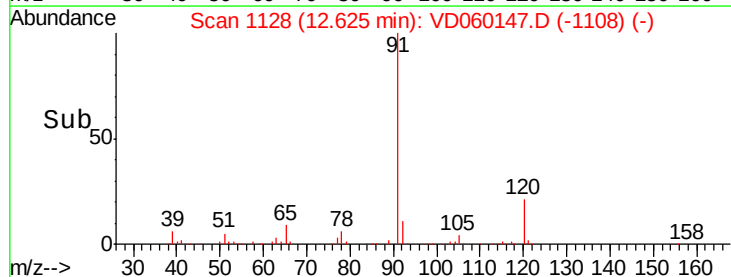
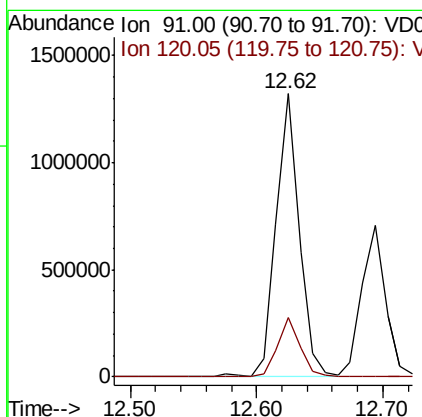
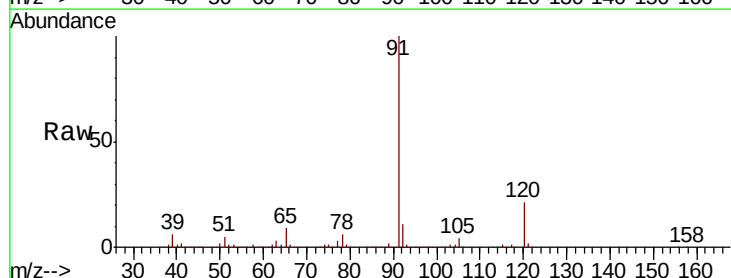
RT: 12.62 min Scan# 1128

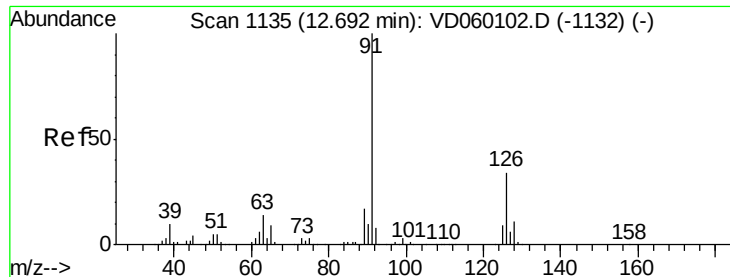
Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.0	30.0





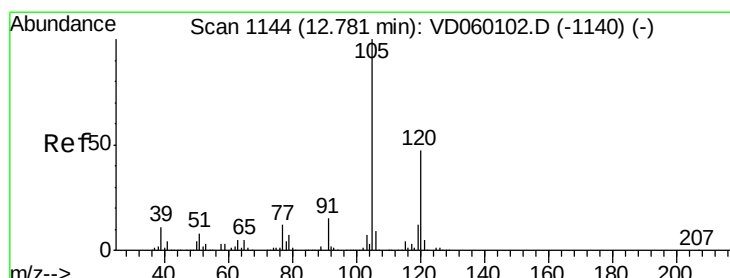
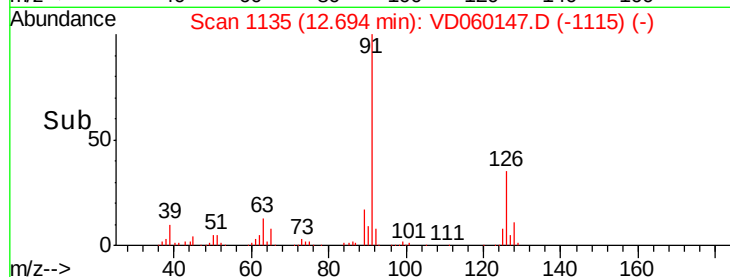
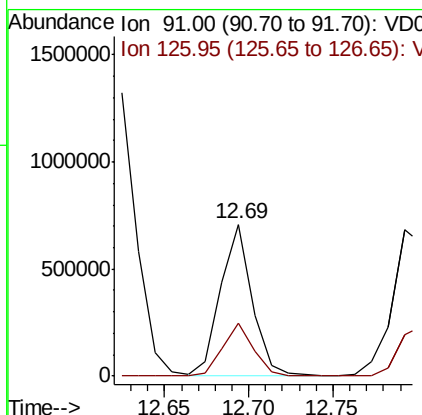
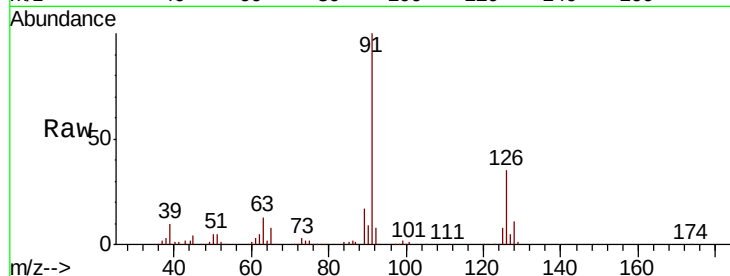
#79
 2-Chlorotoluene
 Concen: 21.381 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion: 91 Resp: 919171
 Ion Ratio Lower Upper
 91 100
 126 35.0 16.8 50.3

