

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060482.D
 Acq On : 4 Dec 2018 12:46
 Operator : VA/AP
 Sample : VD1204SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Quant Time: Dec 05 02:23:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1346196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1787852	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1450176	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	756358	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	479344	49.73	ug/l	0.00
Spiked Amount						
			Recovery	=	99.46%	
35) Dibromofluoromethane	6.34	113	711561	53.37	ug/l	0.00
Spiked Amount						
			Recovery	=	106.74%	
50) Toluene-d8	9.46	98	2024932	51.90	ug/l	0.00
Spiked Amount						
			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.43	95	728944	51.56	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	259810	22.043	ug/l	95
3) Chloromethane	1.77	50	269853	21.162	ug/l	100
4) Vinyl Chloride	1.87	62	233305	22.403	ug/l	99
5) Bromomethane	2.16	94	41683	16.871	ug/l	95
6) Chloroethane	2.27	64	64552	18.682	ug/l	95
7) Trichlorofluoromethane	2.53	101	274159	22.330	ug/l	100
8) Diethyl Ether	2.84	74	53236	23.949	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	195896	24.259	ug/l	96
10) Methyl Iodide	3.26	142	213373	20.344	ug/l	94
11) Tert butyl alcohol	3.98	59	46217	116.765	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	160814	24.482	ug/l	89
13) Acrolein	3.01	56	32334	69.135	ug/l	84
14) Allyl chloride	3.55	41	293735	23.371	ug/l	98
15) Acrylonitrile	4.10	53	250267	108.427	ug/l	97
16) Acetone	3.17	43	200763	120.075	ug/l	97
17) Carbon Disulfide	3.33	76	450206	21.234	ug/l	98
18) Methyl Acetate	3.57	43	83807	23.508	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	416330	21.167	ug/l	99
20) Methylene Chloride	3.74	84	366595	24.717	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	313831	21.518	ug/l	99
22) Diisopropyl ether	4.87	45	1029586	21.927	ug/l	96
23) Vinyl Acetate	4.82	43	2533359	108.429	ug/l	98
24) 1,1-Dichloroethane	4.77	63	512120	21.269	ug/l	99
25) 2-Butanone	5.63	43	372737	107.252	ug/l	99
26) 2,2-Dichloropropane	5.60	77	424102	22.655	ug/l	98
27) cis-1,2-Dichloroethene	5.61	96	339919	22.372	ug/l	98
28) Bromochloromethane	5.94	49	218249	20.543	ug/l	88
29) Tetrahydrofuran	5.96	42	192020	104.798	ug/l	99
30) Chloroform	6.12	83	524773	21.801	ug/l	100
31) Cyclohexane	6.37	56	467955	20.333	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	436228	21.514	ug/l	98
36) 1,1-Dichloropropene	6.53	75	400287	22.662	ug/l	98
37) Ethyl Acetate	5.71	43	181742	22.360	ug/l	98
38) Carbon Tetrachloride	6.51	117	378146	23.079	ug/l	96

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 Sample : VD1204SBS01
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 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	445722	21.940	ug/l	98
40) Benzene	6.81	78	1049045	23.267	ug/l	100
41) Methacrylonitrile	5.96	41	210283	22.604	ug/l #	93
42) 1,2-Dichloroethane	6.91	62	255066	21.613	ug/l	99
43) Isopropyl Acetate	8.35	43	222623	21.805	ug/l #	97
44) Trichloroethene	7.75	130	311458	22.788	ug/l	99
45) 1,2-Dichloropropane	8.11	63	253821	22.322	ug/l	99
46) Dibromomethane	8.22	93	145892	21.906	ug/l	97
47) Bromodichloromethane	8.50	83	358056	22.815	ug/l	100
48) Methyl methacrylate	8.25	41	128723	20.757	ug/l	93
49) 1,4-Dioxane	8.23	88	25304	471.581	ug/l #	80
51) 4-Methyl-2-Pentanone	9.35	43	755019	113.621	ug/l	99
52) Toluene	9.55	92	654531	22.726	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	283307	21.365	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	371672	21.854	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	179447	21.497	ug/l	98
56) Ethyl methacrylate	10.04	69	168059	21.896	ug/l	98
57) 1,3-Dichloropropane	10.39	76	281283	22.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	539847	116.326	ug/l	98
59) 2-Hexanone	10.50	43	556974	117.600	ug/l	100
60) Dibromochloromethane	10.65	129	229865	22.653	ug/l	98
61) 1,2-Dibromoethane	10.76	107	186151	22.257	ug/l	99
64) Tetrachloroethene	10.26	164	293230	22.650	ug/l	96
65) Chlorobenzene	11.31	112	721022	22.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	237548	23.106	ug/l	97
67) Ethyl Benzene	11.43	91	1264683	23.529	ug/l	99
68) m/p-Xylenes	11.57	106	940949	47.456	ug/l	98
69) o-Xylene	11.93	106	433107	22.610	ug/l	100
70) Styrene	11.96	104	697996	22.547	ug/l	100
71) Bromoform	12.12	173	150917	21.846	ug/l	97
73) Isopropylbenzene	12.28	105	1235397	22.418	ug/l	99
74) N-amyl acetate	12.14	43	290721	20.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	196182	21.768	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	190371	21.041	ug/l	97
77) Bromobenzene	12.54	156	312201	21.329	ug/l	97
78) n-propylbenzene	12.64	91	1585931	23.057	ug/l	99
79) 2-Chlorotoluene	12.71	91	838619	22.261	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	966445	22.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	53822	20.894	ug/l	98
82) 4-Chlorotoluene	12.81	91	956579	22.605	ug/l	98
83) tert-Butylbenzene	13.05	119	1072096	22.549	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	987081	23.079	ug/l	99
85) sec-Butylbenzene	13.22	105	1309695	22.452	ug/l	99
86) p-Isopropyltoluene	13.34	119	1073503	22.852	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	577211	22.164	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	568800	22.364	ug/l	95
89) n-Butylbenzene	13.65	91	1161380	22.804	ug/l	96
90) Hexachloroethane	13.86	117	256919	23.065	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	498040	23.283	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21268	19.550	ug/l	64

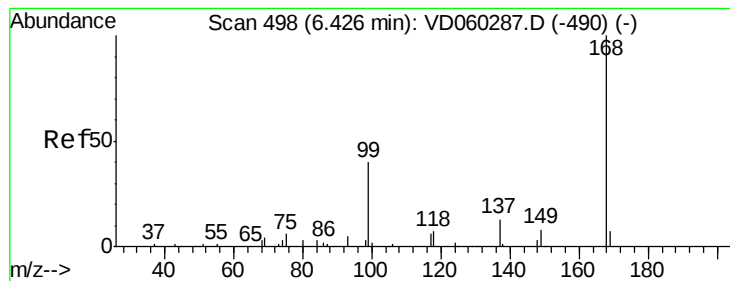
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Data File : VD060482.D
Acq On : 4 Dec 2018 12:46
Operator : VA/AP
Sample : VD1204SBS01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	367312	21.658	ug/l	95
94) Hexachlorobutadiene	14.89	225	277665	21.888	ug/l	99
95) Naphthalene	14.98	128	436857	21.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	281756	20.732	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

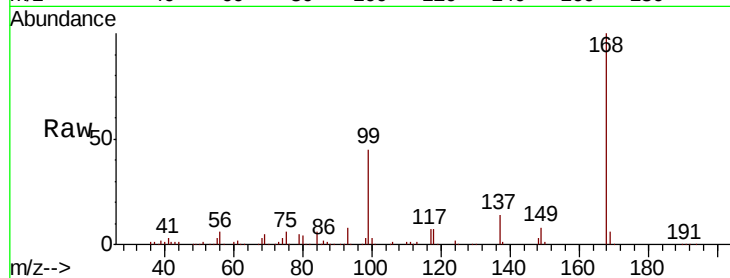
VD1204SBS01

Tot Ion:168 Resp: 1346196

Ion Ratio Lower Upper

168 100

99 45.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

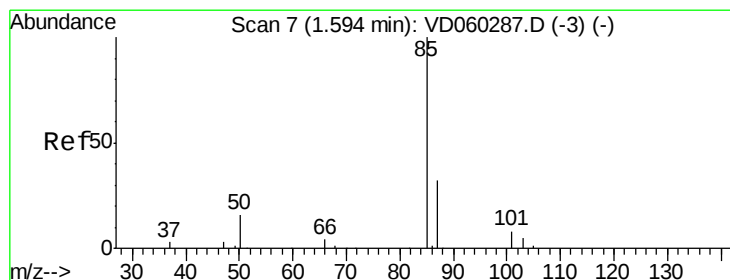
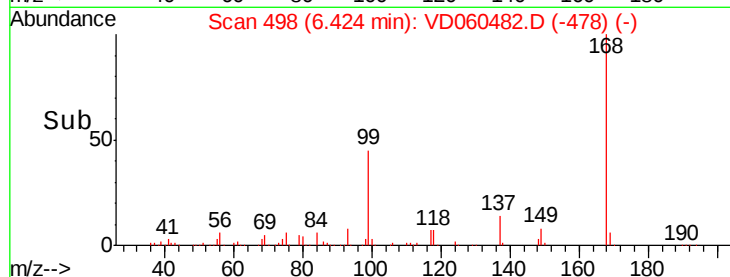
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.043 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060482.D

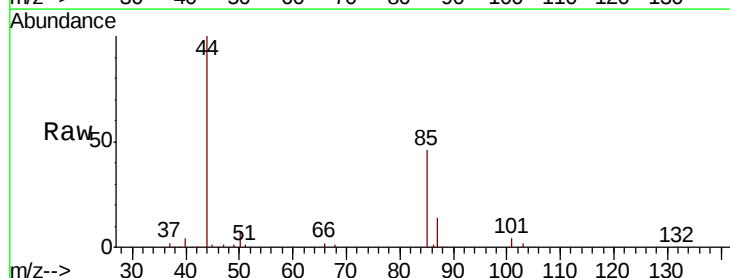
Acq: 4 Dec 2018 12:46

Tgt Ion: 85 Resp: 259810

Ion Ratio Lower Upper

85 100

87 30.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

120000

100000

80000

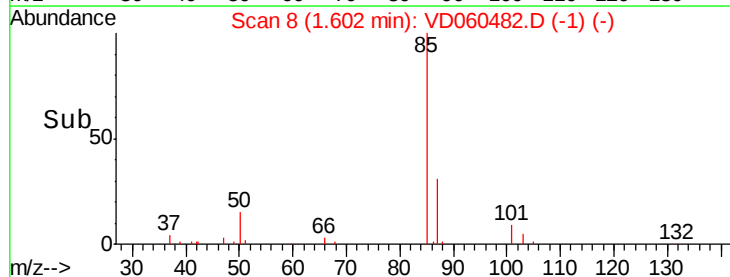
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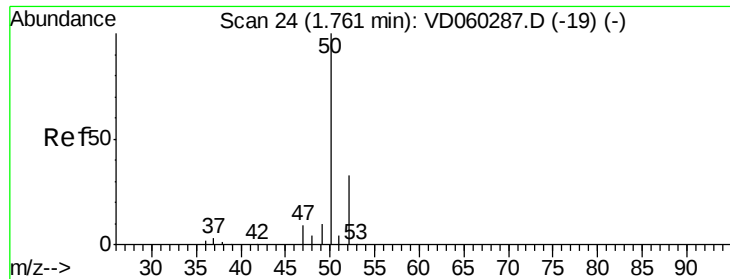
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.162 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

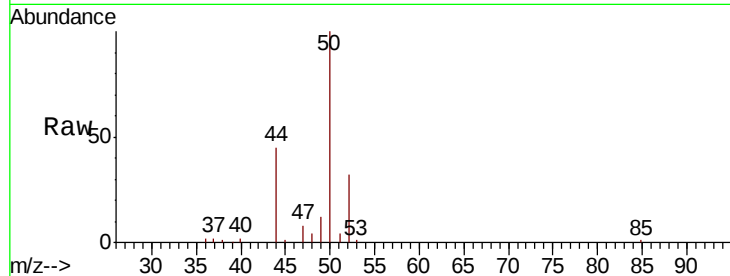
VD1204SBS01

Tot Ion: 50 Resp: 269853

Ion Ratio Lower Upper

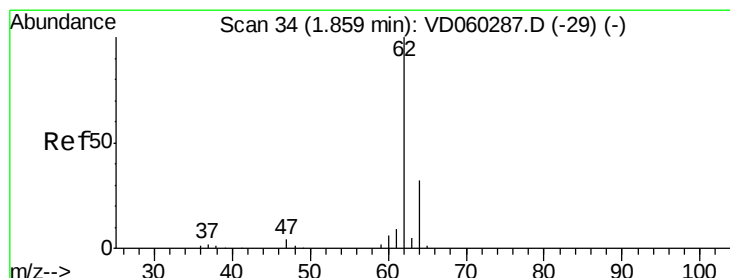
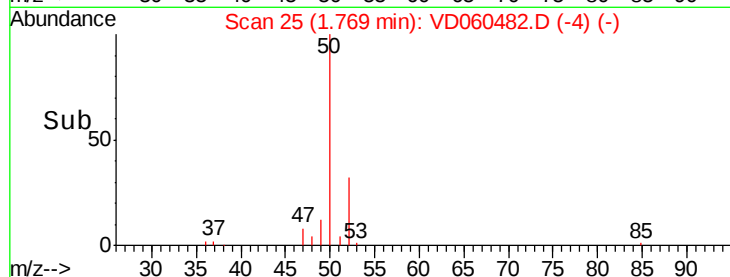
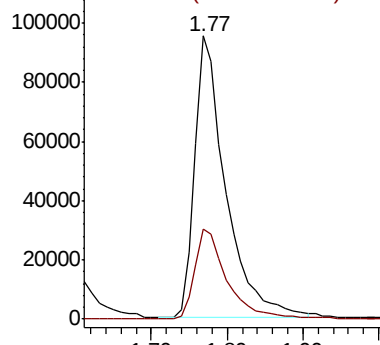
50 100

52 32.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.403 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060482.D

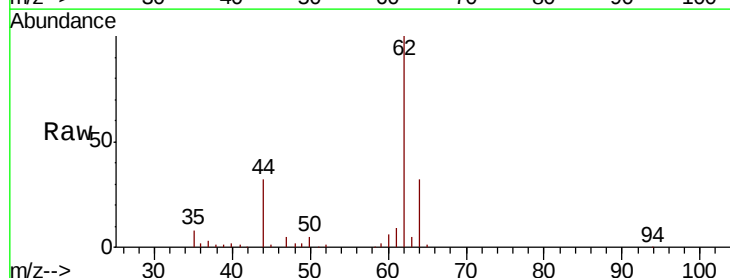
Acq: 4 Dec 2018 12:46

Tgt Ion: 62 Resp: 233305

Ion Ratio Lower Upper

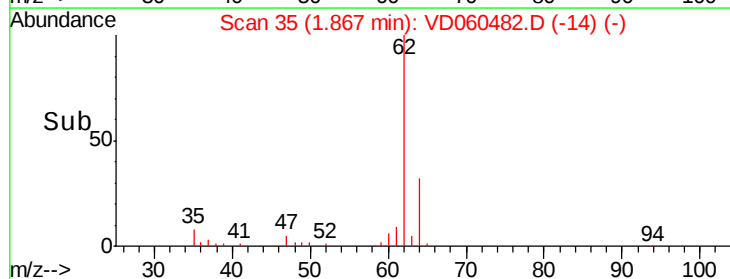
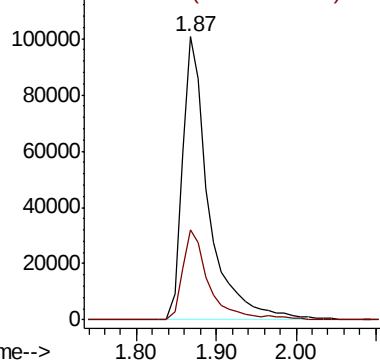
62 100

