

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060169.D
 Acq On : 10 Oct 2018 12:17
 Operator : VA/AP
 Sample : VD1010SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Quant Time: Oct 11 01:09:17 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	6.39	168	1498641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2059151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1670943	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	924960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	613663	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	6.30	113	839029	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	9.44	98	2278603	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.42	95	878163	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	251491	17.840	ug/l	99
3) Chloromethane	1.74	50	267870	21.073	ug/l	99
4) Vinyl Chloride	1.83	62	209330	20.122	ug/l	98
5) Bromomethane	2.12	94	17923	13.721	ug/l	96
6) Chloroethane	2.23	64	46702	16.451	ug/l	92
7) Trichlorofluoromethane	2.48	101	241101	19.356	ug/l	97
8) Diethyl Ether	2.81	74	55840	21.801	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	159680	20.577	ug/l	100
10) Methyl Iodide	3.22	142	139318	16.929	ug/l	98
11) Tert butyl alcohol	3.96	59	86104	105.686	ug/l	95
12) 1,1-Dichloroethene	3.04	96	130563	21.357	ug/l	90
13) Acrolein	2.96	56	42093	83.812	ug/l	97
14) Allyl chloride	3.51	41	264518	20.833	ug/l	97
15) Acrylonitrile	4.06	53	371122	110.053	ug/l	98
16) Acetone	3.14	43	268086	130.057	ug/l	96
17) Carbon Disulfide	3.29	76	406635	19.780	ug/l	99
18) Methyl Acetate	3.53	43	93828	21.178	ug/l	95
19) Methyl tert-butyl Ether	4.11	73	593563	22.083	ug/l	96
20) Methylene Chloride	3.69	84	593135	35.292	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	328009	20.775	ug/l	95
22) Diisopropyl ether	4.83	45	1247574	22.002	ug/l	96
23) Vinyl Acetate	4.78	43	3649270	114.493	ug/l	99
24) 1,1-Dichloroethane	4.74	63	562727	21.888	ug/l	99
25) 2-Butanone	5.60	43	644146	125.086	ug/l	96
26) 2,2-Dichloropropane	5.56	77	442756	22.717	ug/l	95
27) cis-1,2-Dichloroethene	5.57	96	357122	21.348	ug/l	92
28) Bromochloromethane	5.91	49	267798	21.435	ug/l	94
29) Tetrahydrofuran	5.94	42	331213	110.730	ug/l	99
30) Chloroform	6.08	83	554440	21.319	ug/l	97
31) Cyclohexane	6.35	56	508477	20.661	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	462528	21.708	ug/l	98
36) 1,1-Dichloropropene	6.51	75	421995	21.446	ug/l	99
37) Ethyl Acetate	5.68	43	284154	21.756	ug/l	99
38) Carbon Tetrachloride	6.48	117	371221	20.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	468845	20.971	ug/l	98
40) Benzene	6.77	78	1102943	21.425	ug/l	99
41) Methacrylonitrile	5.93	41	331502	44.905	ug/l #	93
42) 1,2-Dichloroethane	6.87	62	321833	21.806	ug/l	99
43) Isopropyl Acetate	8.34	43	360545	20.983	ug/l #	99
44) Trichloroethene	7.73	130	333640	20.937	ug/l	98
45) 1,2-Dichloropropane	8.09	63	293244	21.755	ug/l	99
46) Dibromomethane	8.20	93	184487	21.141	ug/l	94
47) Bromodichloromethane	8.47	83	410263	22.064	ug/l	100
48) Methyl methacrylate	8.23	41	210429	21.499	ug/l	97
49) 1,4-Dioxane	8.22	88	41281	428.658	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	1229566	113.452	ug/l	97
52) Toluene	9.54	92	708036	21.356	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	380051	22.589	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	455826	21.940	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	233556	21.549	ug/l	98
56) Ethyl methacrylate	10.02	69	254434	21.266	ug/l	97
57) 1,3-Dichloropropane	10.37	76	368112	22.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	755974	113.787	ug/l	95
59) 2-Hexanone	10.48	43	946615	121.466	ug/l	99
60) Dibromochloromethane	10.63	129	283552	21.323	ug/l	97
61) 1,2-Dibromoethane	10.75	107	248594	21.587	ug/l	98
64) Tetrachloroethene	10.25	164	308371	21.071	ug/l	96
65) Chlorobenzene	11.31	112	762073	21.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	270169	22.404	ug/l	98
67) Ethyl Benzene	11.42	91	1349016	23.033	ug/l	98
68) m/p-Xylenes	11.55	106	999617	45.680	ug/l	95
69) o-Xylene	11.93	106	475667	21.976	ug/l	96
70) Styrene	11.95	104	815611	22.532	ug/l	99
71) Bromoform	12.11	173	212722	21.784	ug/l	99
73) Isopropylbenzene	12.27	105	1315963	21.566	ug/l	100
74) N-amyl acetate	12.13	43	481400	21.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	285533	21.433	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	282178	21.184	ug/l	98
77) Bromobenzene	12.54	156	376114	21.211	ug/l	85
78) n-propylbenzene	12.63	91	1640806	21.655	ug/l	98
79) 2-Chlorotoluene	12.70	91	904362	21.505	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1045262	22.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	79090	21.131	ug/l	97
82) 4-Chlorotoluene	12.80	91	1059388	22.272	ug/l	98
83) tert-Butylbenzene	13.04	119	1149372	21.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1053219	21.160	ug/l	98
85) sec-Butylbenzene	13.22	105	1411415	22.026	ug/l	98
86) p-Isopropyltoluene	13.34	119	1137667	21.646	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	675385	21.861	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	663789	21.391	ug/l	99
89) n-Butylbenzene	13.64	91	1195073	23.303	ug/l	99
90) Hexachloroethane	13.86	117	259414	21.327	ug/l	59
91) 1,2-Dichlorobenzene	13.65	146	588788	22.666	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	40021	22.499	ug/l	85

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QLast Update : Tue Oct 02 06:56:35 2018
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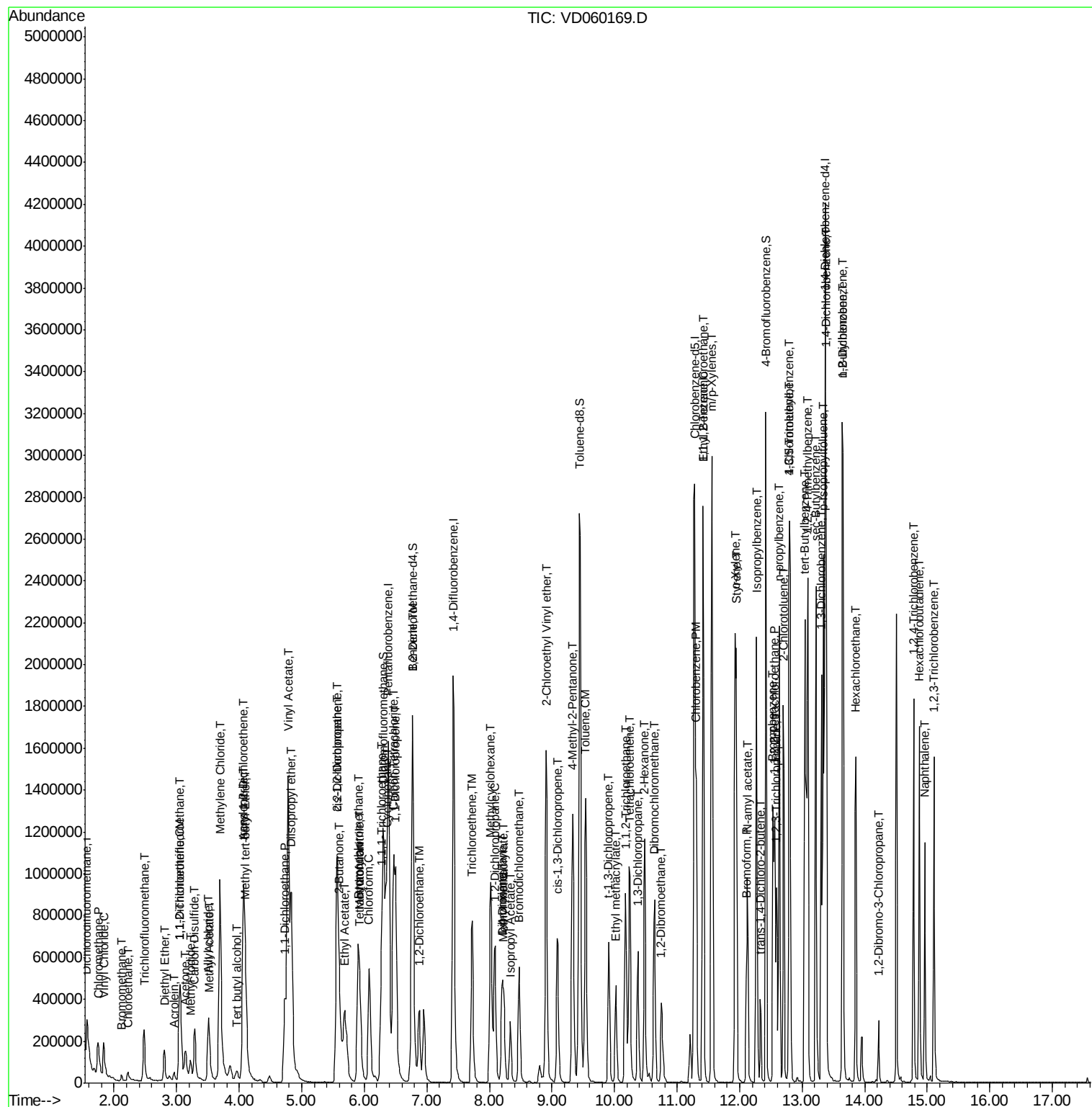
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	474840	21.536	ug/l	98
94) Hexachlorobutadiene	14.87	225	309229	21.099	ug/l	98
95) Naphthalene	14.96	128	668427	20.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	404151	21.071	ug/l	98

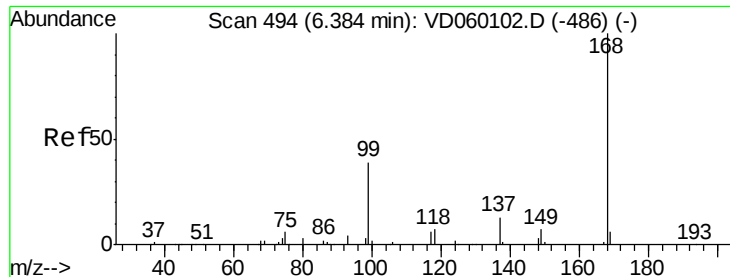
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

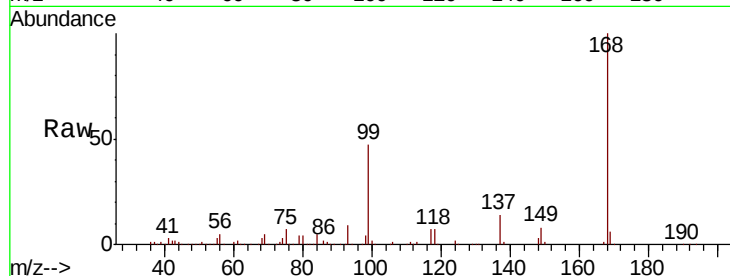
VD1010SBS01

Tot Ion:168 Resp: 1498641

Ion Ratio Lower Upper

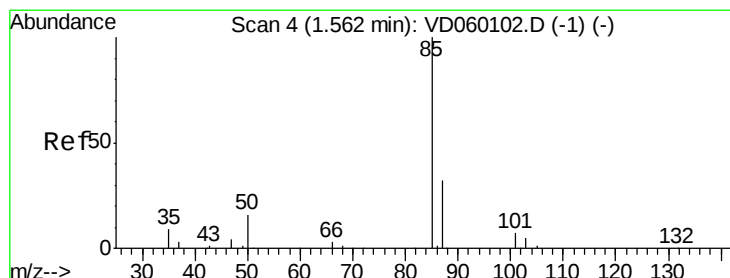
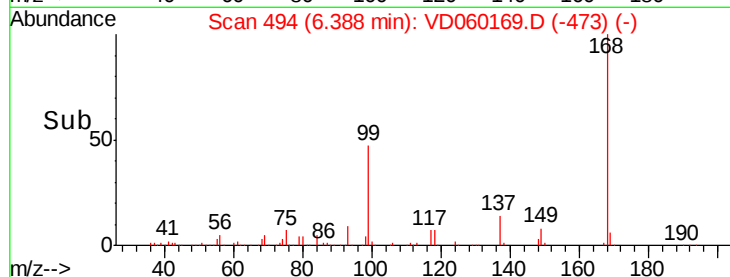
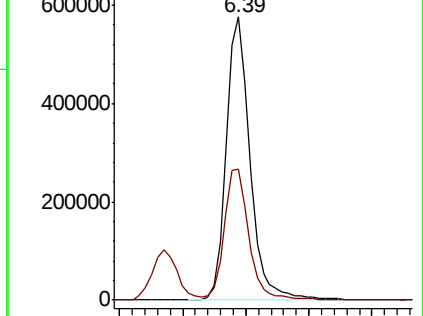
168 100

99 46.5 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.840 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060169.D

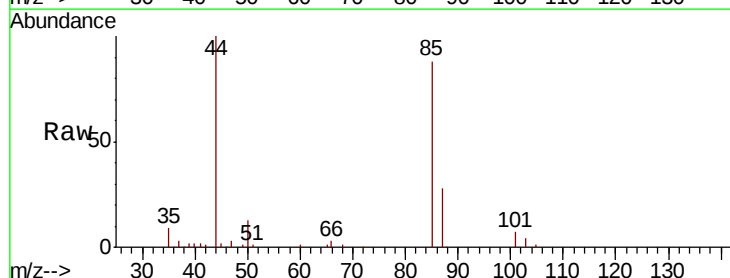
Acq: 10 Oct 2018 12:17

Tgt Ion: 85 Resp: 251491

Ion Ratio Lower Upper

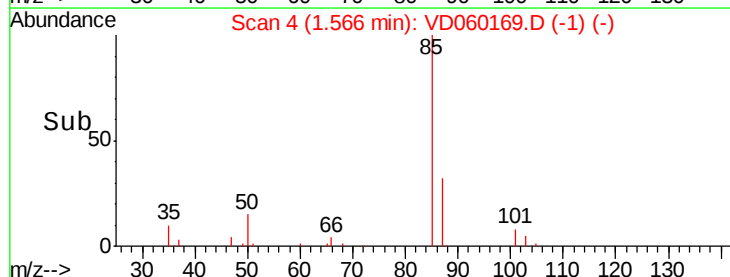
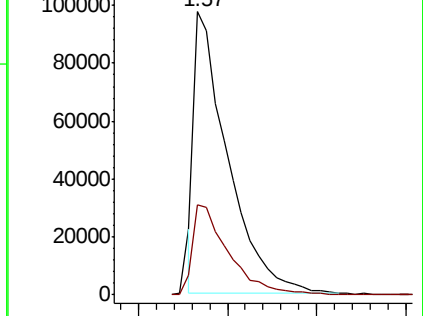
85 100

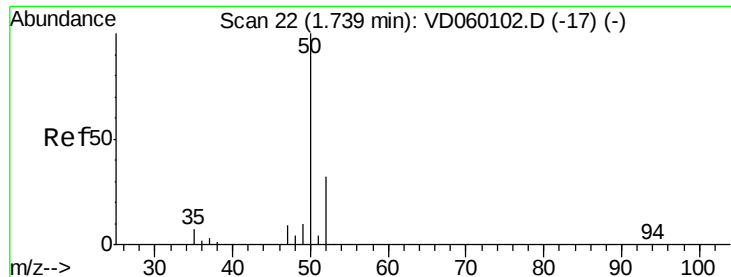
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.073 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

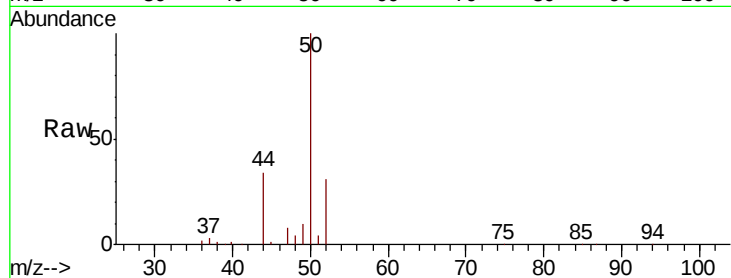
VD1010SBS01

Tot Ion: 50 Resp: 267870

Ion Ratio Lower Upper

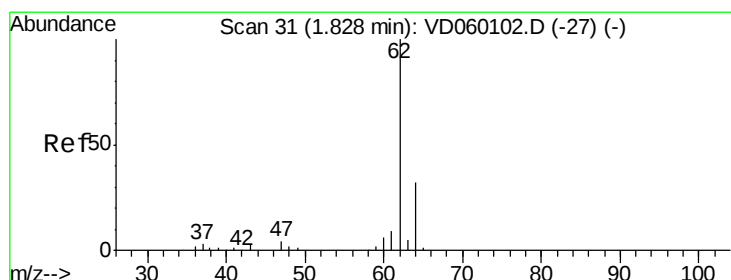
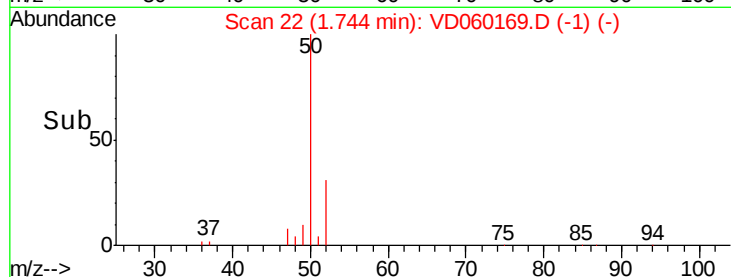
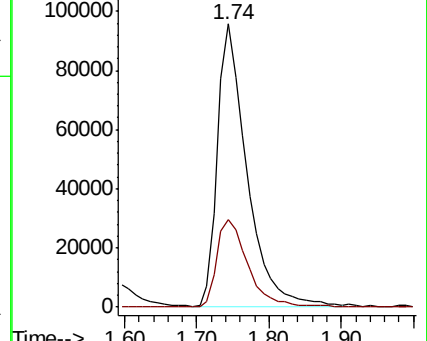
50 100

52 30.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.122 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060169.D

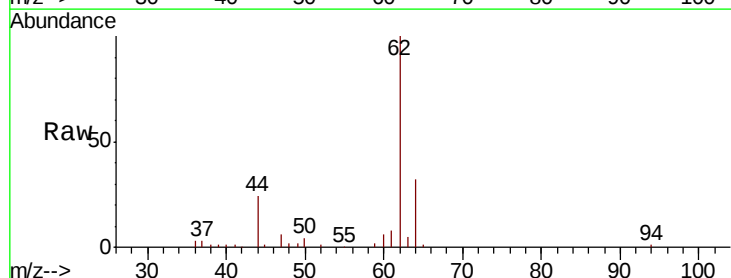
Acq: 10 Oct 2018 12:17

Tgt Ion: 62 Resp: 209330

Ion Ratio Lower Upper

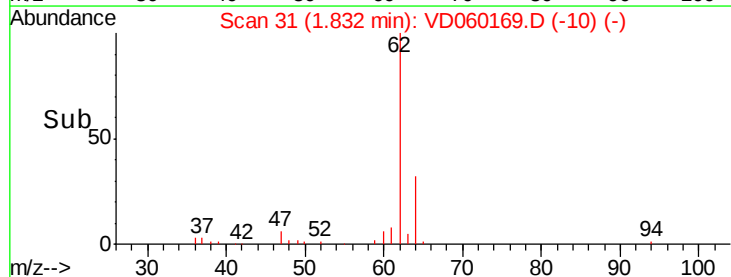
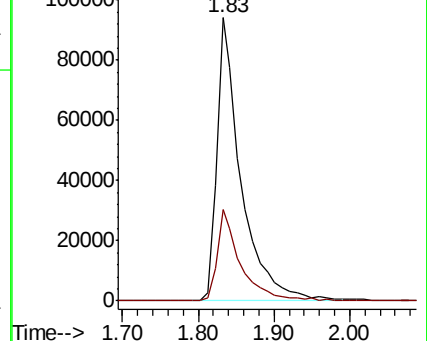
62 100

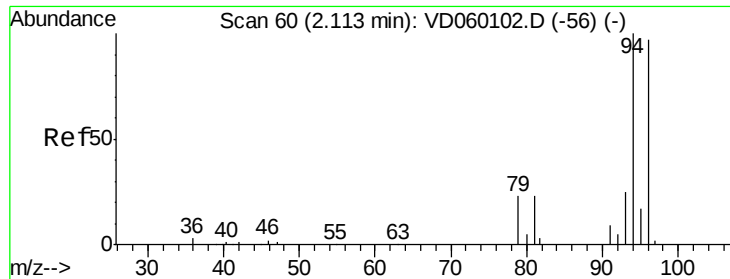
64 32.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

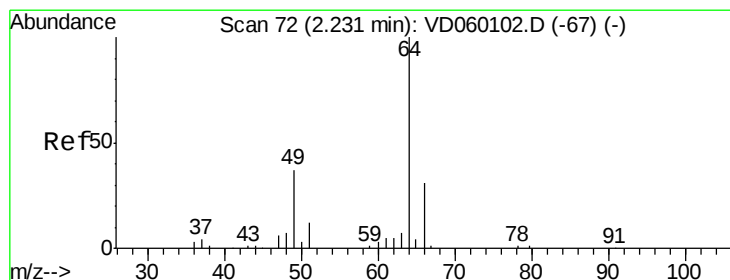
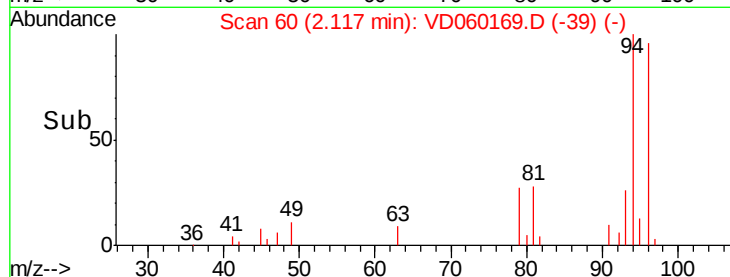
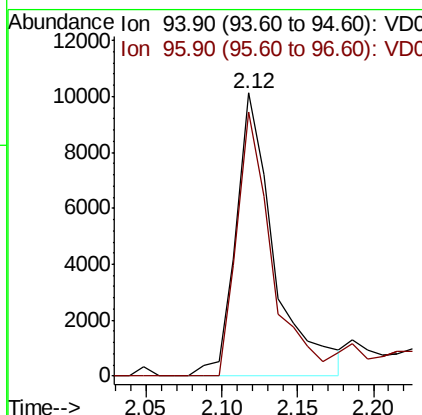
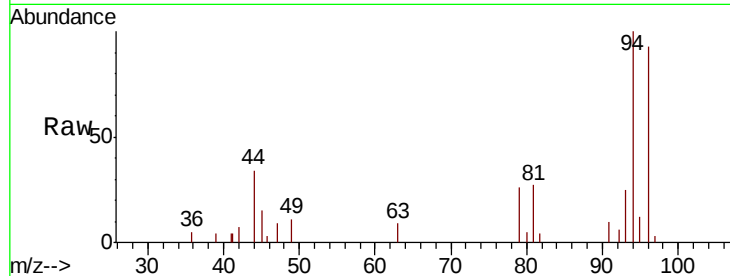




#5
Bromomethane
Concen: 13.721 ug/l
RT: 2.12 min Scan# 60
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

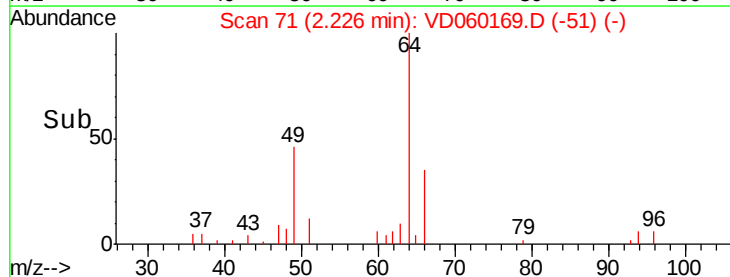
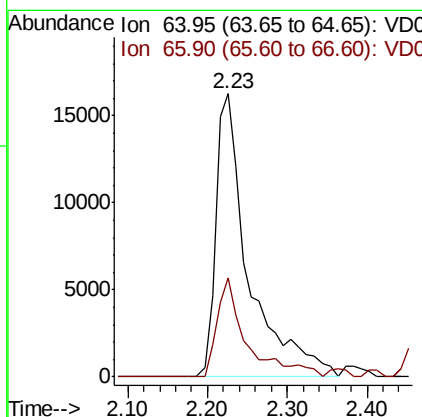
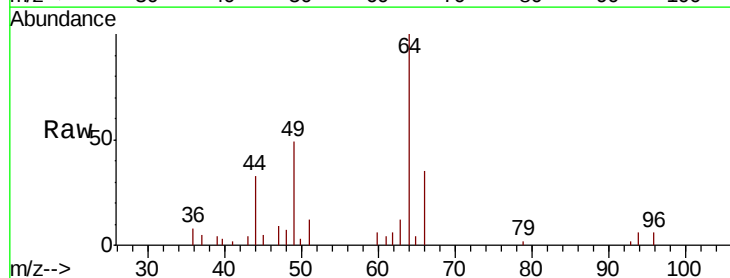
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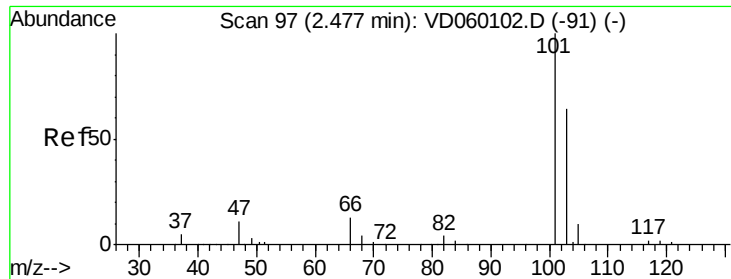
Tot Ion: 94 Resp: 17923
Ion Ratio Lower Upper
94 100
96 93.2 77.4 116.2



#6
Chloroethane
Concen: 16.451 ug/l
RT: 2.23 min Scan# 71
Delta R.T. -0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 64 Resp: 46702
Ion Ratio Lower Upper
64 100
66 35.0 24.6 37.0



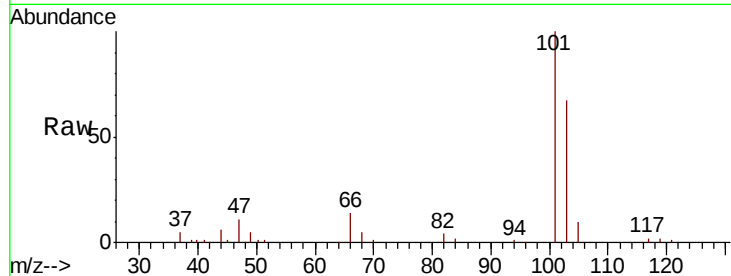


#7

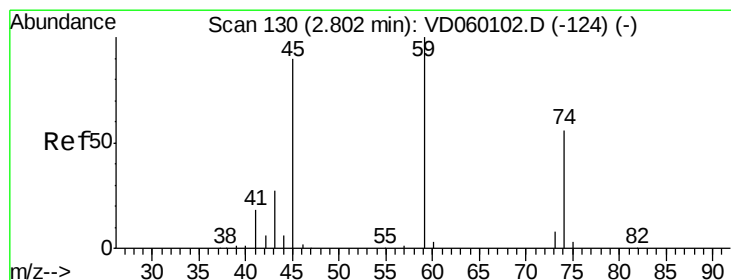
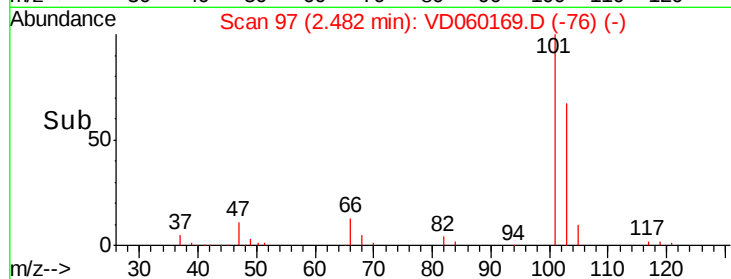
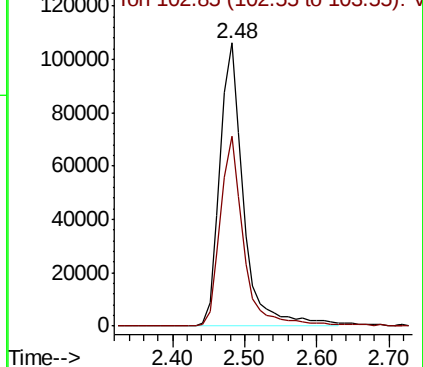
Trichlorofluoromethane
 Concen: 19.356 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:101 Resp: 241101
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.5 77.3



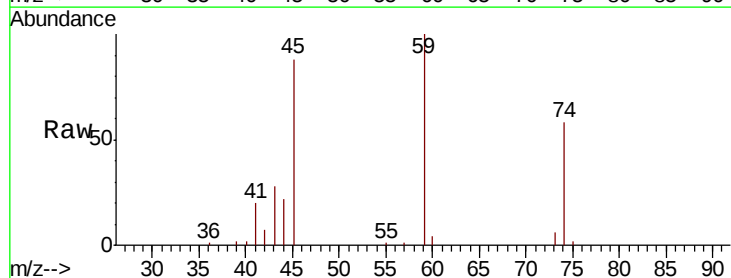
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



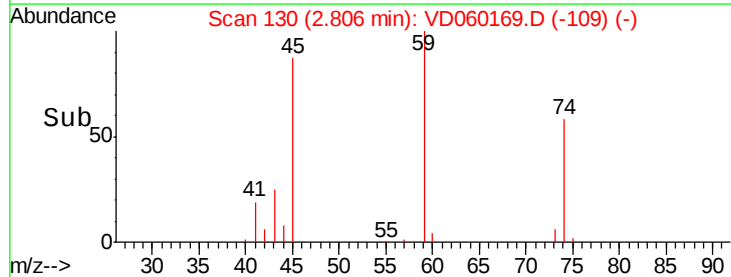
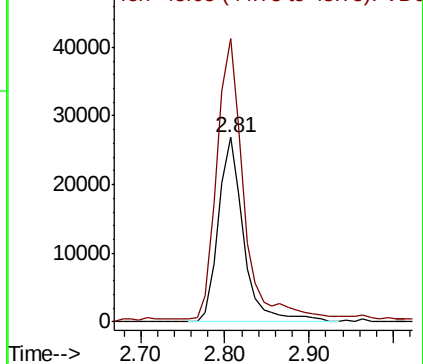
#8

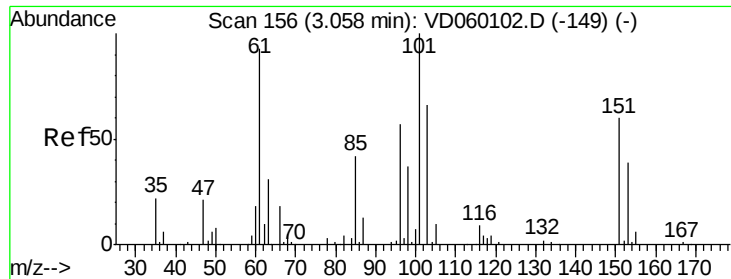
Diethyl Ether
 Concen: 21.801 ug/l
 RT: 2.81 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VD060169.D
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Tgt Ion: 74 Resp: 55840
 Ion Ratio Lower Upper
 74 100
 45 153.2 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.577 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