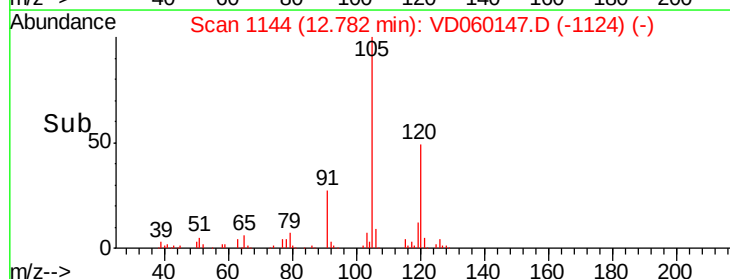
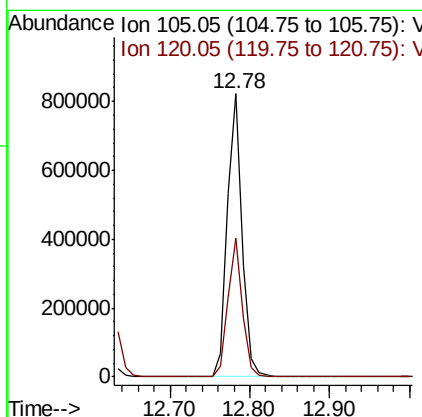
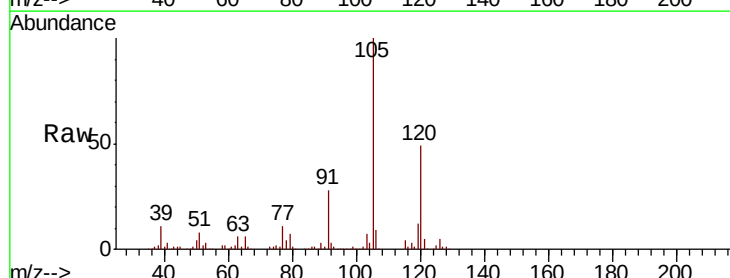
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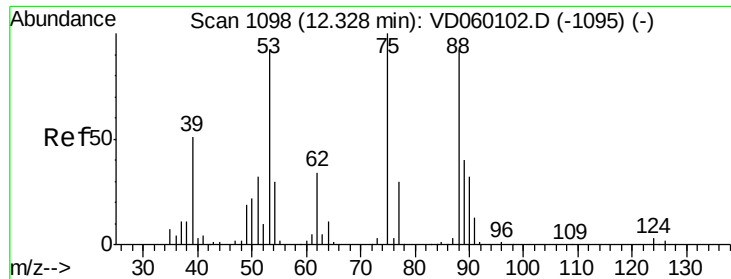
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.329 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion: 105 Resp: 1078084
 Ion Ratio Lower Upper
 105 100
 120 49.1 23.7 71.1





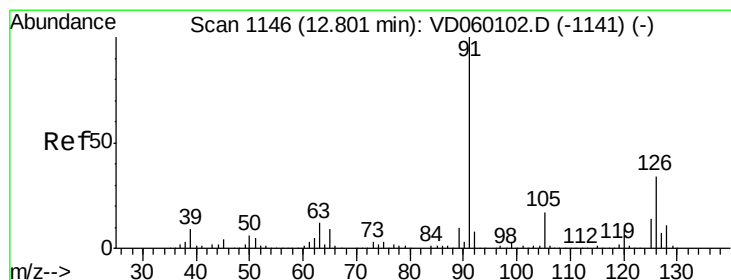
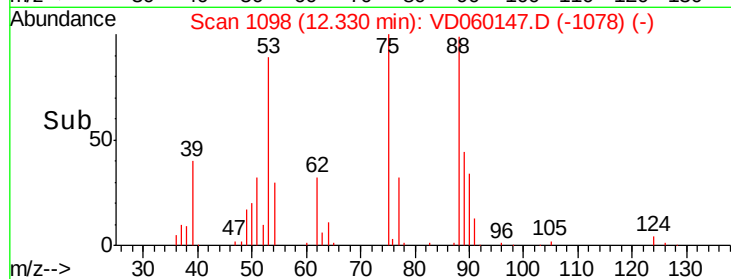
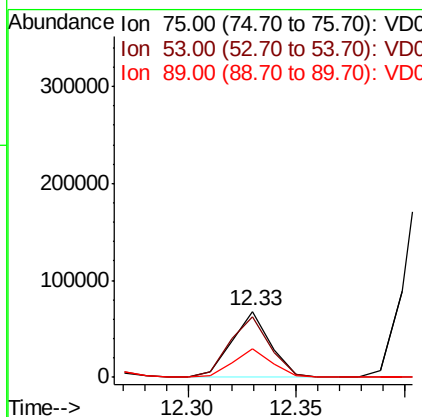
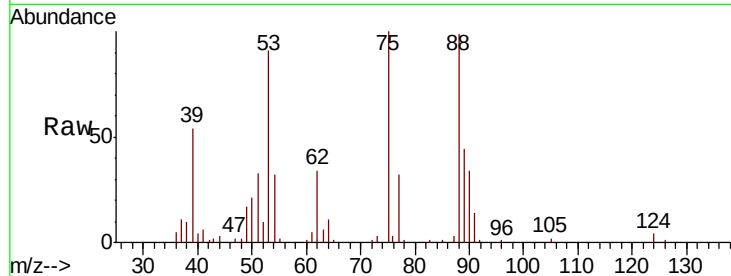
#81
trans-1,4-Dichloro-2-butene
Concen: 22.155 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	73.0	109.6
89	44.1	32.0	48.0

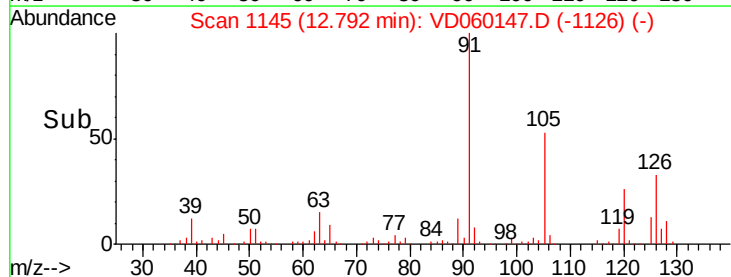
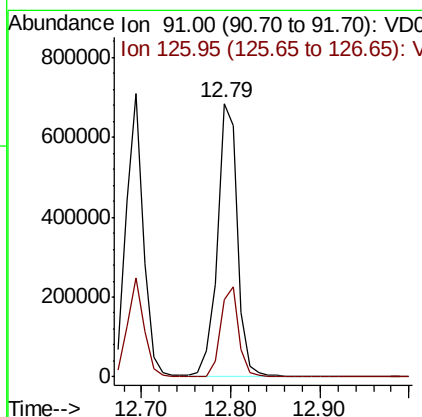
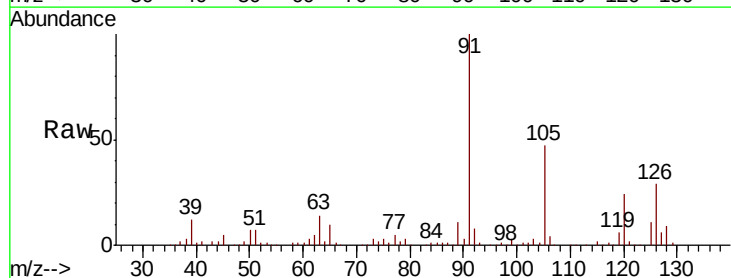
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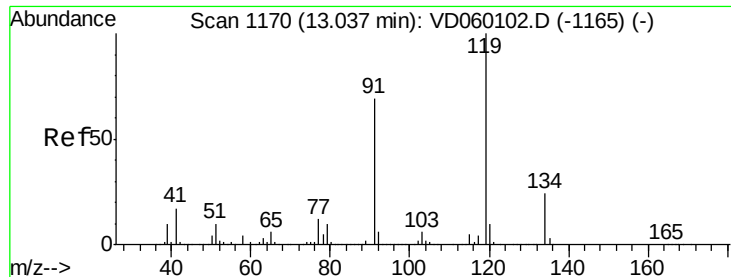
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#82
4-Chlorotoluene
Concen: 22.074 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	17.1	51.2