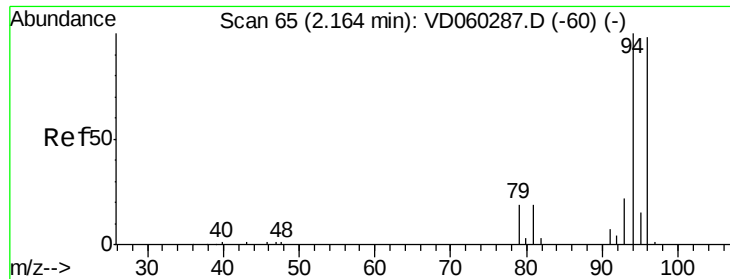
64 31.7 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

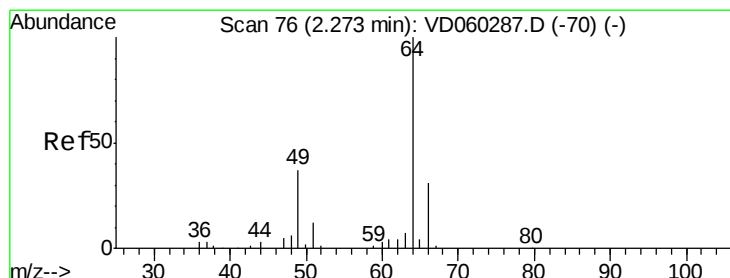
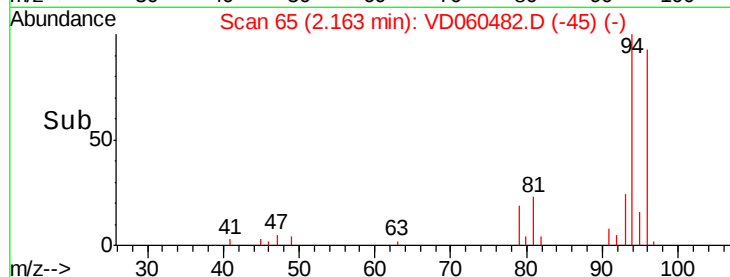
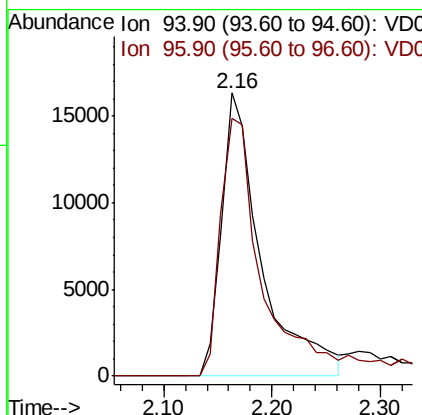
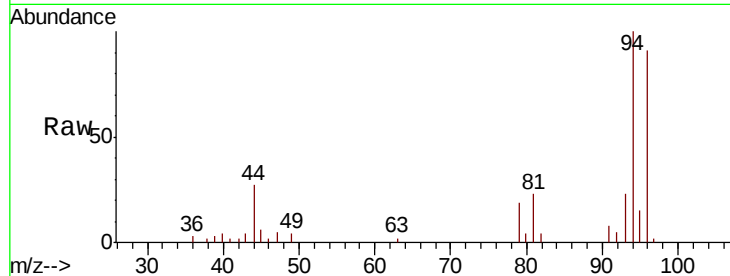




#5
Bromomethane
Concen: 16.871 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

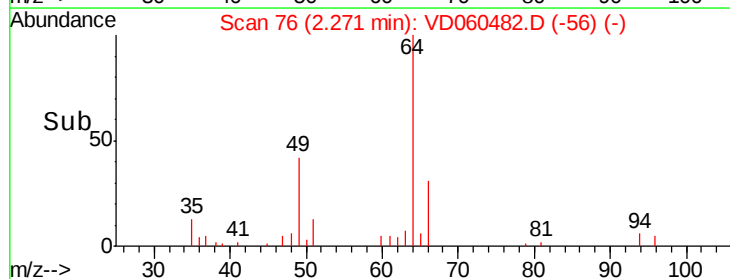
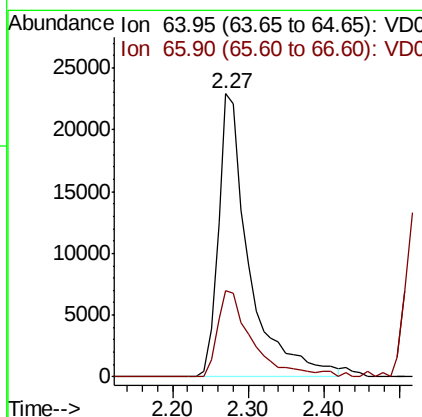
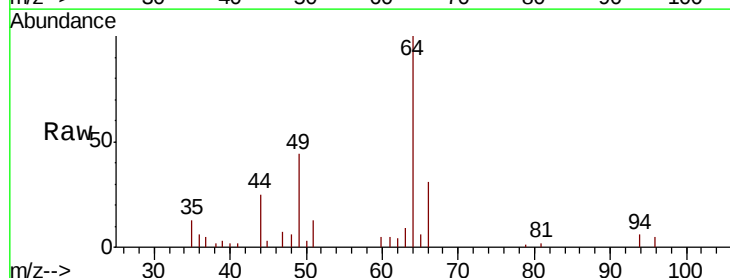
Instrument :
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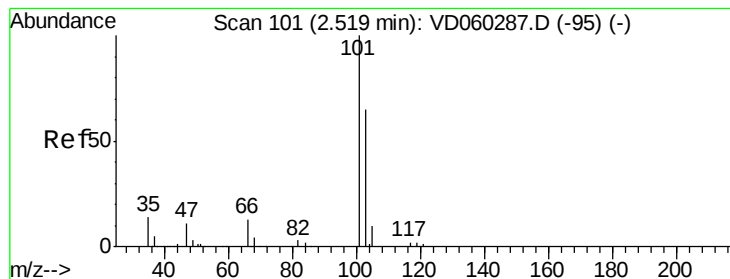
Tot Ion: 94 Resp: 41683
Ion Ratio Lower Upper
94 100
96 91.0 76.6 114.8



#6
Chloroethane
Concen: 18.682 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 64 Resp: 64552
Ion Ratio Lower Upper
64 100
66 30.6 26.6 40.0



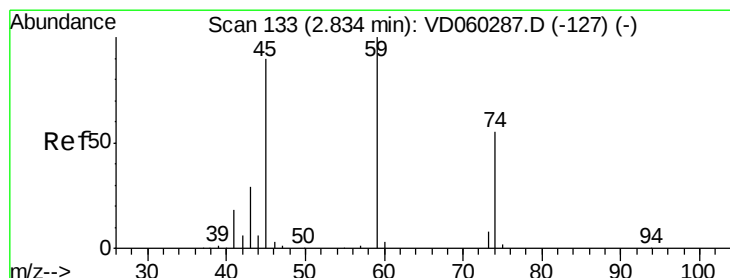
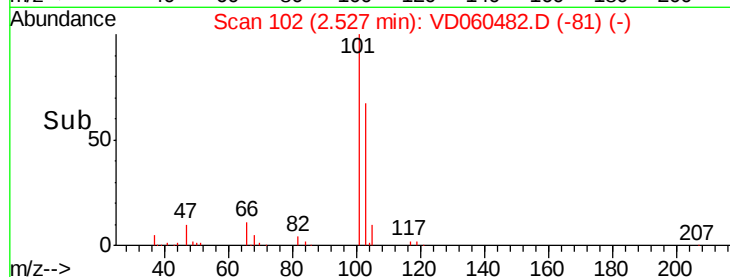
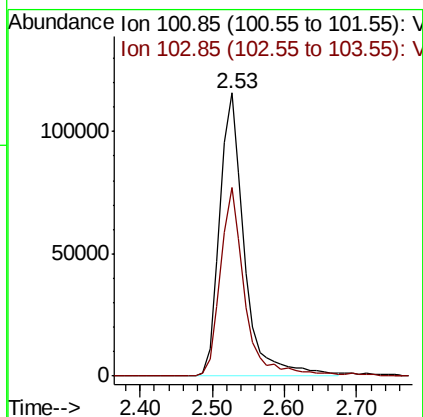
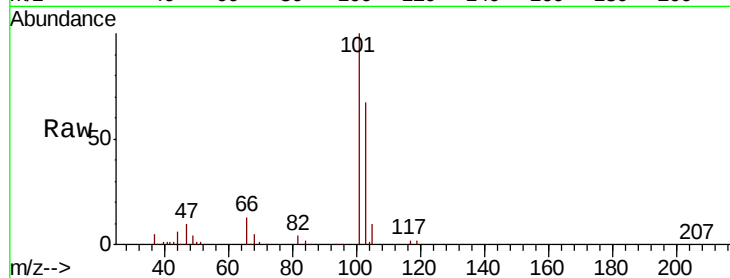


#7

Trichlorofluoromethane
 Concen: 22.330 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

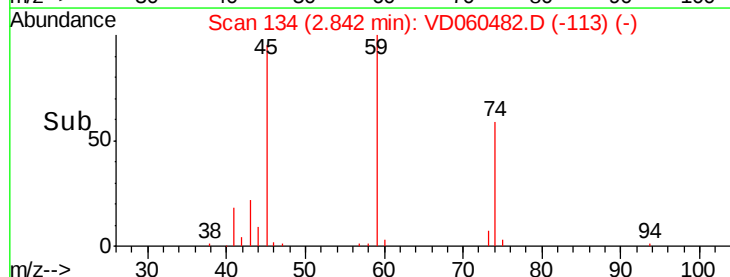
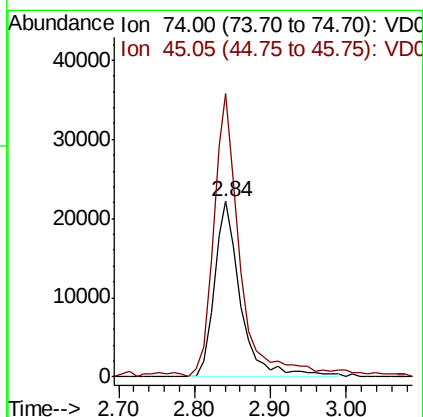
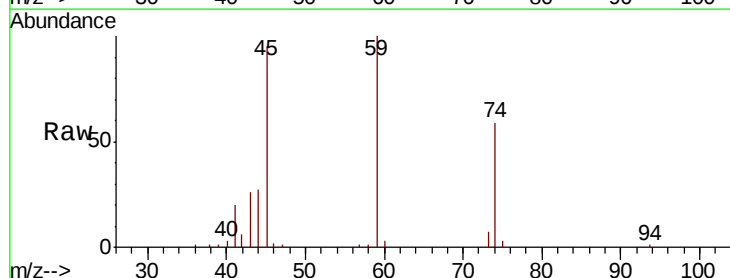
Tot Ion:101 Resp: 274159
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.6 80.4



#8

Diethyl Ether
 Concen: 23.949 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 74 Resp: 53236
 Ion Ratio Lower Upper
 74 100
 45 161.4 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.259 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

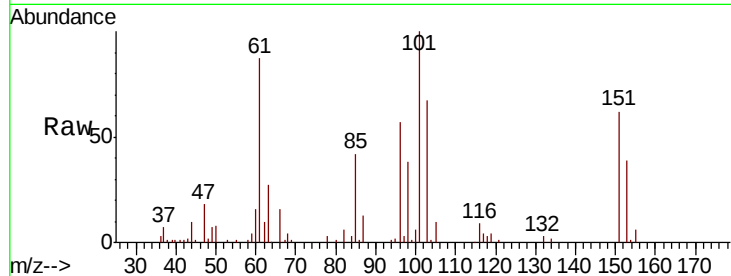
Tot Ion:101 Resp: 195896

Ion Ratio Lower Upper

101 100

85 42.4 31.4 47.0

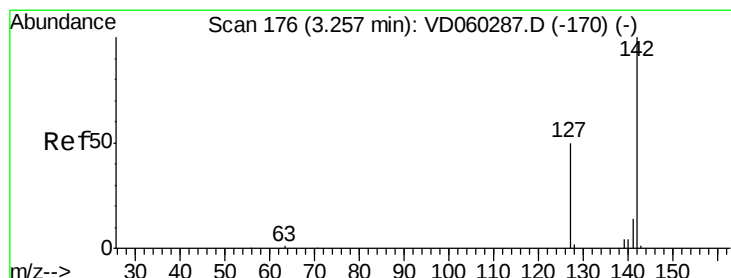
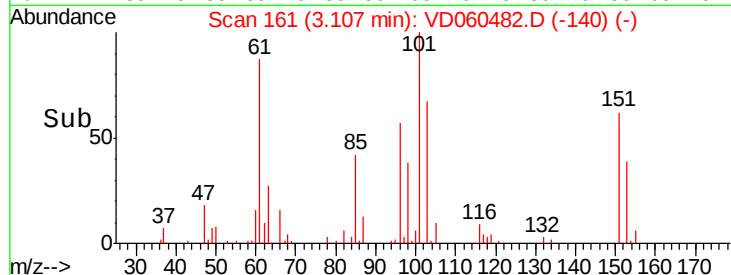
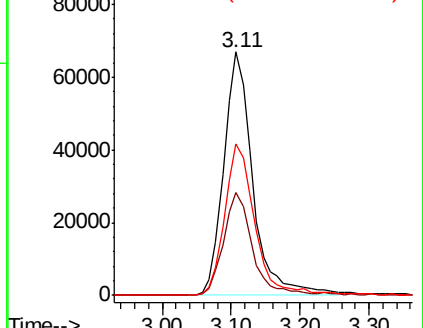
151 62.2 47.4 71.0



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: 20.344 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

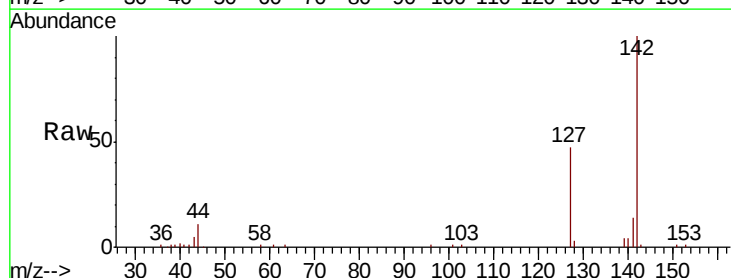
Tgt Ion:142 Resp: 213373

Ion Ratio Lower Upper

142 100

127 46.8 41.0 61.6

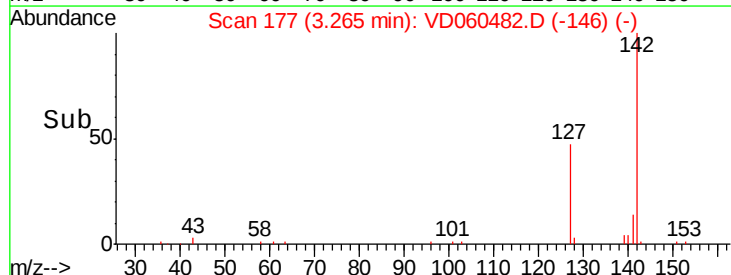
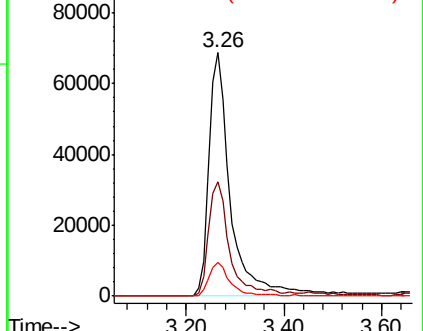
141 14.0 11.9 17.9