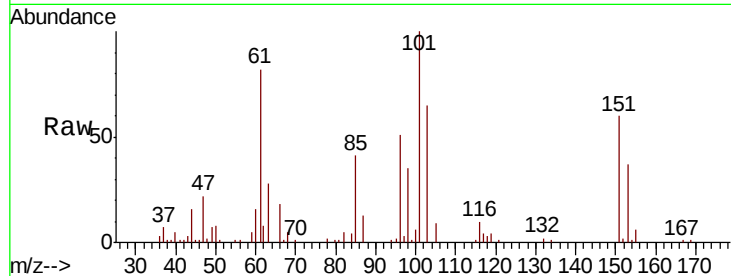
Tot Ion:101 Resp: 159680

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.0

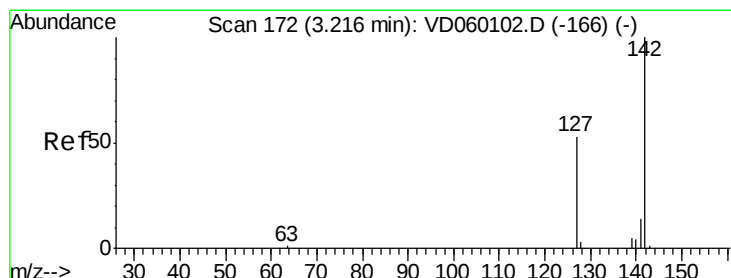
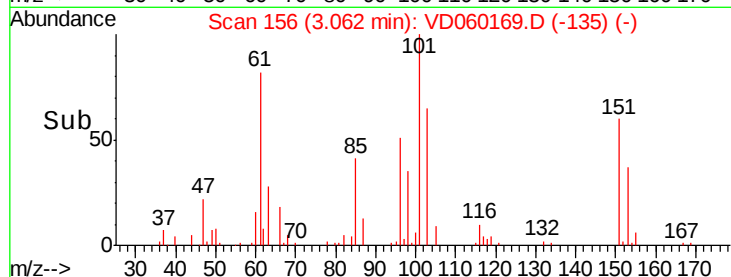
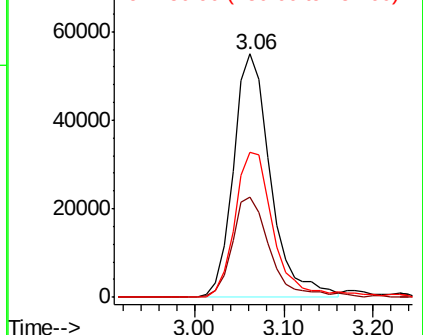
151 59.6 48.0 72.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.929 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

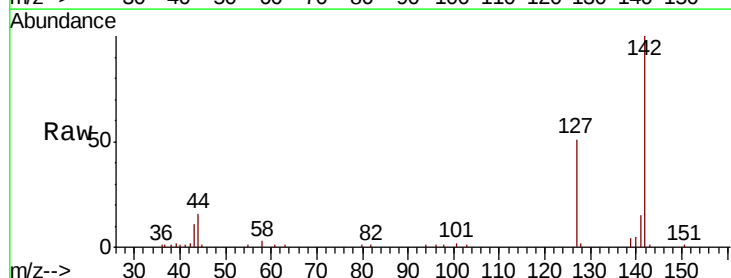
Tgt Ion:142 Resp: 139318

Ion Ratio Lower Upper

142 100

127 50.8 42.0 63.0

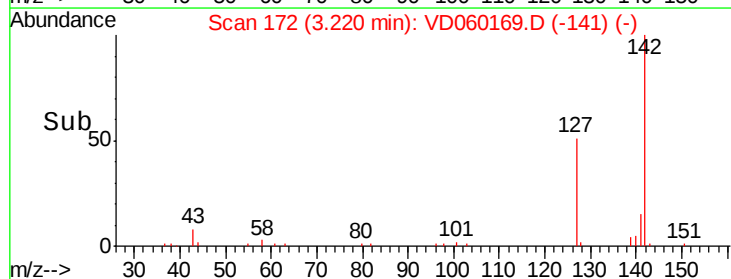
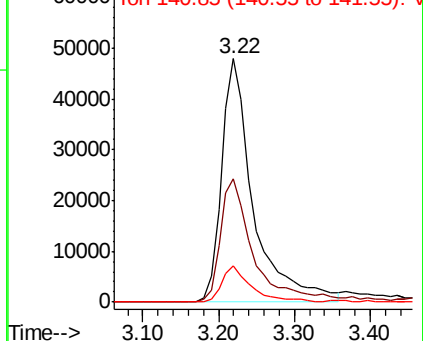
141 15.1 11.4 17.0

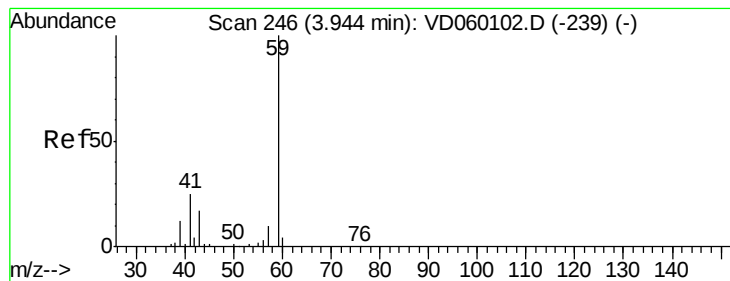


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



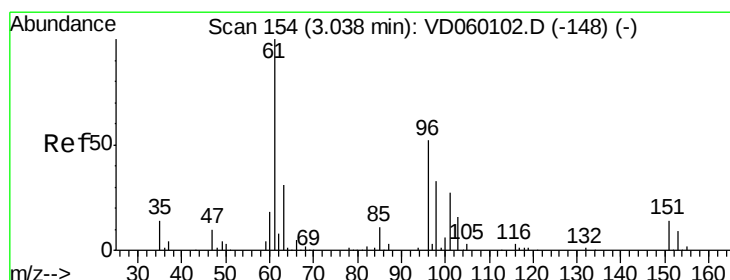
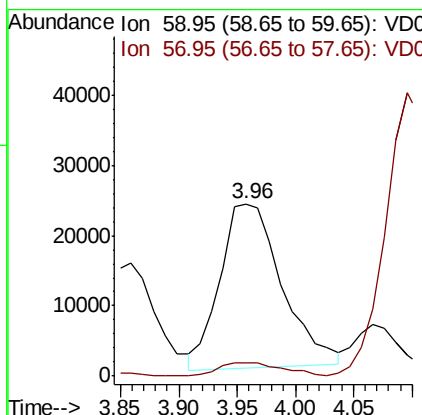
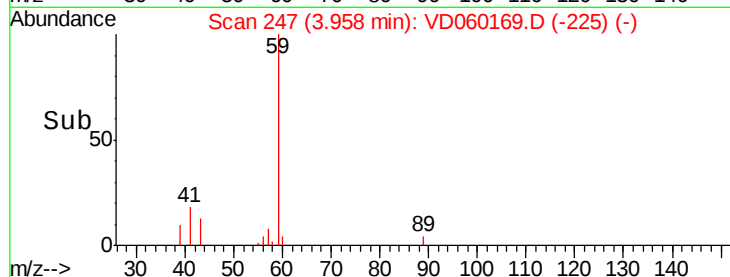
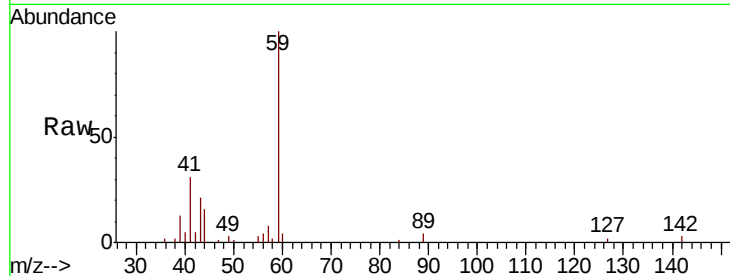


#11

Tert butyl alcohol
 Concen: 105.686 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

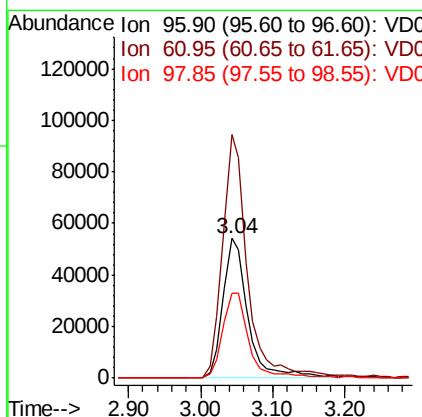
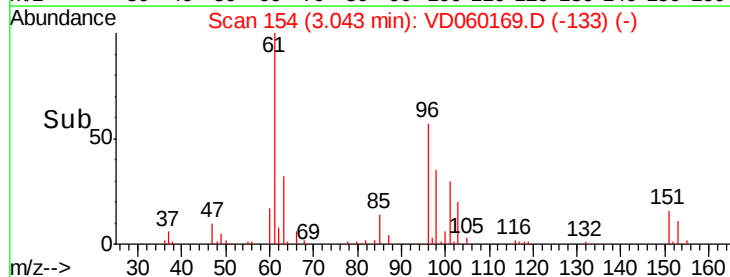
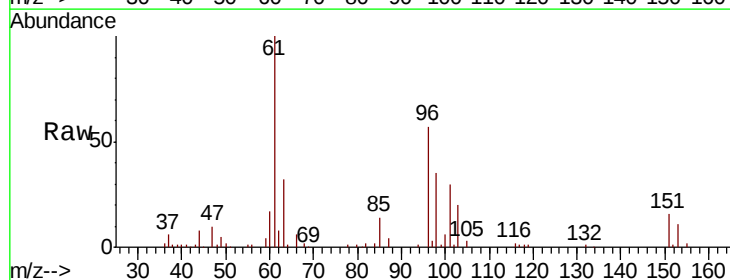
Tot Ion: 59 Resp: 86104
 Ion Ratio Lower Upper
 59 100
 57 7.8 7.8 11.6

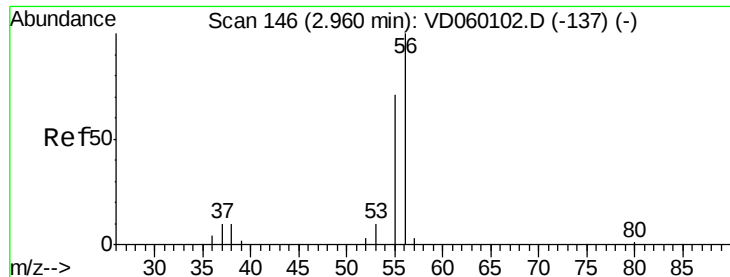


#12

1,1-Dichloroethene
 Concen: 21.357 ug/l
 RT: 3.04 min Scan# 154
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion: 96 Resp: 130563
 Ion Ratio Lower Upper
 96 100
 61 174.4 153.0 229.4
 98 60.6 51.1 76.7





#13

Acrolein

Concen: 83.812 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

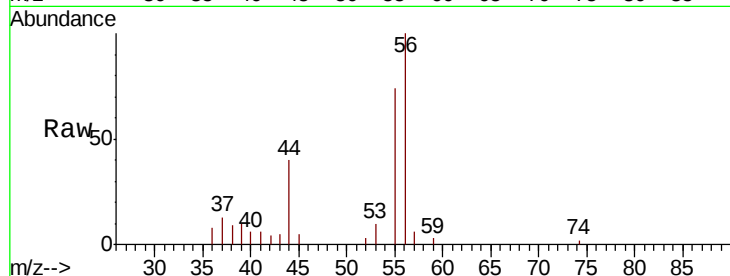
VD1010SBS01

Tot Ion: 56 Resp: 42093

Ion Ratio Lower Upper

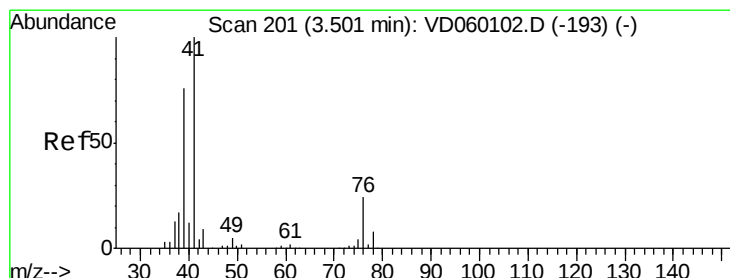
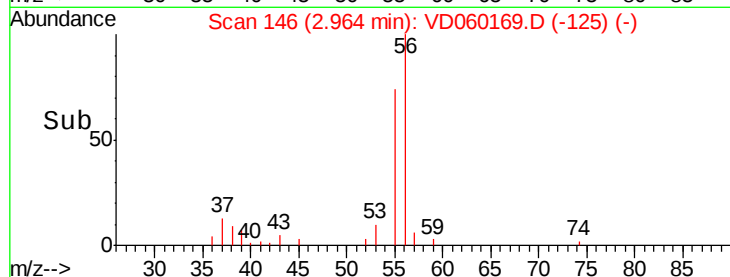
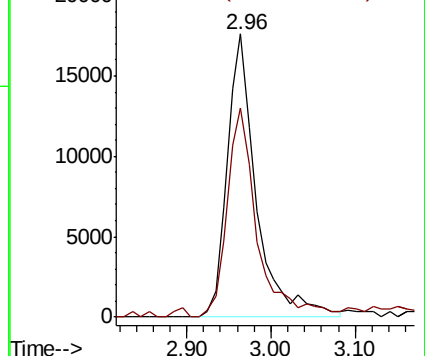
56 100

55 74.0 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.833 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

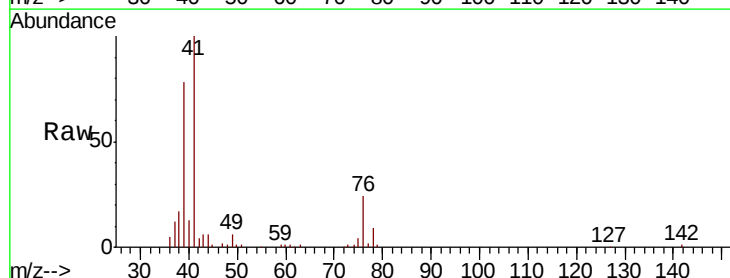
Tgt Ion: 41 Resp: 264518

Ion Ratio Lower Upper

41 100

39 78.2 60.6 90.8

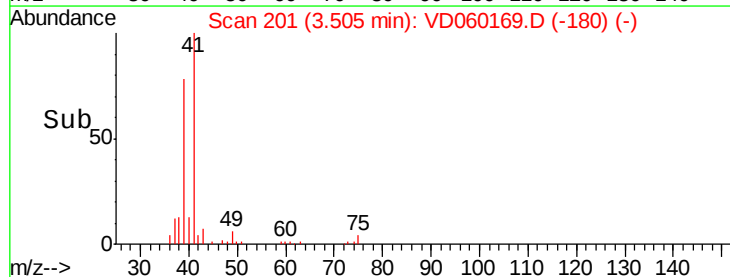
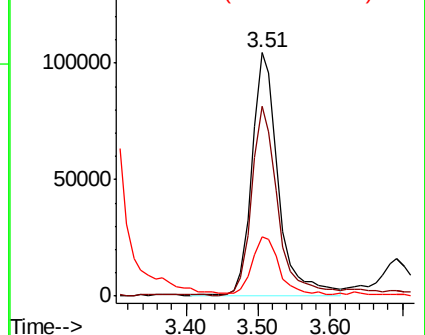
76 24.4 21.3 31.9

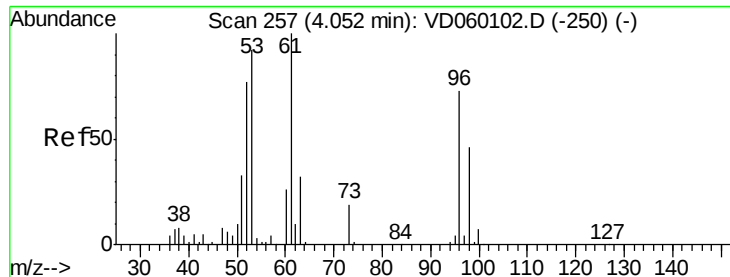


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.053 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

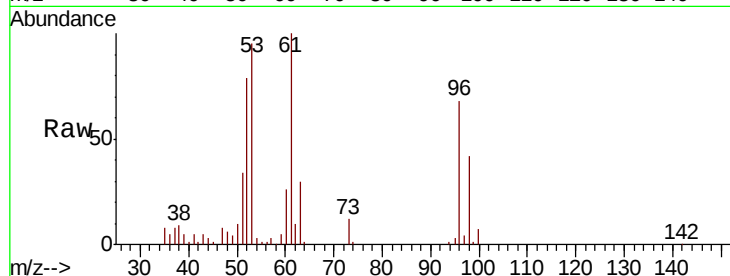
Tot Ion: 53 Resp: 371122

Ion Ratio Lower Upper

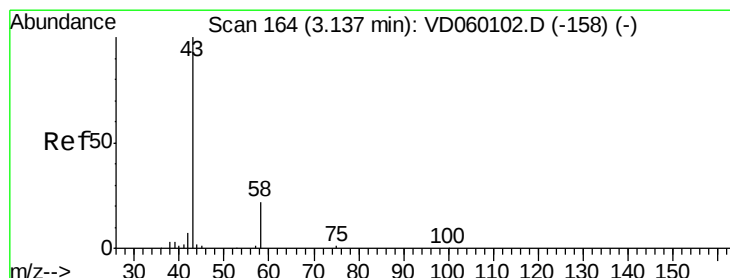
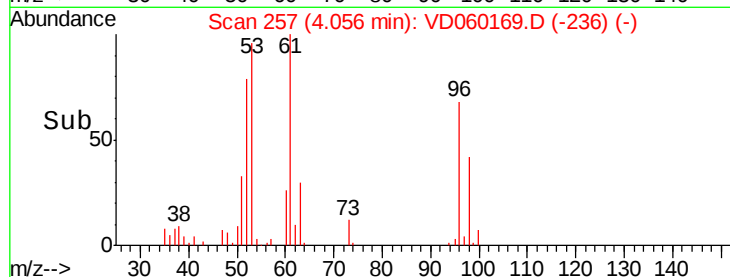
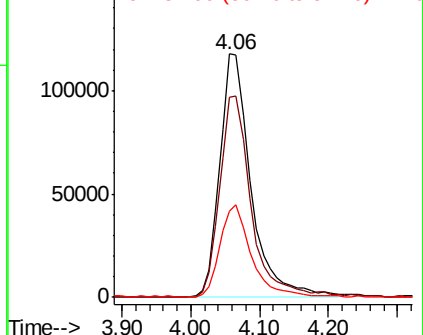
53 100

52 82.4 67.5 101.3

51 35.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 130.057 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060169.D

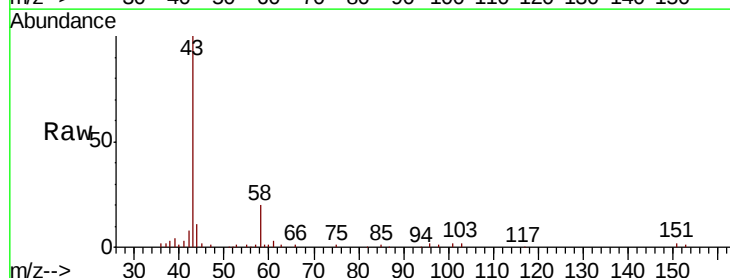
Acq: 10 Oct 2018 12:17

Tgt Ion: 43 Resp: 268086

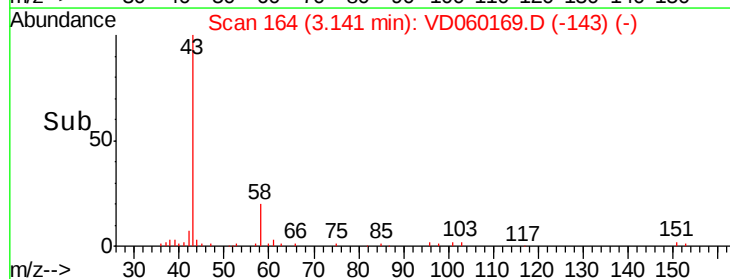
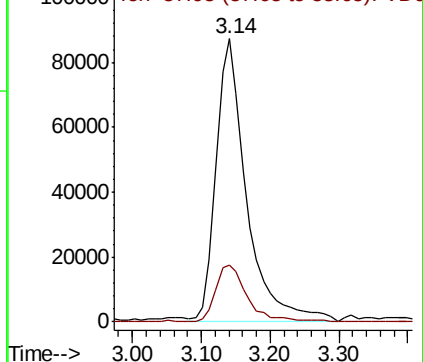
Ion Ratio Lower Upper

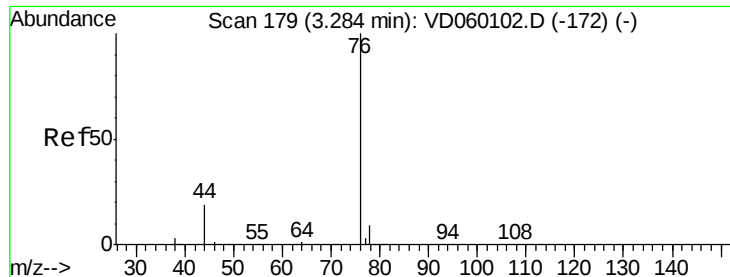
43 100

58 20.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

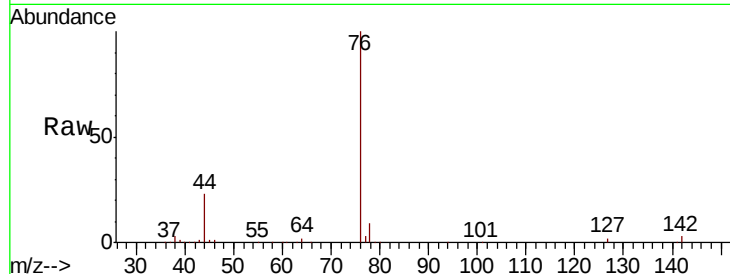




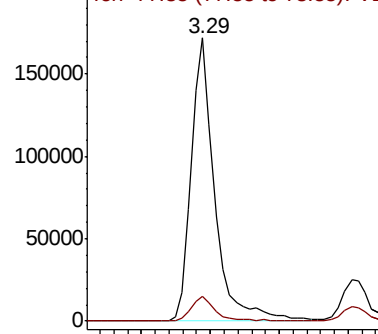
#17
Carbon Disulfide
Concen: 19.780 ug/l
RT: 3.29 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

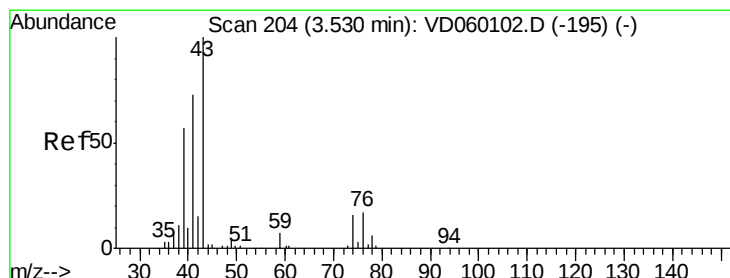
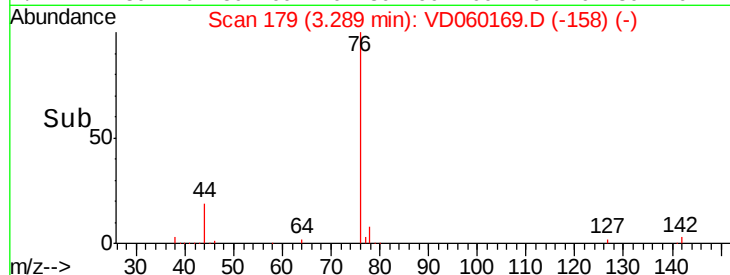
Tot Ion: 76 Resp: 406635
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

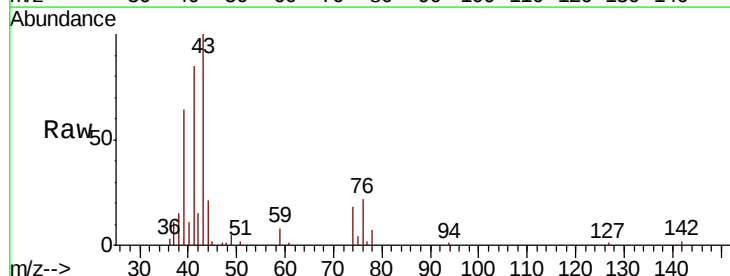


Time-->

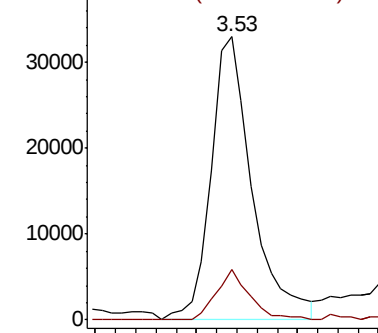


#18
Methyl Acetate
Concen: 21.178 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

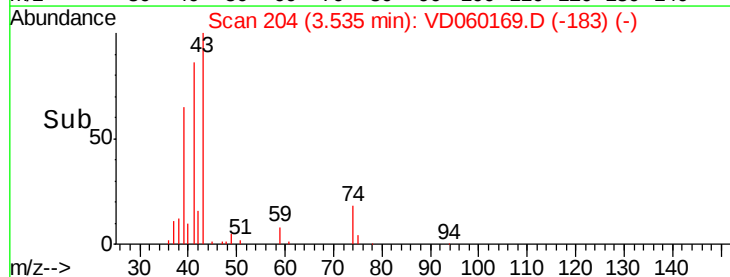
Tgt Ion: 43 Resp: 93828
Ion Ratio Lower Upper
43 100
74 17.8 12.6 19.0

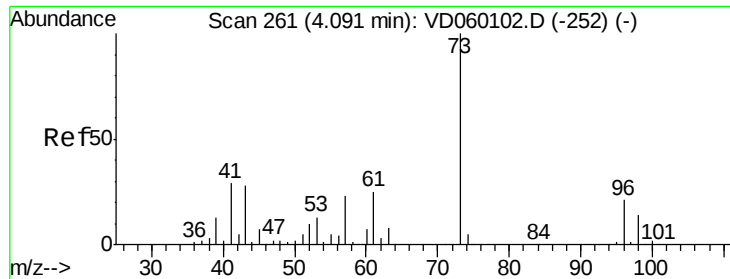


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->

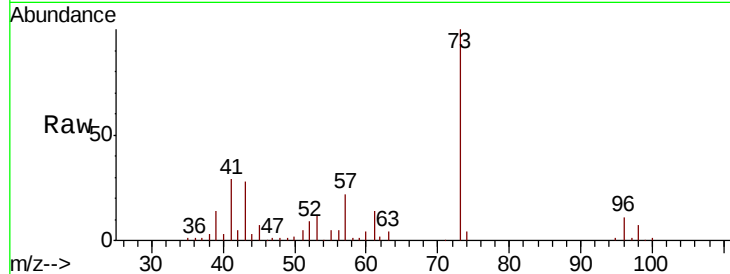




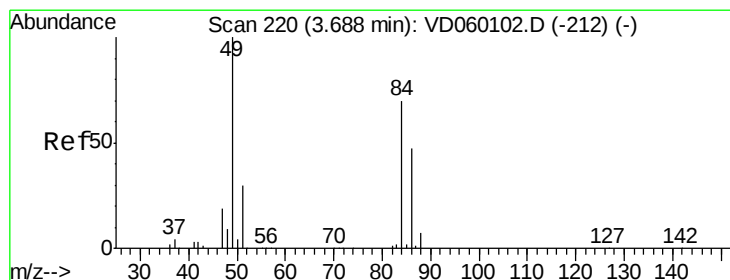
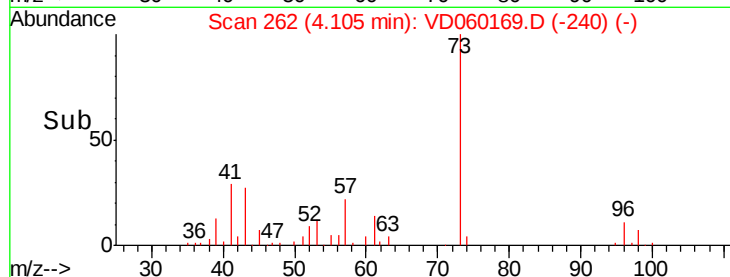
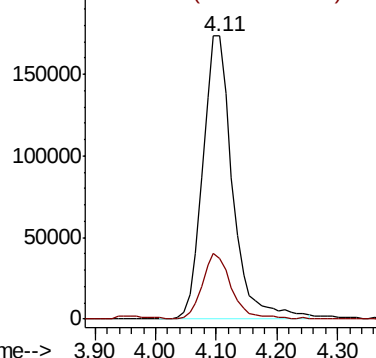
#19
Methvl tert-butvl Ether
Concen: 22.083 ug/l
RT: 4.11 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 73 Resp: 593563
Ion Ratio Lower Upper
73 100
57 21.6 18.7 28.1

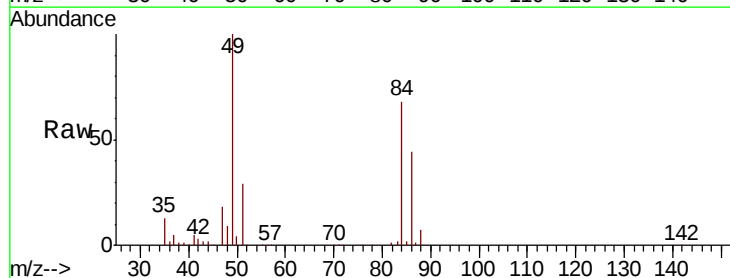


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

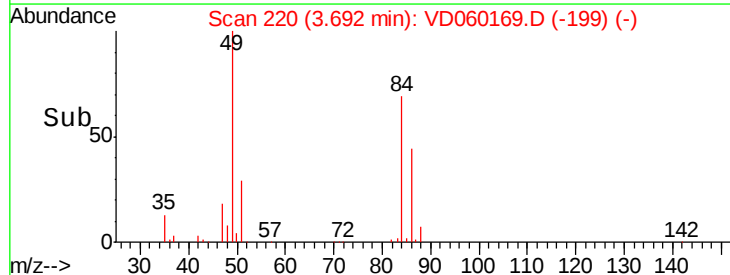
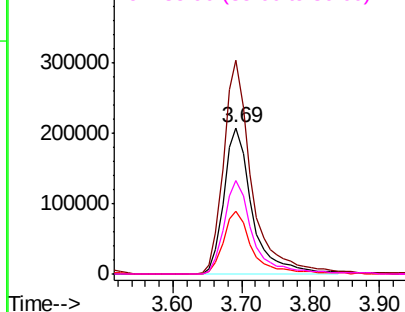


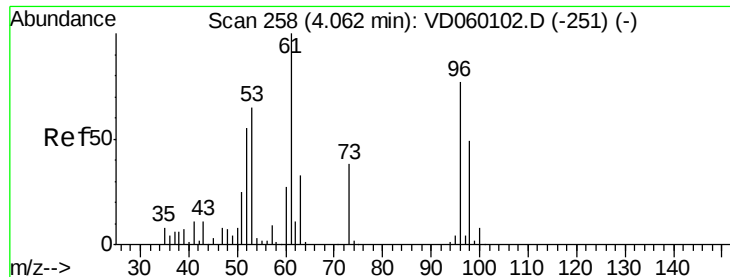
#20
Methylene Chloride
Concen: 35.292 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 84 Resp: 593135
Ion Ratio Lower Upper
84 100
49 146.2 114.6 172.0
51 42.9 33.8 50.8
86 64.3 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.775 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

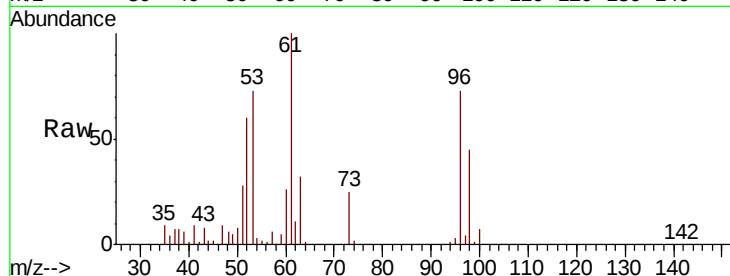
Tot Ion: 96 Resp: 328009

Ion Ratio Lower Upper

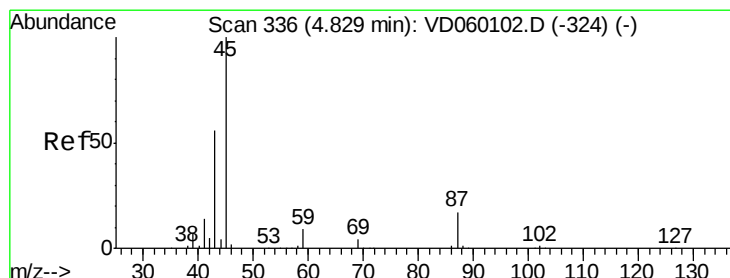
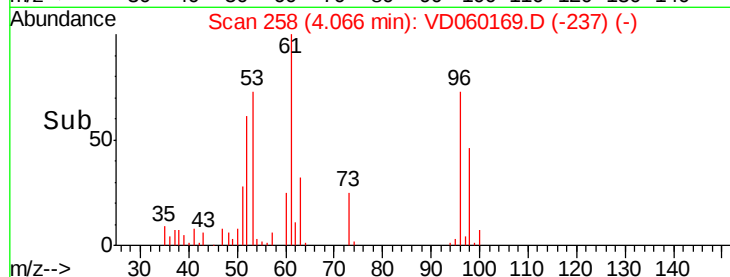
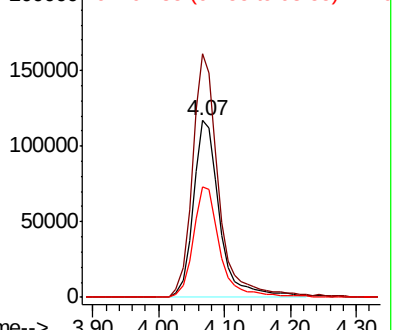
96 100