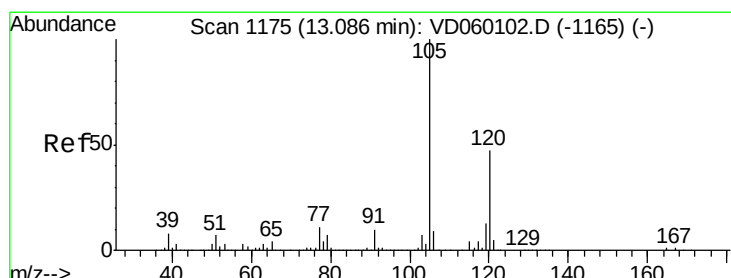
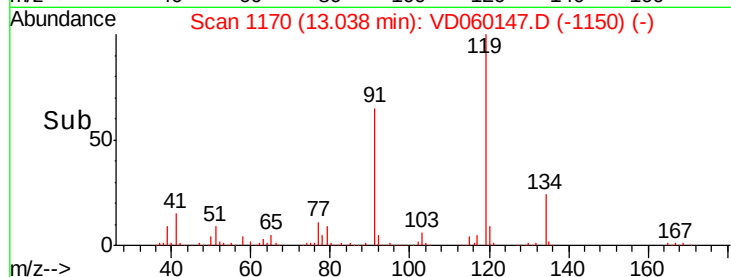
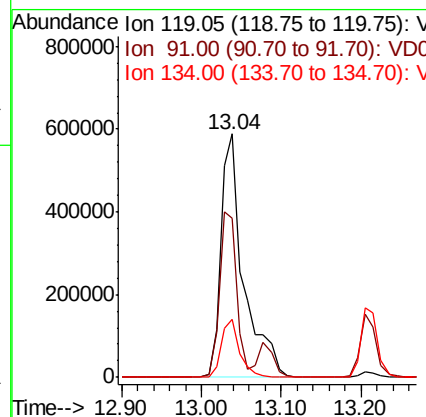
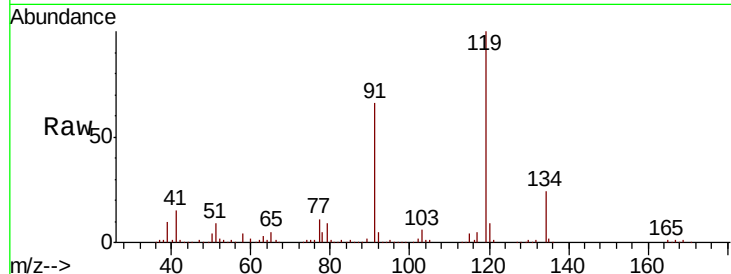
#83
 tert-Butylbenzene
 Concen: 21.165 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion:119 Resp: 1172642
 Ion Ratio Lower Upper
 119 100
 91 65.5 34.8 104.4
 134 24.0 11.8 35.4

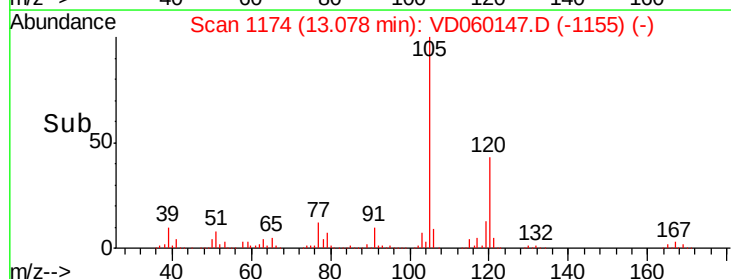
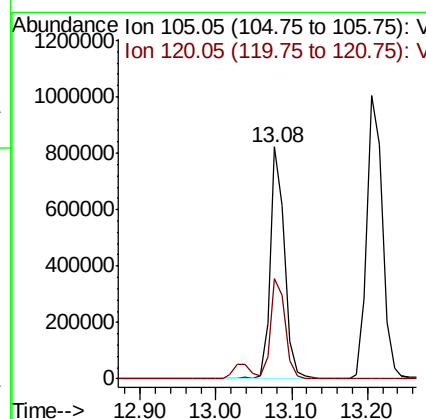
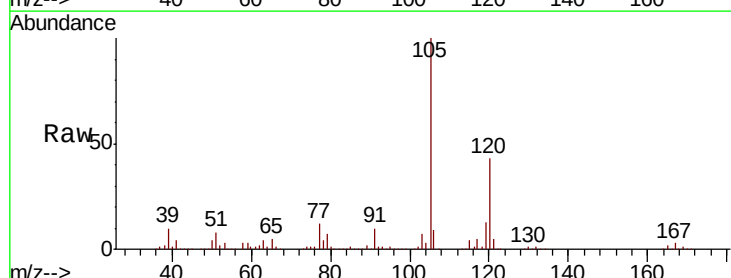
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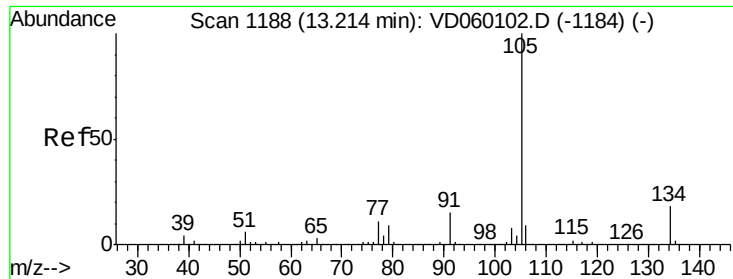
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.221 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion:105 Resp: 1079843
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.526 ug/l