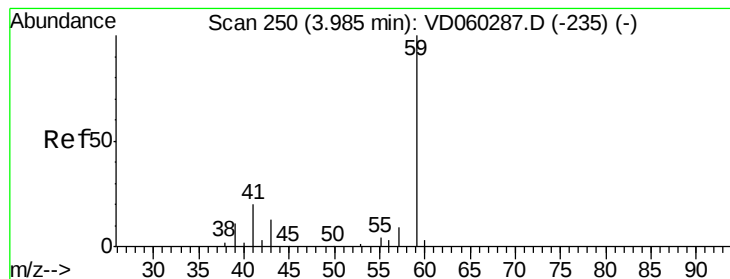


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



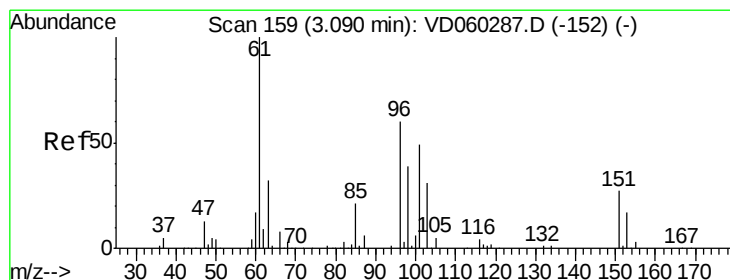
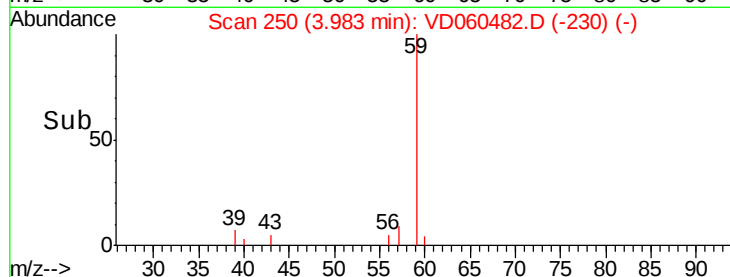
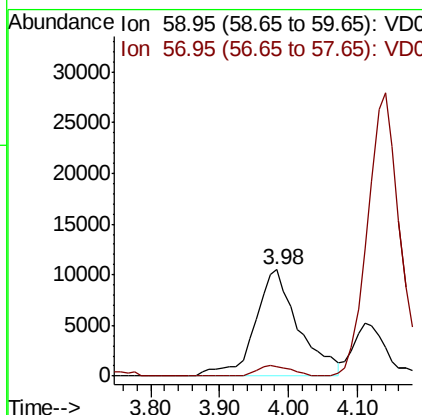
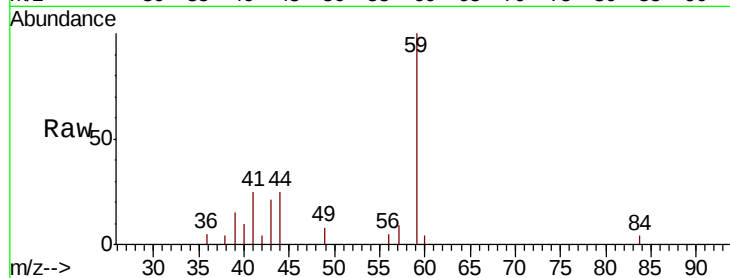


#11

Tert butyl alcohol
 Concen: 116.765 ug/l
 RT: 3.98 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

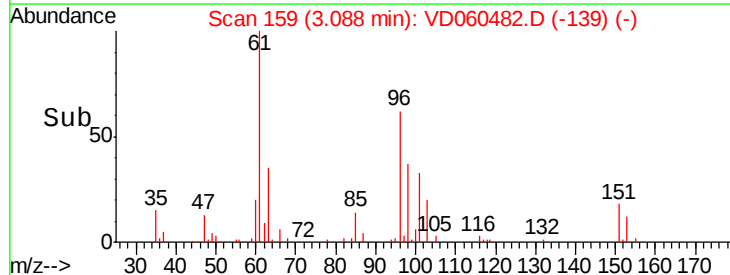
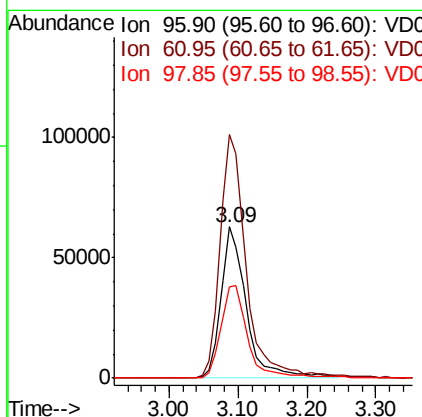
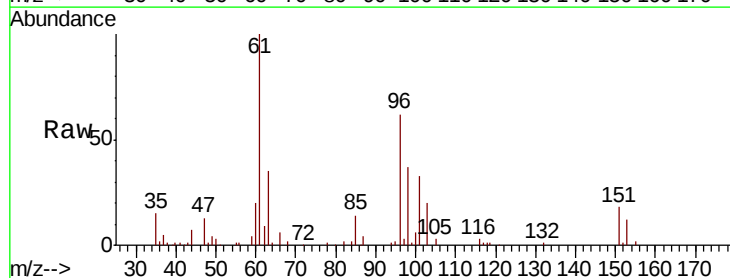
Tot Ion: 59 Resp: 46217
 Ion Ratio Lower Upper
 59 100
 57 8.8 9.3 13.9#

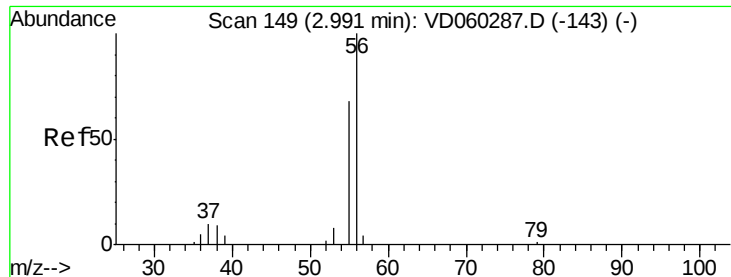


#12

1,1-Dichloroethene
 Concen: 24.482 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 96 Resp: 160814
 Ion Ratio Lower Upper
 96 100
 61 160.9 142.2 213.4
 98 60.3 52.6 79.0





#13

Acrolein

Concen: 69.135 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

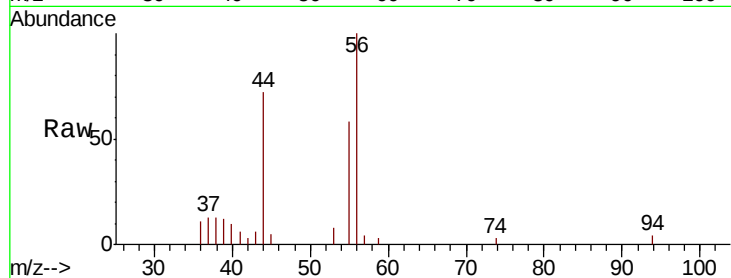
VD1204SBS01

Tot Ion: 56 Resp: 32334

Ion Ratio Lower Upper

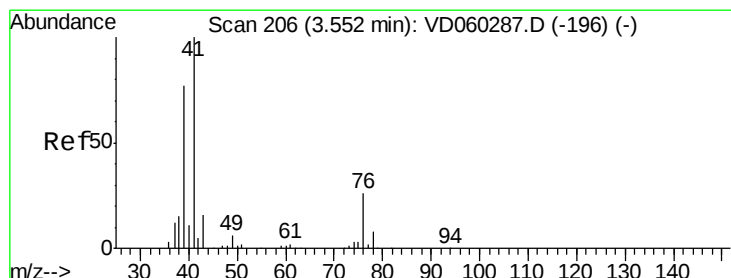
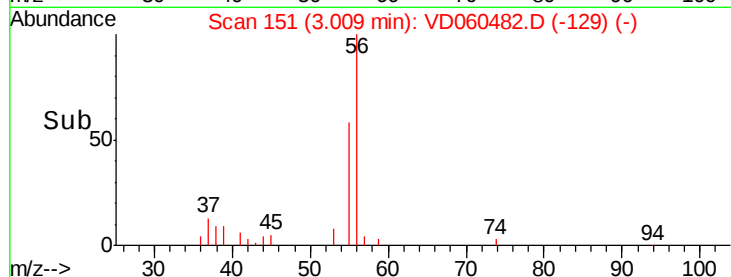
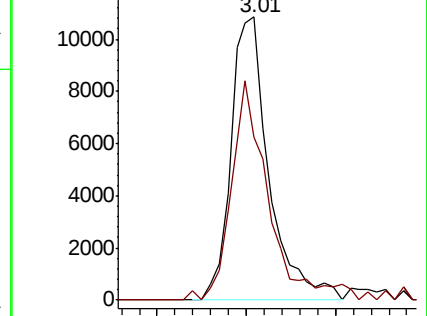
56 100

55 57.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.371 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

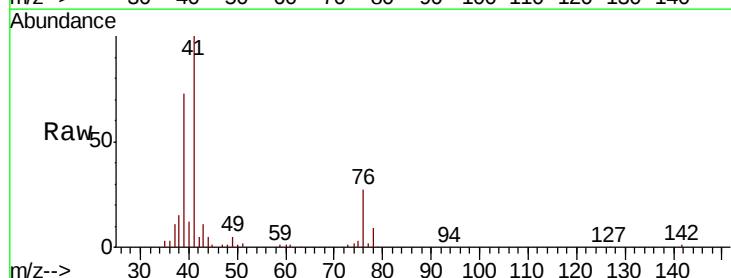
Tgt Ion: 41 Resp: 293735

Ion Ratio Lower Upper

41 100

39 73.4 60.4 90.6

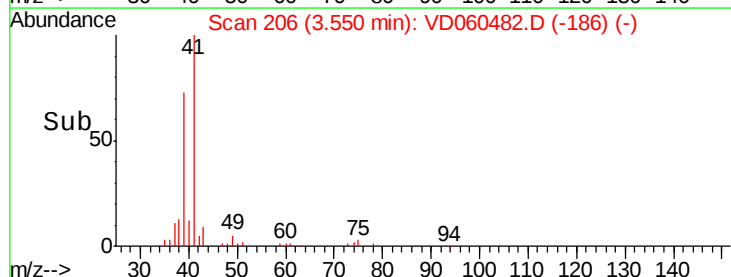
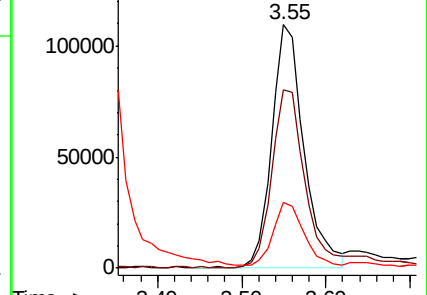
76 27.0 21.8 32.8



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: 108.427 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

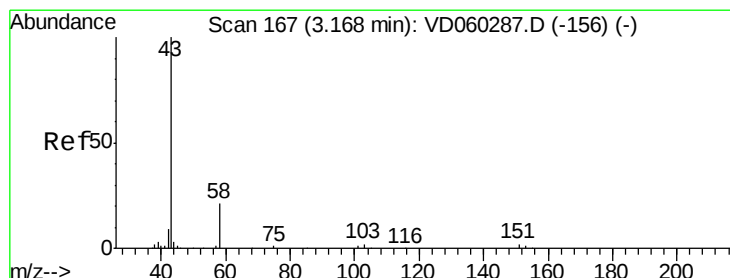
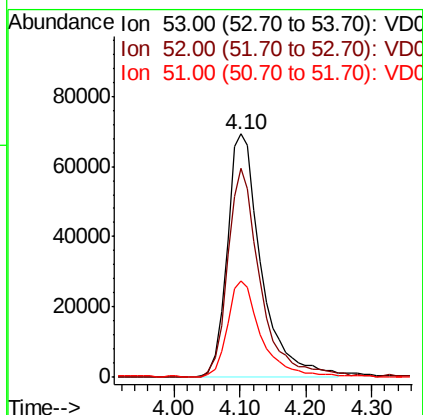
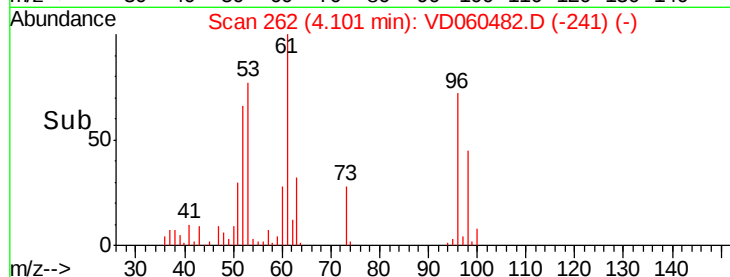
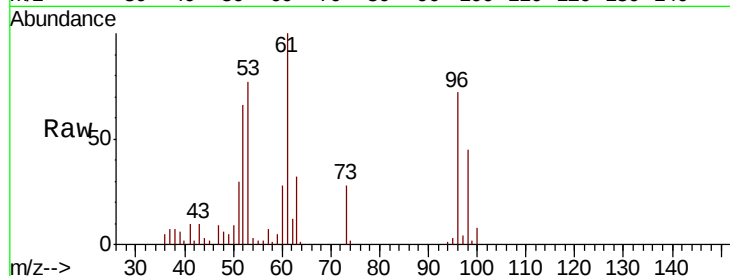
Tot Ion: 53 Resp: 250267