61 137.9 103.3 154.9

98 62.6 50.4 75.6



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



#22

Diisopropyl ether

Concen: 22.002 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion: 45 Resp: 1247574

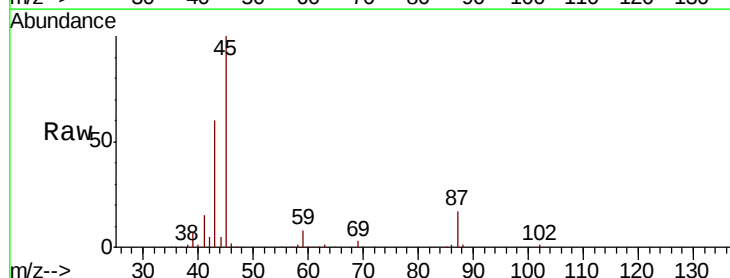
Ion Ratio Lower Upper

45 100

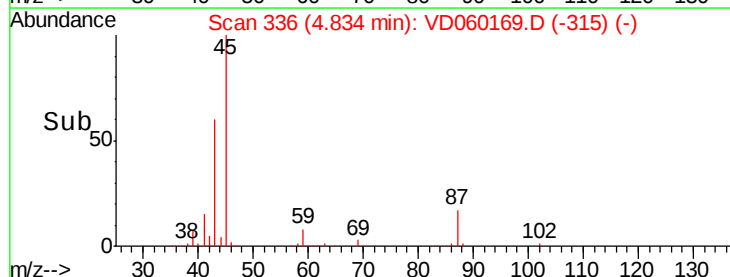
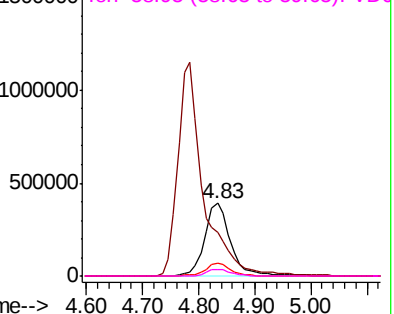
43 59.9 44.8 67.2

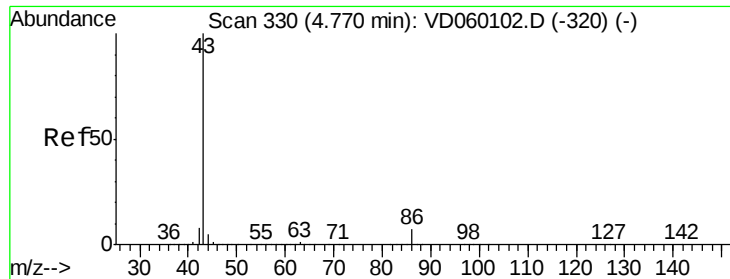
87 17.3 13.9 20.9

59 8.4 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 114.493 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

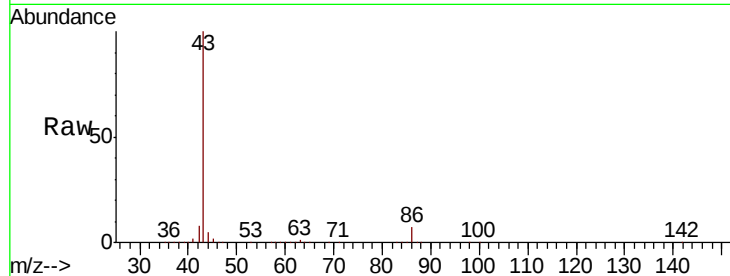
VD1010SBS01

Tot Ion: 43 Resp: 3649270

Ion Ratio Lower Upper

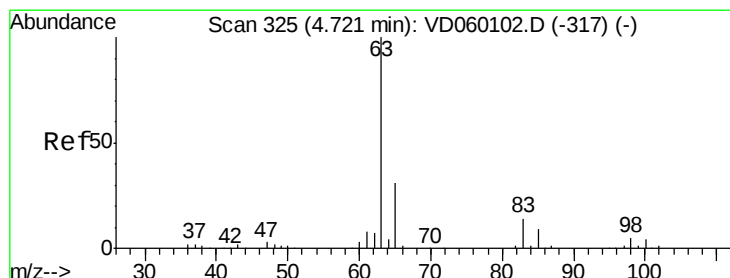
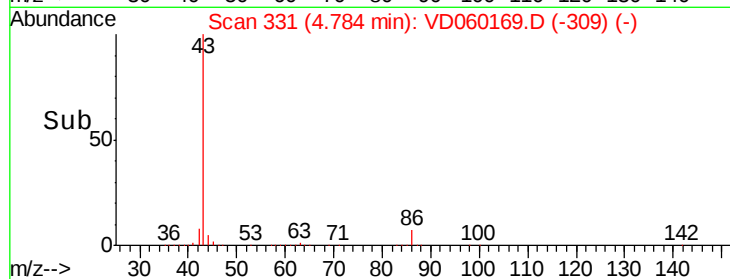
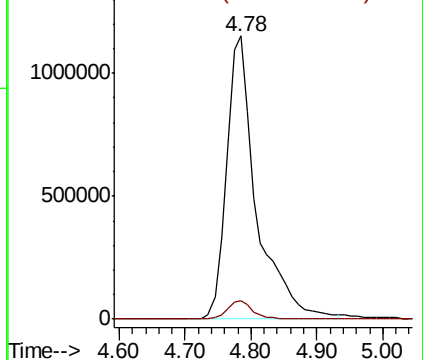
43 100

86 6.7 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.888 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

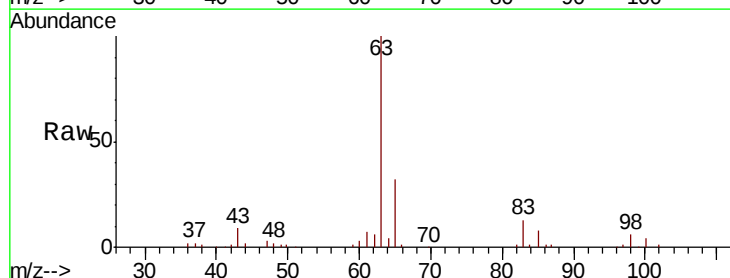
Tgt Ion: 63 Resp: 562727

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

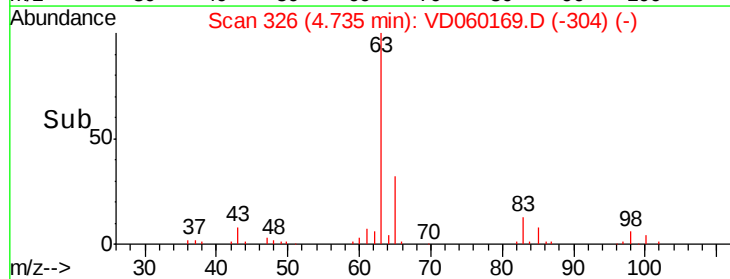
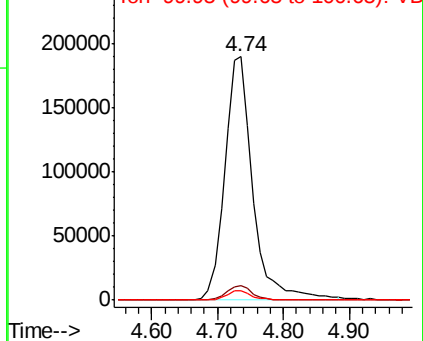
100 4.0 1.8 5.3

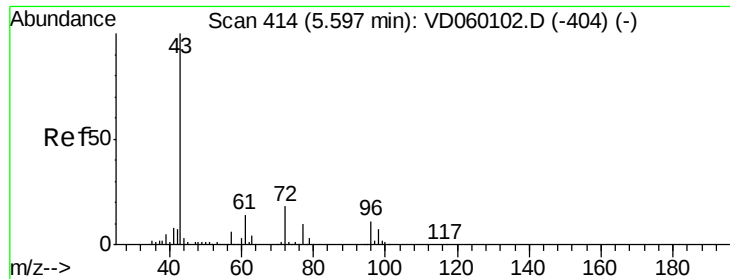


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 125.086 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

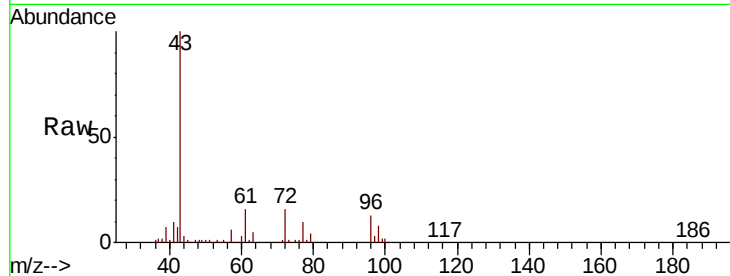
VD1010SBS01

Tot Ion: 43 Resp: 644146

Ion Ratio Lower Upper

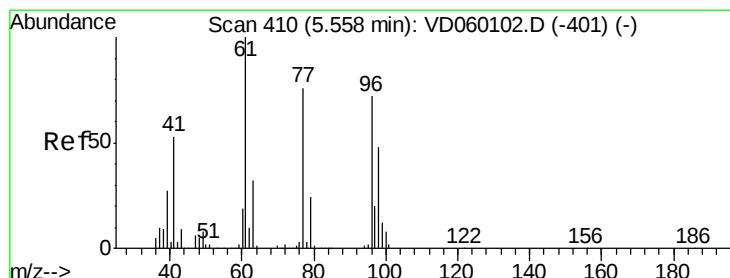
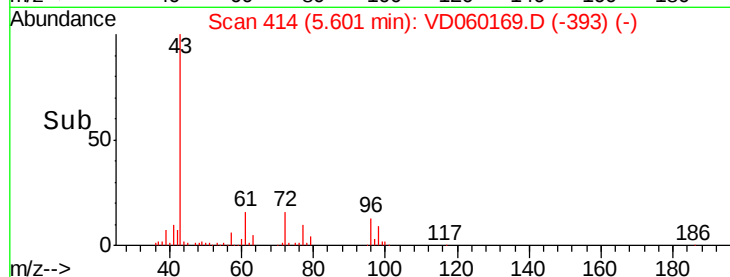
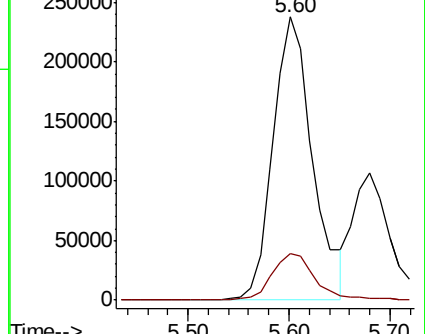
43 100

72 16.4 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.717 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060169.D

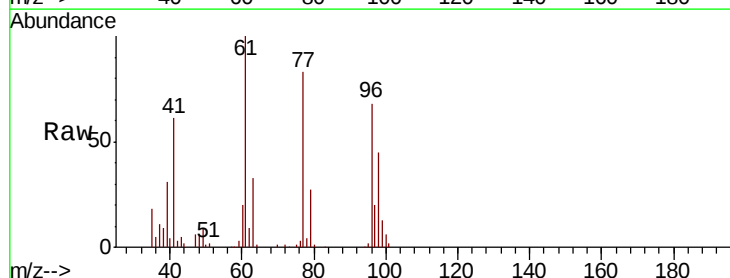
Acq: 10 Oct 2018 12:17

Tgt Ion: 77 Resp: 442756

Ion Ratio Lower Upper

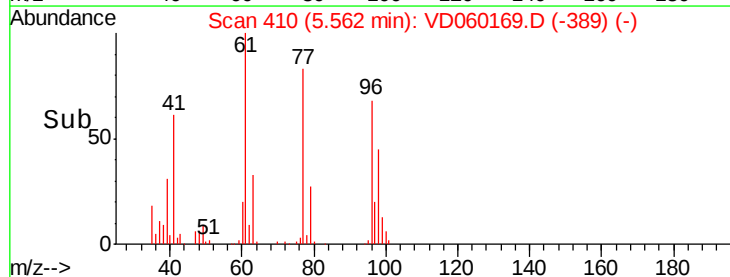
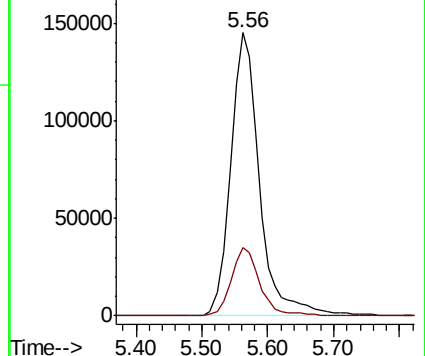
77 100

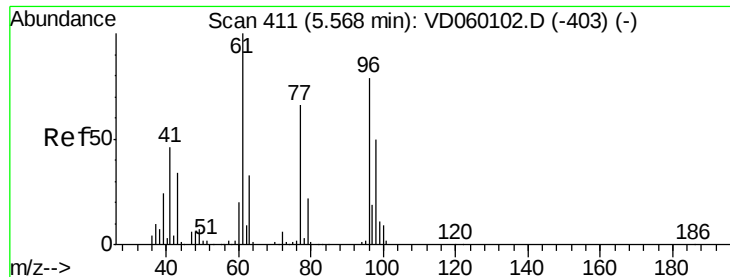
97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



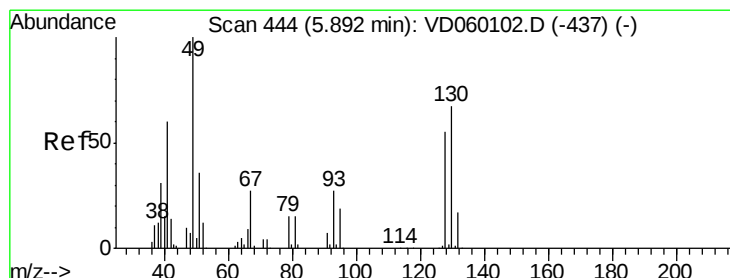
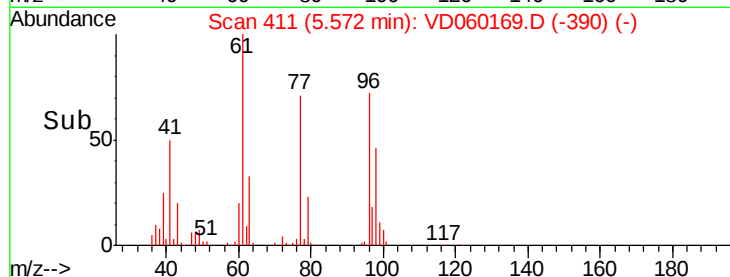
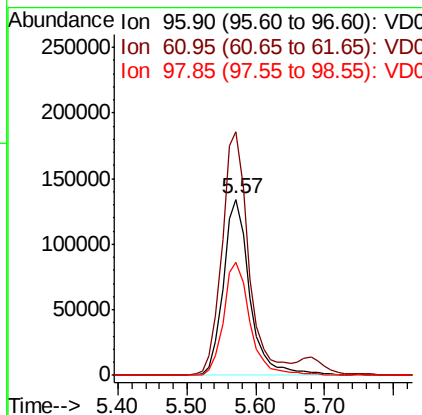
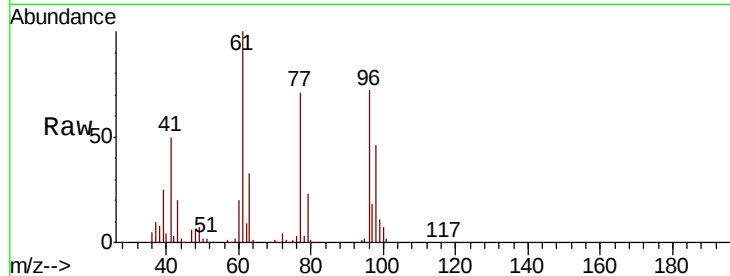


#27

cis-1,2-Dichloroethene
 Concen: 21.348 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

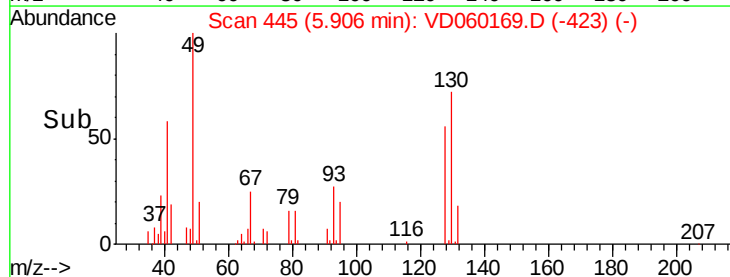
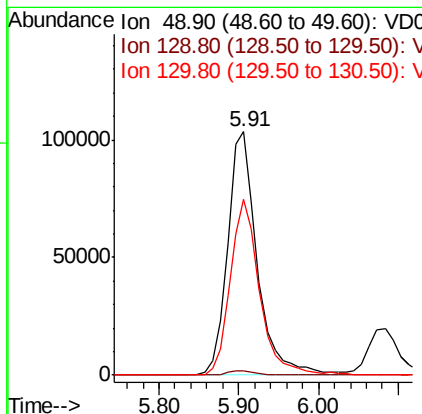
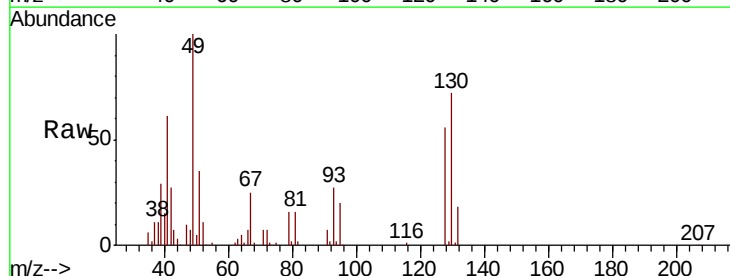
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	251.8
98	64.0	0.0	125.2

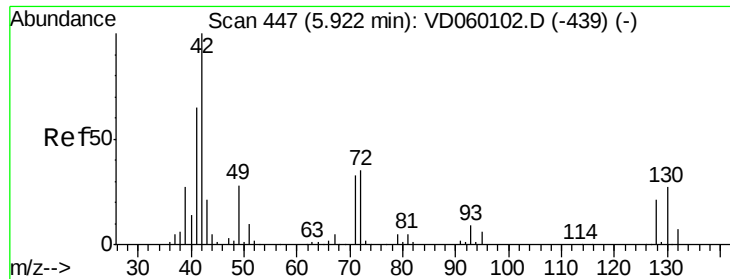


#28

Bromochloromethane
 Concen: 21.435 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.0	53.9	80.9





#29

Tetrahydrofuran

Concen: 110.730 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

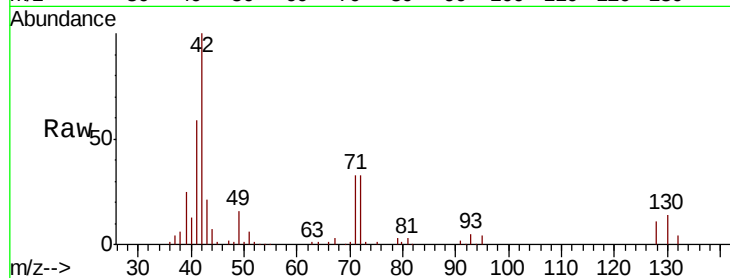
Tot Ion: 42 Resp: 331213

Ion Ratio Lower Upper

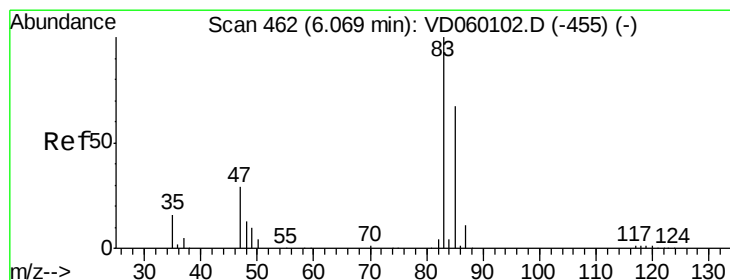
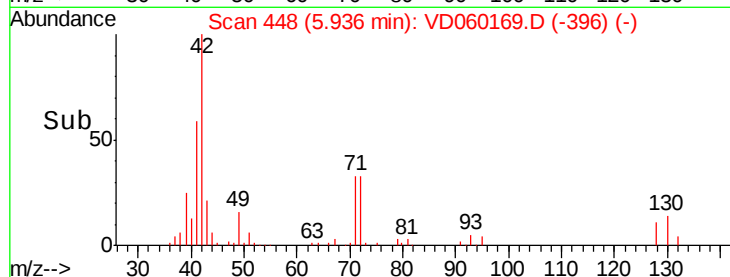
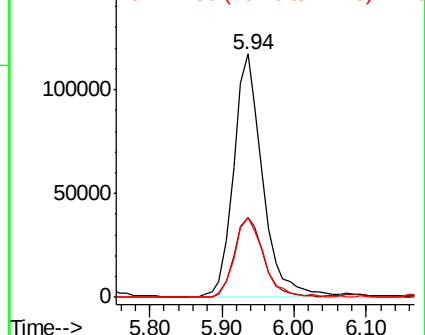
42 100

72 33.2 26.9 40.3

71 32.9 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.319 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060169.D

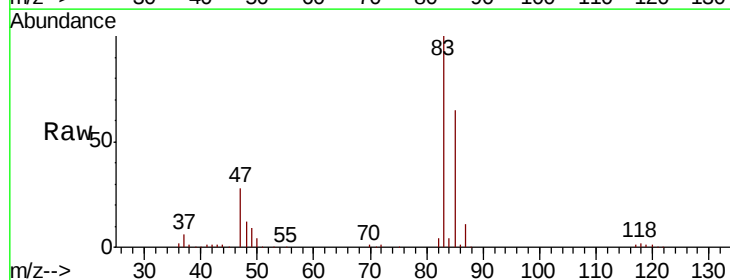
Acq: 10 Oct 2018 12:17

Tgt Ion: 83 Resp: 554440

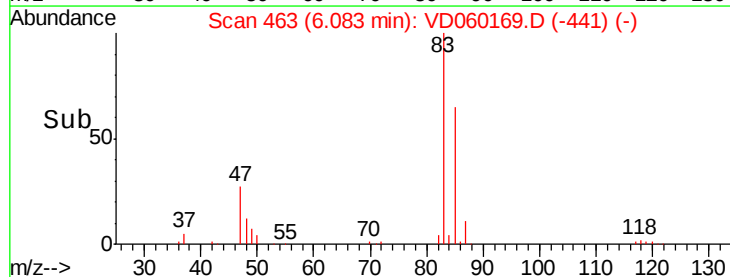
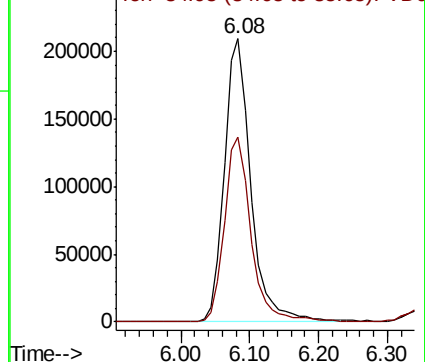
Ion Ratio Lower Upper

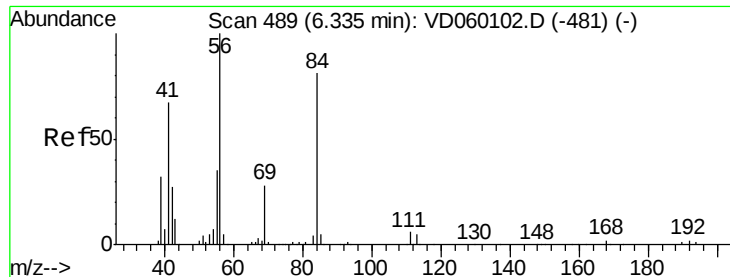
83 100

85 65.2 53.8 80.8



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

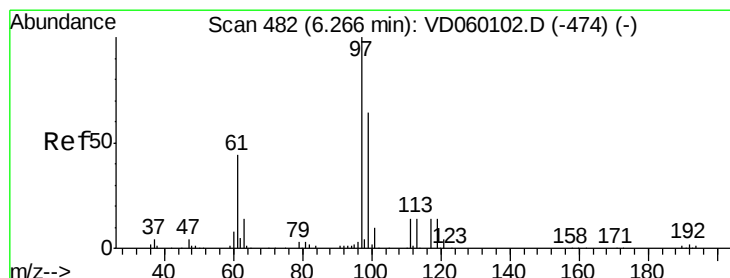
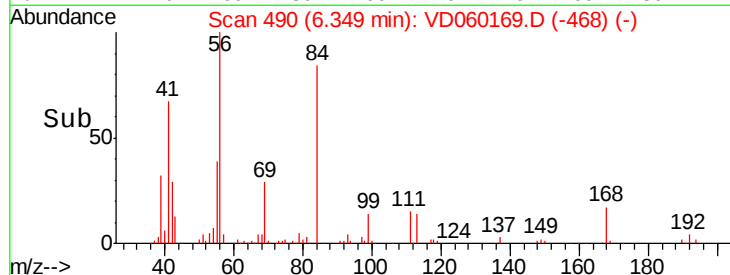
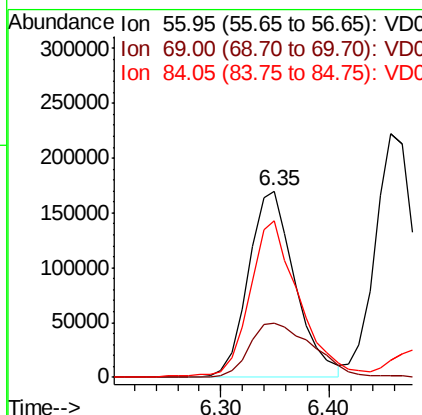
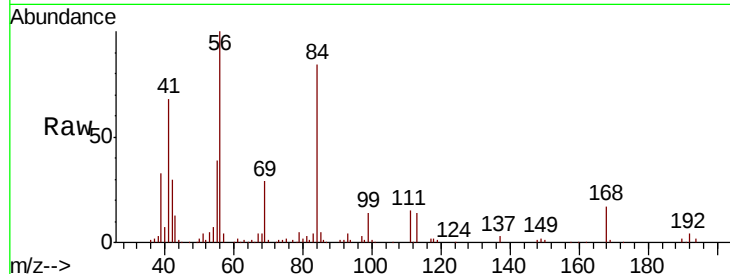




#31
Cyclohexane
Concen: 20.661 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

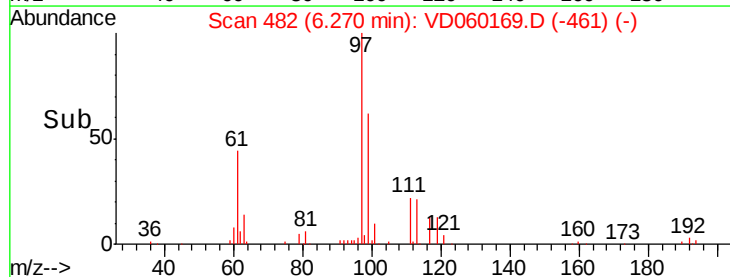
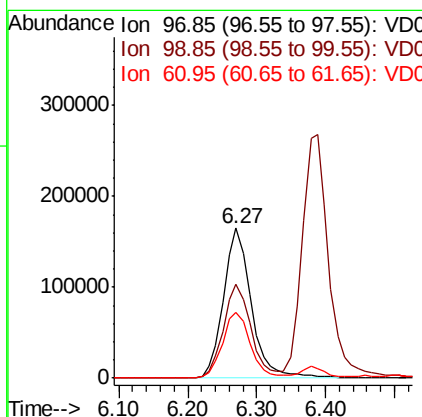
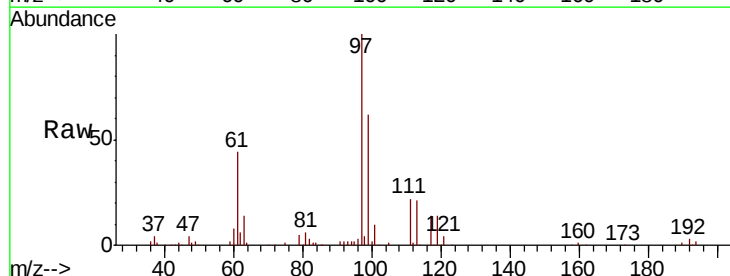
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

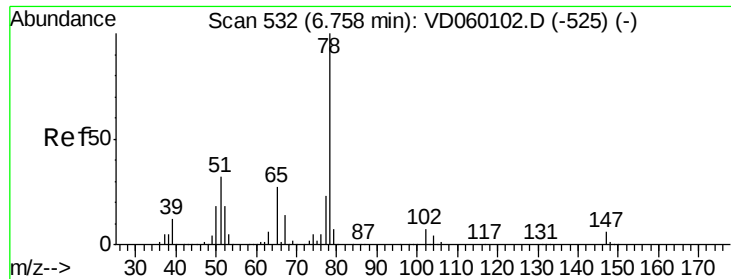
Tot Ion	56	Resp	508477
Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.8	34.2
84	84.2	64.9	97.3



#32
1,1,1-Trichloroethane
Concen: 21.708 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion	97	Resp	462528
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	43.9	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 21.708 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

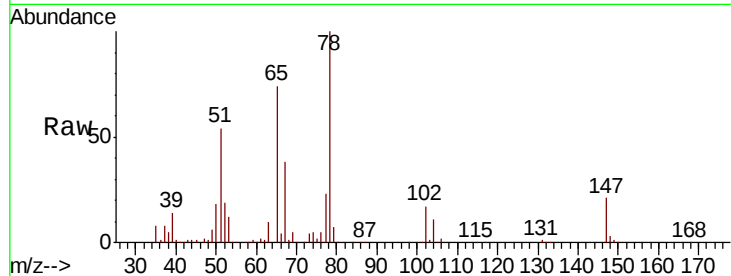
VD1010SBS01

Tot Ion: 65 Resp: 613663

Ion Ratio Lower Upper

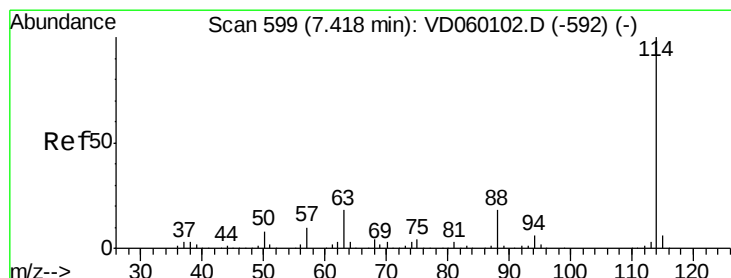
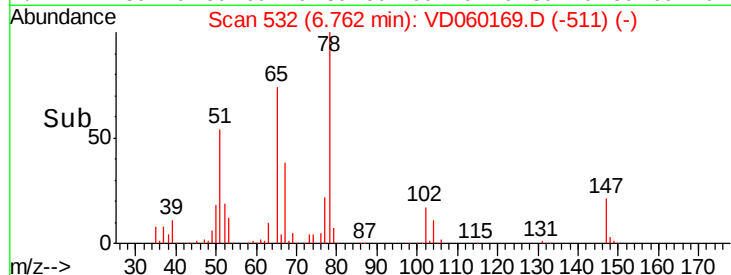
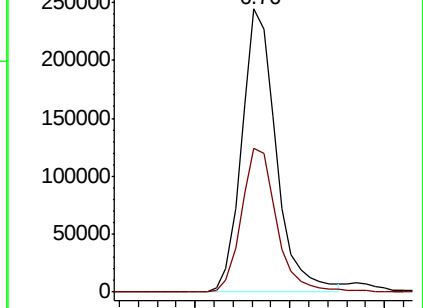
65 100