RT: 13.21 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tot Ion:105 Resp: 1410118

Ion Ratio Lower Upper

105 100

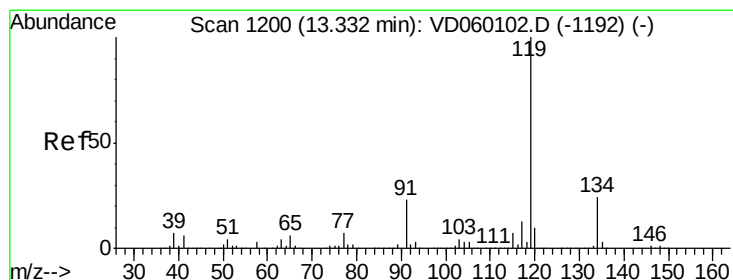
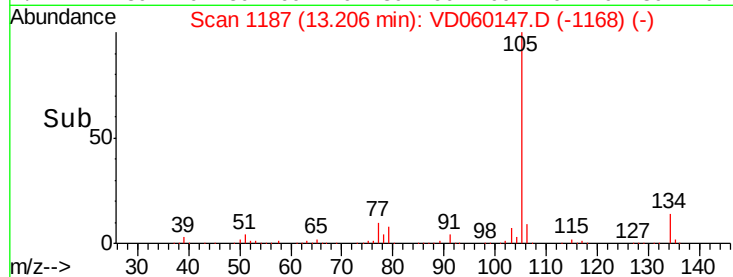
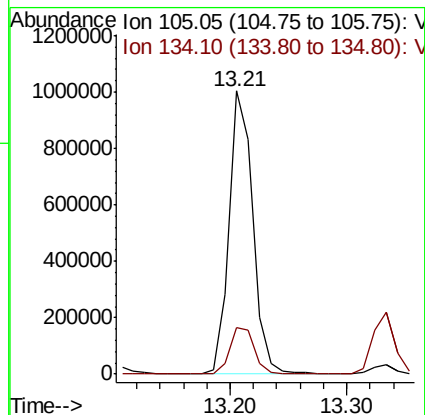
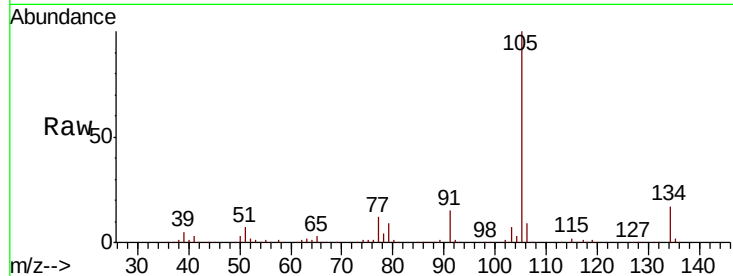
134 16.7 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 22.085 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060147.D

Acq: 9 Oct 2018 12:11

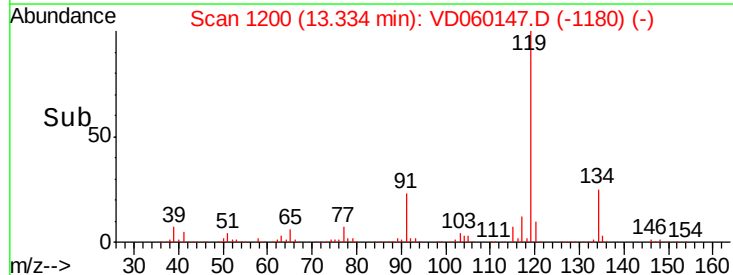
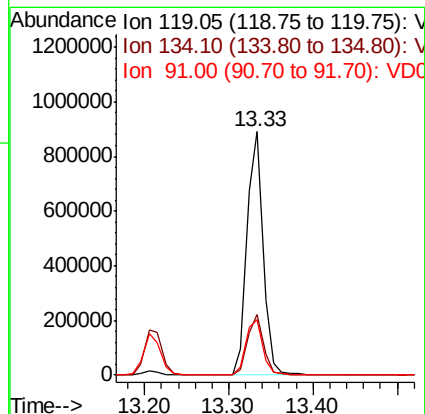
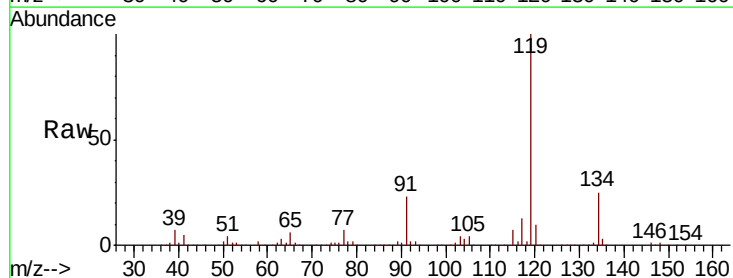
Tgt Ion:119 Resp: 1186623