Ion Ratio Lower Upper

53 100

52 86.0 67.0 100.4

51 39.8 29.9 44.9



#16

Acetone

Concen: 120.075 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060482.D

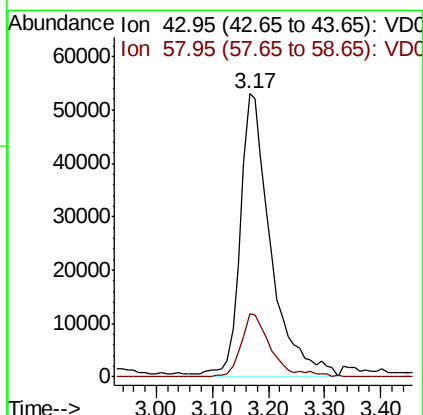
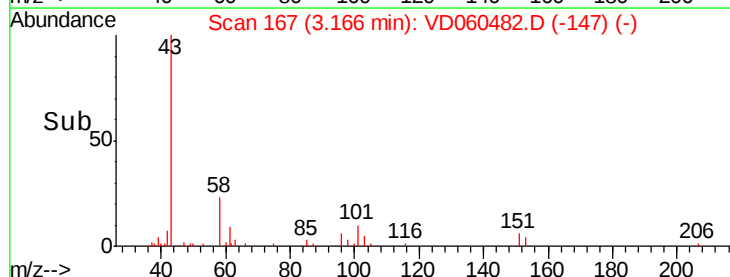
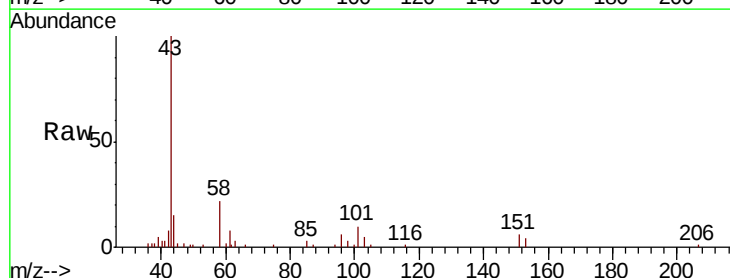
Acq: 4 Dec 2018 12:46

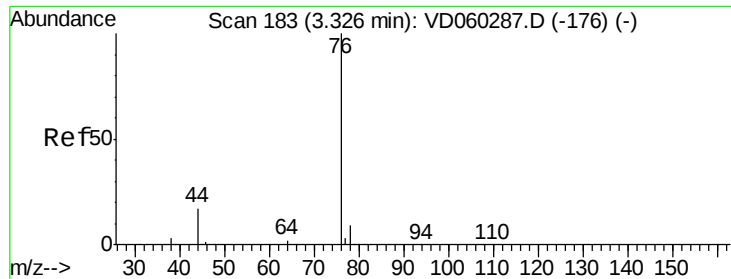
Tgt Ion: 43 Resp: 200763

Ion Ratio Lower Upper

43 100

58 22.3 16.9 25.3

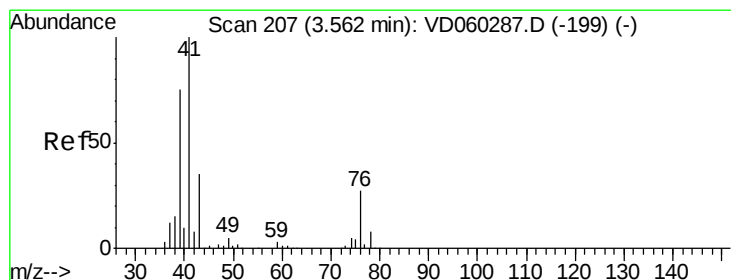
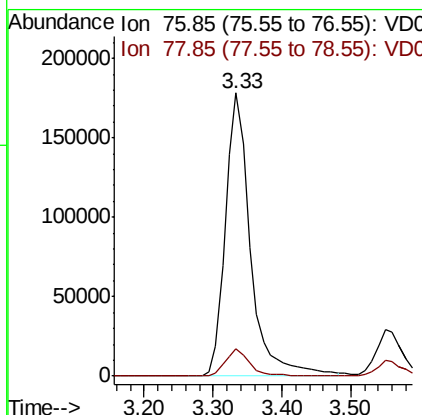
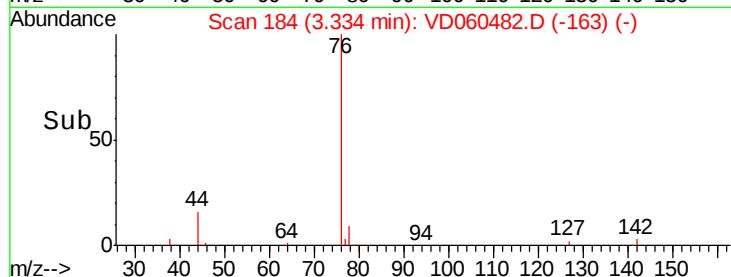
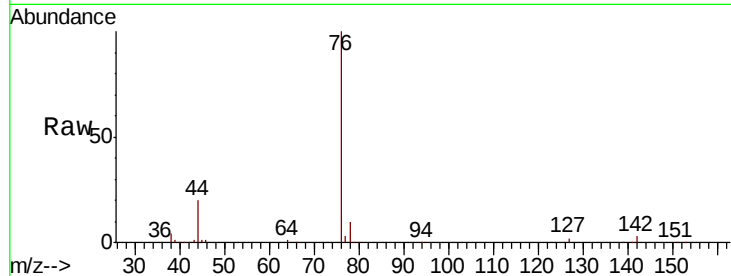




#17
Carbon Disulfide
Concen: 21.234 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

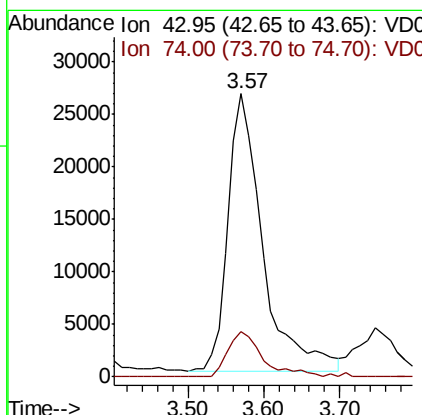
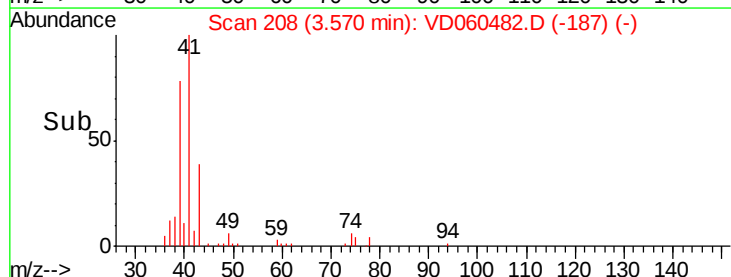
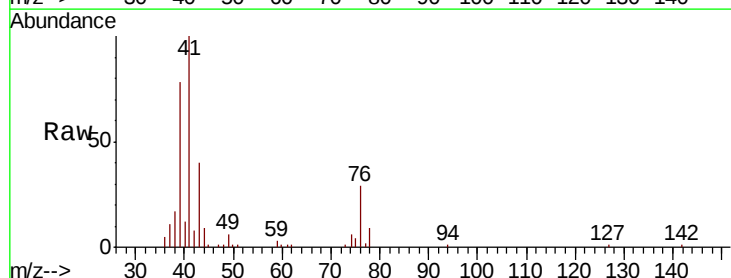
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

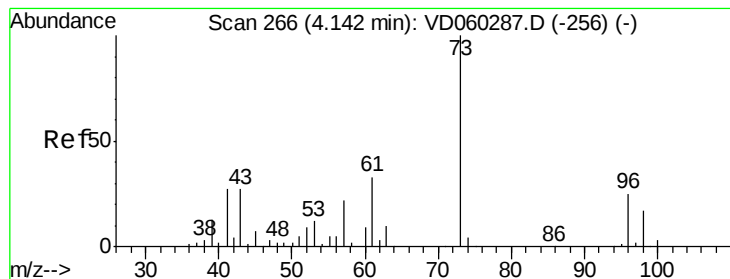
Tot Ion: 76 Resp: 450206
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4



#18
Methyl Acetate
Concen: 23.508 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 43 Resp: 83807
Ion Ratio Lower Upper
43 100
74 16.0 12.4 18.6



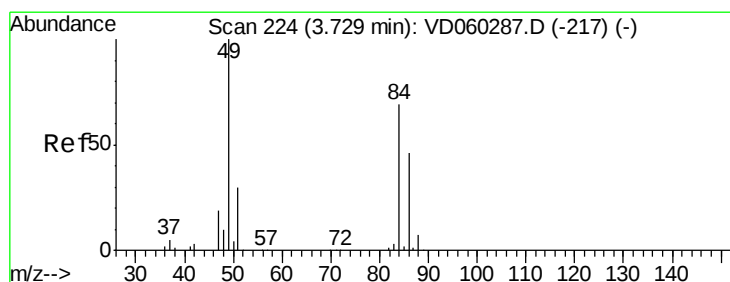
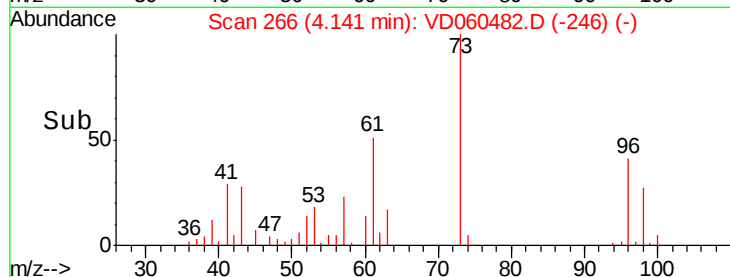
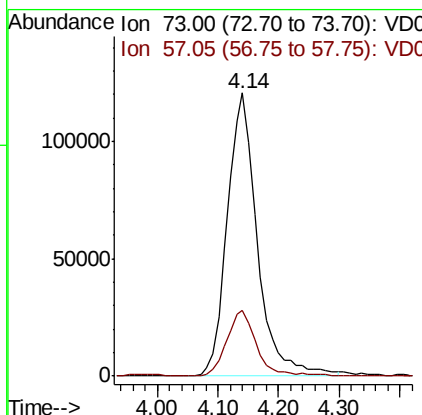
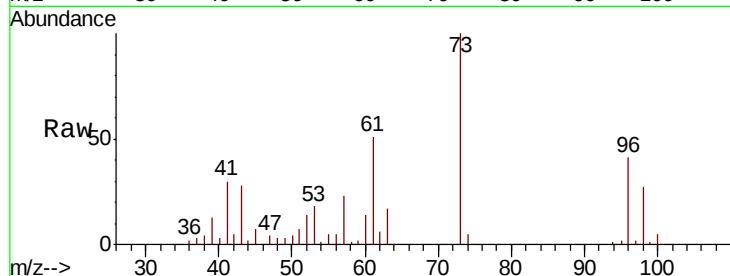


#19

Methyl tert-butyl Ether
 Concen: 21.167 ug/l
 RT: 4.14 min Scan# 266
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

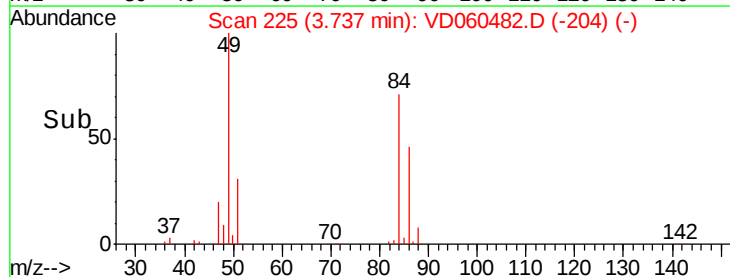
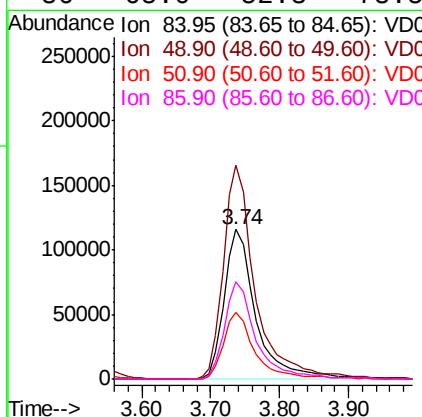
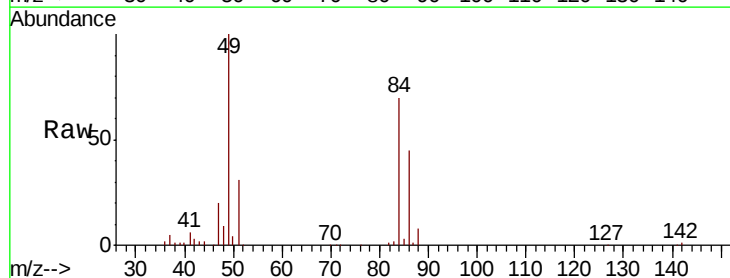
Tot Ion: 73 Resp: 416330
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.1 27.1

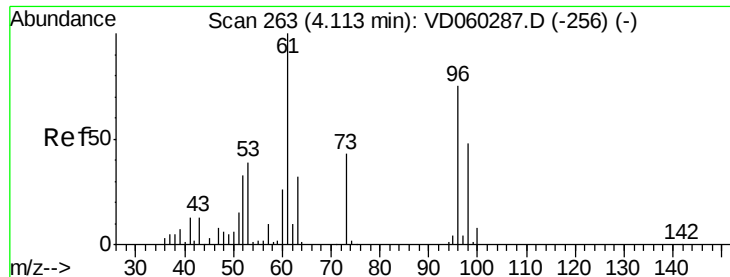


#20

Methylene Chloride
 Concen: 24.717 ug/l
 RT: 3.74 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 84 Resp: 366595
 Ion Ratio Lower Upper
 84 100
 49 142.9 115.6 173.4
 51 44.3 35.6 53.4
 86 65.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.518 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

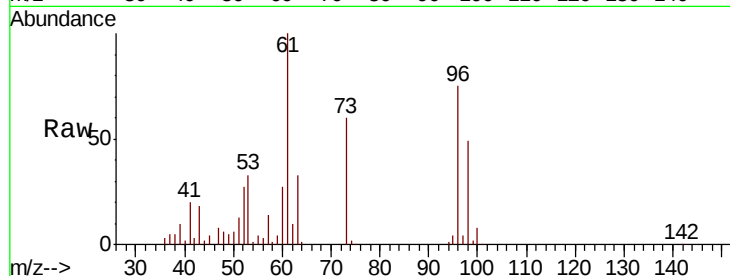
Tot Ion: 96 Resp: 313831

Ion Ratio Lower Upper

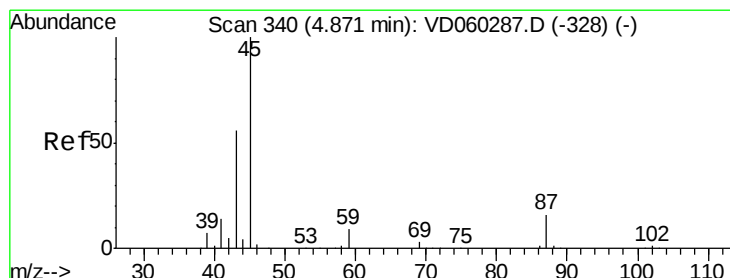
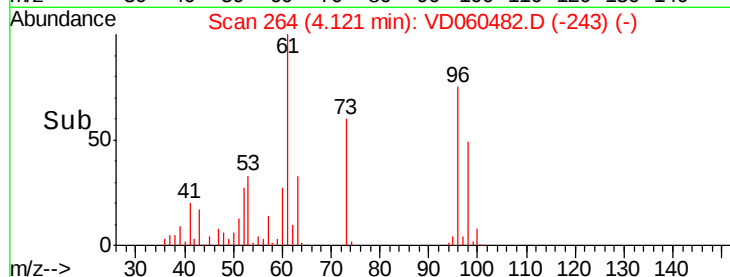
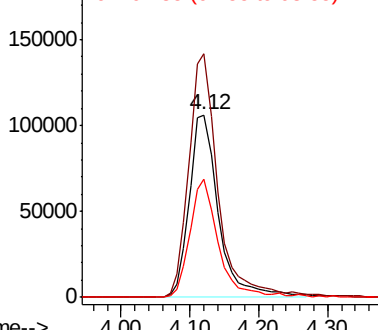
96 100