67 51.0 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

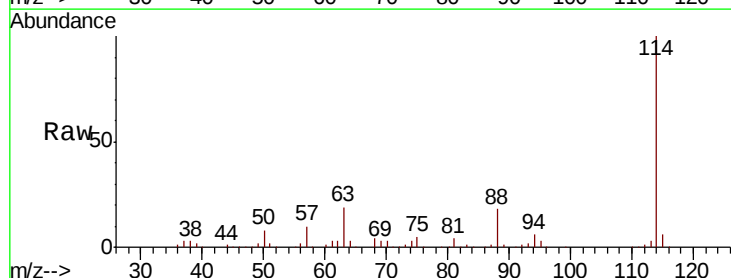
Tgt Ion: 114 Resp: 2059151

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.0

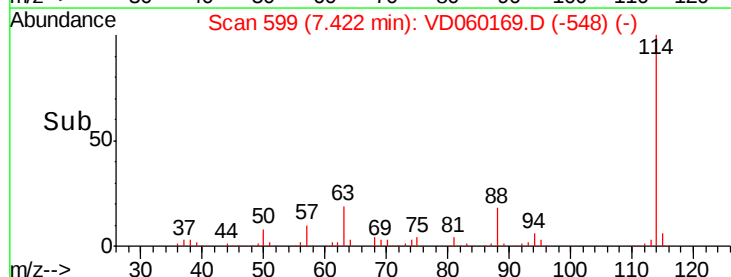
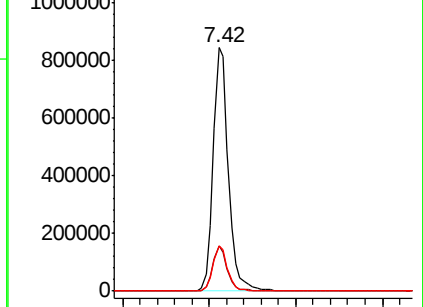
88 18.4 0.0 36.2

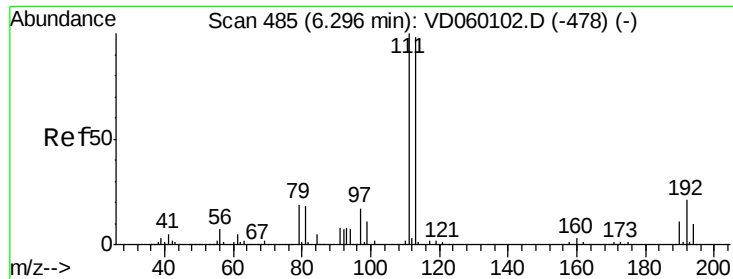


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

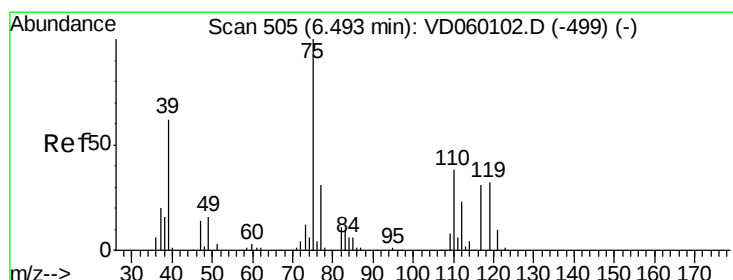
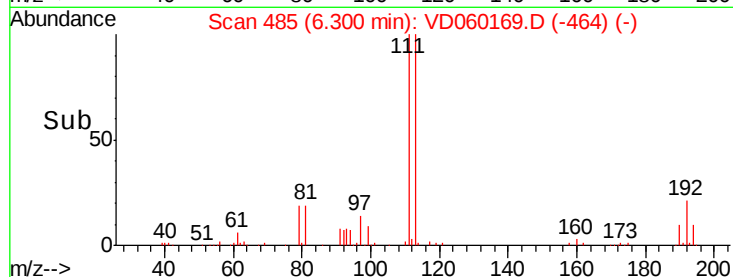
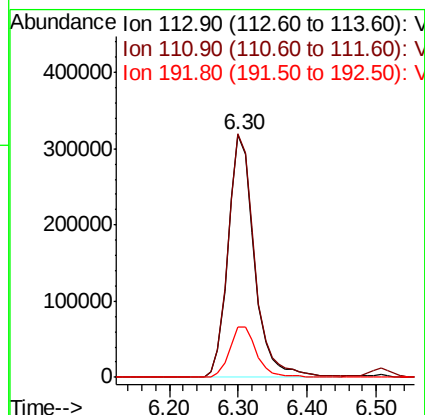
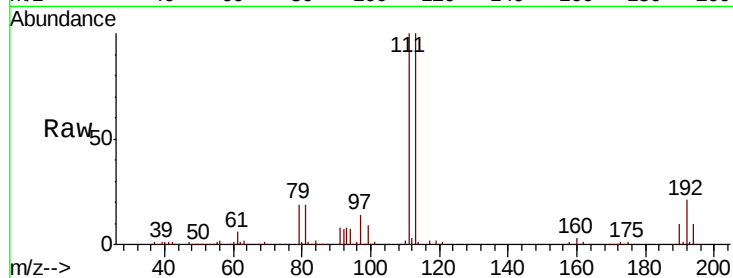




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

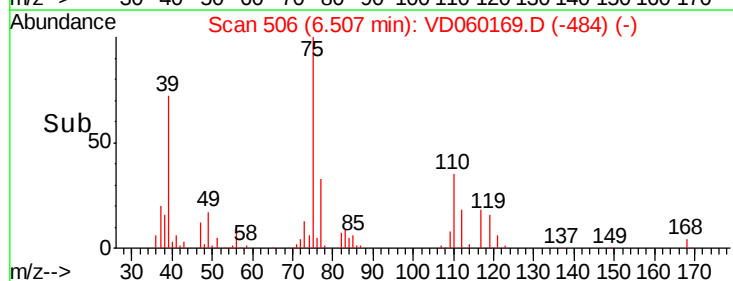
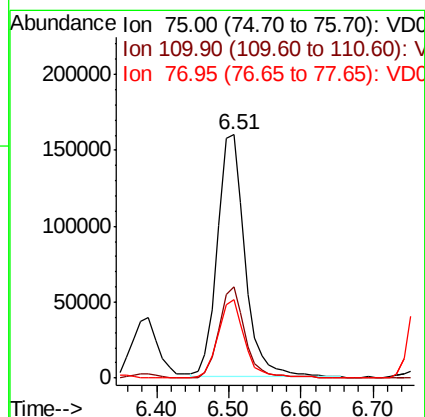
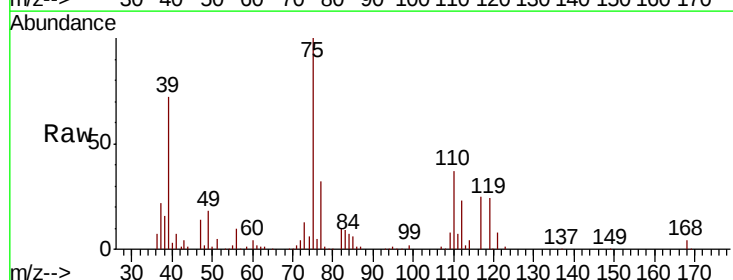
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

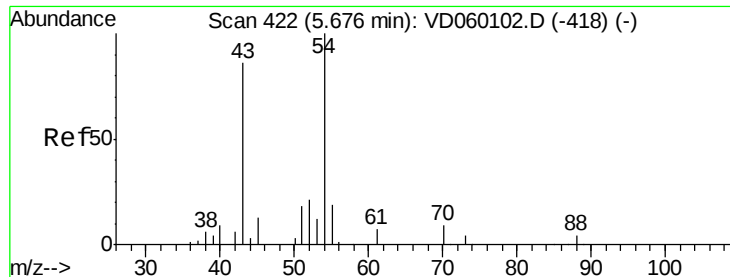
Tot Ion:113 Resp: 839029
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.5 122.3
 192 20.6 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 21.446 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion: 75 Resp: 421995
 Ion Ratio Lower Upper
 75 100
 110 37.4 19.0 57.0
 77 32.2 24.9 37.3

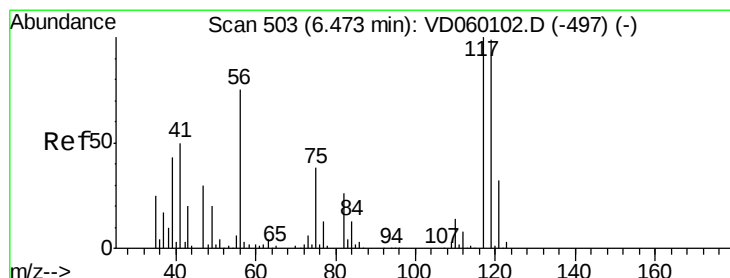
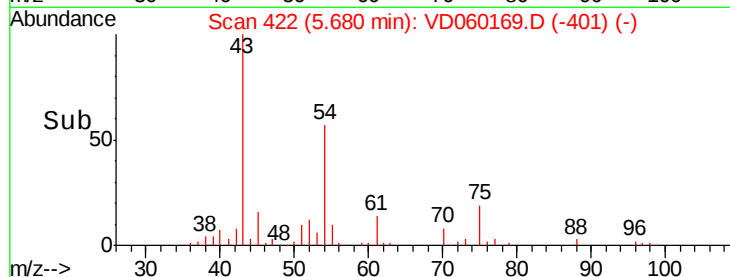
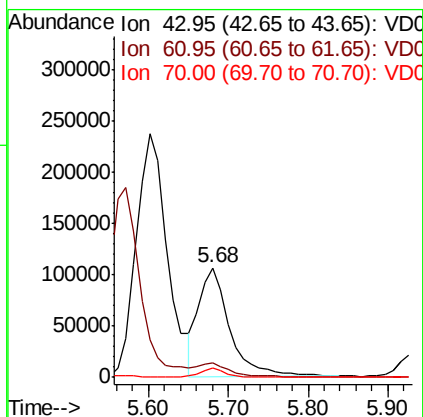
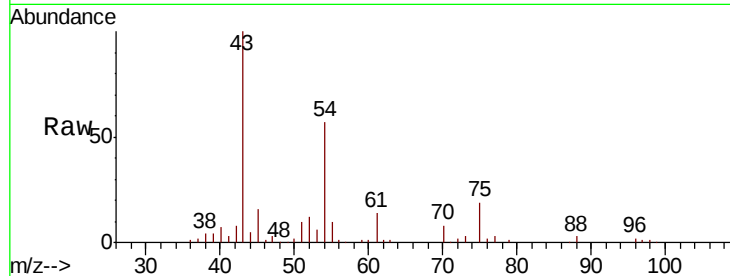




#37
Ethyl Acetate
Concen: 21.756 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

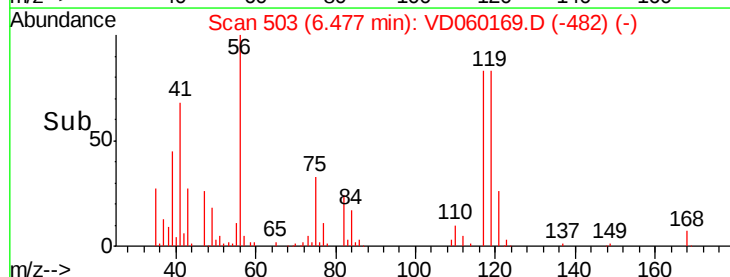
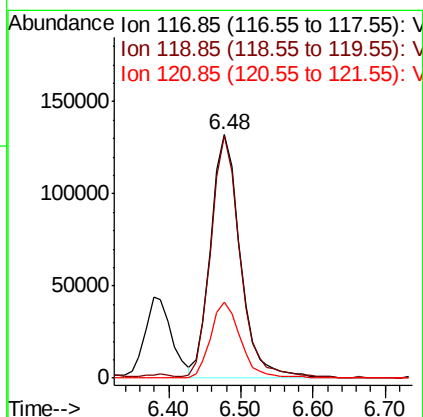
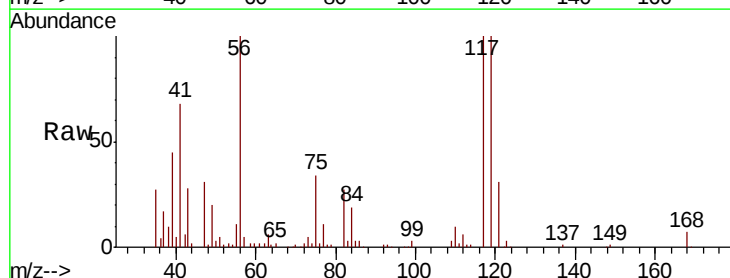
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

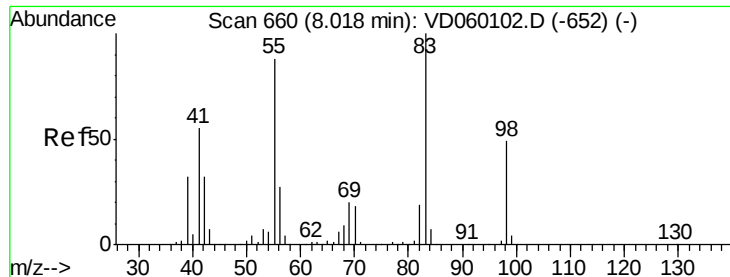
Tot Ion: 43 Resp: 284154
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 8.2 6.3 9.5



#38
Carbon Tetrachloride
Concen: 20.786 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 117 Resp: 371221
Ion Ratio Lower Upper
117 100
119 99.6 77.8 116.6
121 31.1 24.8 37.2

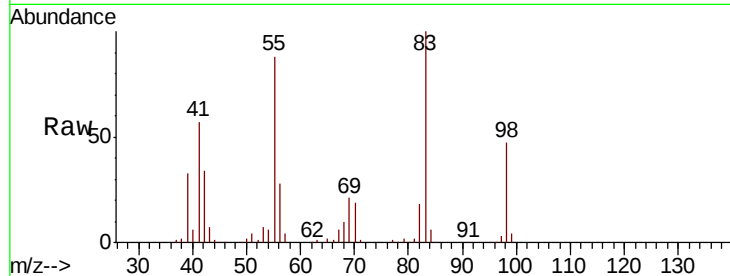




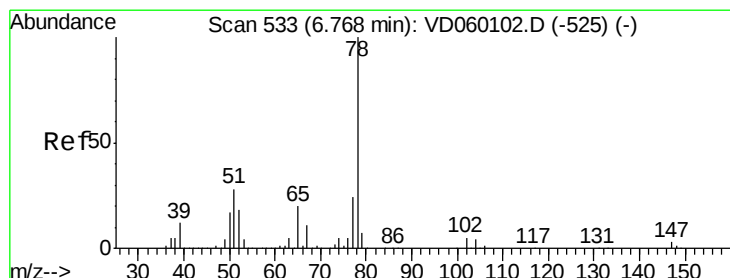
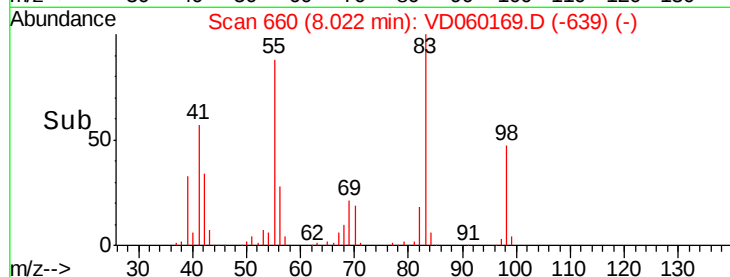
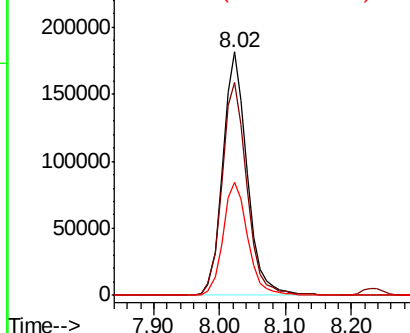
#39
Methvlcvclohexane
Concen: 20.971 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion: 83 Resp: 468845
Ion Ratio Lower Upper
83 100
55 87.6 70.5 105.7
98 46.6 39.4 59.2

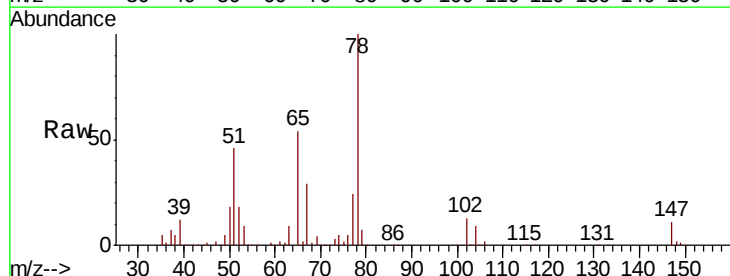


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

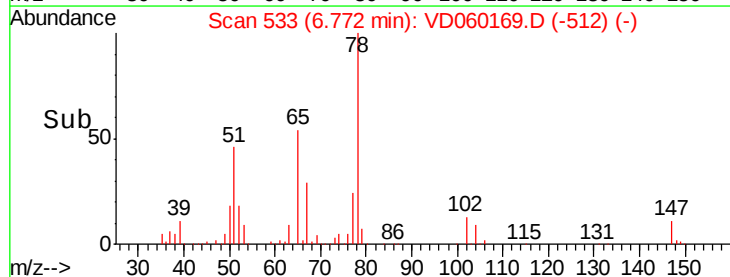
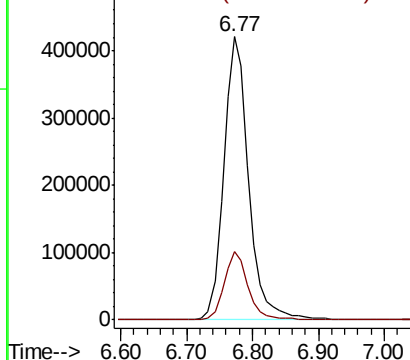


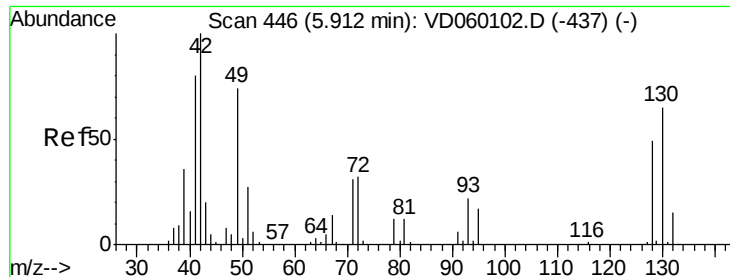
#40
Benzene
Concen: 21.425 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 78 Resp: 1102943
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

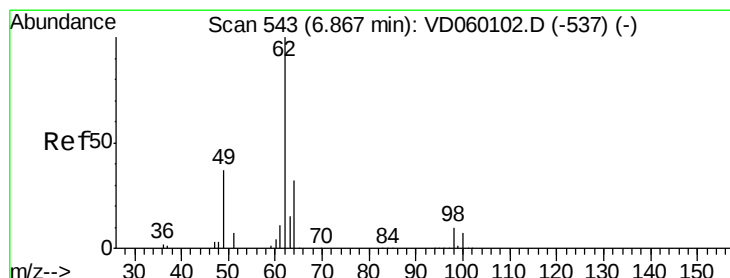
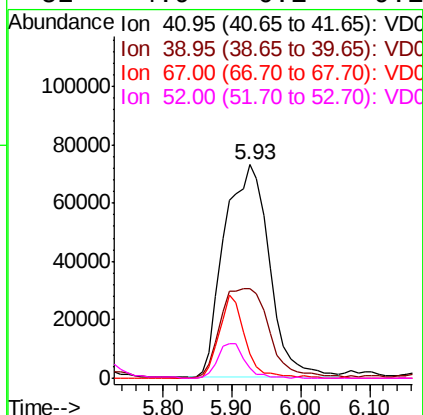
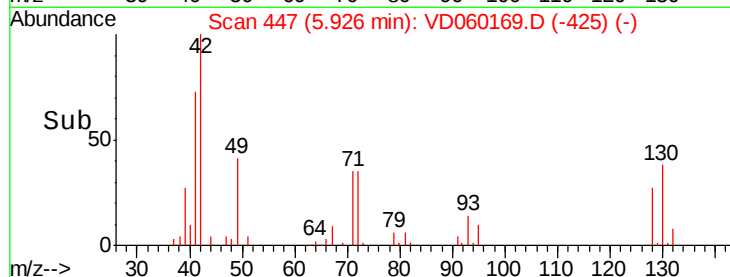
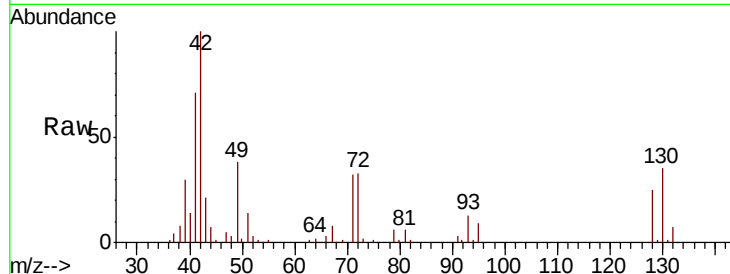




#41
Methacrylonitrile
Concen: 44.905 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

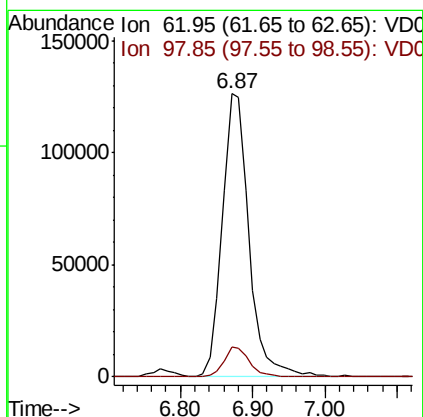
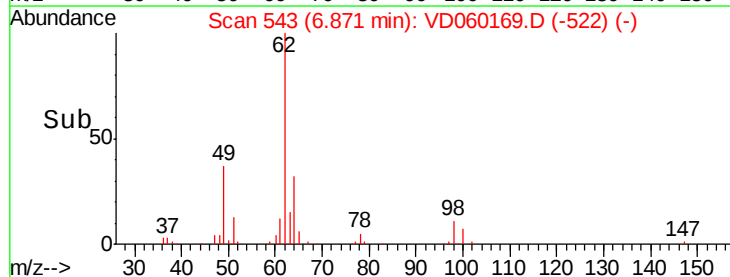
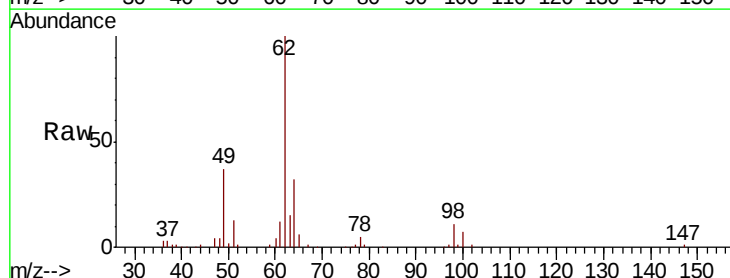
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

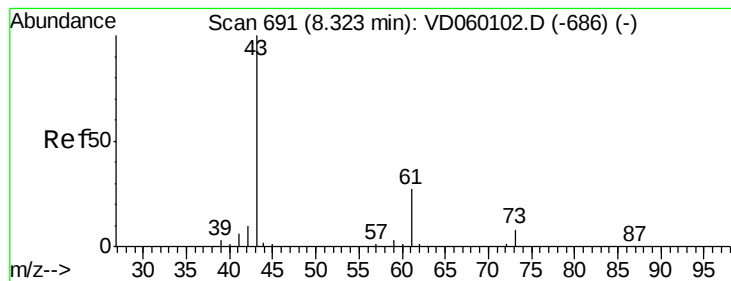
Tot Ion: 41 Resp: 331502
Ion Ratio Lower Upper
41 100
39 42.0 36.0 54.0
67 11.5 13.9 20.9#
52 4.9 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 21.806 ug/l
RT: 6.87 min Scan# 543
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 62 Resp: 321833
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.6



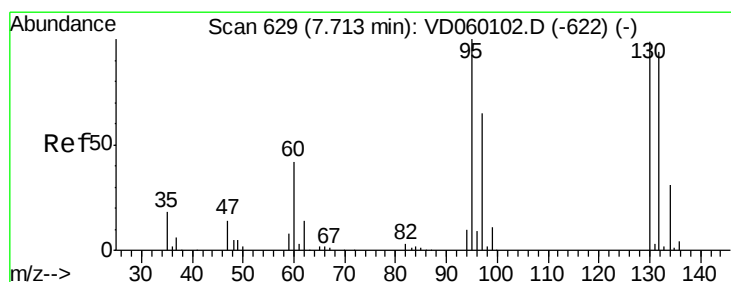
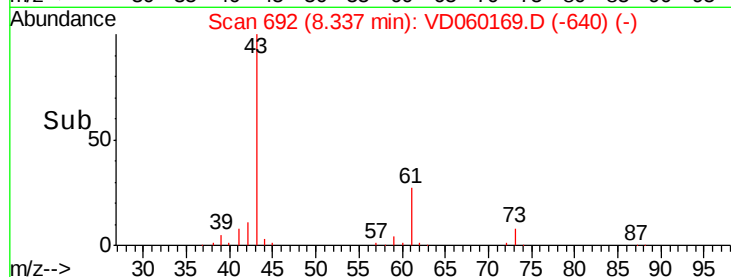
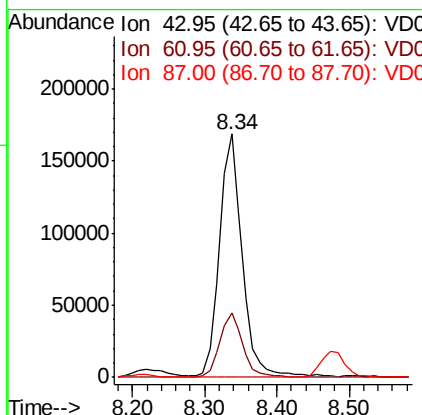
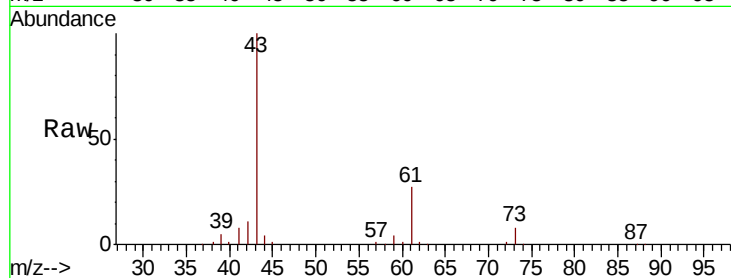


#43

Isopropyl Acetate
 Concen: 20.983 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

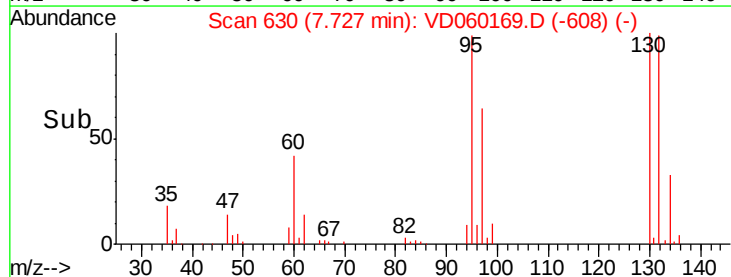
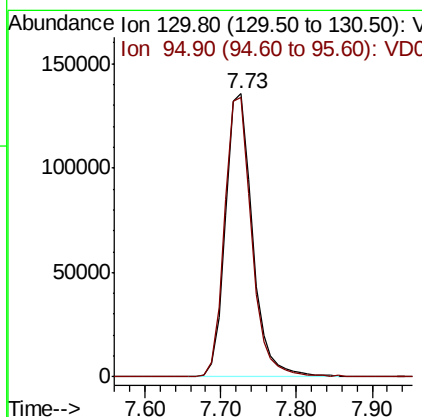
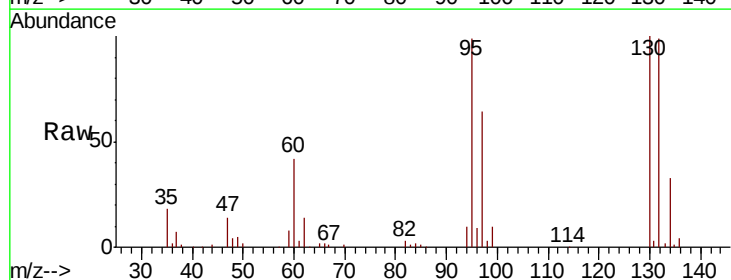
Tot Ion: 43 Resp: 360545
 Ion Ratio Lower Upper
 43 100
 61 26.5 21.4 32.2
 87 0.3 0.2 0.2#

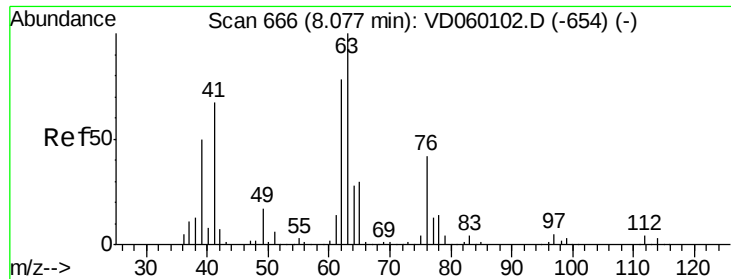


#44

Trichloroethene
 Concen: 20.937 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion: 130 Resp: 333640
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 202.2





#45

1,2-Dichloropropane

Concen: 21.755 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

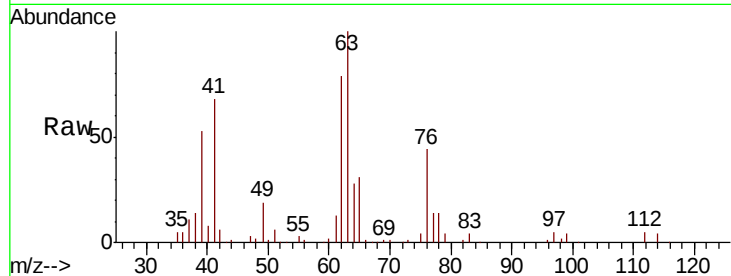
VD1010SBS01

Tot Ion: 63 Resp: 293244

Ion Ratio Lower Upper

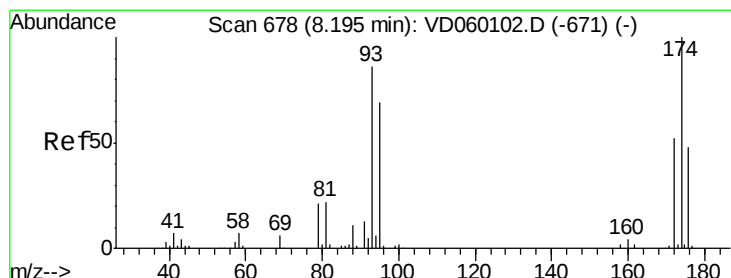
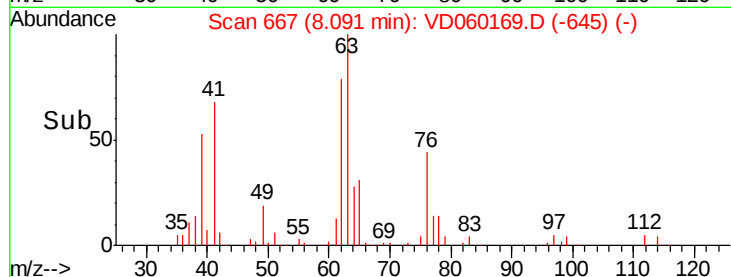
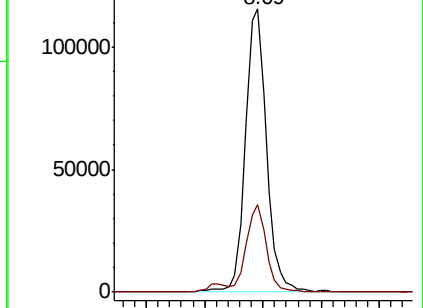
63 100

65 30.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.141 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