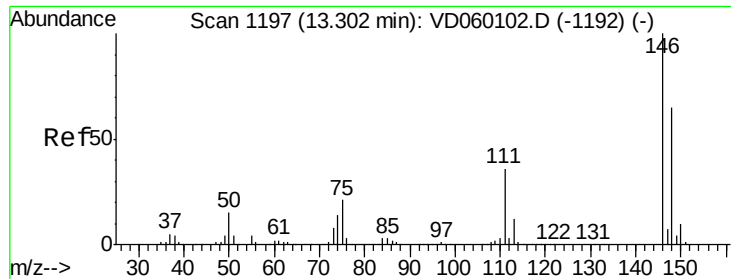
Ion Ratio Lower Upper

119 100

134 24.8 12.3 36.8

91 22.9 11.8 35.4





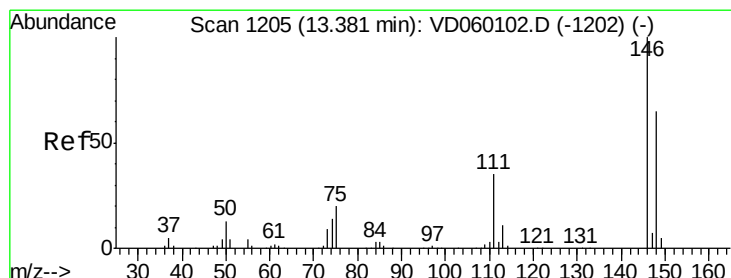
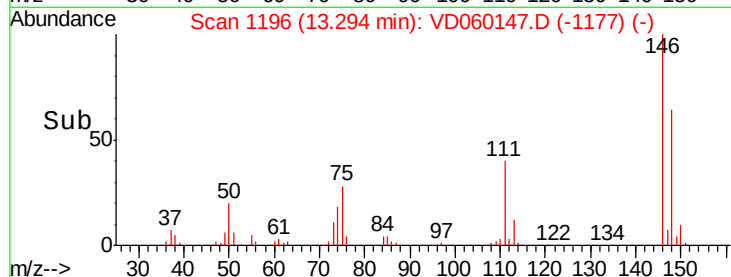
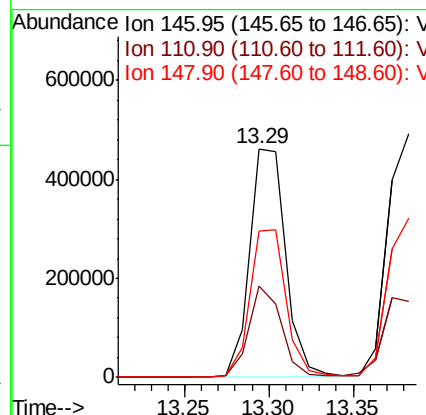
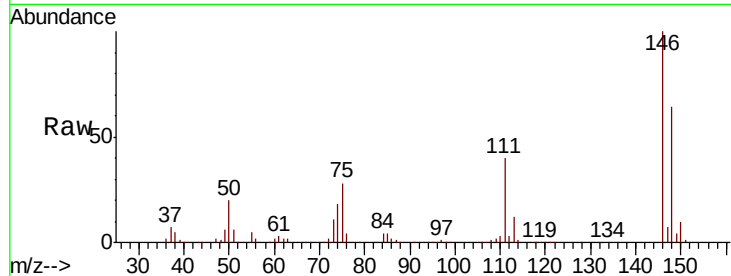
#87
 1,3-Dichlorobenzene
 Concen: 21.826 ug/l
 RT: 13.29 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.1	54.3
148	63.9	32.3	96.9

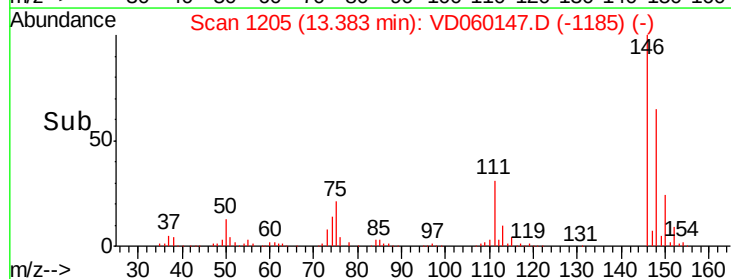
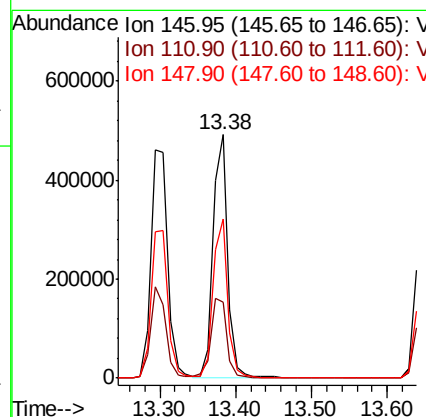
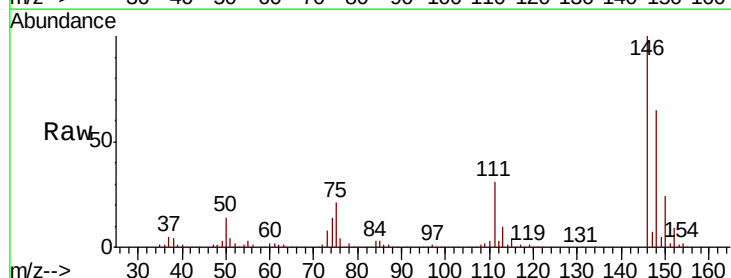
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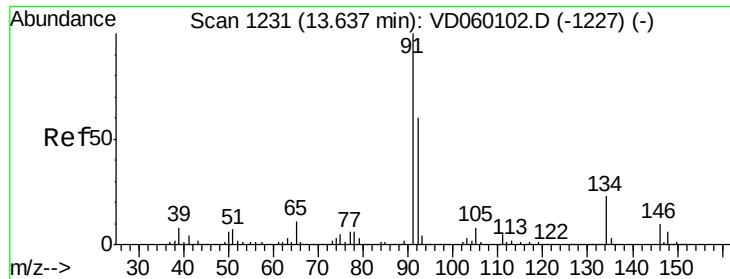
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#88
 1,4-Dichlorobenzene
 Concen: 21.157 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	17.8	53.3
148	65.1	32.4	97.2