61 133.6 105.8 158.6

98 64.9 50.8 76.2



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: 21.927 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Tgt Ion: 45 Resp: 1029586

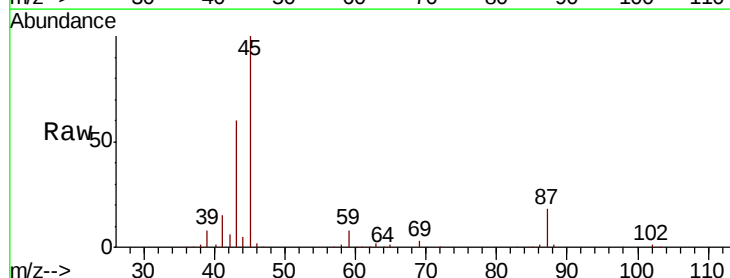
Ion Ratio Lower Upper

45 100

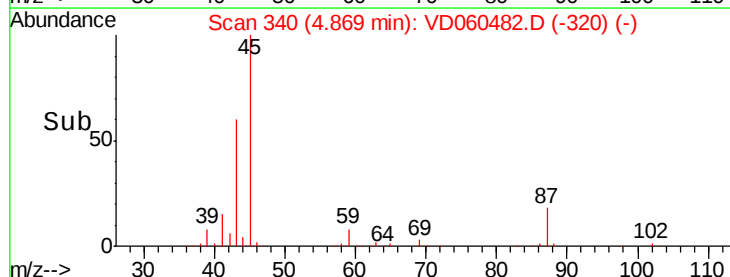
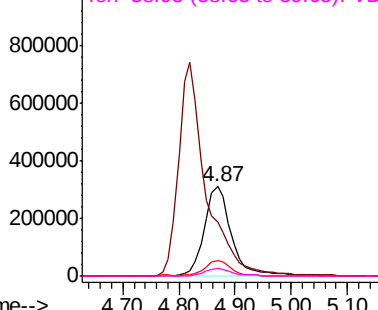
43 60.5 44.9 67.3

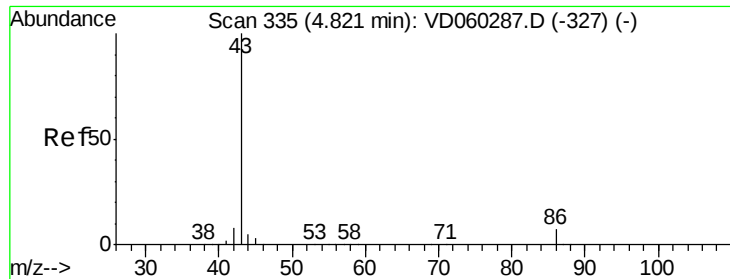
87 17.6 13.9 20.9

59 8.5 7.0 10.6



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

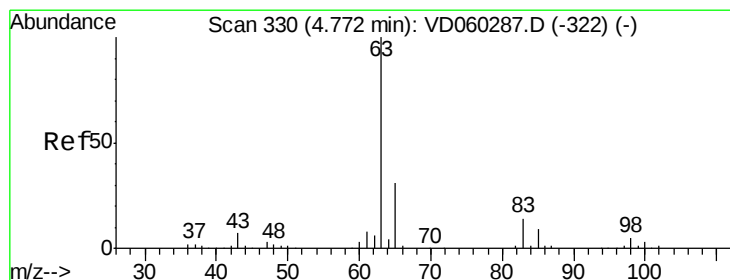
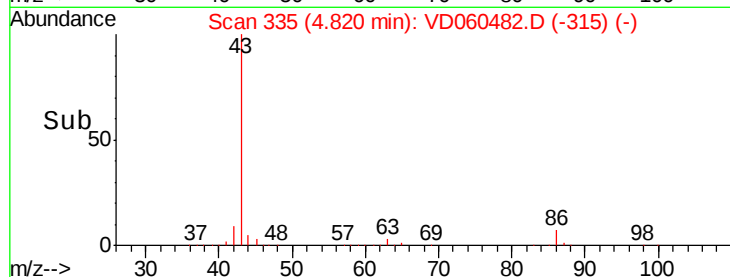
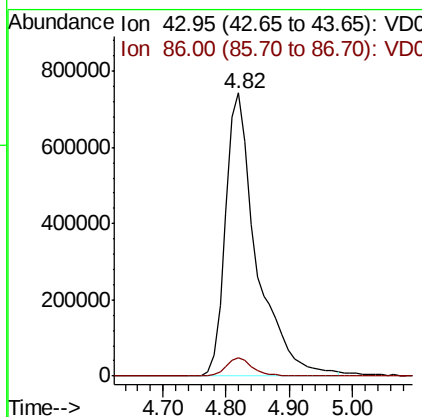
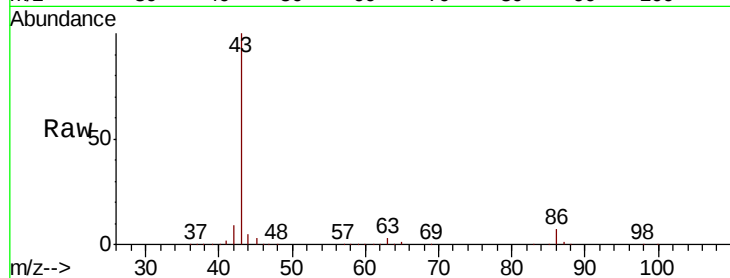




#23
 Vinyl Acetate
 Concen: 108.429 ug/l
 RT: 4.82 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

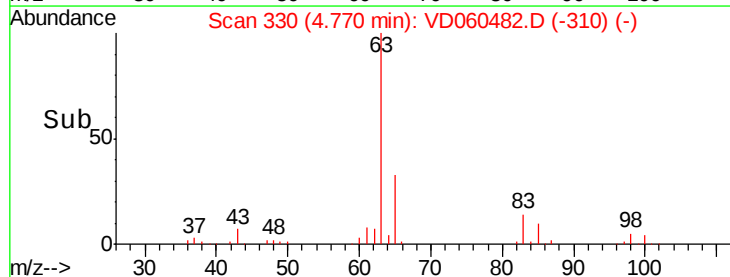
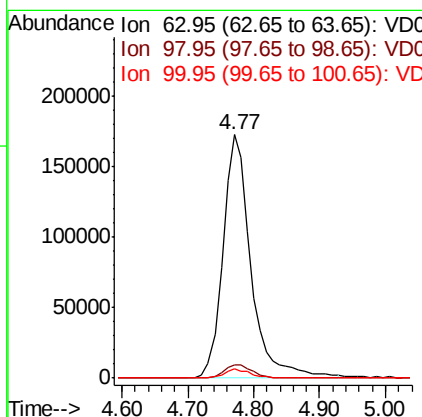
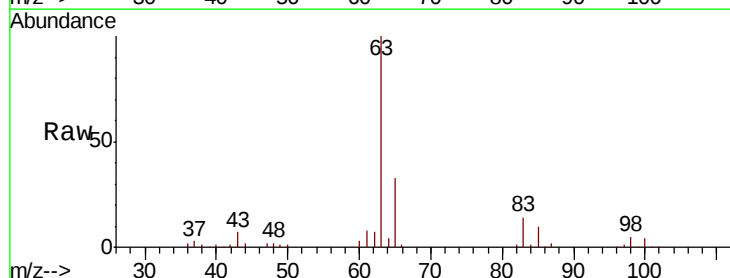
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion: 43 Resp: 2533359
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 21.269 ug/l
 RT: 4.77 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 63 Resp: 512120
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 4.1 1.8 5.5

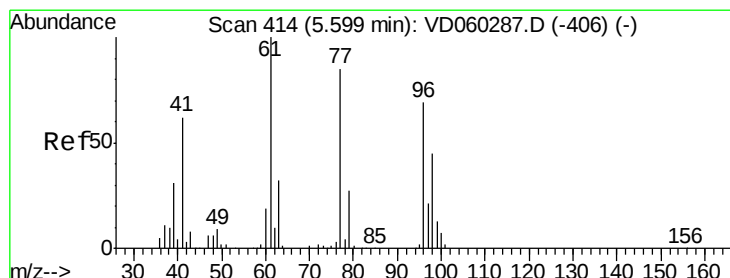
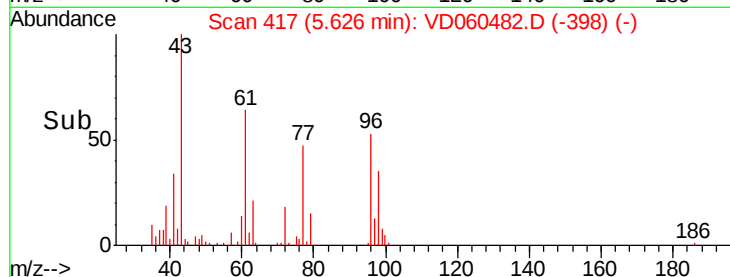
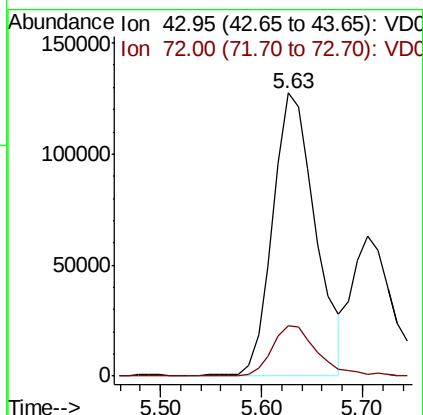
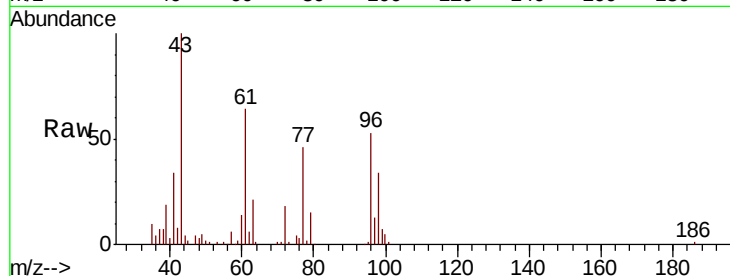




#25
2-Butanone
Concen: 107.252 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

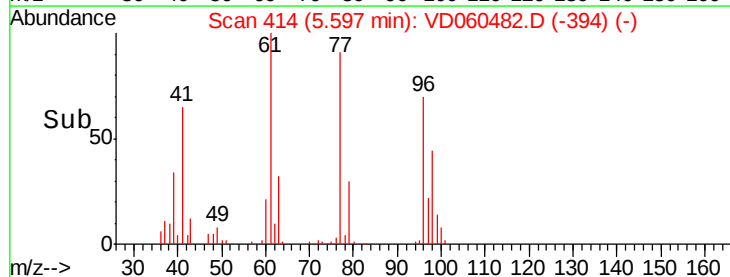
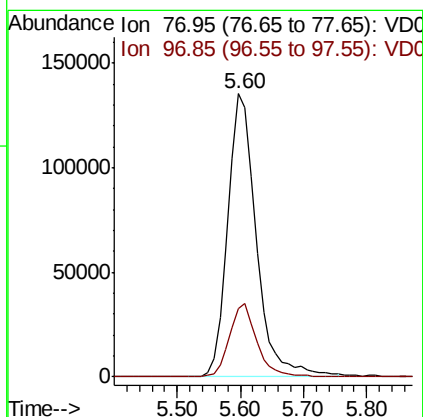
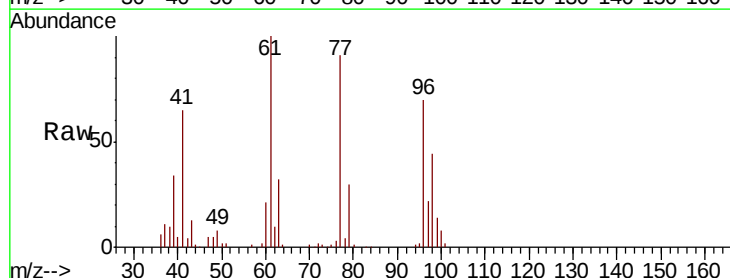
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 43 Resp: 372737
Ion Ratio Lower Upper
43 100
72 17.8 13.8 20.8



#26
2,2-Dichloropropane
Concen: 22.655 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 77 Resp: 424102
Ion Ratio Lower Upper
77 100
97 24.1 12.6 37.8



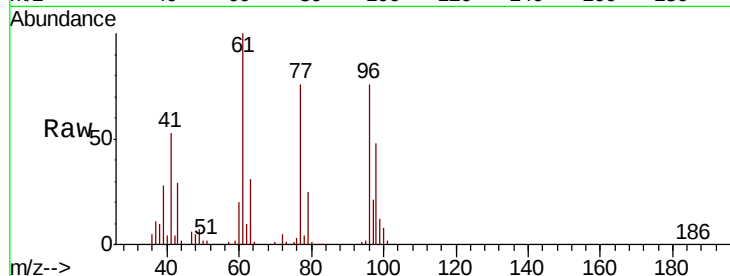


#27

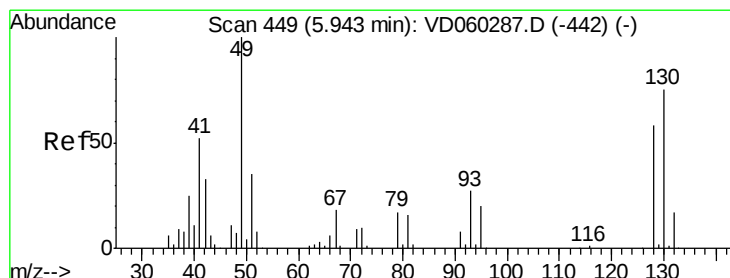
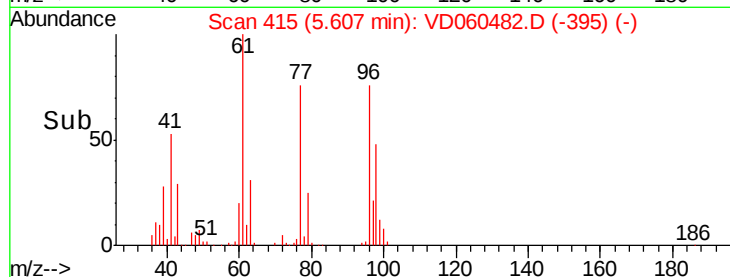
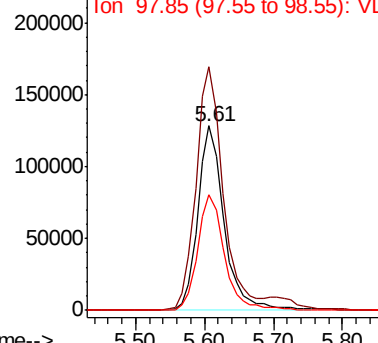
cis-1,2-Dichloroethene
 Concen: 22.372 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion: 96 Resp: 339919
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 259.0
 98 63.0 0.0 128.8