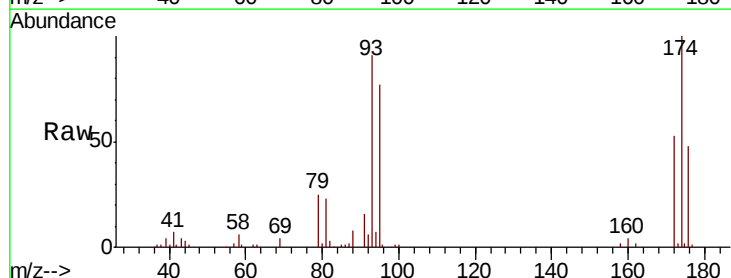
Tgt Ion: 93 Resp: 184487

Ion Ratio Lower Upper

93 100

95 83.7 63.8 95.6

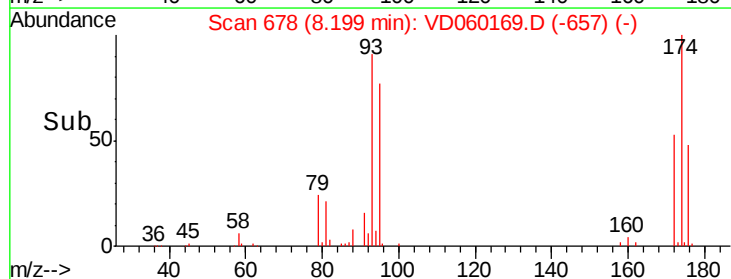
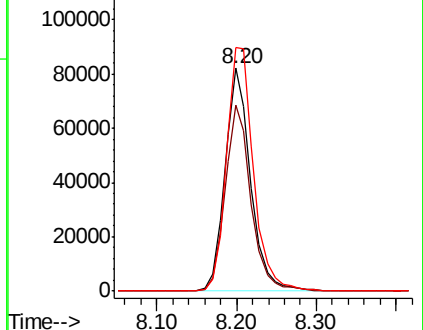
174 109.4 92.9 139.3

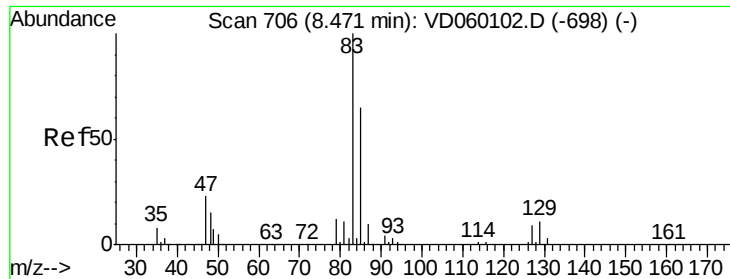


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.064 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

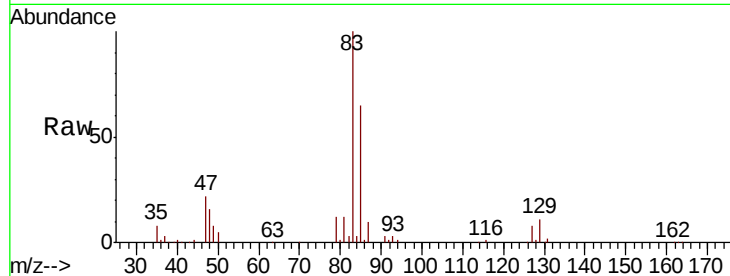
Tot Ion: 83 Resp: 410263

Ion Ratio Lower Upper

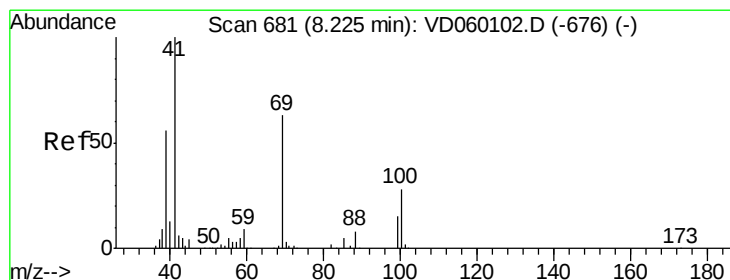
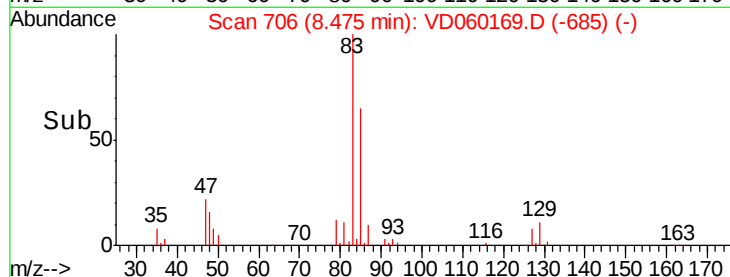
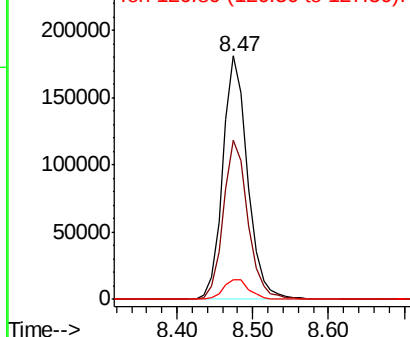
83 100

85 65.2 52.2 78.2

127 8.1 7.4 11.0



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



#48

Methyl methacrylate

Concen: 21.499 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

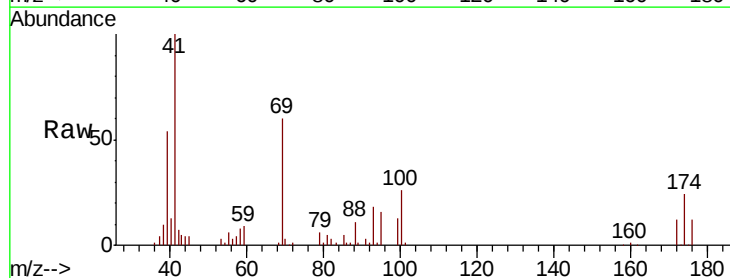
Tgt Ion: 41 Resp: 210429

Ion Ratio Lower Upper

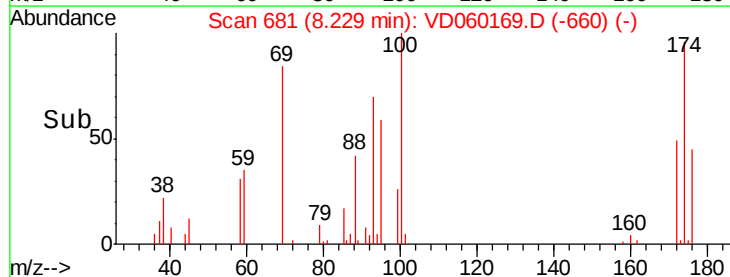
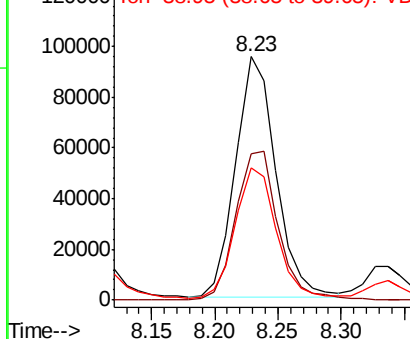
41 100

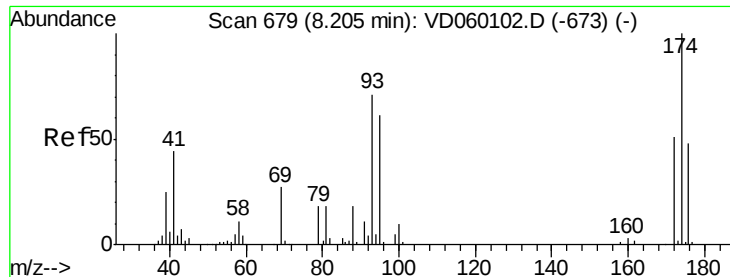
69 60.4 49.7 74.5

39 54.2 45.2 67.8



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





#49

1,4-Dioxane

Concen: 428.658 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

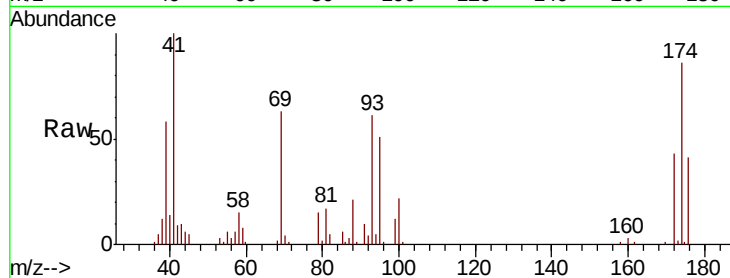
Tot Ion: 88 Resp: 41281

Ion Ratio Lower Upper

88 100

43 46.2 33.7 50.5

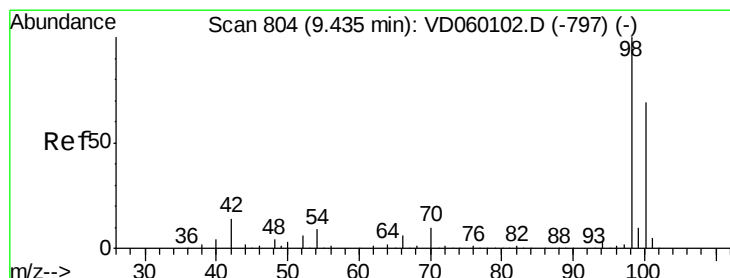
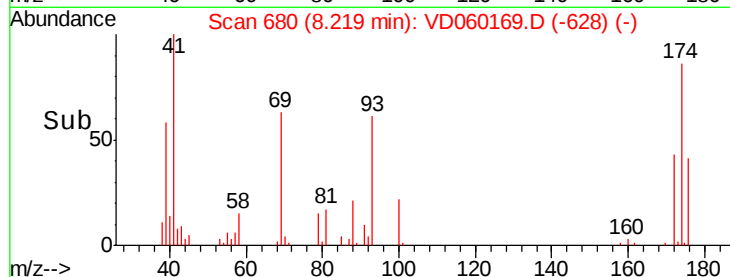
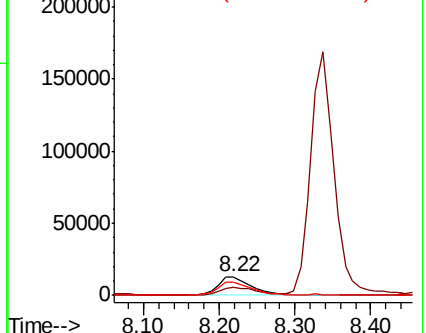
58 70.5 49.1 73.7



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 428.658 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.00 min

Lab File: VD060169.D

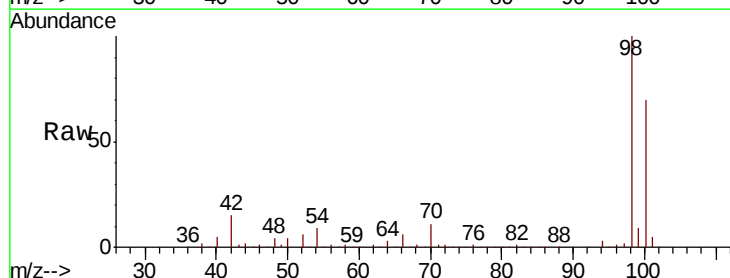
Acq: 10 Oct 2018 12:17

Tgt Ion: 98 Resp: 2278603

Ion Ratio Lower Upper

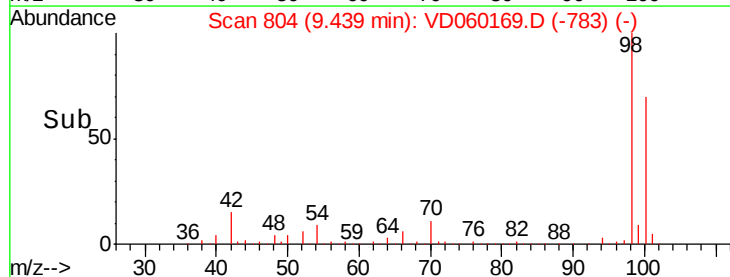
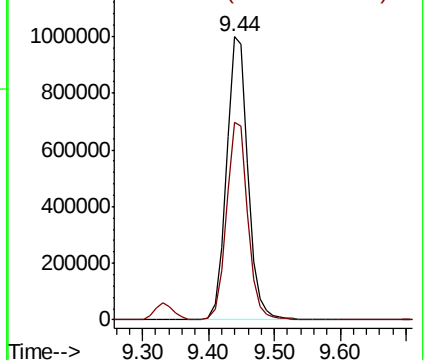
98 100

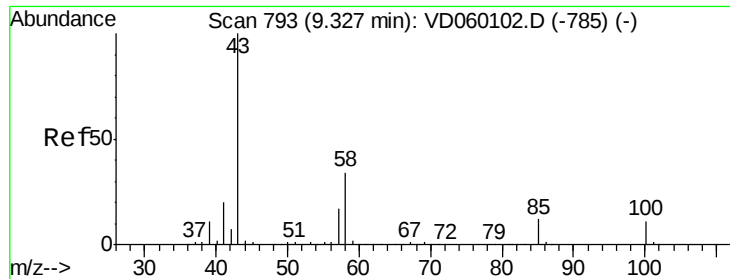
100 69.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 113.452 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

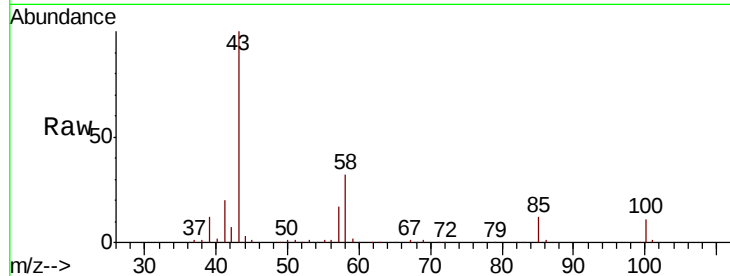
VD1010SBS01

Tot Ion: 43 Resp: 1229566

Ion Ratio Lower Upper

43 100

58 32.0 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

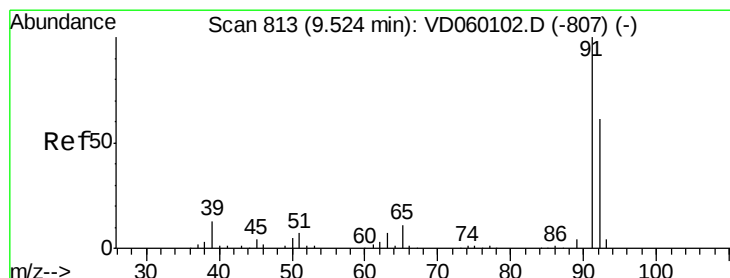
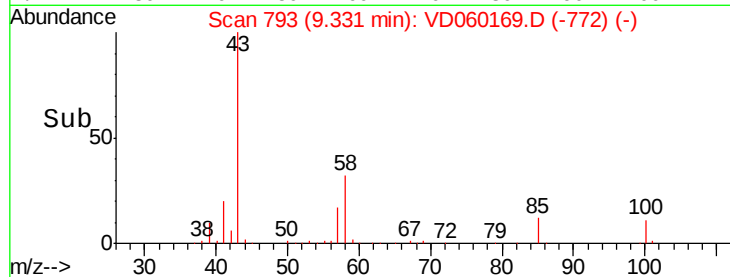
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.356 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060169.D

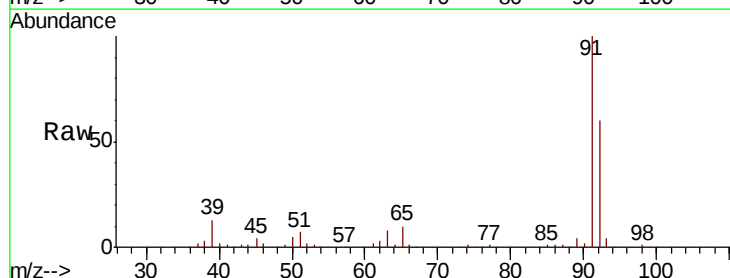
Acq: 10 Oct 2018 12:17

Tgt Ion: 92 Resp: 708036

Ion Ratio Lower Upper

92 100

91 165.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

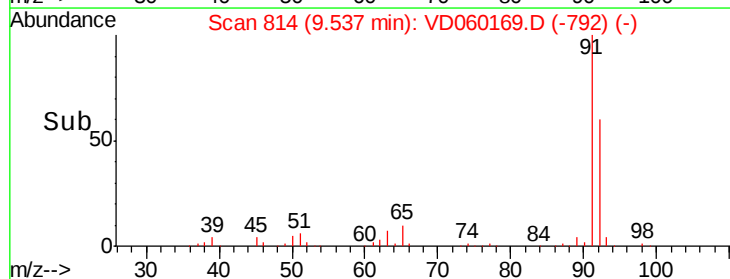
300000

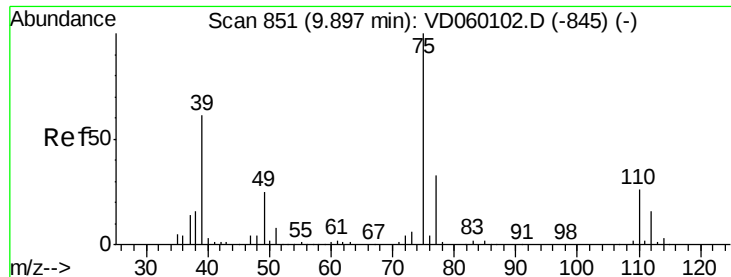
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.589 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

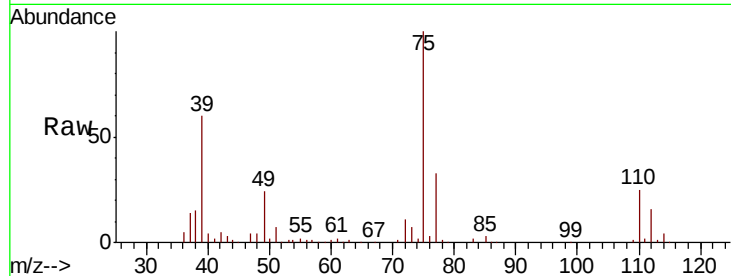
VD1010SBS01

Tot Ion: 75 Resp: 380051

Ion Ratio Lower Upper

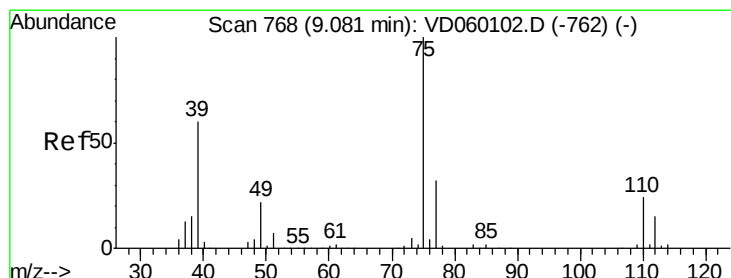
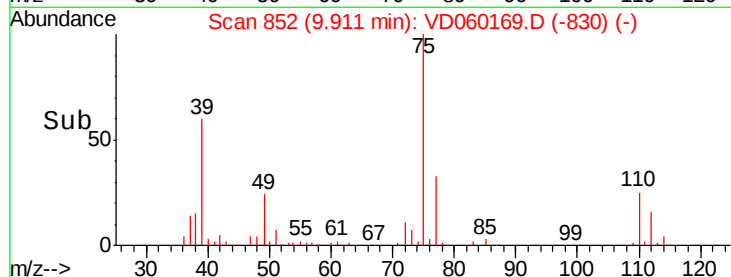
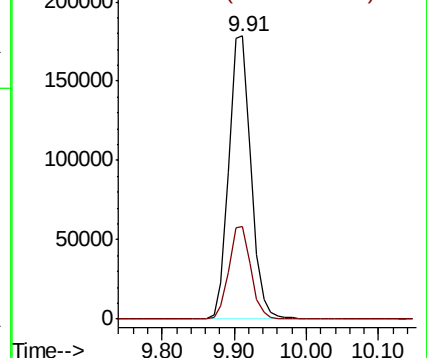
75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.940 ug/l

RT: 9.08 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

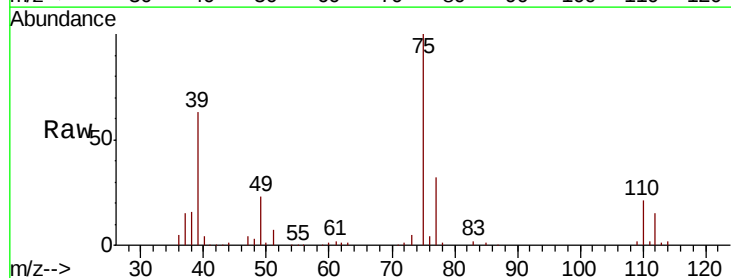
Tgt Ion: 75 Resp: 455826

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

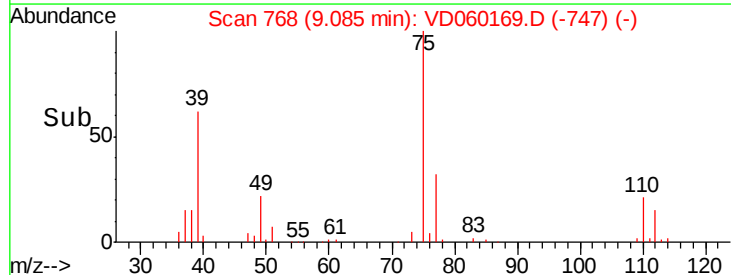
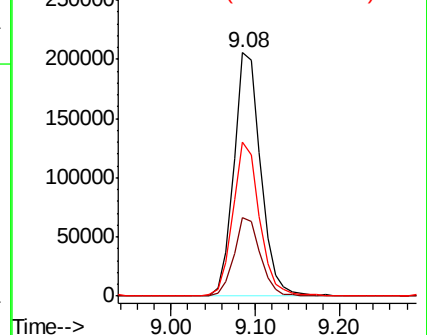
39 63.1 48.2 72.4

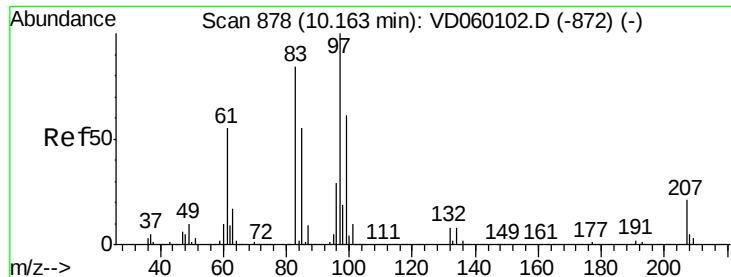


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

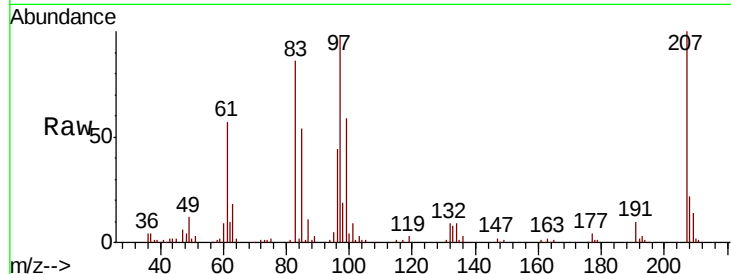




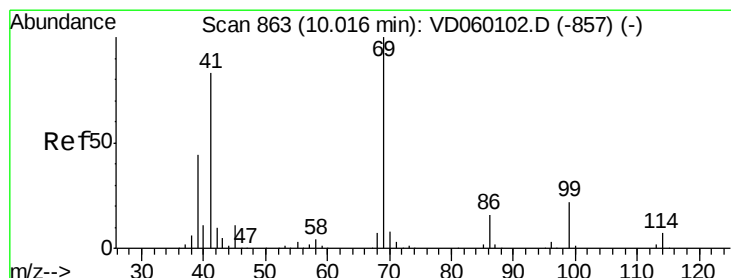
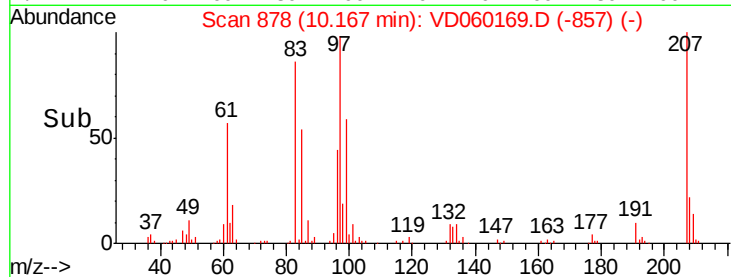
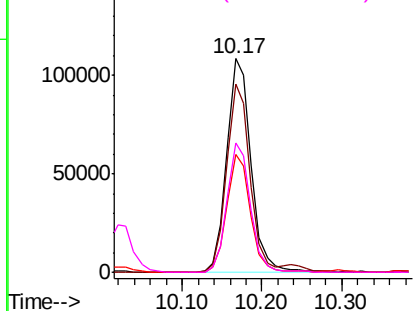
#55
 1,1,2-Trichloroethane
 Concen: 21.549 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion:	97	Resp:	233556
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.0	100.6
85	55.2	43.9	65.9
99	60.6	49.1	73.7

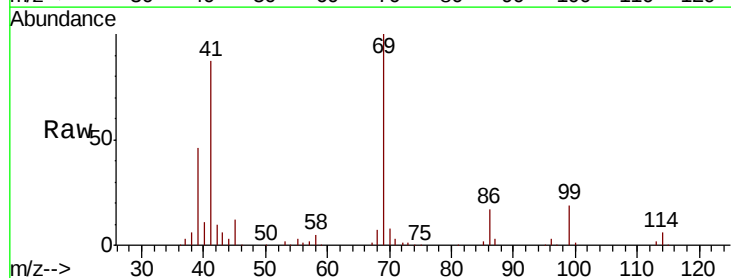


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

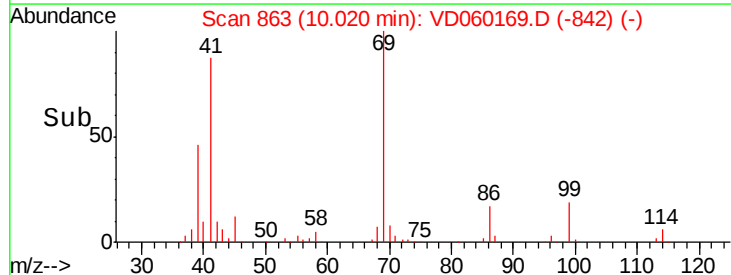
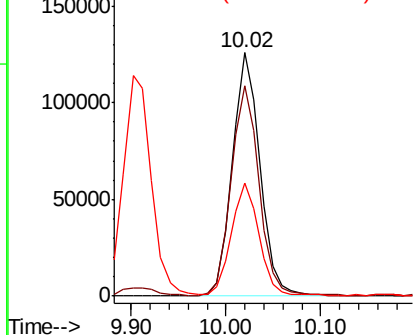


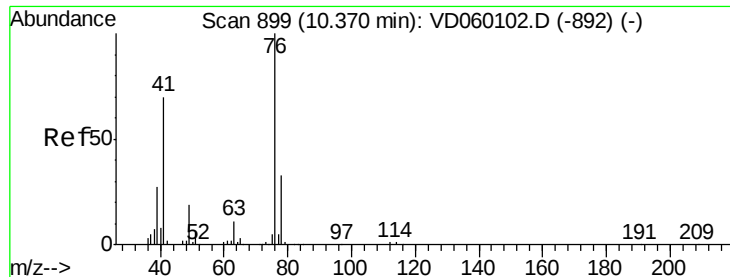
#56
 Ethyl methacrylate
 Concen: 21.266 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion:	69	Resp:	254434
Ion	Ratio	Lower	Upper
69	100		
41	86.5	66.6	100.0
39	46.5	36.0	54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

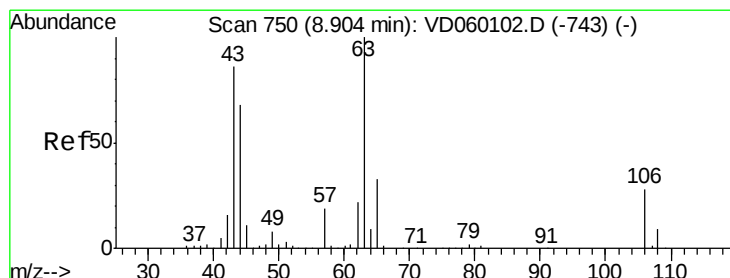
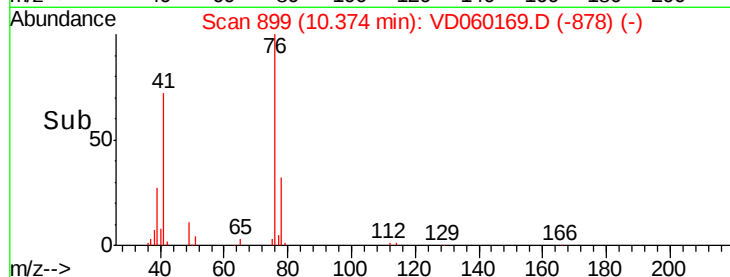
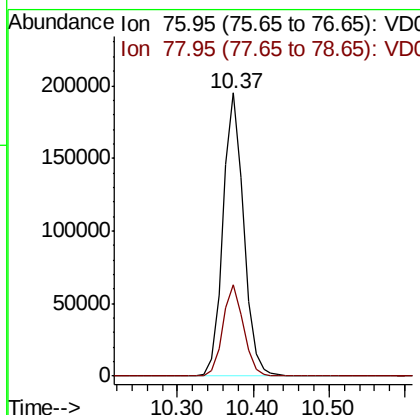
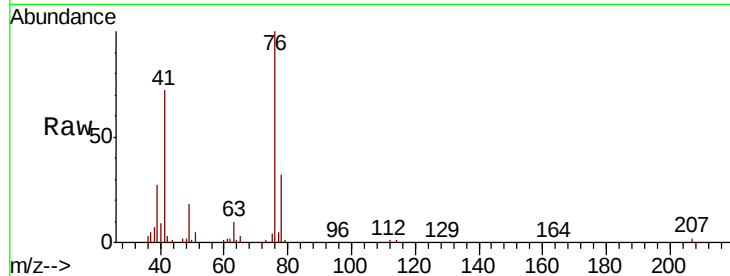




#57
 1,3-Dichloropropane
 Concen: 22.269 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

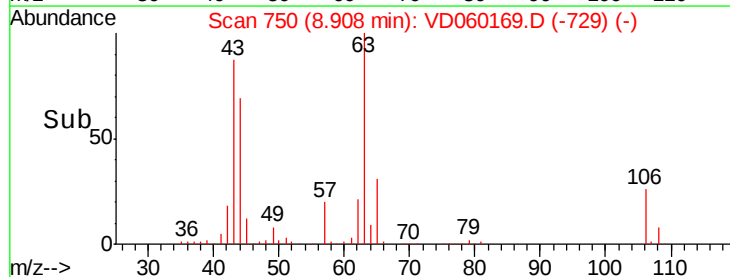
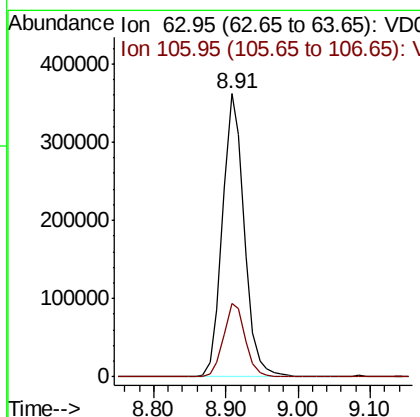
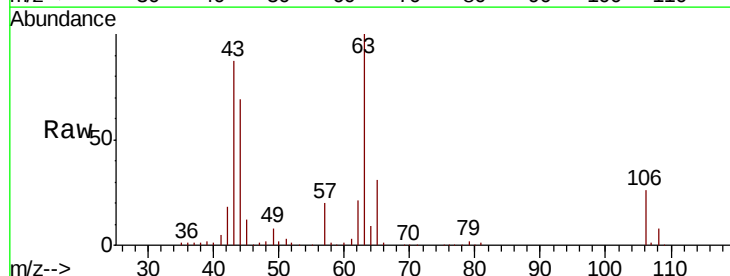
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