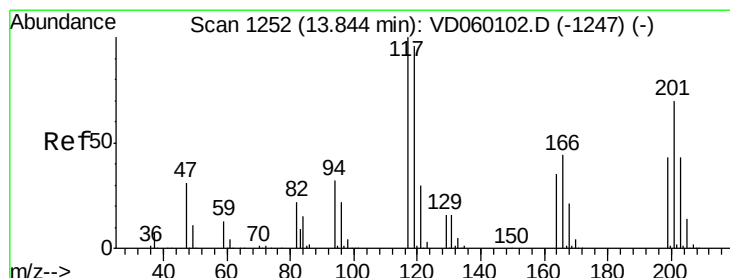
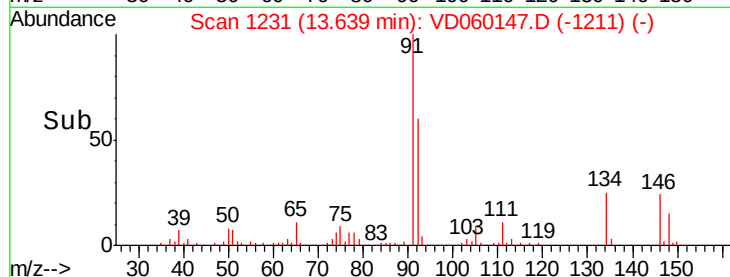
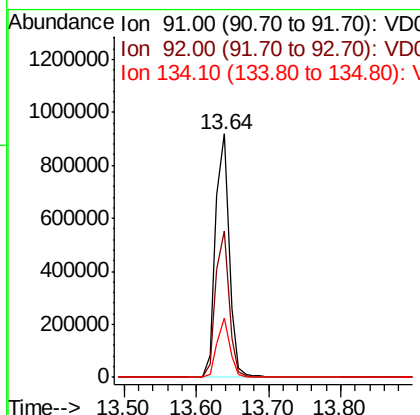
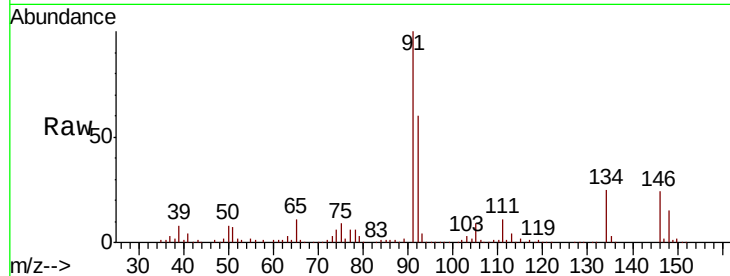
#89
n-Butylbenzene
Concen: 22.792 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion: 91 Resp: 1194917
Ion Ratio Lower Upper
91 100
92 60.2 30.1 90.3
134 24.6 11.6 34.7

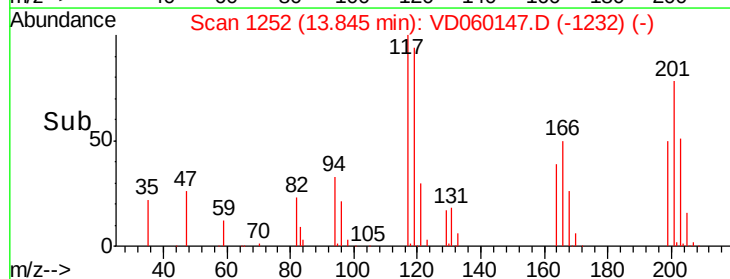
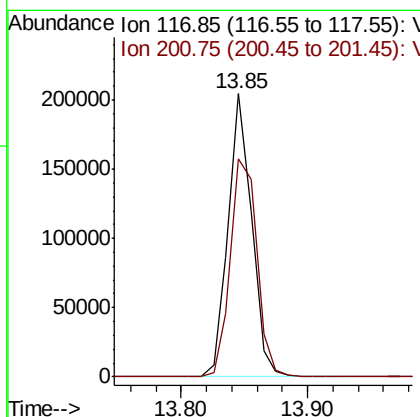
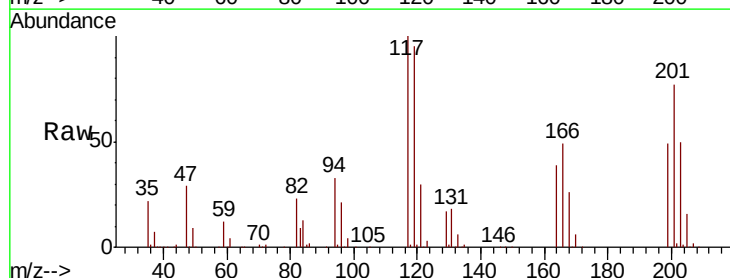
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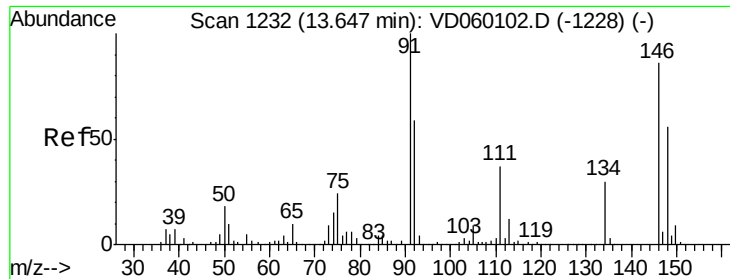
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#90
Hexachloroethane
Concen: 21.055 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion: 117 Resp: 261825
Ion Ratio Lower Upper
117 100
201 77.1 34.8 104.5





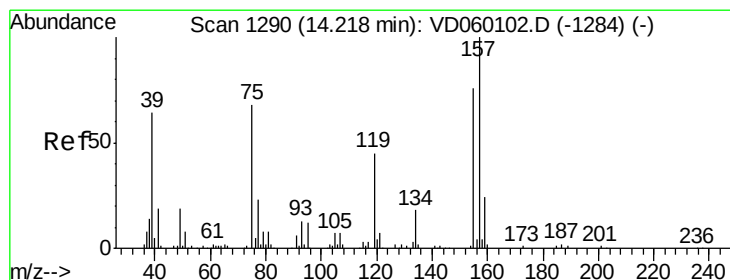
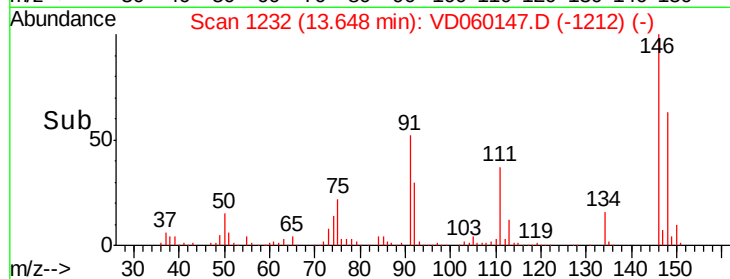
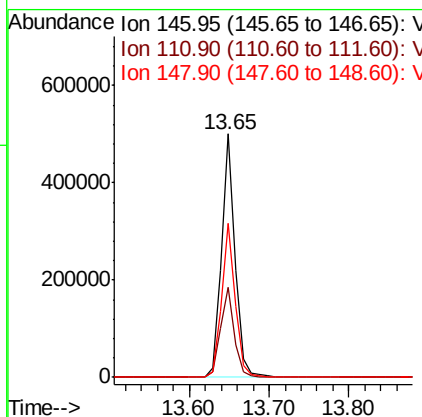
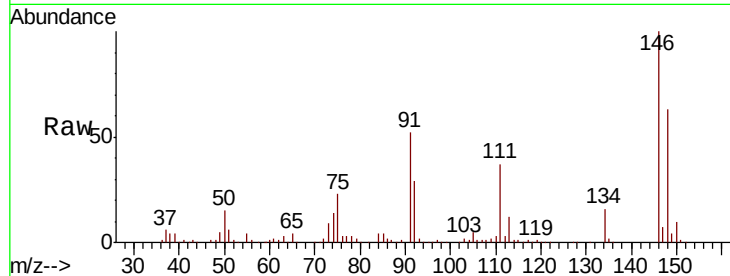
#91
 1,2-Dichlorobenzene
 Concen: 22.640 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	21.4	64.3
148	63.3	32.2	96.6