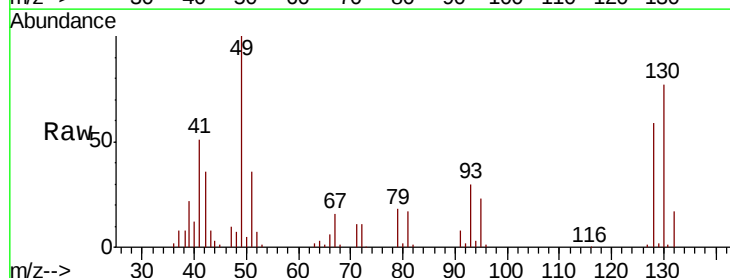
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



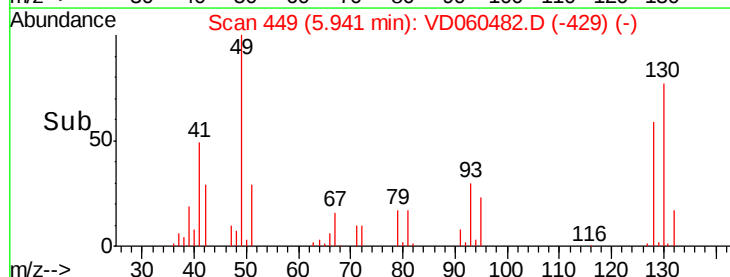
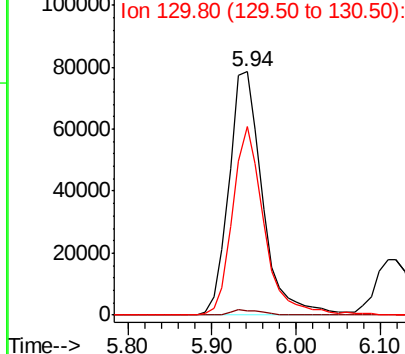
#28

Bromochloromethane
 Concen: 20.543 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 49 Resp: 218249
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 2.8
 130 77.2 53.6 80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

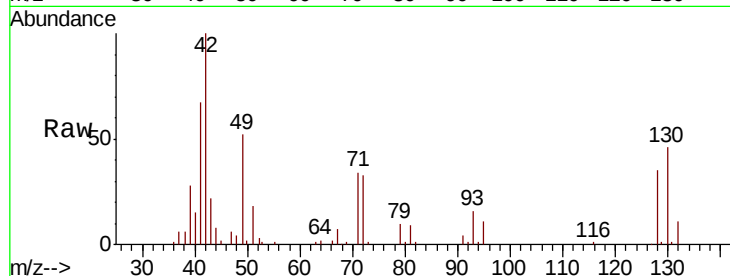




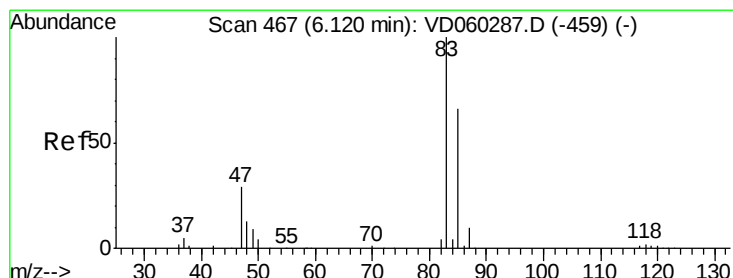
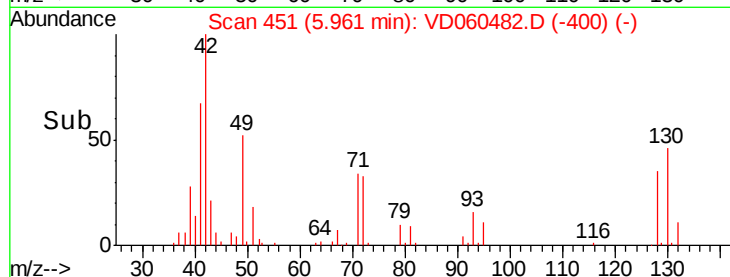
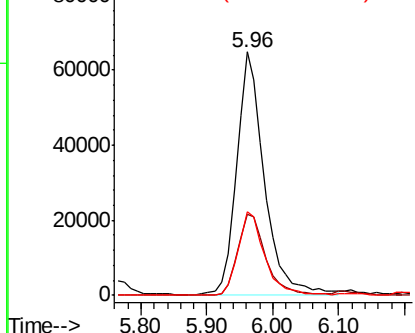
#29
Tetrahydrofuran
Concen: 104.798 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 42 Resp: 192020
Ion Ratio Lower Upper
42 100
72 33.7 27.6 41.4
71 32.8 26.5 39.7

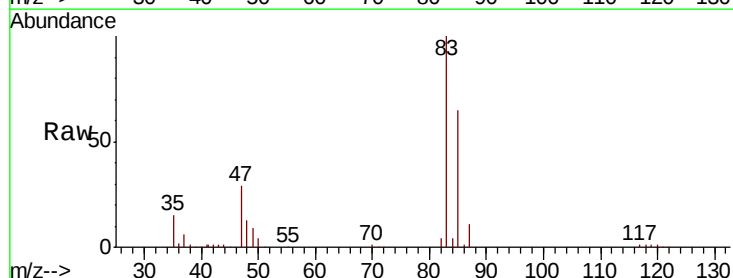


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

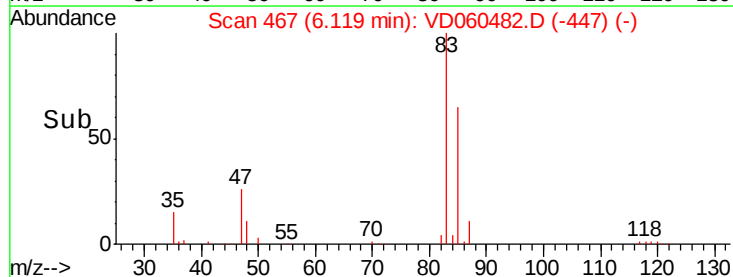
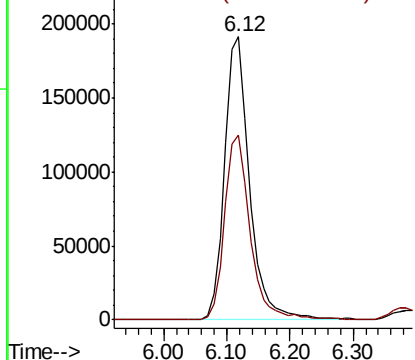


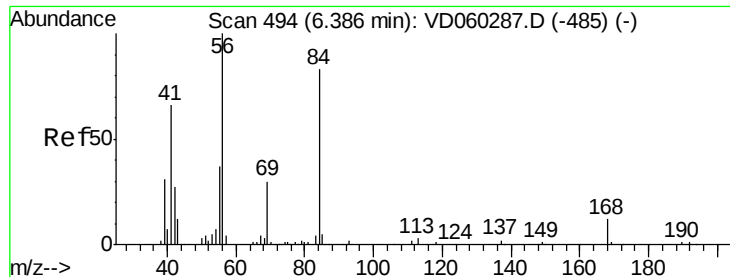
#30
Chloroform
Concen: 21.801 ug/l
RT: 6.12 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 83 Resp: 524773
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7



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

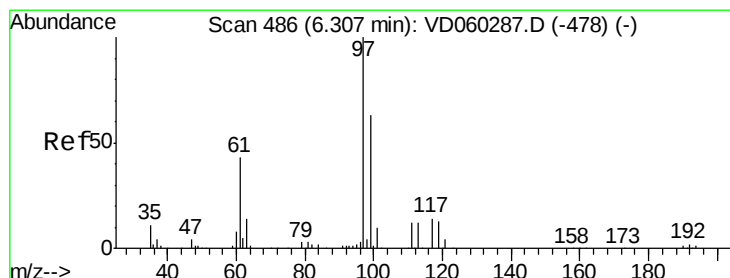
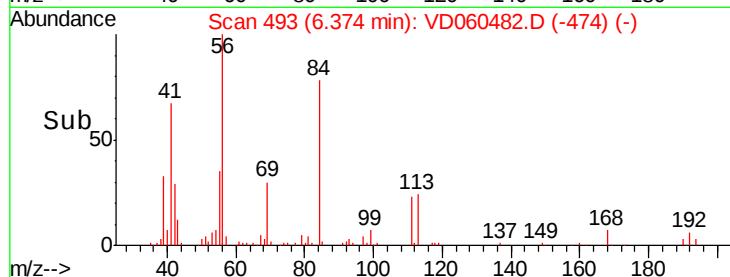
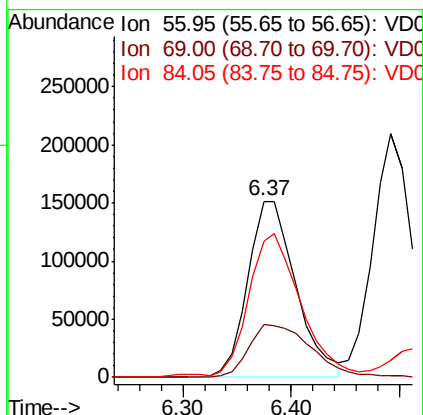
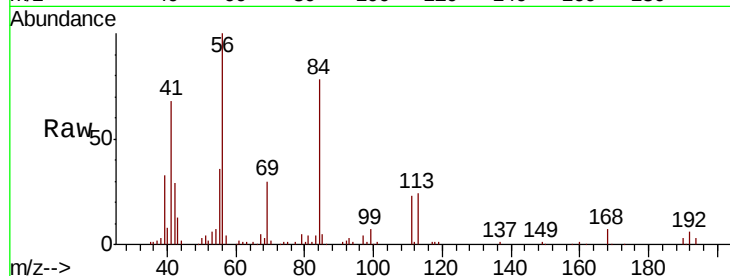




#31
Cyclohexane
Concen: 20.333 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

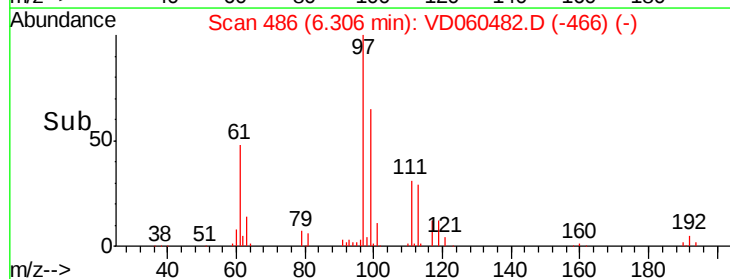
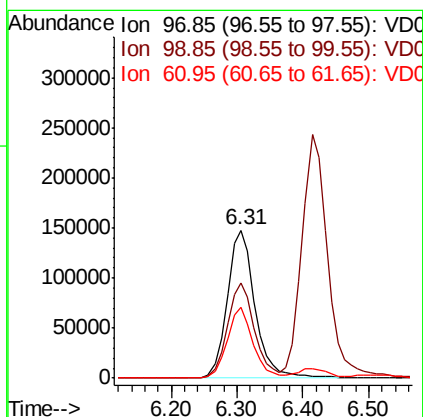
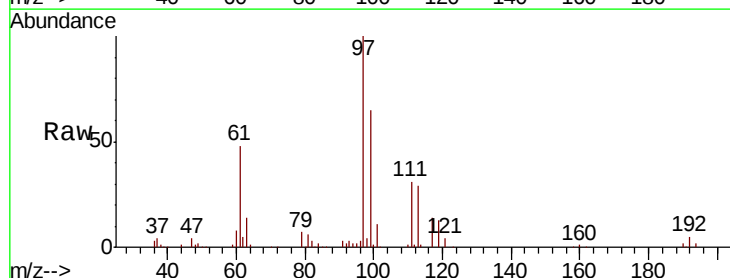
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

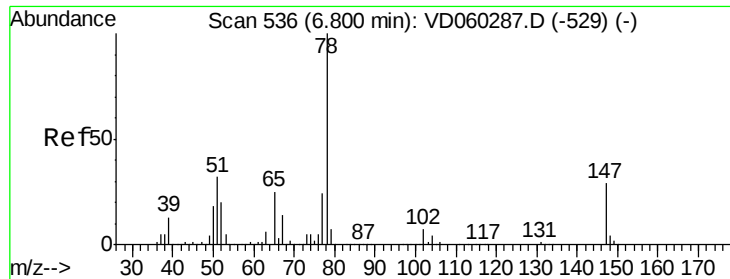
Tot Ion: 56 Resp: 467955
Ion Ratio Lower Upper
56 100
69 30.3 22.2 33.2
84 77.7 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 21.514 ug/l
RT: 6.31 min Scan# 486
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 97 Resp: 436228
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 47.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 21.514 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

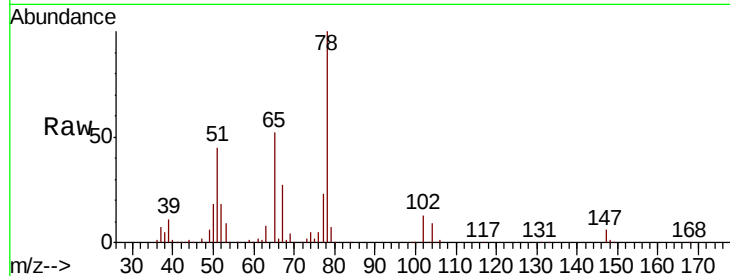
VD1204SBS01

Tot Ion: 65 Resp: 479344

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

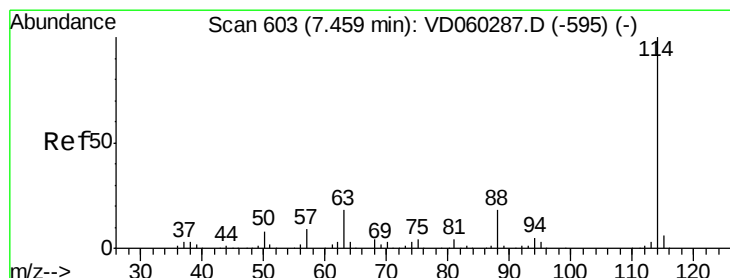
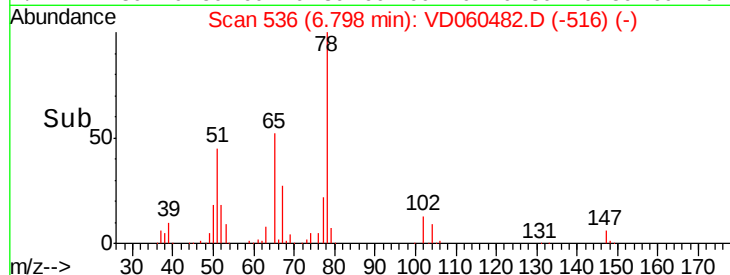
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