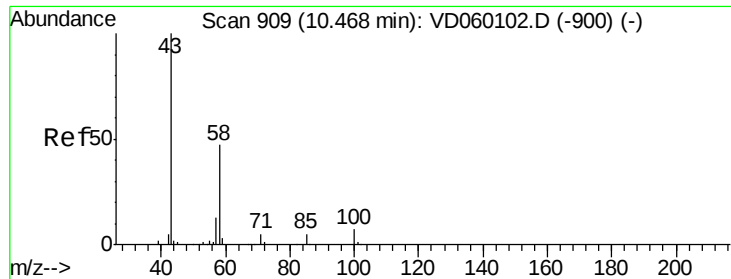
Tot Ion: 76 Resp: 368112
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.787 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion: 63 Resp: 755974
 Ion Ratio Lower Upper
 63 100
 106 25.8 22.6 34.0

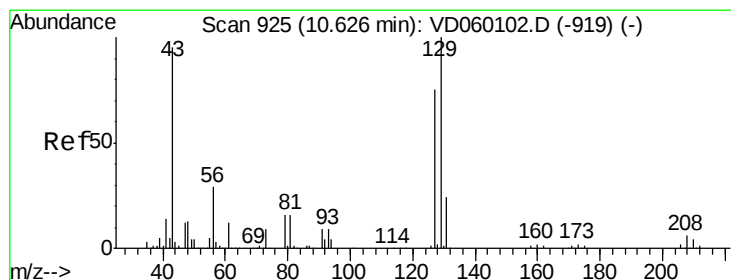
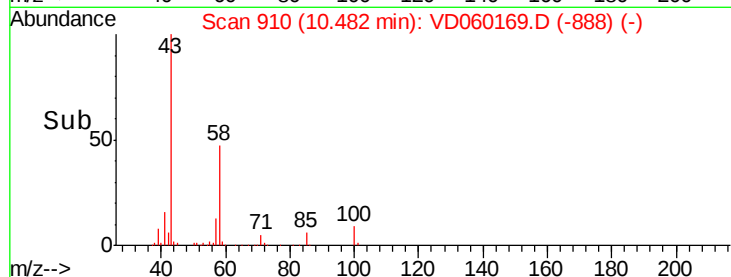
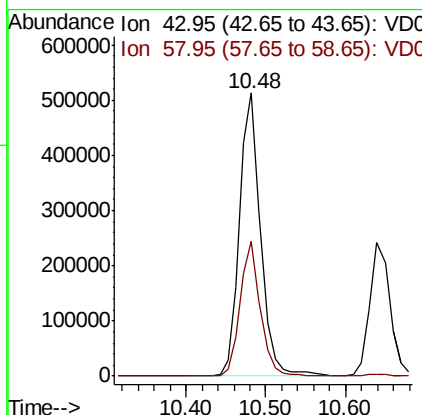
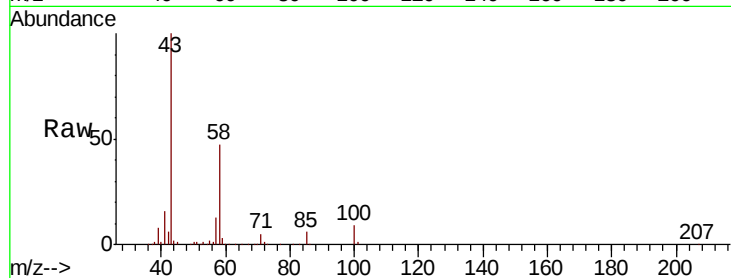




#59
2-Hexanone
Concen: 121.466 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

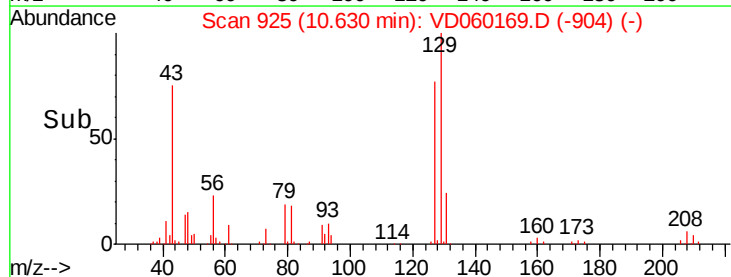
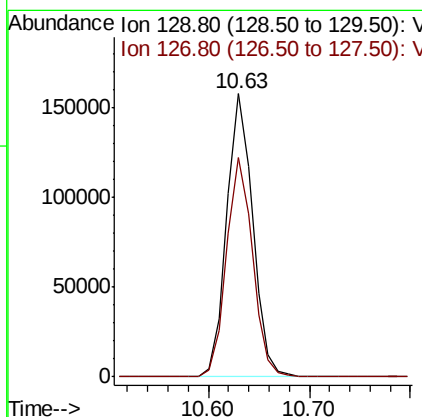
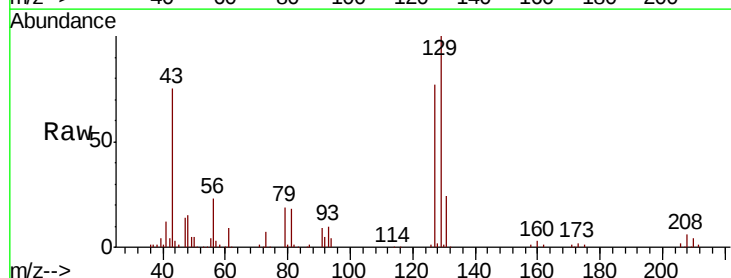
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

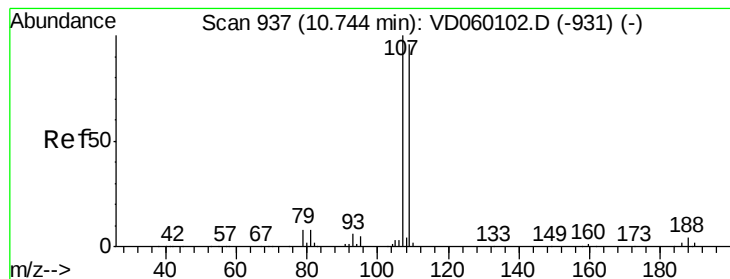
Tot Ion: 43 Resp: 946615
Ion Ratio Lower Upper
43 100
58 47.5 23.3 69.9



#60
Dibromochloromethane
Concen: 21.323 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 129 Resp: 283552
Ion Ratio Lower Upper
129 100
127 77.4 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.587 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

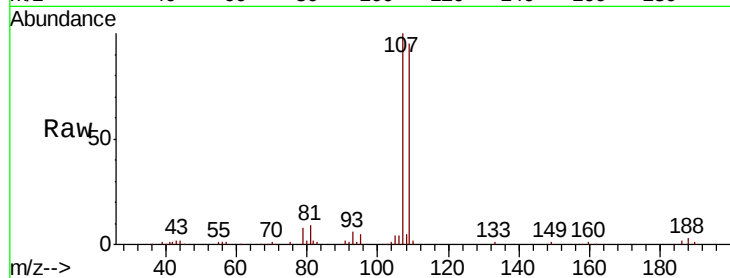
VD1010SBS01

Tot Ion: 107 Resp: 248594

Ion Ratio Lower Upper

107 100

109 94.6 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

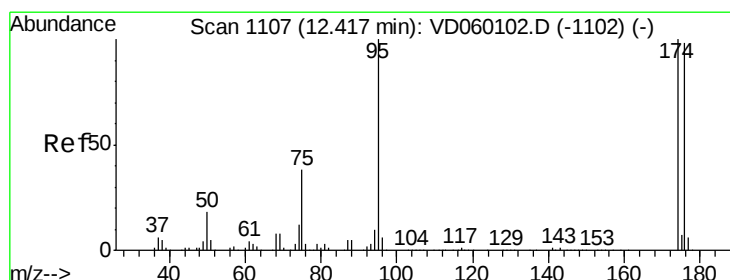
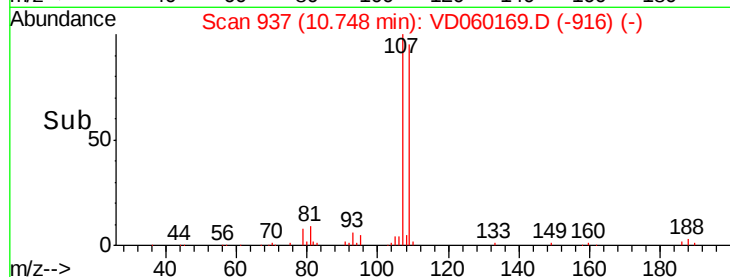
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.587 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

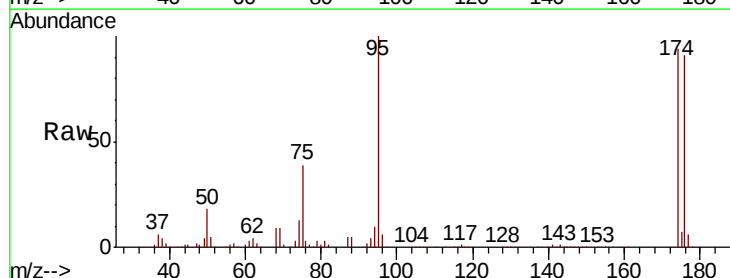
Tgt Ion: 95 Resp: 878163

Ion Ratio Lower Upper

95 100

174 93.8 0.0 200.2

176 91.2 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

800000

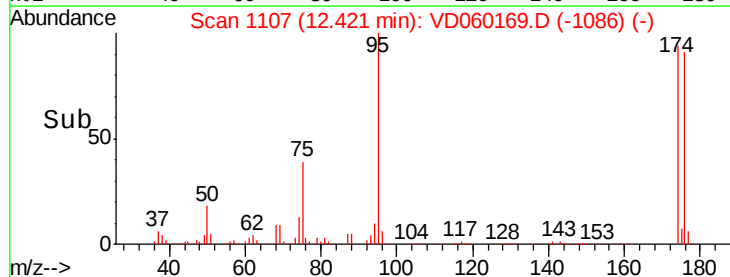
600000

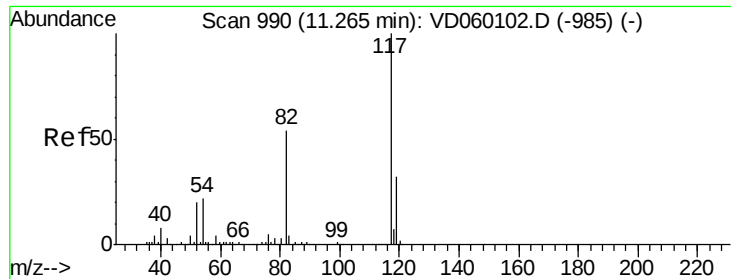
400000

200000

0

Time-->

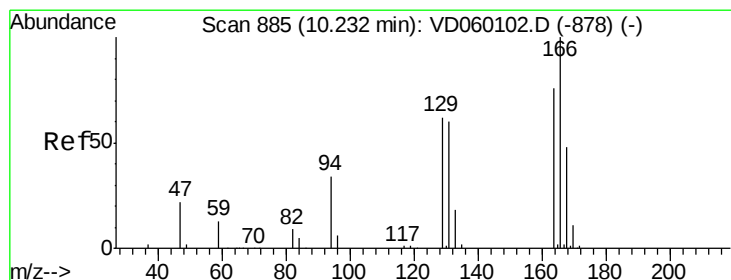
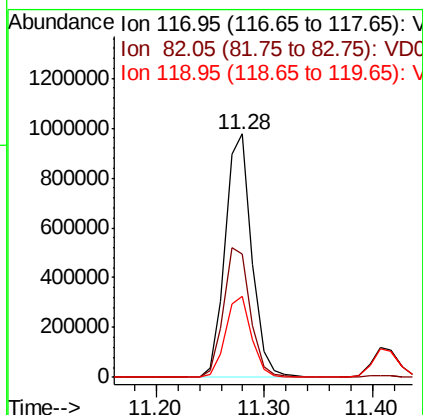
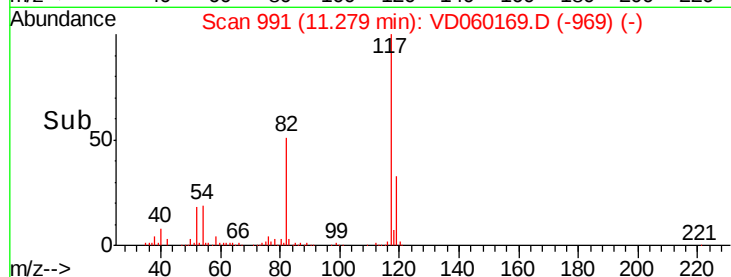
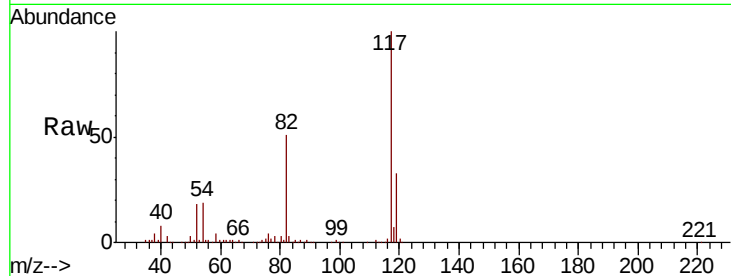




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

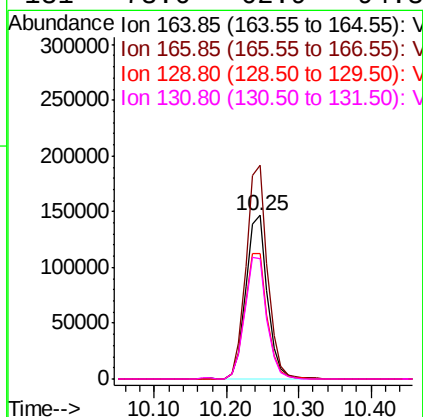
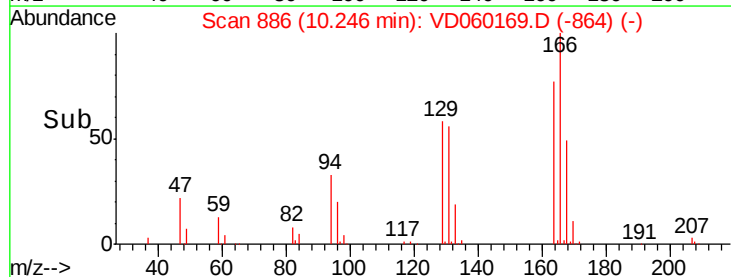
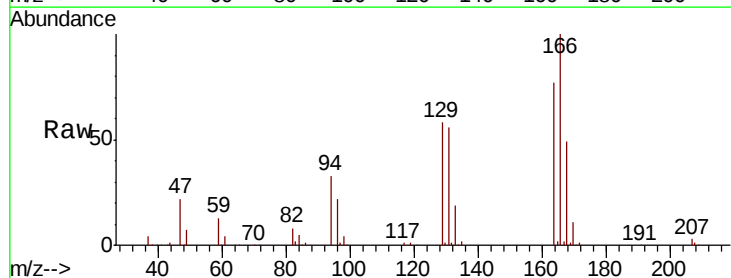
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

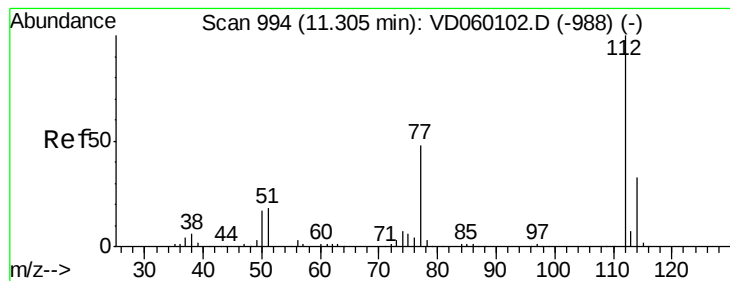
Tot Ion:117 Resp: 1670943
Ion Ratio Lower Upper
117 100
82 50.6 43.4 65.2
119 33.5 26.0 39.0



#64
Tetrachloroethene
Concen: 21.071 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:164 Resp: 308371
Ion Ratio Lower Upper
164 100
166 130.4 105.4 158.0
129 76.3 65.7 98.5
131 73.6 62.9 94.3





#65

Chlorobenzene

Concen: 21.082 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

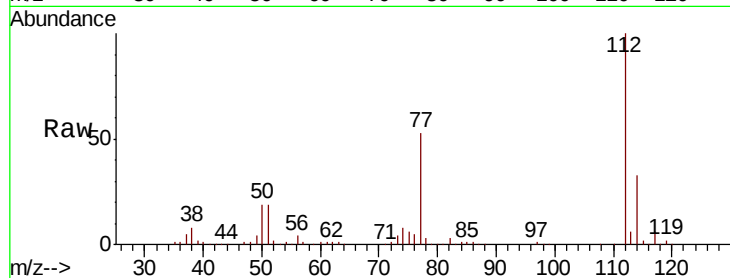
VD1010SBS01

Tot Ion:112 Resp: 762073

Ion Ratio Lower Upper

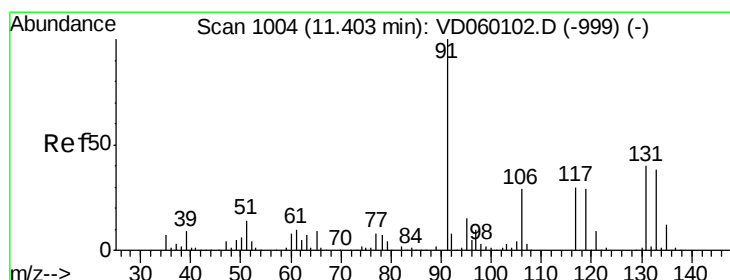
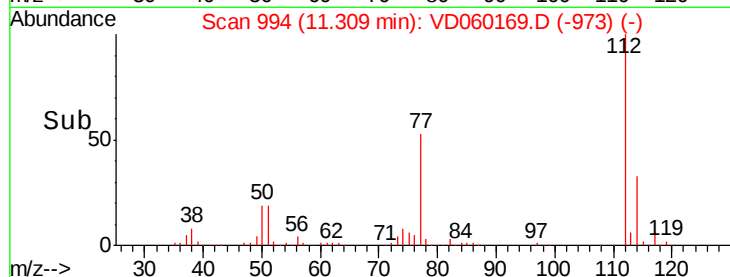
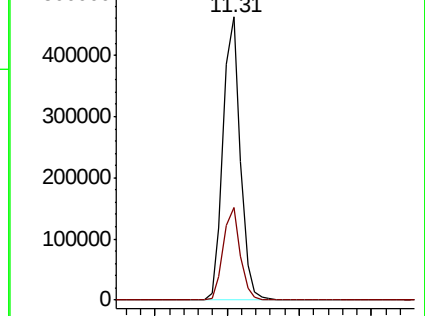
112 100

114 32.5 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.404 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

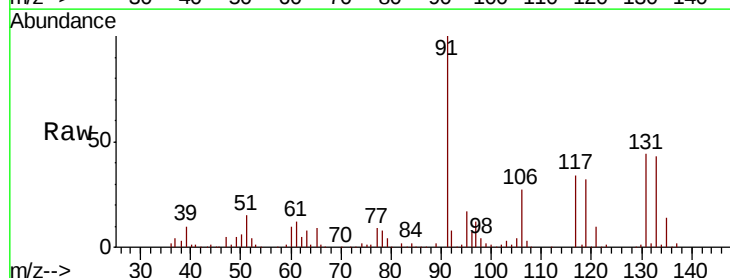
Tgt Ion:131 Resp: 270169

Ion Ratio Lower Upper

131 100

133 97.7 47.4 142.3

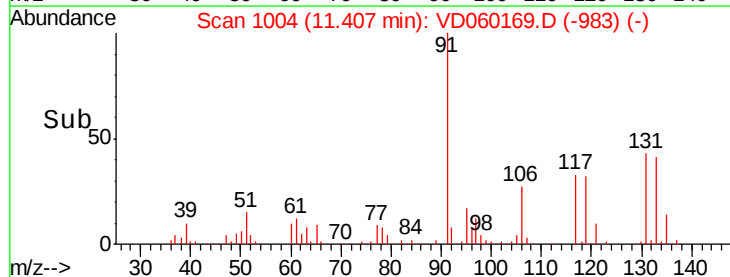
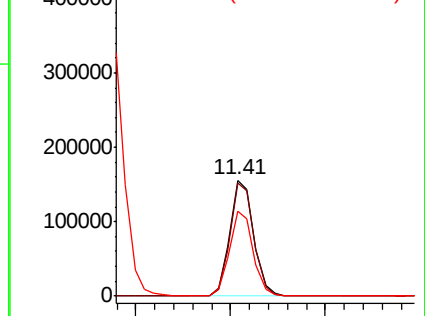
119 73.9 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

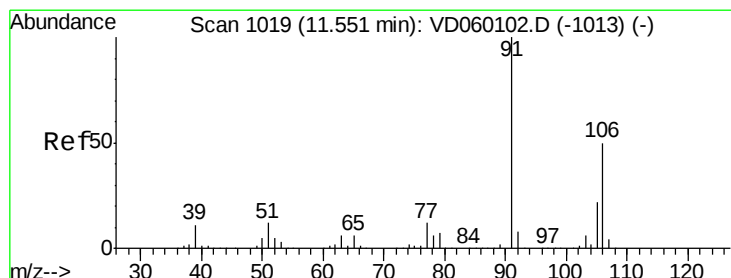
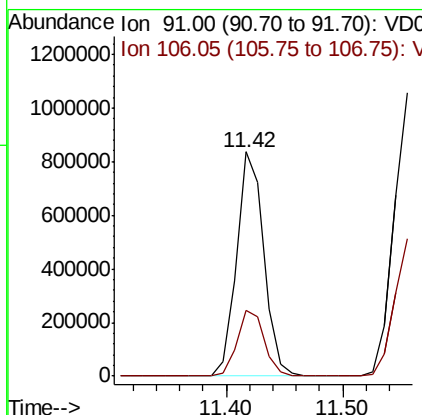
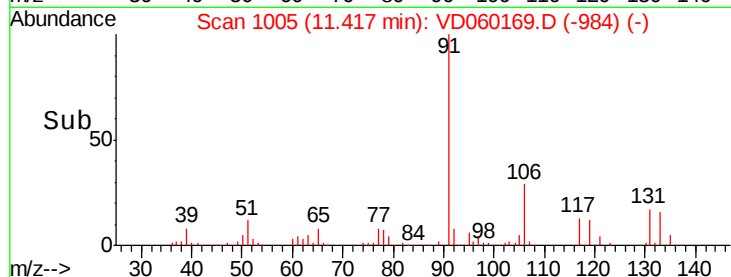
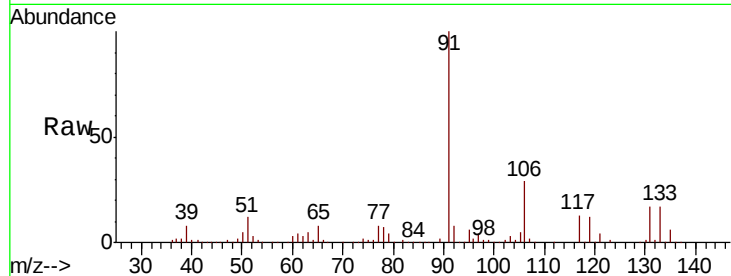




#67
Ethyl Benzene
Concen: 23.033 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

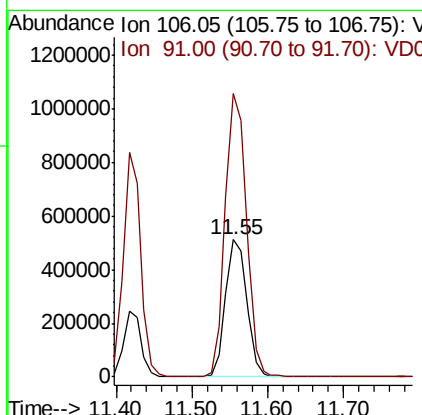
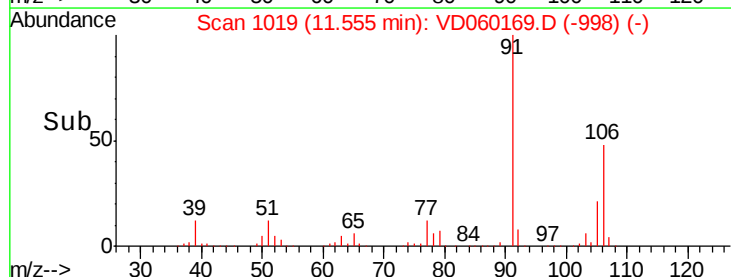
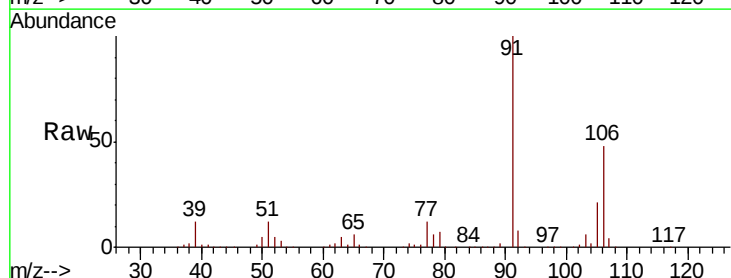
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

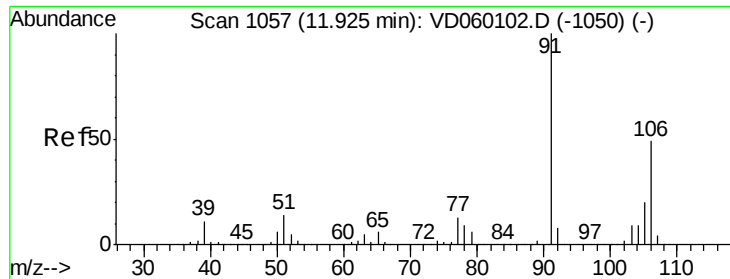
Tot Ion: 91 Resp: 1349016
Ion Ratio Lower Upper
91 100
106 29.2 24.4 36.6



#68
m/p-Xylenes
Concen: 45.680 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 106 Resp: 999617
Ion Ratio Lower Upper
106 100
91 206.8 160.0 240.0

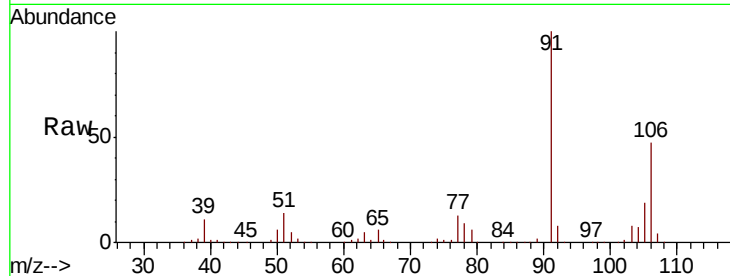




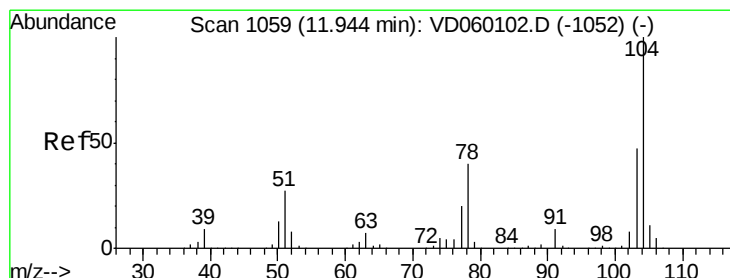
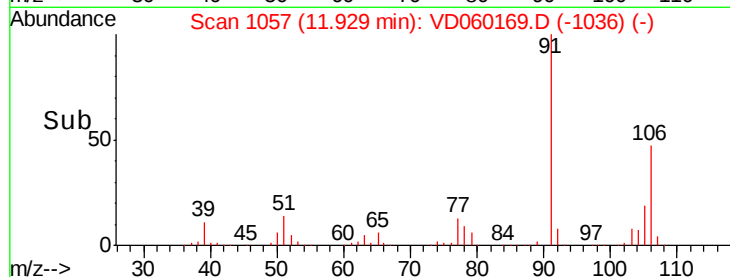
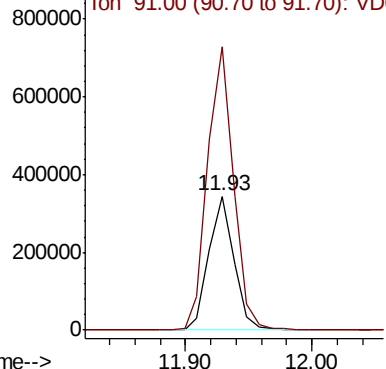
#69
o-Xylene
Concen: 21.976 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:106 Resp: 475667
Ion Ratio Lower Upper
106 100
91 210.9 102.5 307.5

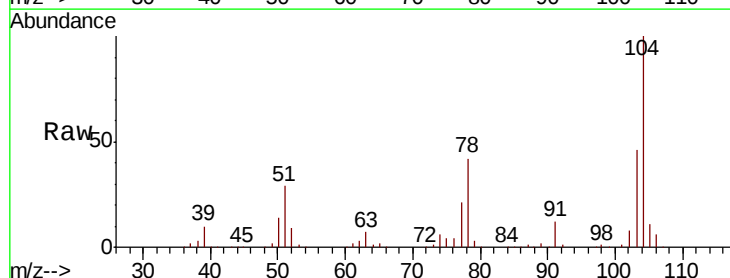


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

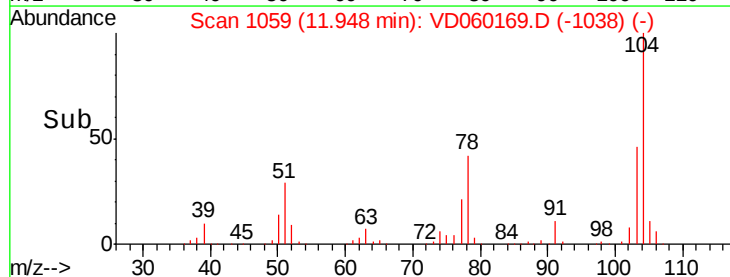
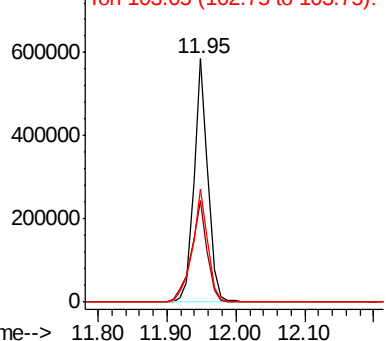


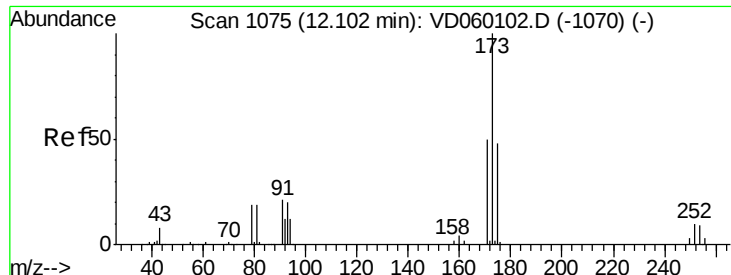
#70
Styrene
Concen: 22.532 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:104 Resp: 815611
Ion Ratio Lower Upper
104 100
78 41.7 32.2 48.4
103 46.2 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: 21.784 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