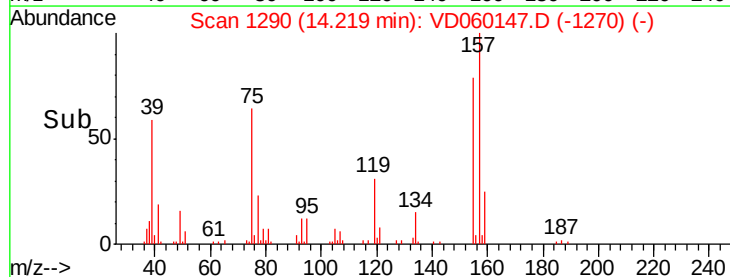
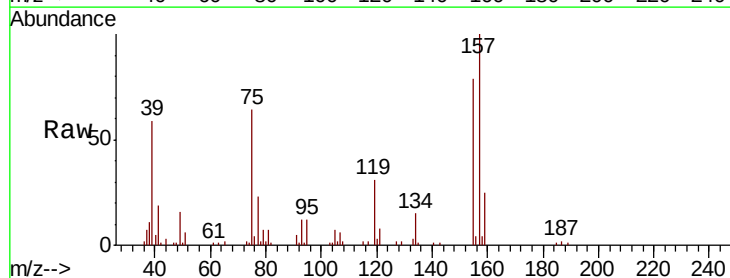
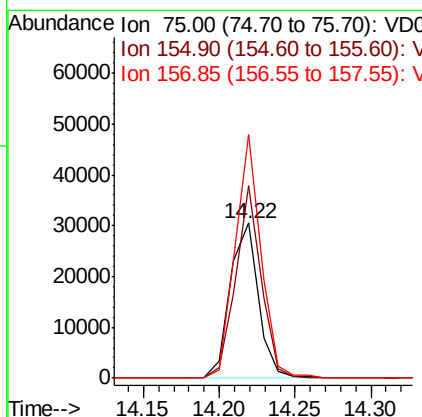
Manual Integrations
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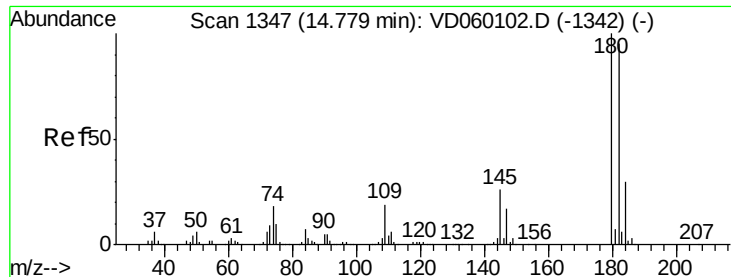
apatel
 10/10/2018 11:31:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.685 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	124.4	55.9	167.7
157	157.1	73.3	219.8





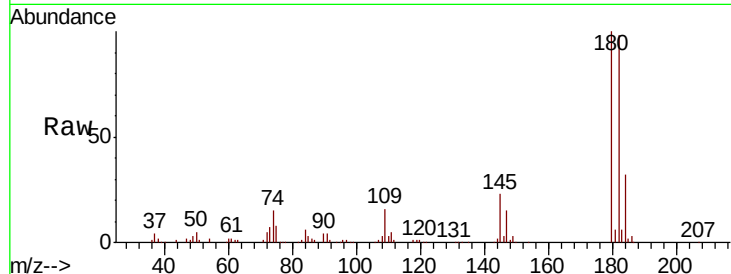
#93
 1,2,4-Trichlorobenzene
 Concen: 21.119 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	476042		
182	98.1	47.3	141.8	
145	22.8	13.0	38.9	

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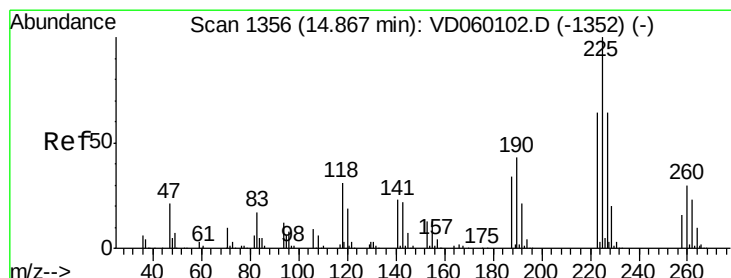
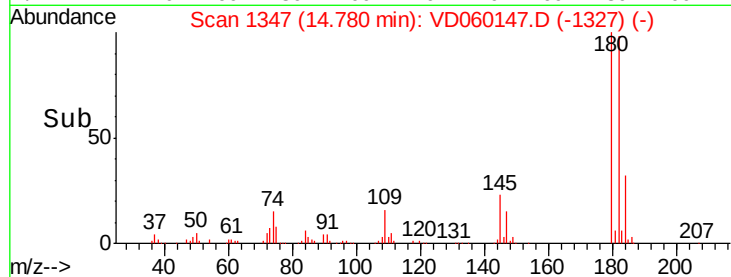
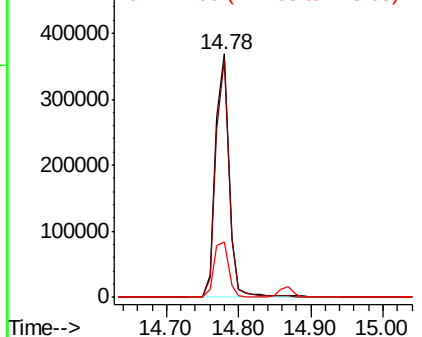