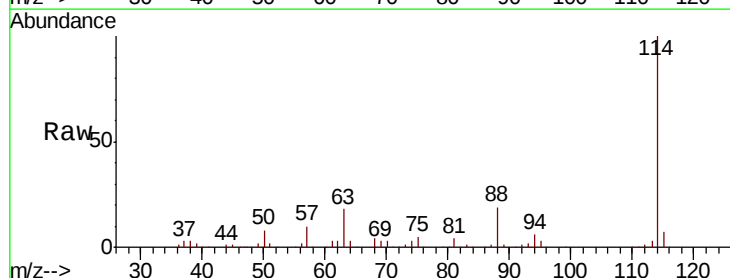
Tgt Ion:114 Resp: 1787852

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

88 18.5 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.45

800000

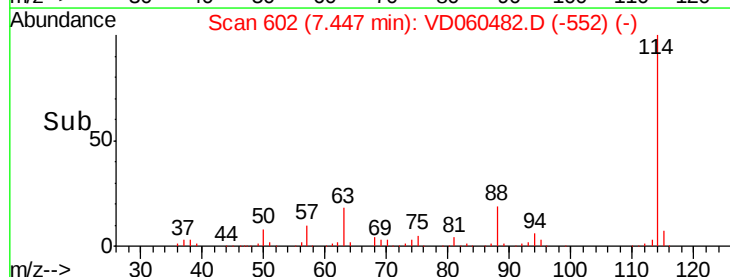
600000

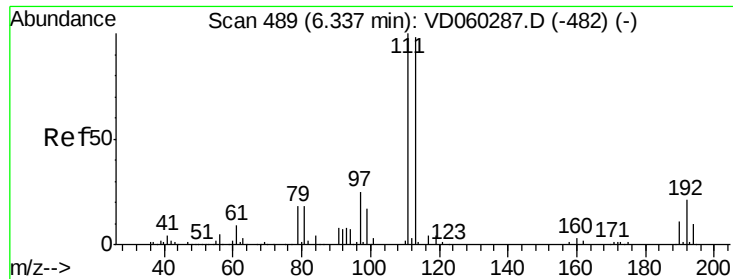
400000

200000

0

Time-->

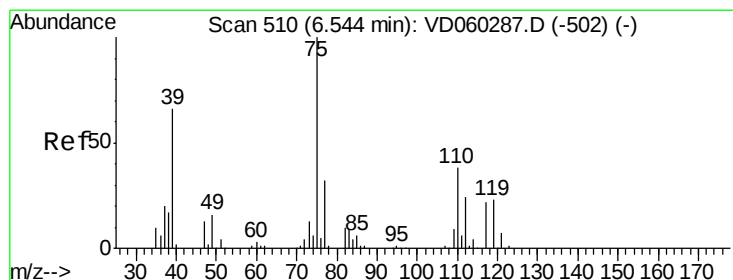
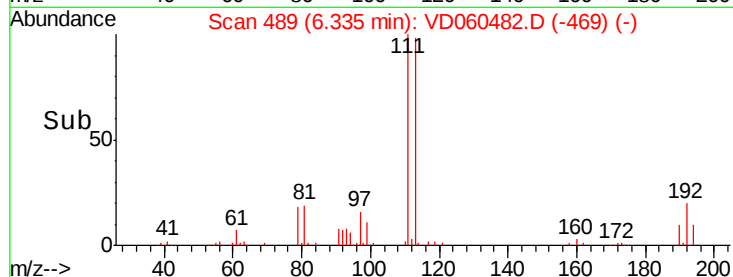
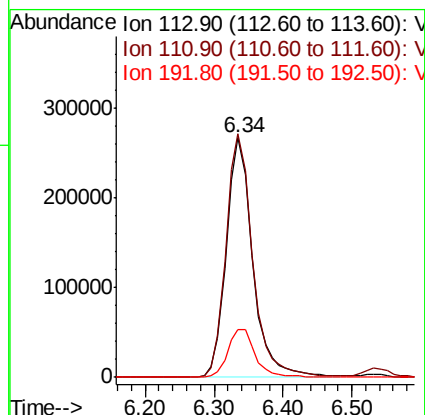
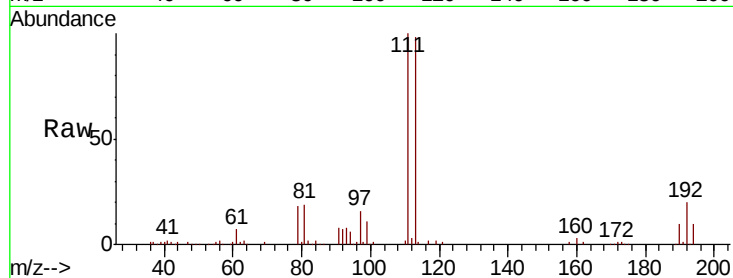




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

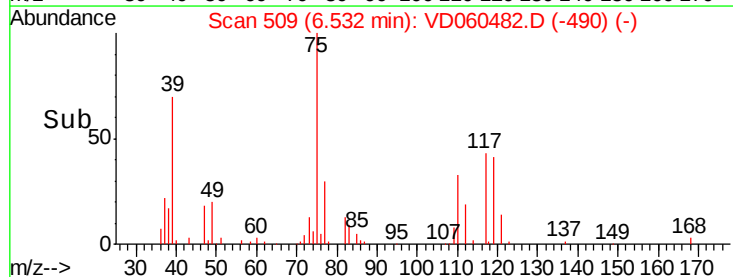
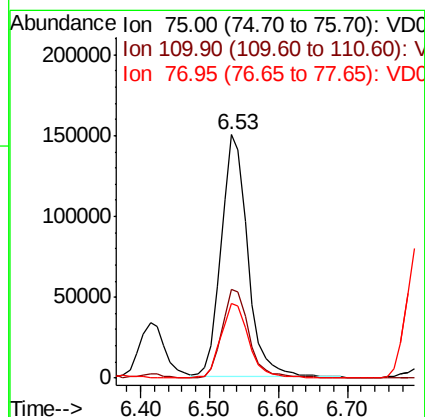
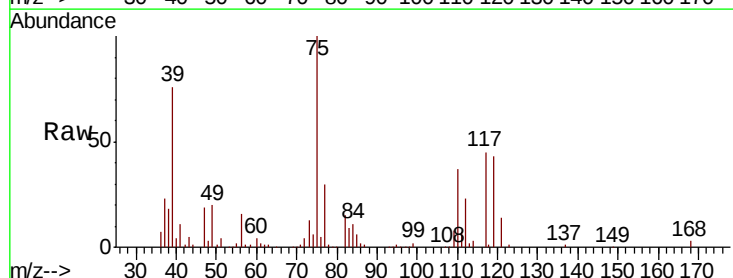
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

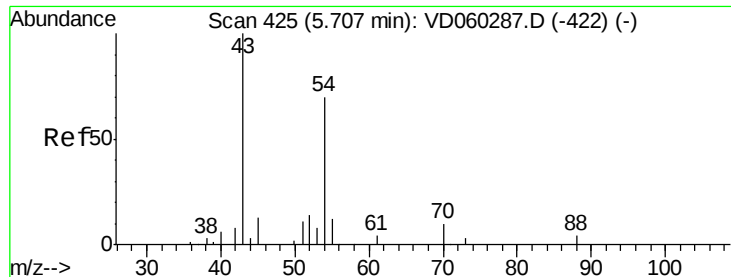
Tot Ion:113 Resp: 711561
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 19.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 22.662 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 75 Resp: 400287
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.0 54.0
 77 30.4 25.6 38.4

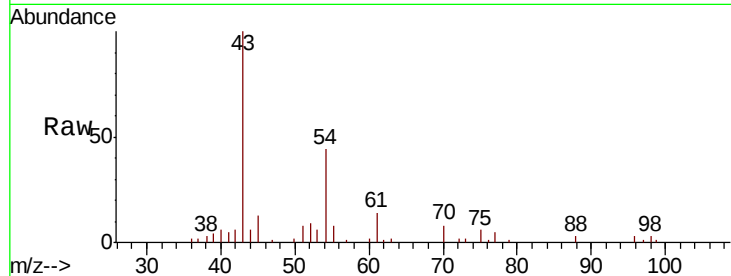




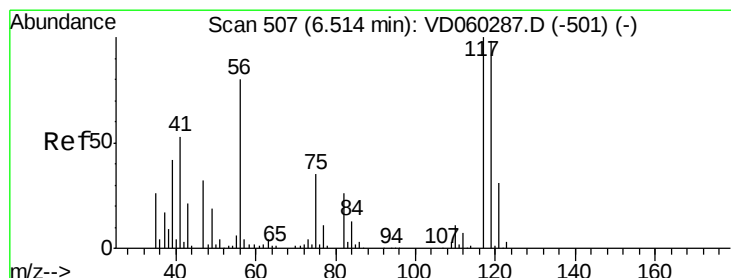
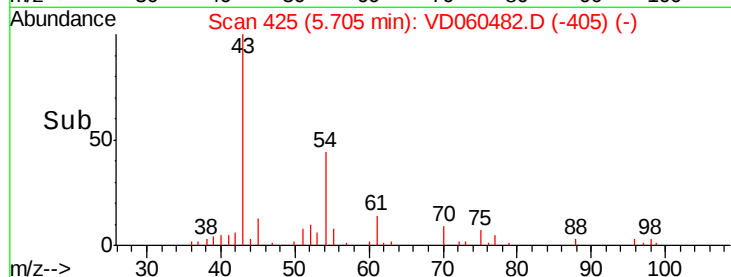
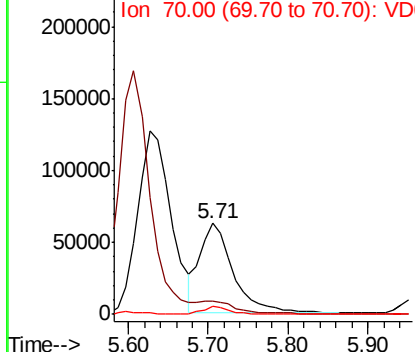
#37
Ethyl Acetate
Concen: 22.360 ug/l
RT: 5.71 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 43 Resp: 181742
Ion Ratio Lower Upper
43 100
61 13.9 11.8 17.6
70 8.5 6.2 9.4

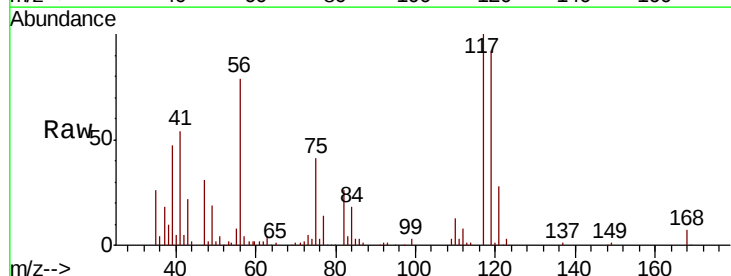


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

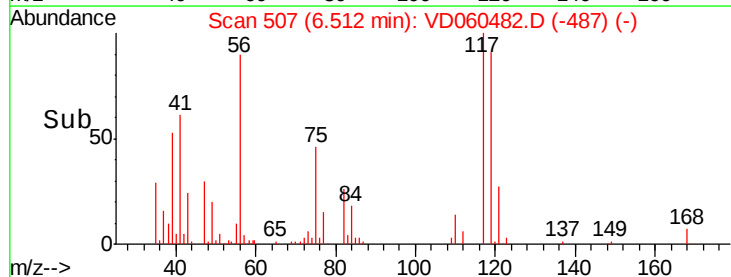
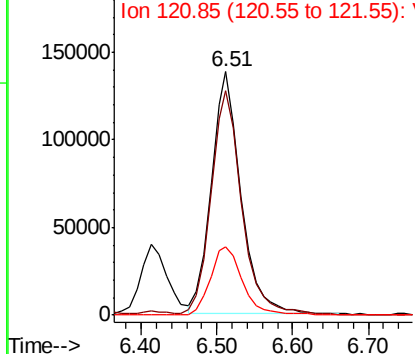


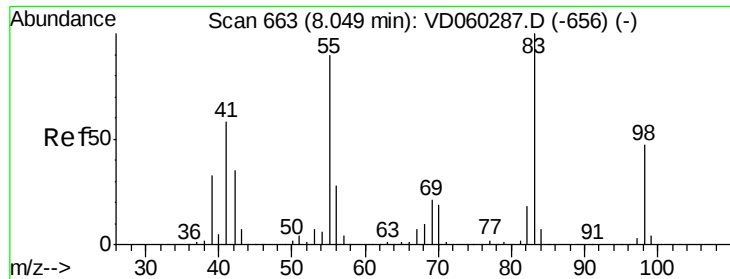
#38
Carbon Tetrachloride
Concen: 23.079 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 117 Resp: 378146
Ion Ratio Lower Upper
117 100
119 92.1 76.6 115.0
121 28.2 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

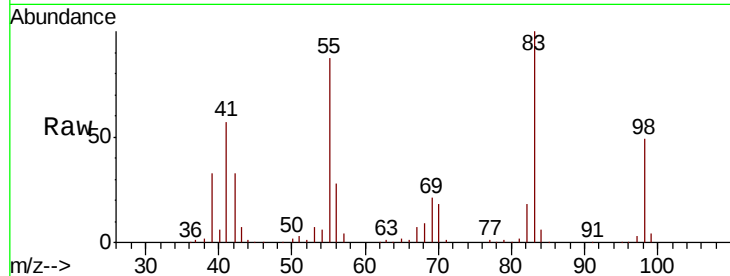




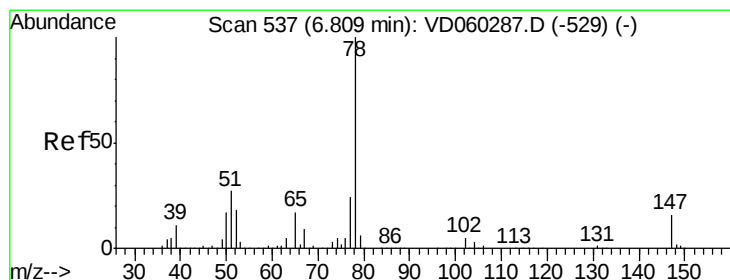
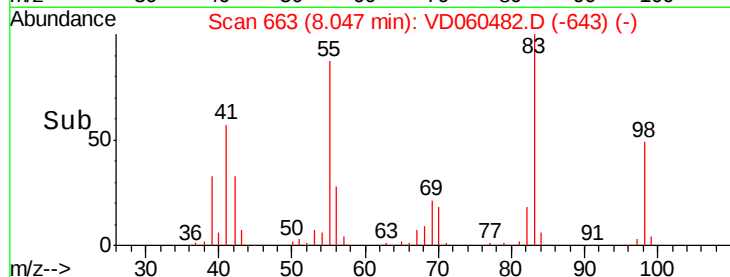
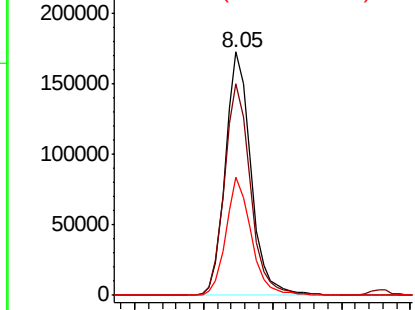
#39
Methvlcvclohexane
Concen: 21.940 ug/l
RT: 8.05 min Scan# 663
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 83 Resp: 445722
Ion Ratio Lower Upper
83 100
55 86.9 71.2 106.8
98 48.7 38.4 57.6