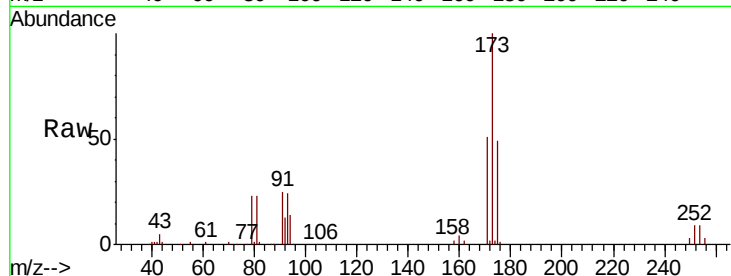
Tot Ion:173 Resp: 212722

Ion Ratio Lower Upper

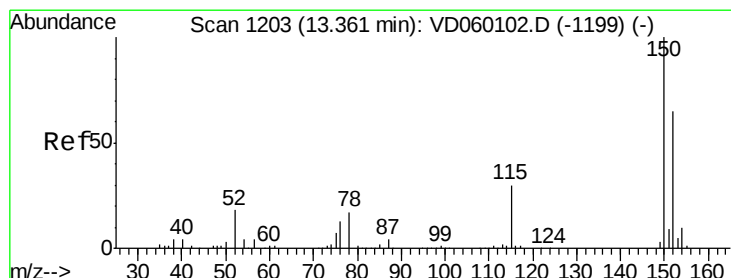
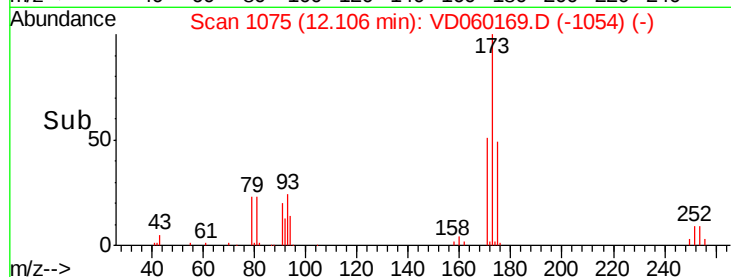
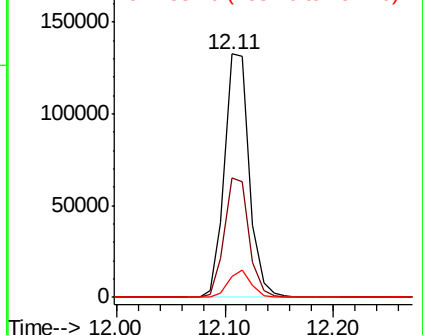
173 100

175 49.2 24.1 72.4

254 8.7 7.4 11.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

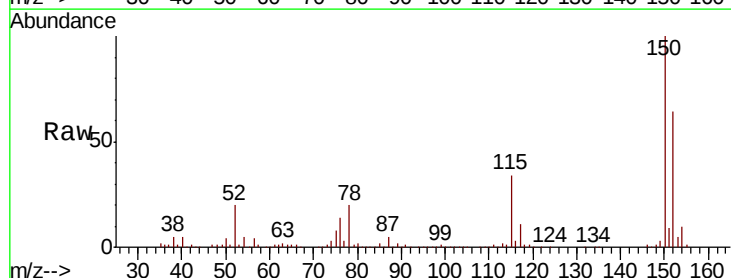
Tgt Ion:152 Resp: 924960

Ion Ratio Lower Upper

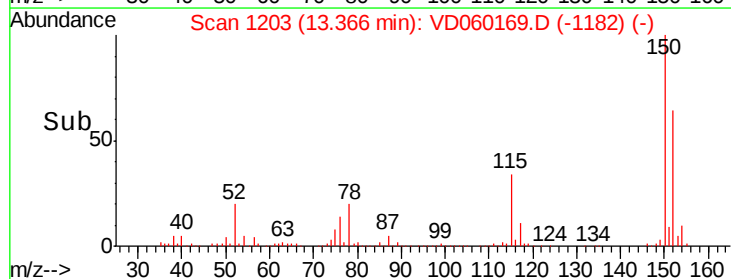
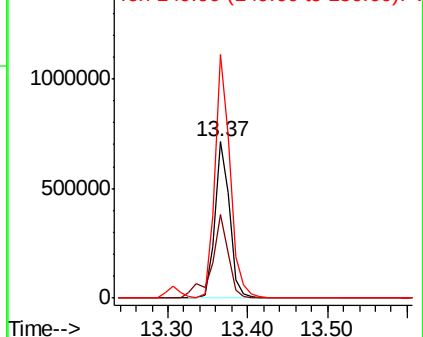
152 100

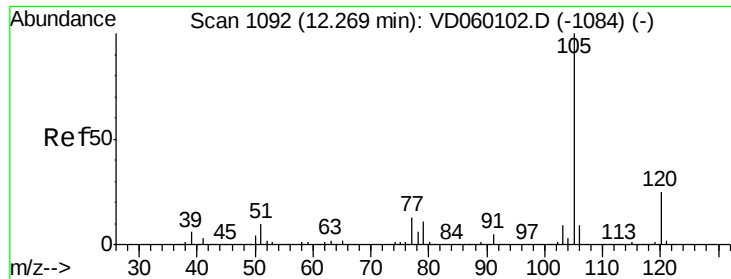
115 53.5 27.1 81.2

150 156.1 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.566 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

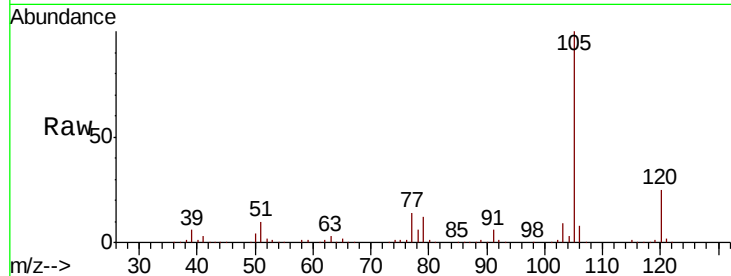
VD1010SBS01

Tot Ion:105 Resp: 1315963

Ion Ratio Lower Upper

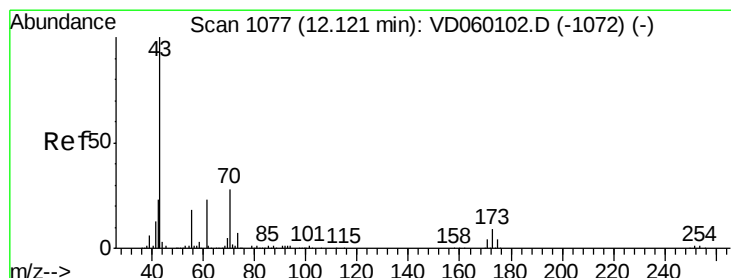
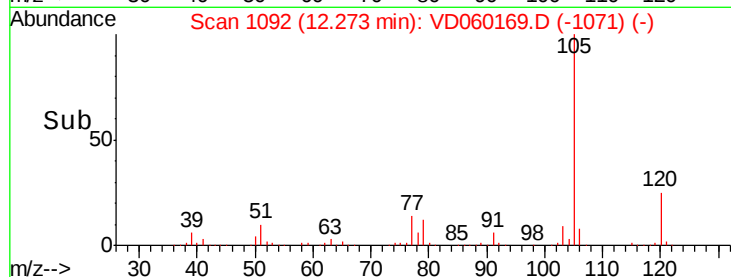
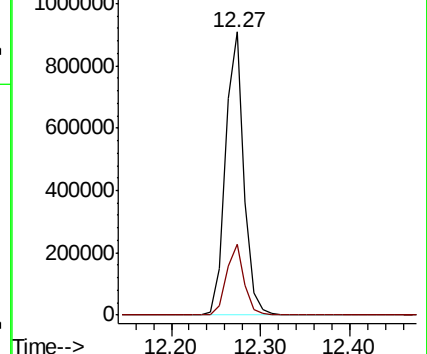
105 100

120 25.2 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.538 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Tgt Ion: 43 Resp: 481400

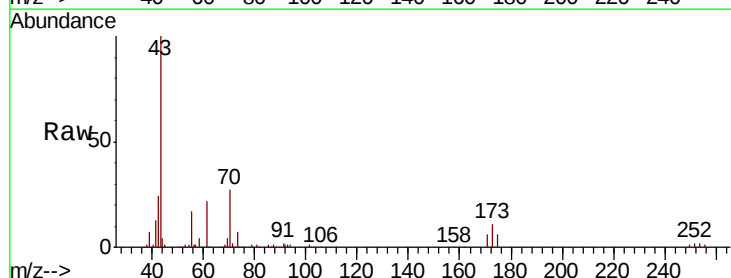
Ion Ratio Lower Upper

43 100

70 26.7 22.1 33.1

55 16.8 14.1 21.1

61 22.3 18.4 27.6

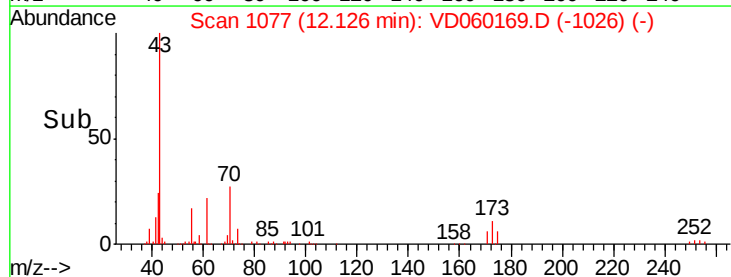
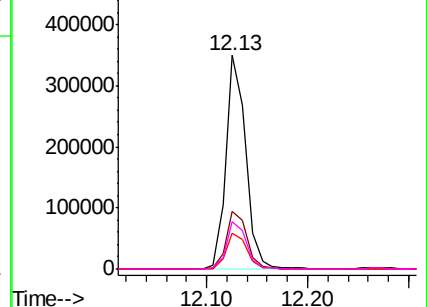


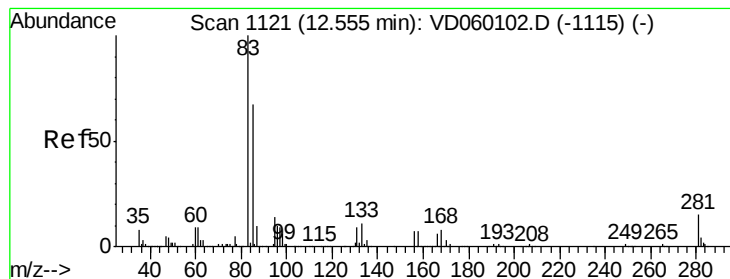
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.433 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleID :

VD1010SBS01

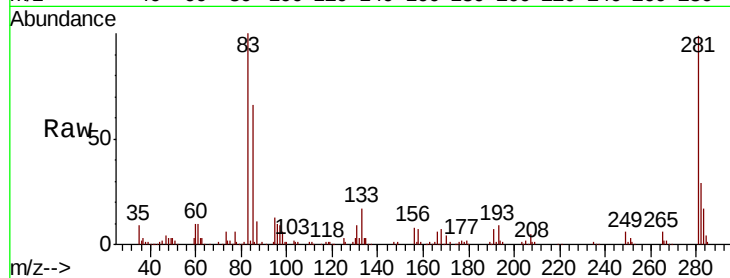
Tot Ion: 83 Resp: 285533

Ion Ratio Lower Upper

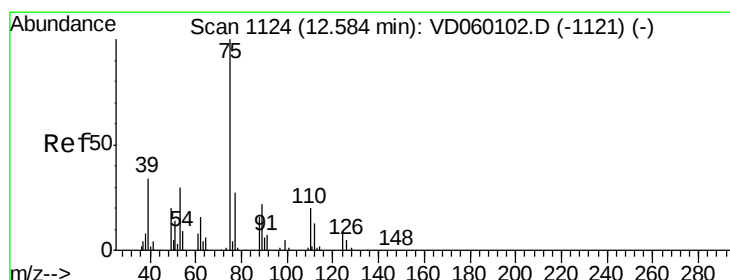
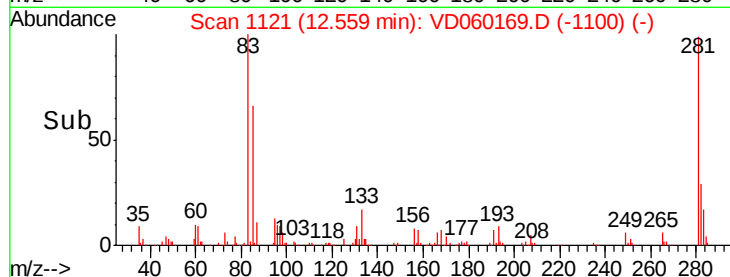
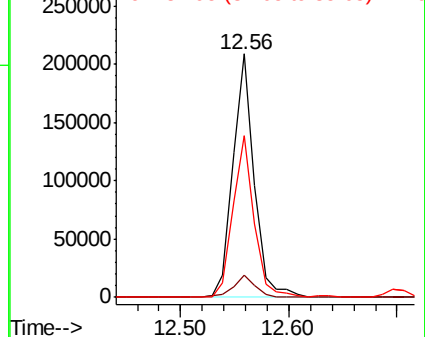
83 100

131 9.2 4.5 13.4

85 66.4 33.3 99.9



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



#76

1,2,3-Trichloropropane

Concen: 21.184 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD060169.D

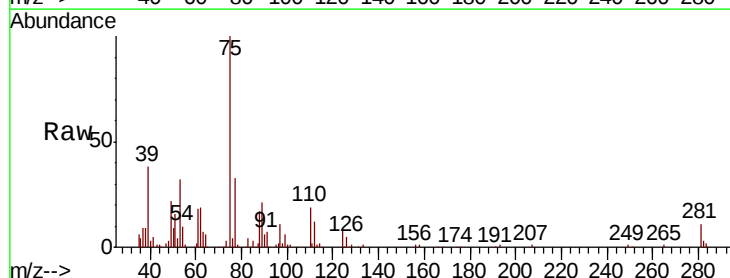
Acq: 10 Oct 2018 12:17

Tgt Ion: 75 Resp: 282178

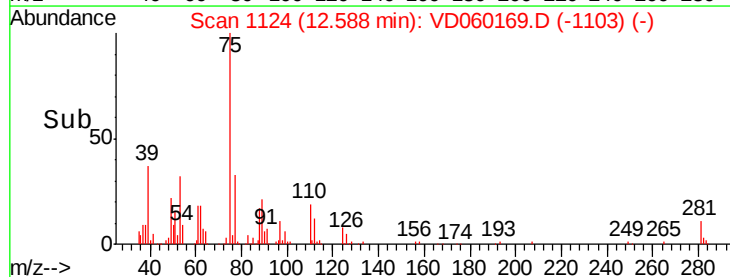
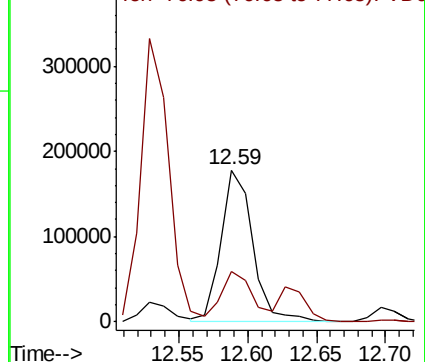
Ion Ratio Lower Upper

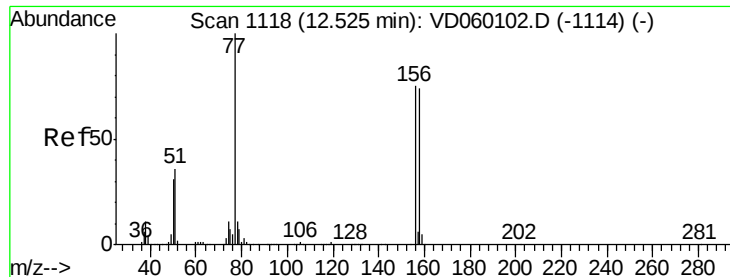
75 100

77 33.5 16.3 48.9



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





#77

Bromobenzene

Concen: 21.211 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

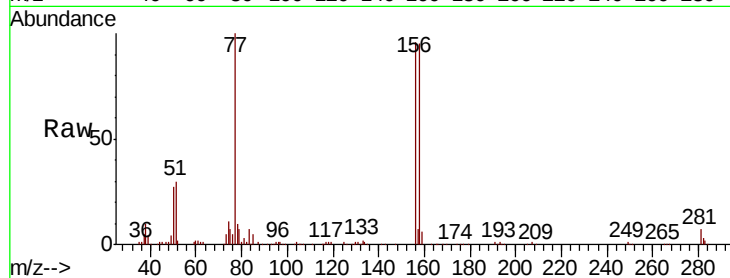
Tot Ion:156 Resp: 376114

Ion Ratio Lower Upper

156 100

77 104.3 66.9 200.7

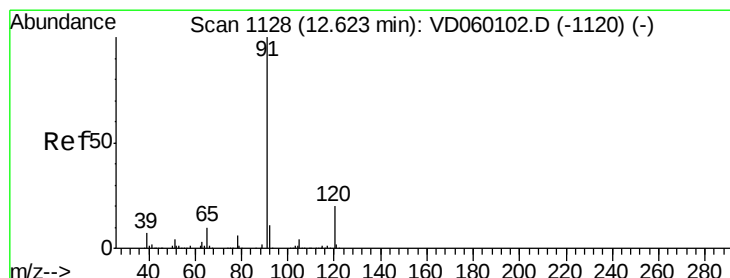
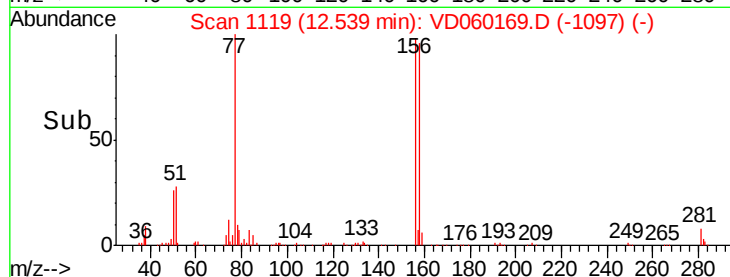
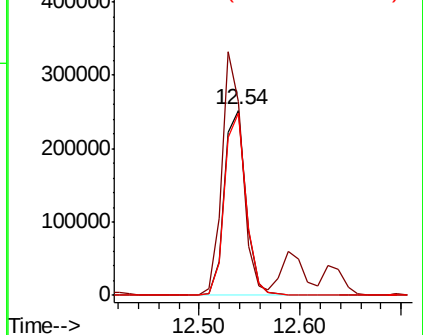
158 98.6 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.655 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD060169.D

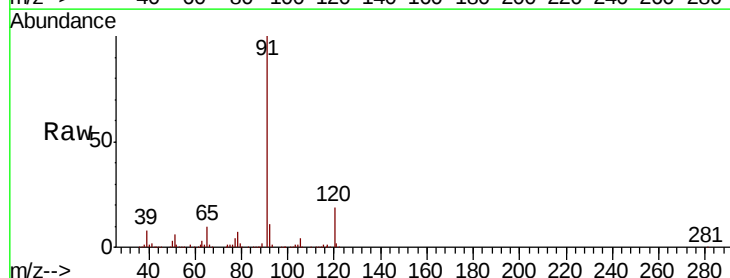
Acq: 10 Oct 2018 12:17

Tgt Ion: 91 Resp: 1640806

Ion Ratio Lower Upper

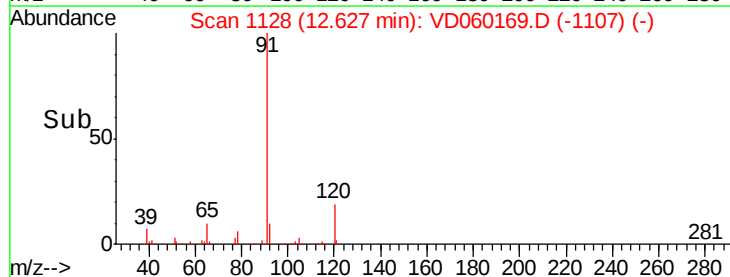
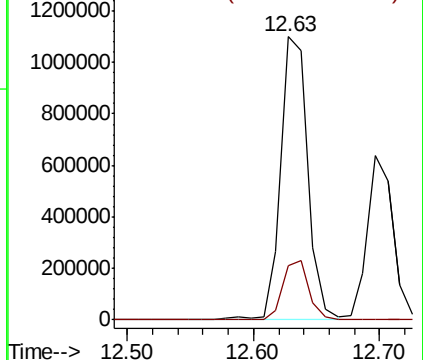
91 100

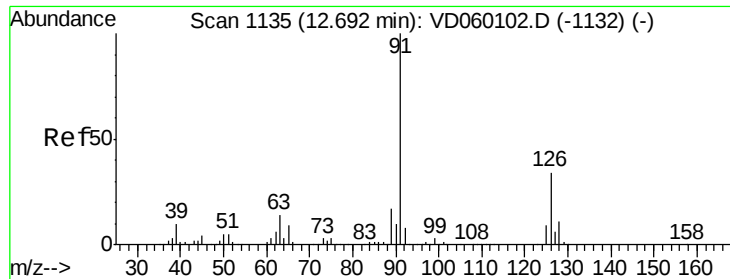
120 19.0 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.505 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

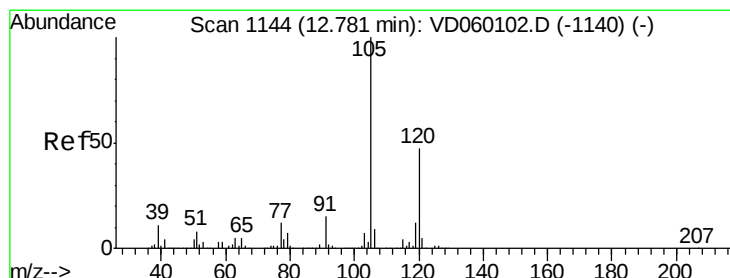
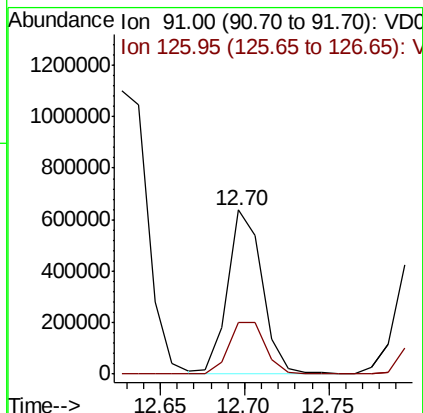
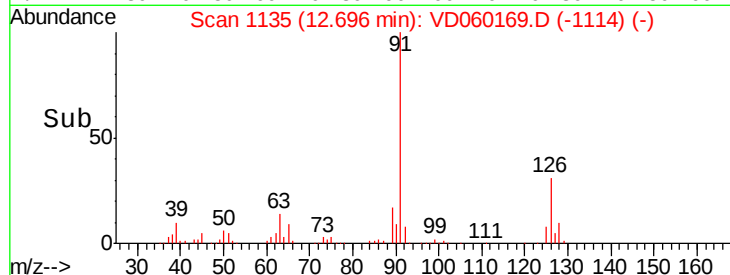
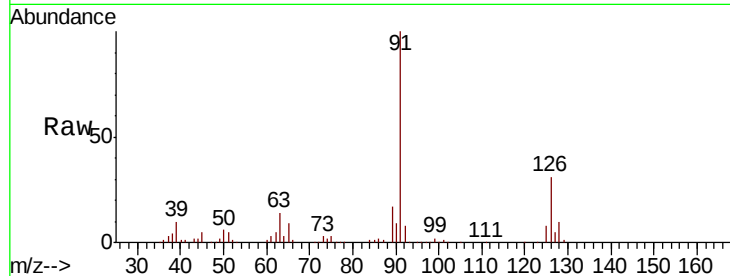
VD1010SBS01

Tot Ion: 91 Resp: 904362

Ion Ratio Lower Upper

91 100

126 31.1 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 22.132 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD060169.D

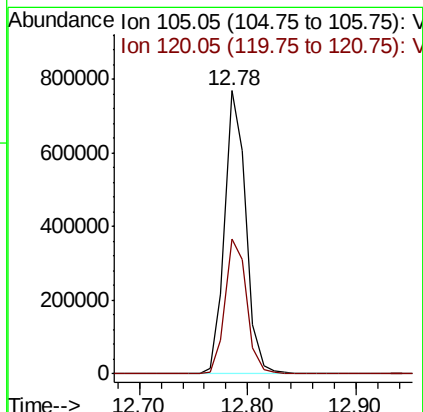
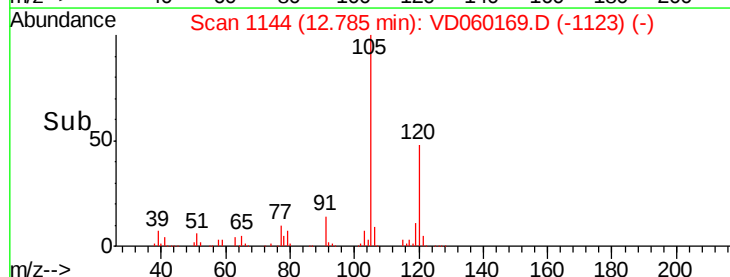
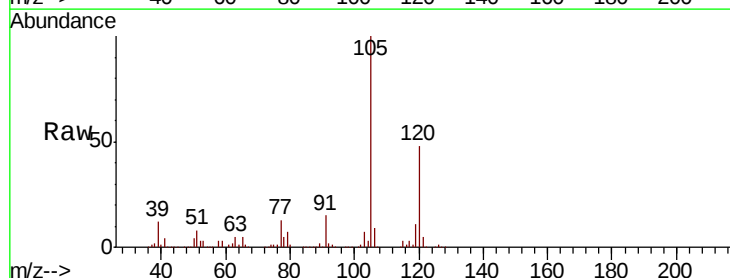
Acq: 10 Oct 2018 12:17

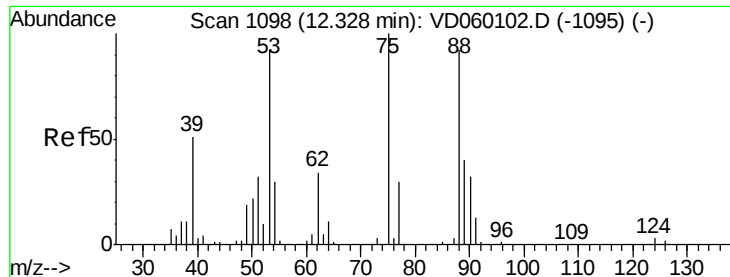
Tgt Ion:105 Resp: 1045262

Ion Ratio Lower Upper

105 100

120 47.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.131 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060169.D

Acq: 10 Oct 2018 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

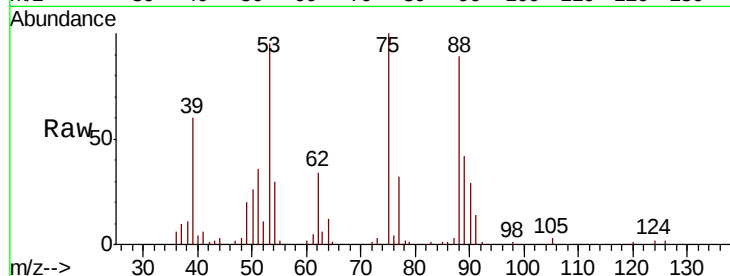
Tot Ion: 75 Resp: 79090

Ion Ratio Lower Upper

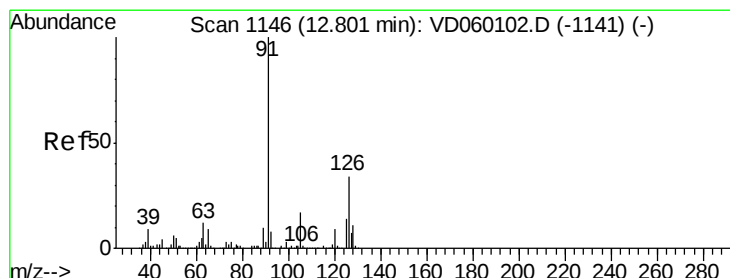
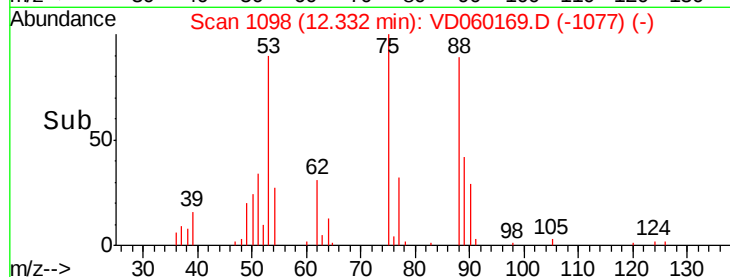
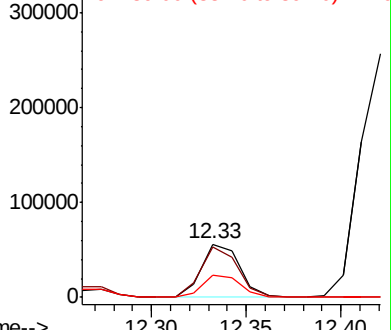
75 100

53 94.8 73.0 109.6

89 41.7 32.0 48.0



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



#82

4-Chlorotoluene

Concen: 22.272 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060169.D

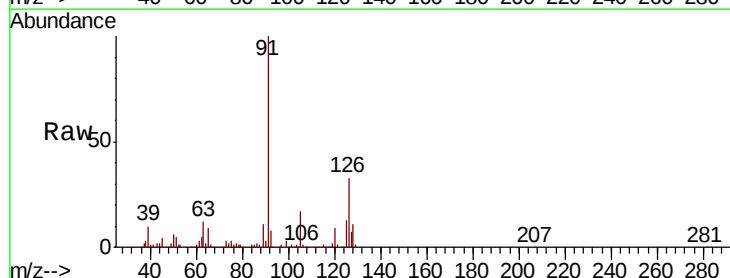
Acq: 10 Oct 2018 12:17

Tgt Ion: 91 Resp: 1059388

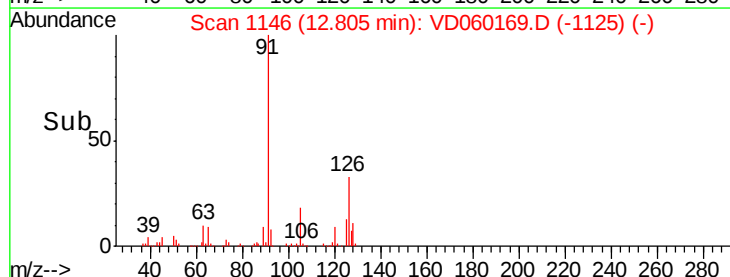
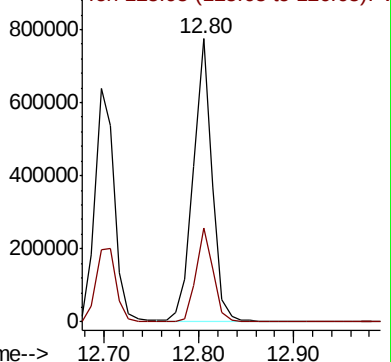
Ion Ratio Lower Upper

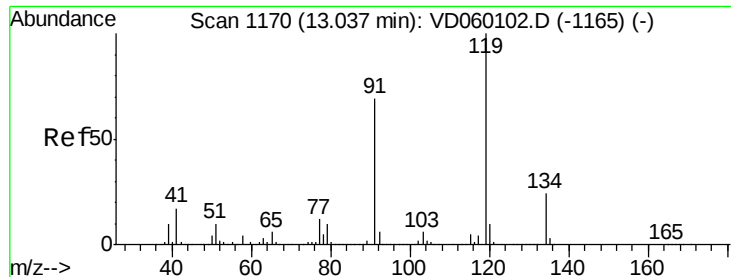
91 100

126 33.0 17.1 51.2



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

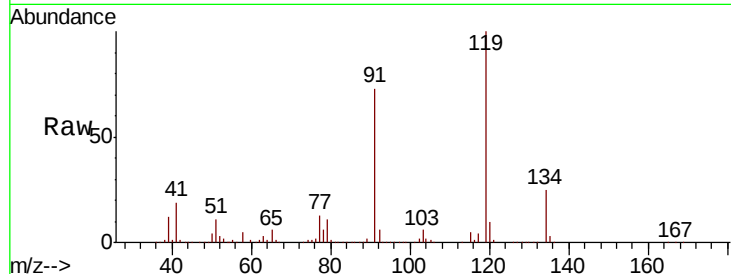




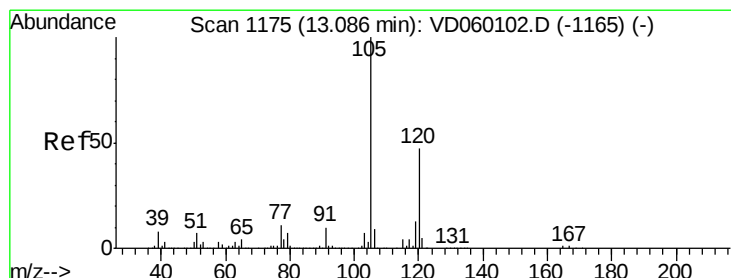
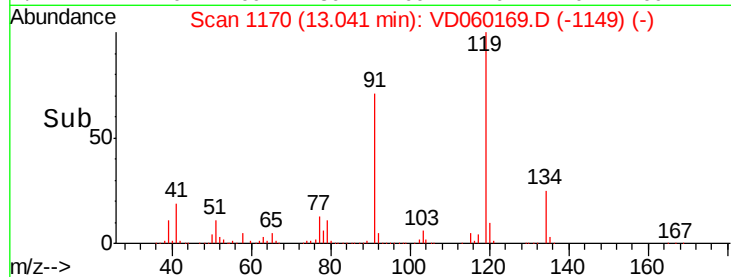
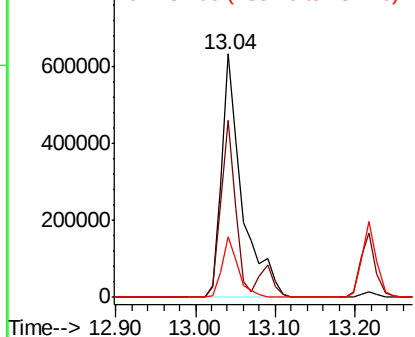
#83
 tert-Butylbenzene
 Concen: 21.208 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion:119 Resp: 1149372
 Ion Ratio Lower Upper
 119 100
 91 72.7 34.8 104.4
 134 24.9 11.8 35.4