Abundance

Ion 179.85 (179.55 to 180.55): V

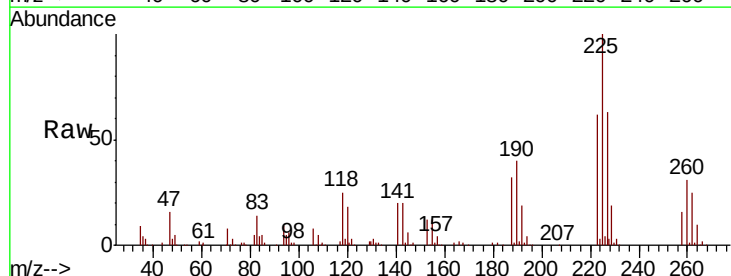
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 21.374 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060147.D
 Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	320246		
223	61.6	31.8	95.4	
227	63.2	32.0	96.0	

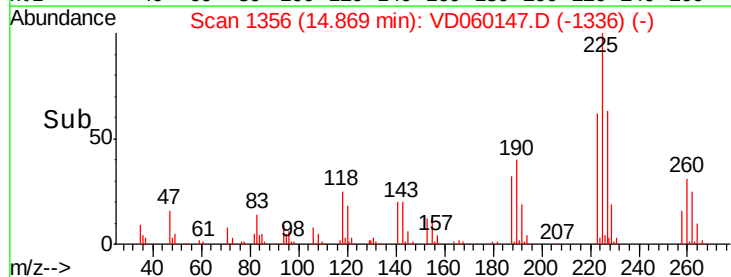
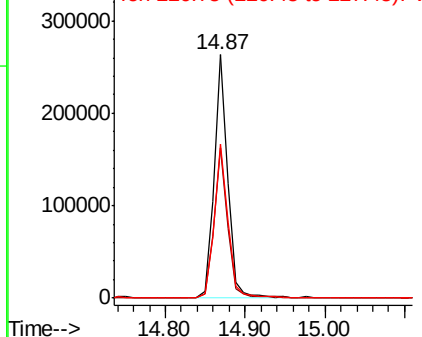


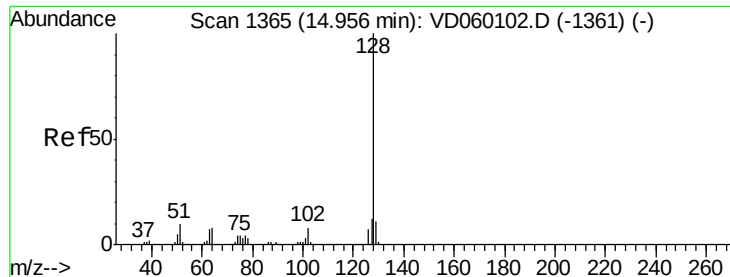
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





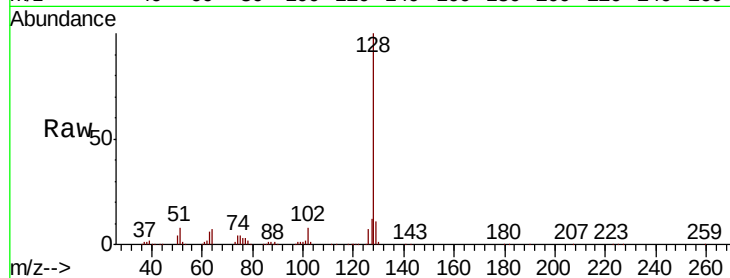
#95
Naphthalene
Concen: 20.803 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	695076		
127	12.0		9.9	14.9
129	11.0		8.8	13.2

Manual Integrations
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10/10/2018 11:31:50 AM

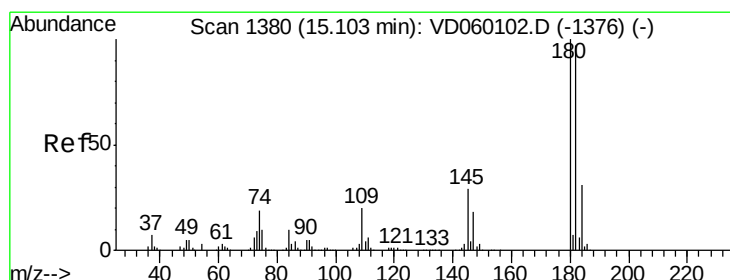
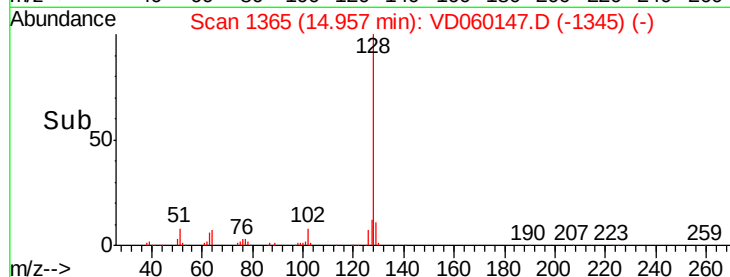
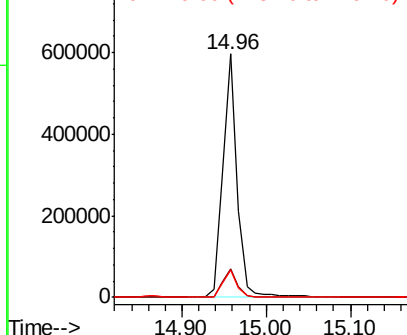


Abundance

Ion 128.00 (127.70 to 128.70): V

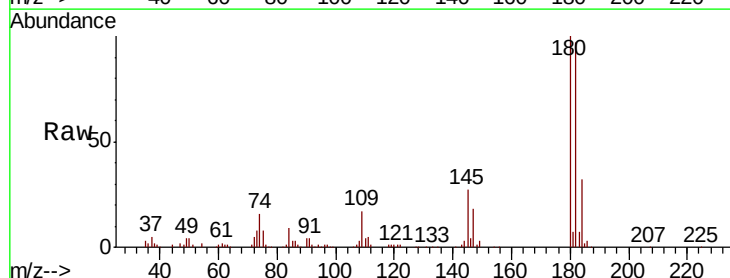
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.608 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060147.D
Acq: 9 Oct 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	404090		
182	96.9		48.4	145.0
145	26.7		14.5	43.6



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