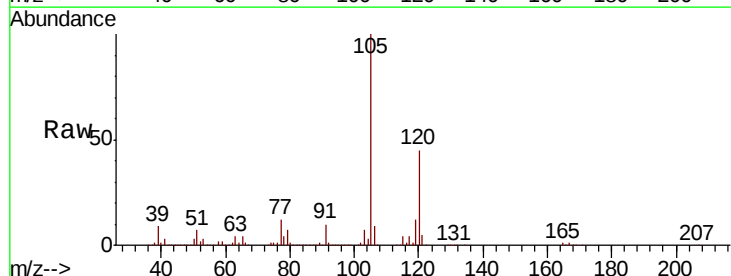


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

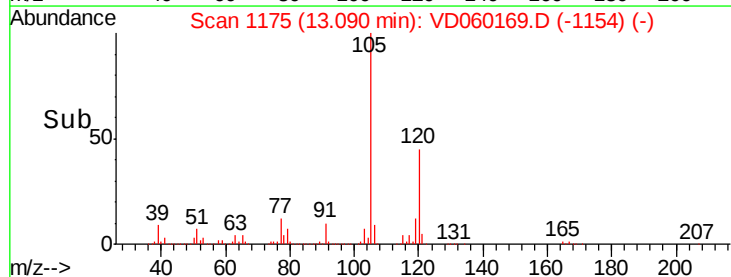
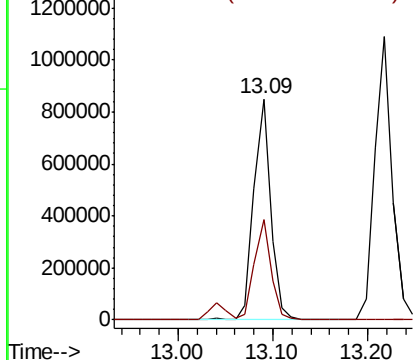


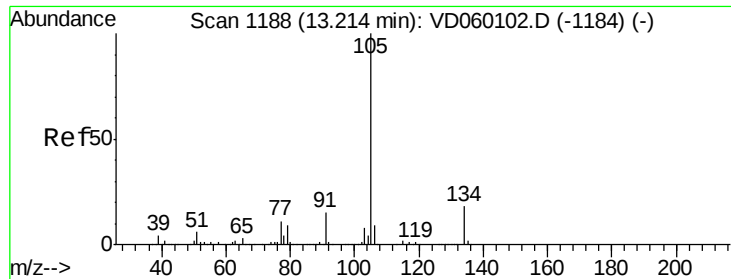
#84
 1,2,4-Trimethylbenzene
 Concen: 21.160 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion:105 Resp: 1053219
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.0



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

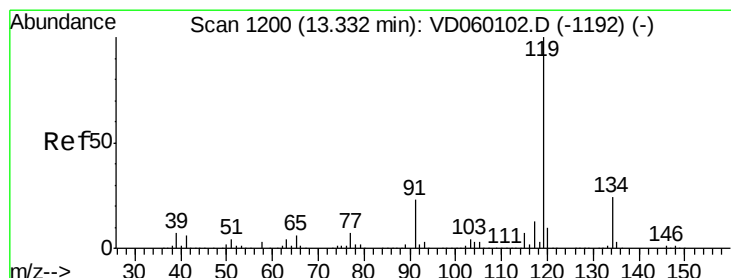
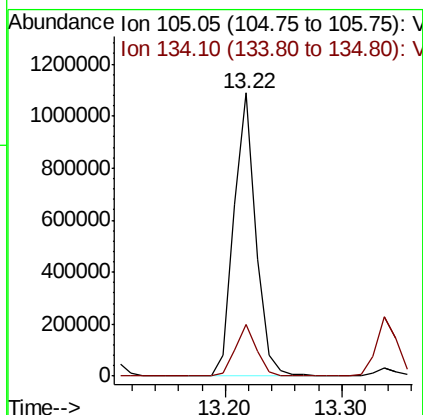
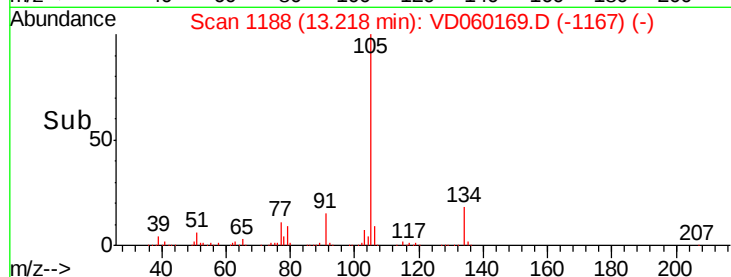
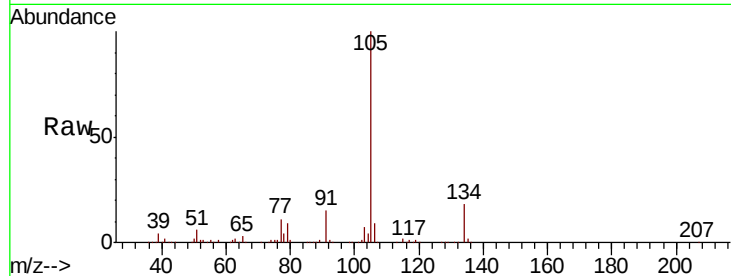




#85
 sec-Butylbenzene
 Concen: 22.026 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

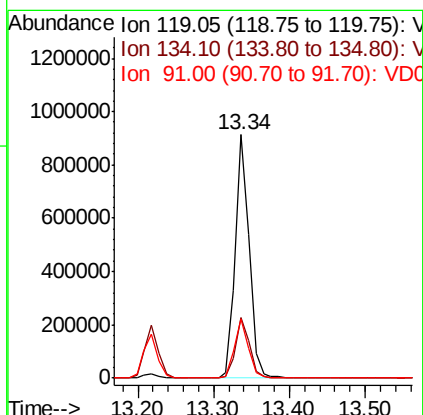
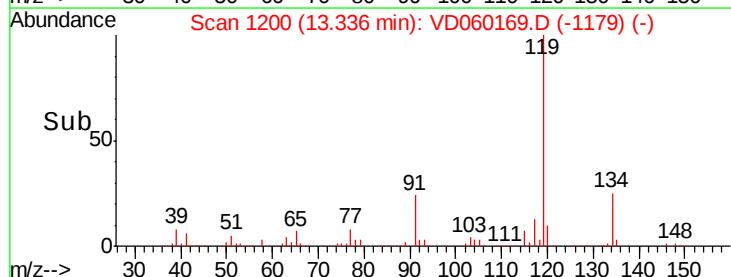
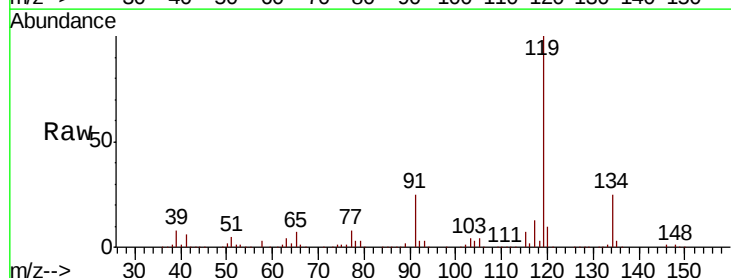
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion:105 Resp: 1411415
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 21.646 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion:119 Resp: 1137667
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.3 36.8
 91 24.5 11.8 35.4

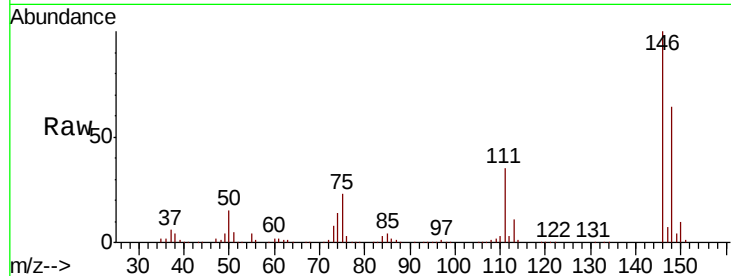




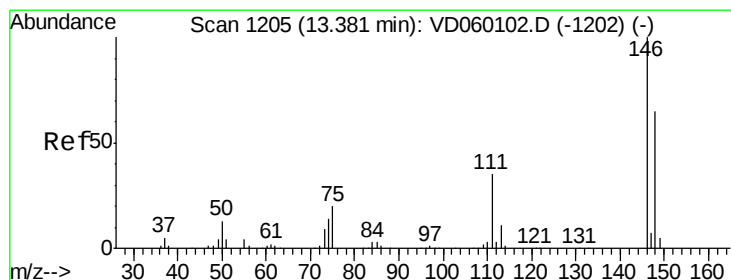
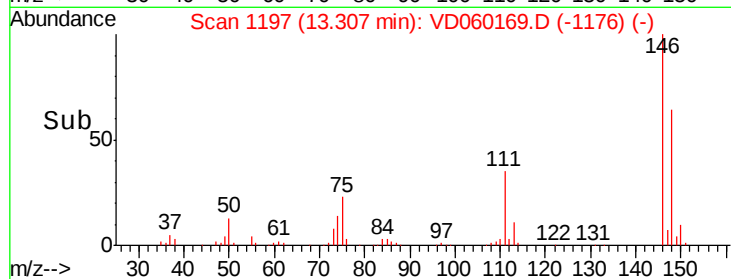
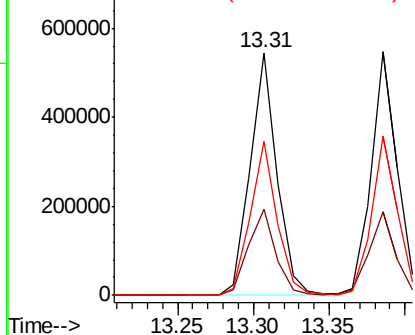
#87
 1,3-Dichlorobenzene
 Concen: 21.861 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.1	54.3
148	63.6	32.3	96.9

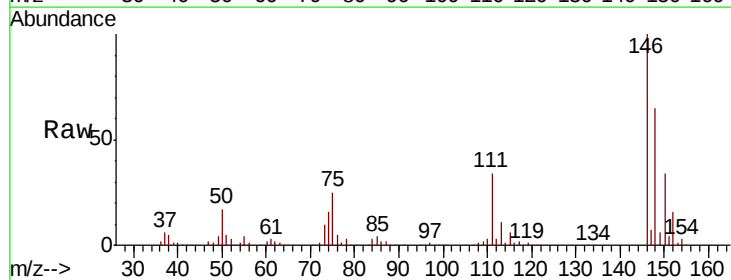


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

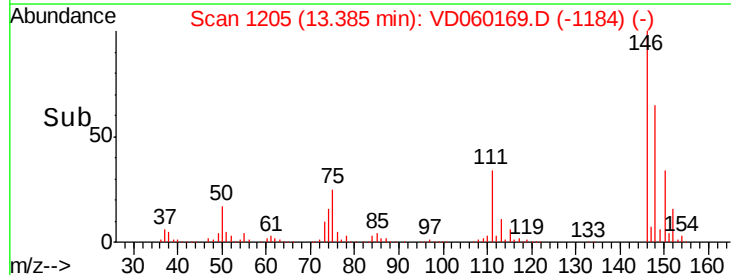
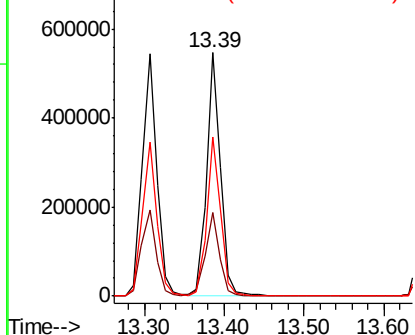


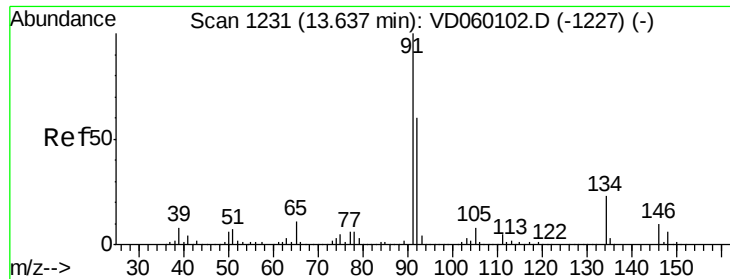
#88
 1,4-Dichlorobenzene
 Concen: 21.391 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.8	53.3
148	65.1	32.4	97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

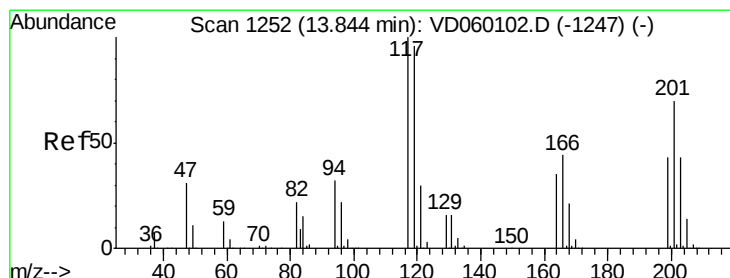
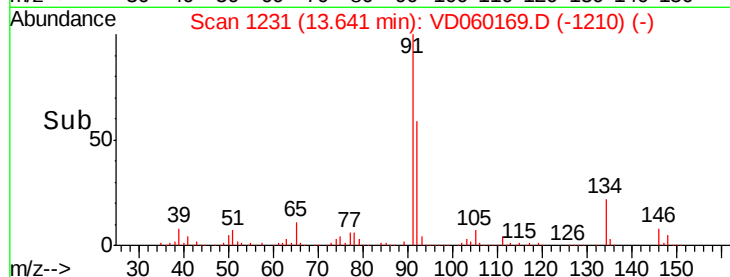
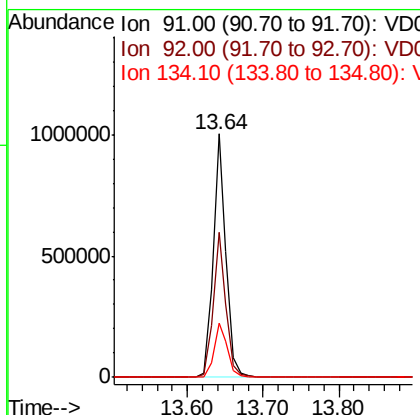
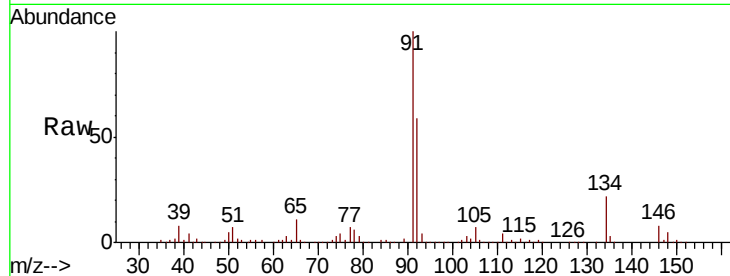




#89
n-Butylbenzene
Concen: 23.303 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

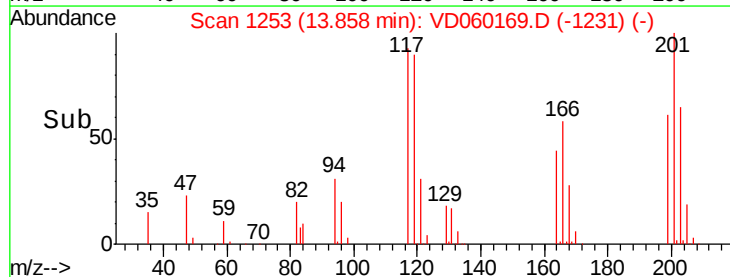
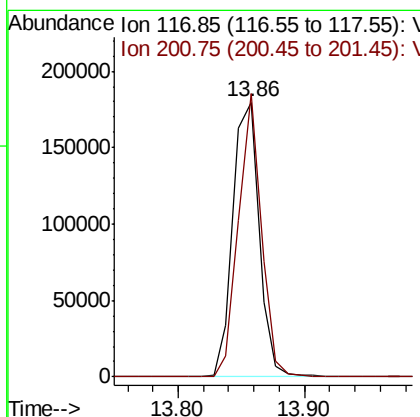
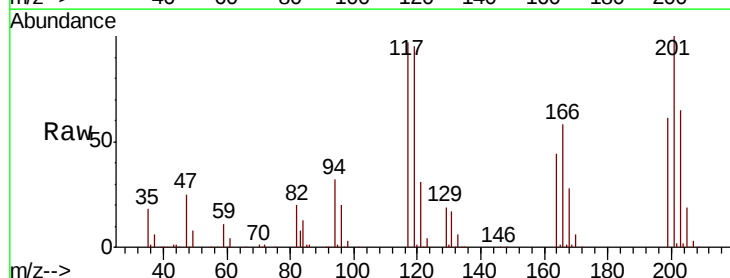
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

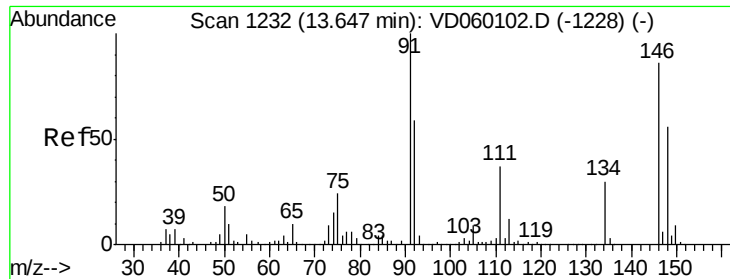
Tot Ion: 91 Resp: 1195073
Ion Ratio Lower Upper
91 100
92 59.4 30.1 90.3
134 22.2 11.6 34.7



#90
Hexachloroethane
Concen: 21.327 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion: 117 Resp: 259414
Ion Ratio Lower Upper
117 100
201 103.0 34.8 104.5

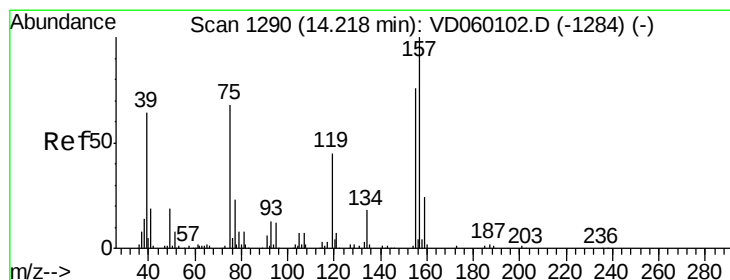
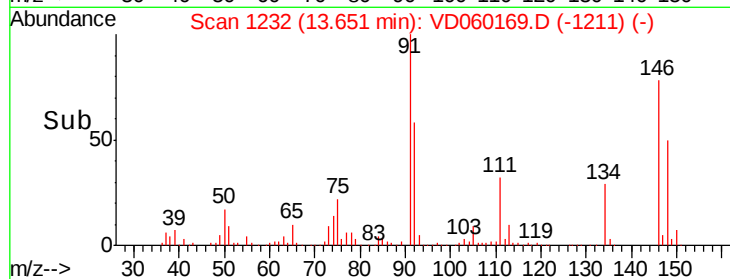
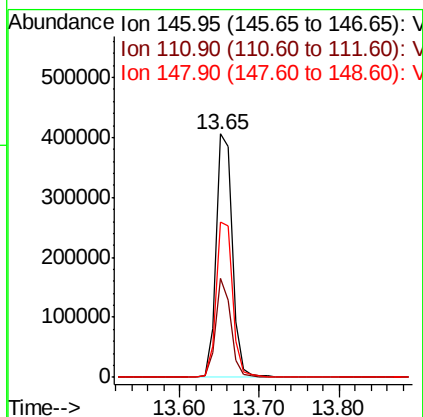
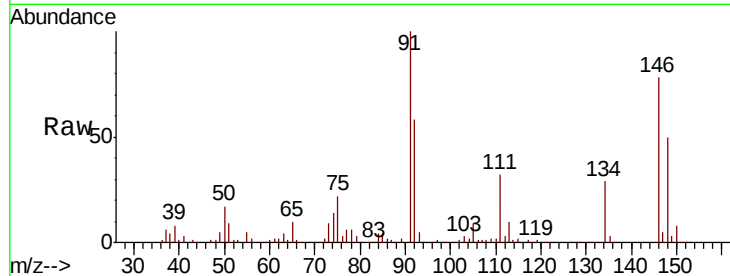




#91
 1,2-Dichlorobenzene
 Concen: 22.666 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

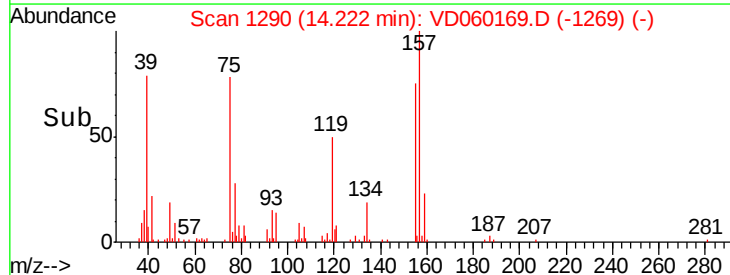
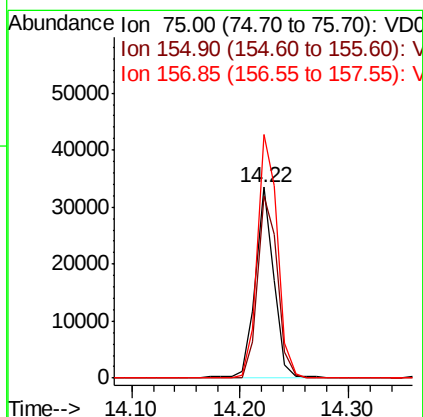
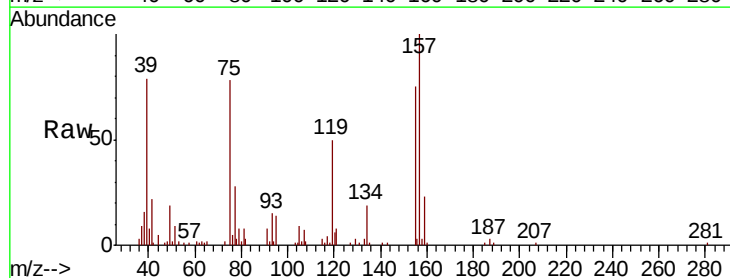
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1010SBS01

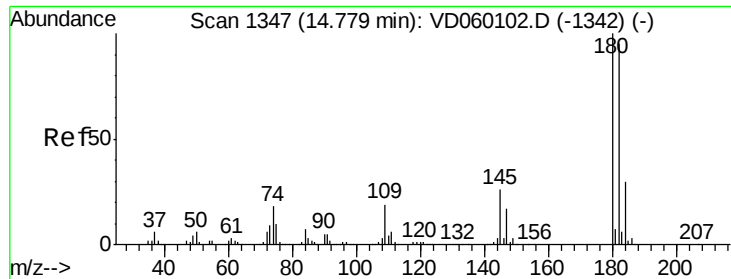
Tot Ion:146 Resp: 588788
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.4 64.3
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.499 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion: 75 Resp: 40021
 Ion Ratio Lower Upper
 75 100
 155 95.8 55.9 167.7
 157 127.8 73.3 219.8

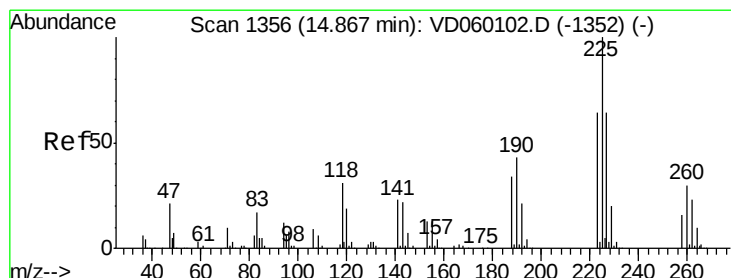
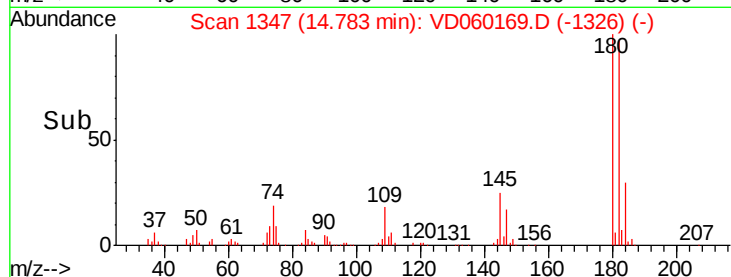
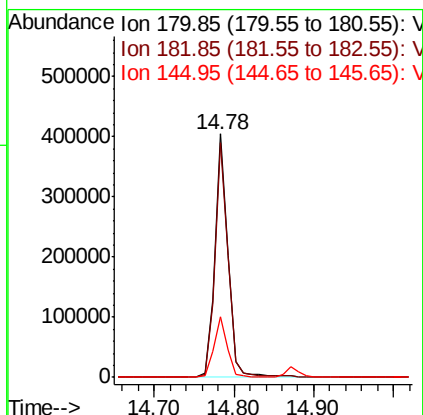
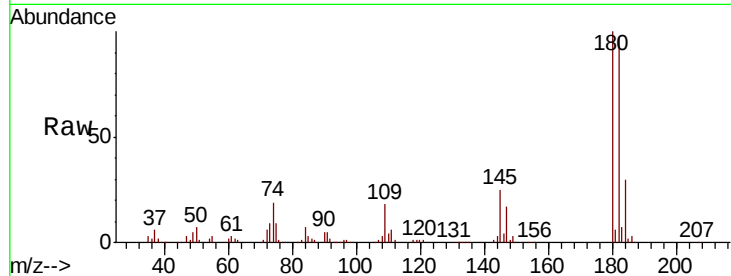




#93
 1,2,4-Trichlorobenzene
 Concen: 21.536 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

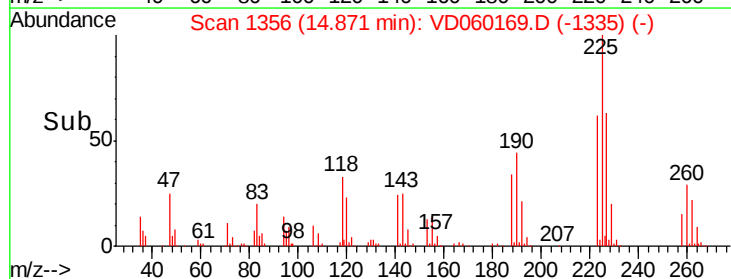
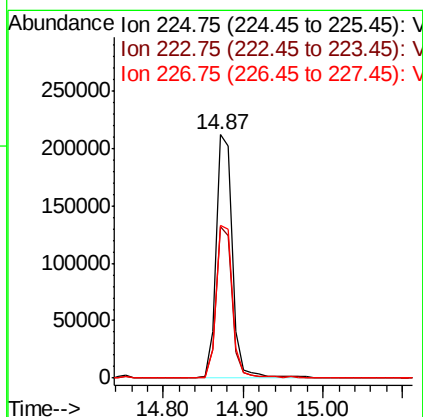
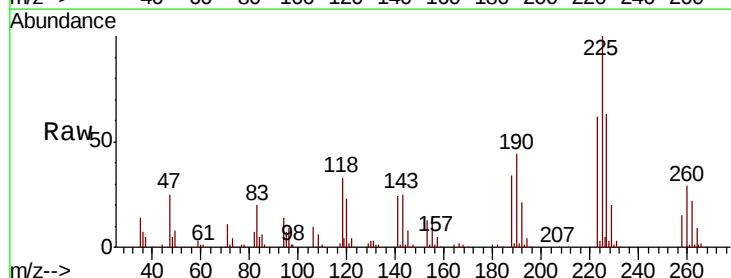
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

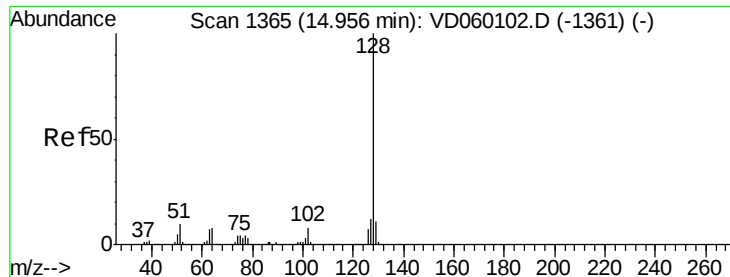
Tot Ion:180 Resp: 474840
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.3 141.8
 145 25.0 13.0 38.9



#94
 Hexachlorobutadiene
 Concen: 21.099 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060169.D
 Acq: 10 Oct 2018 12:17

Tgt Ion:225 Resp: 309229
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.8 95.4
 227 62.5 32.0 96.0

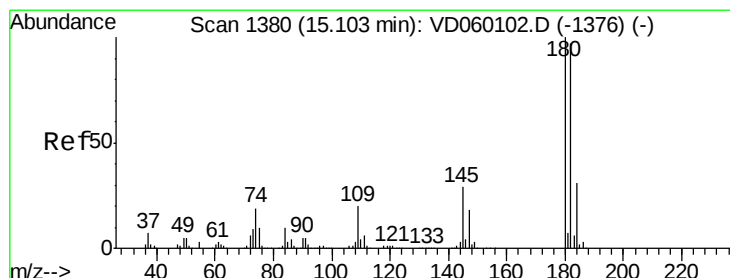
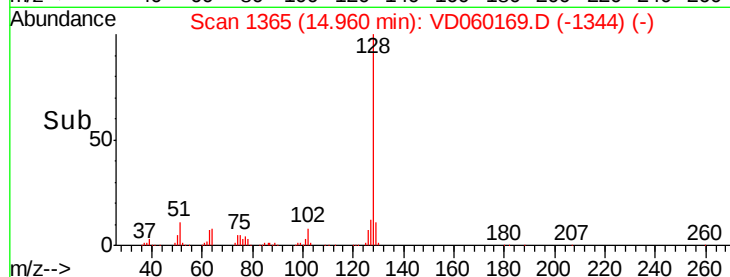
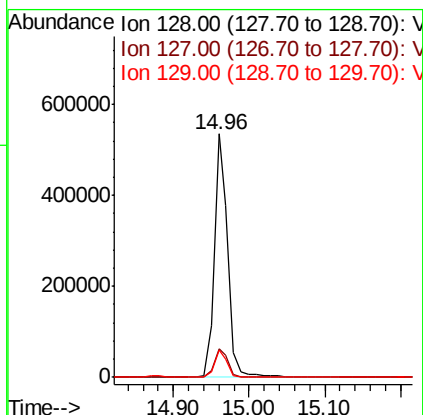
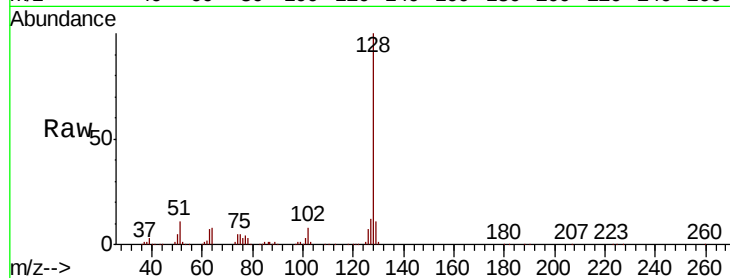




#95
Naphthalene
Concen: 20.452 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:128 Resp: 668427
Ion Ratio Lower Upper
128 100
127 11.7 9.9 14.9
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.071 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060169.D
Acq: 10 Oct 2018 12:17

Tgt Ion:180 Resp: 404151
Ion Ratio Lower Upper
180 100
182 94.7 48.4 145.0
145 27.4 14.5 43.6