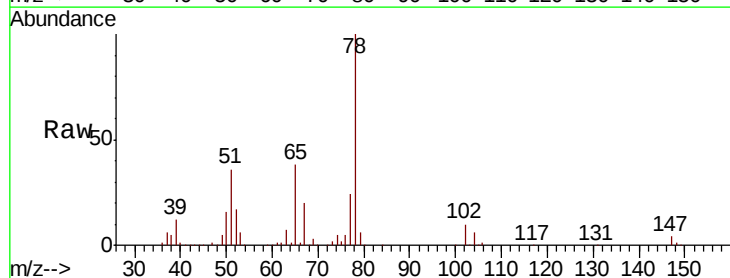


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

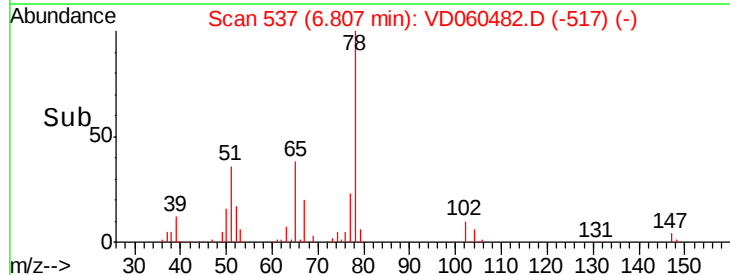
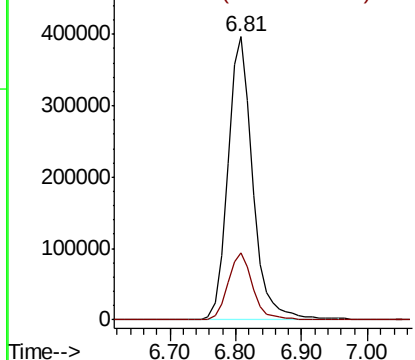


#40
Benzene
Concen: 23.267 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 78 Resp: 1049045
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



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





#41

Methacrylonitrile

Concen: 22.604 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 41 Resp: 210283

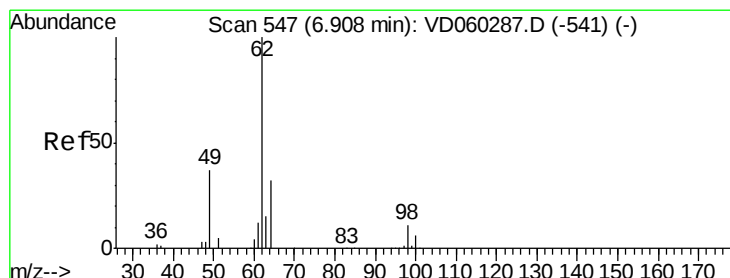
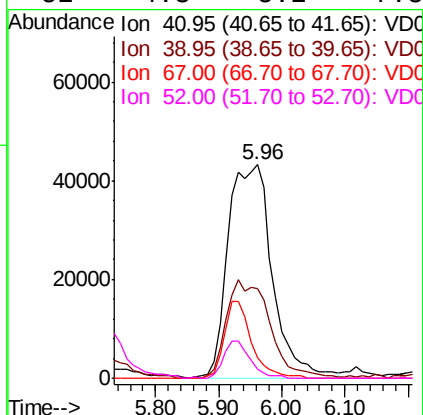
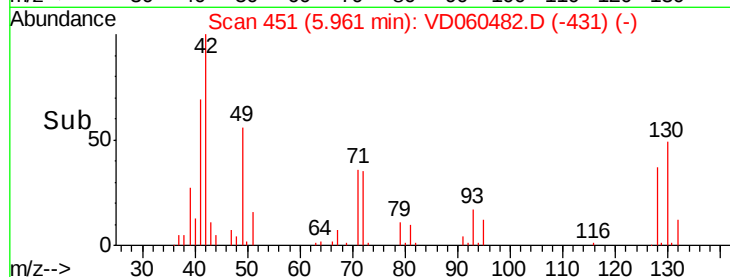
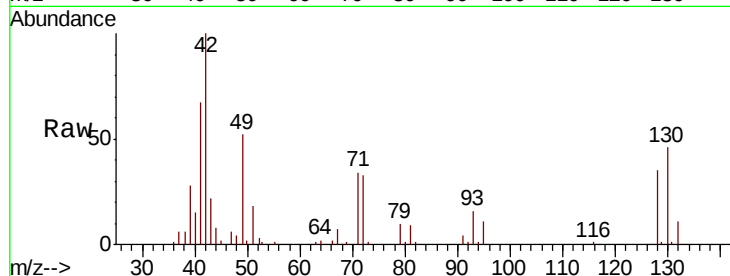
Ion Ratio Lower Upper

41 100

39 41.8 36.2 54.2

67 9.8 11.9 17.9#

52 4.3 5.2 7.8#



#42

1,2-Dichloroethane

Concen: 21.613 ug/l

RT: 6.91 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD060482.D

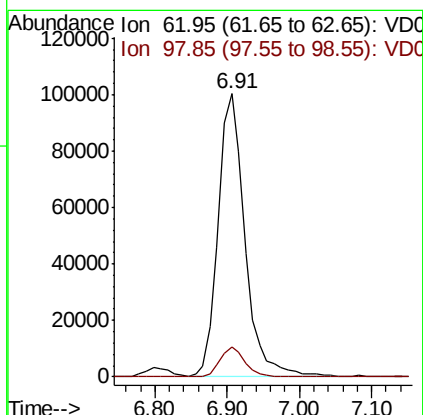
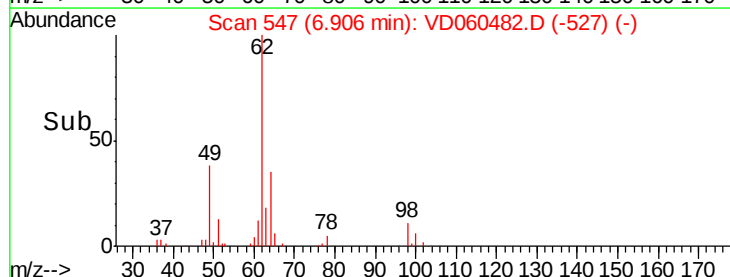
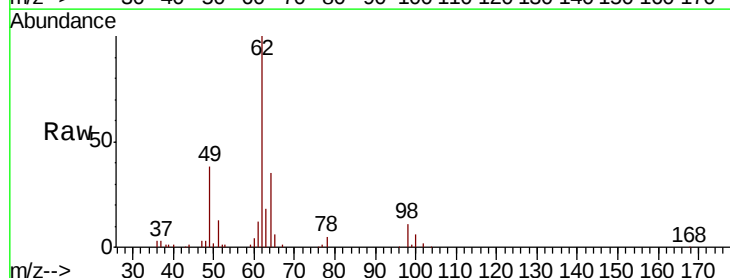
Acq: 4 Dec 2018 12:46

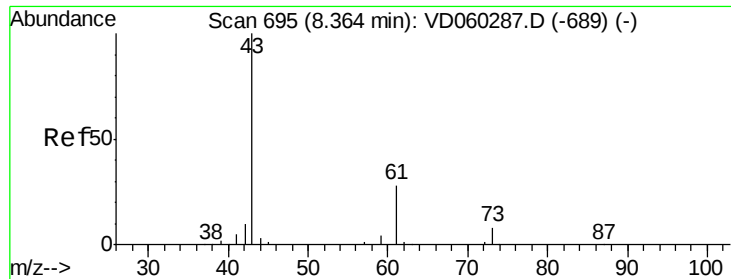
Tgt Ion: 62 Resp: 255066

Ion Ratio Lower Upper

62 100

98 10.7 0.0 22.0



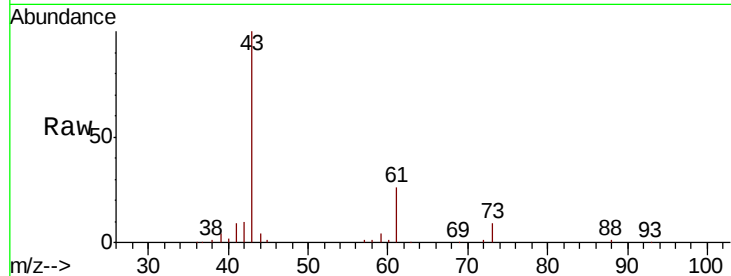


#43

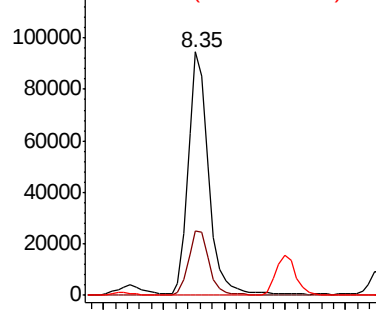
Isopropyl Acetate
 Concen: 21.805 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

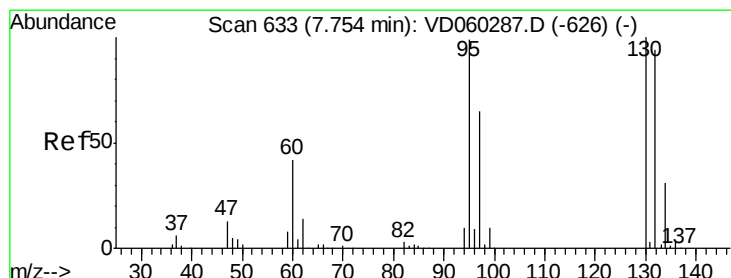
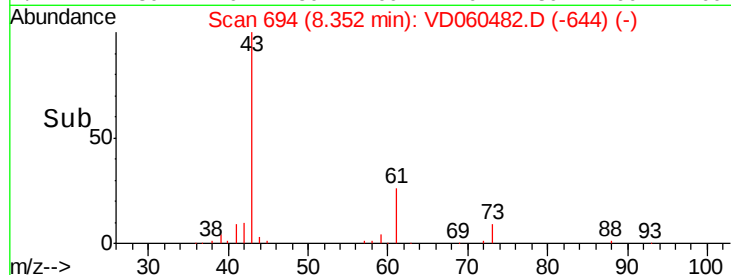
Tot Ion: 43 Resp: 222623
 Ion Ratio Lower Upper
 43 100
 61 26.4 22.3 33.5
 87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



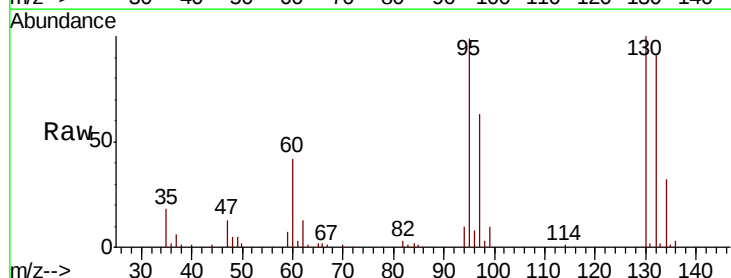
Time-->



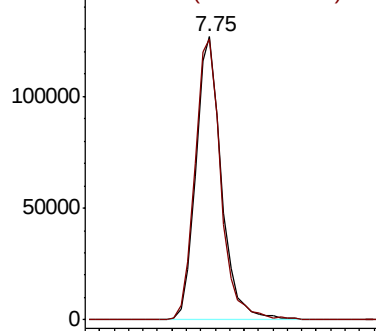
#44

Trichloroethene
 Concen: 22.788 ug/l
 RT: 7.75 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

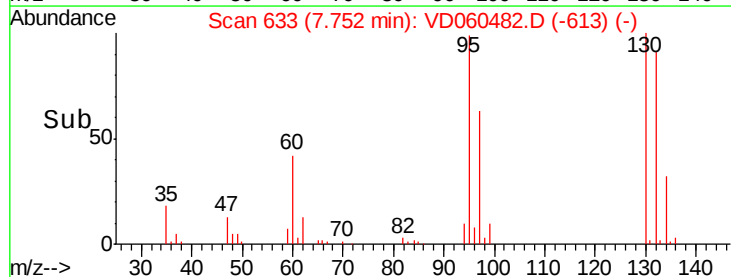
Tgt Ion:130 Resp: 311458
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 200.0

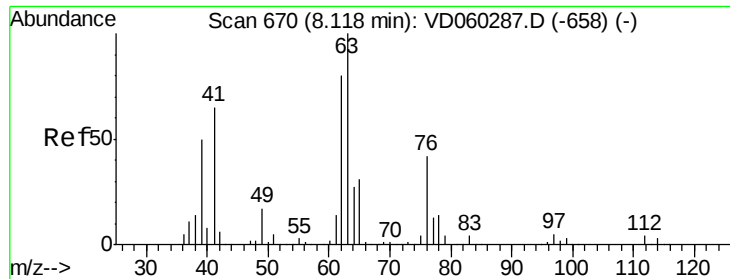


Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC



Time-->

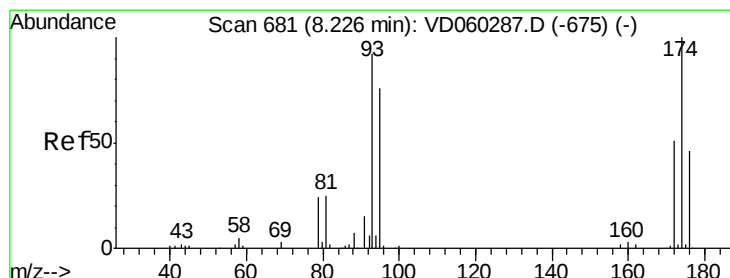
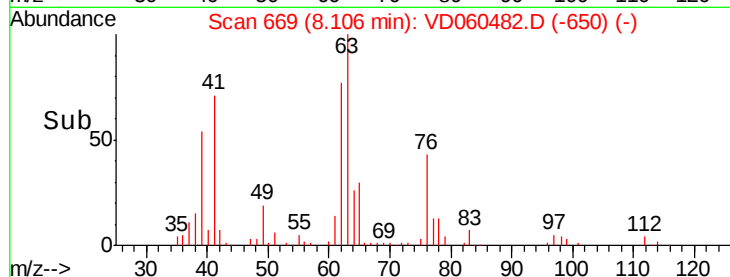
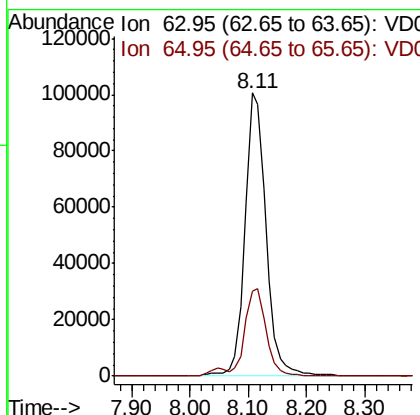
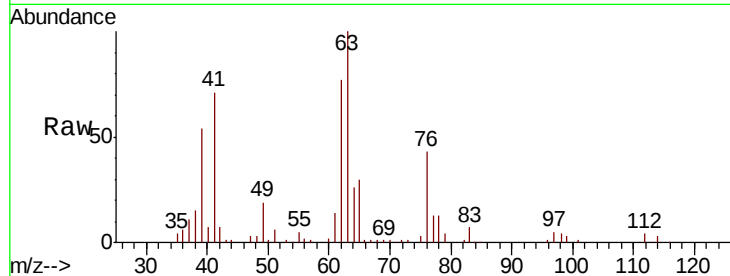




#45
 1,2-Dichloropropane
 Concen: 22.322 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

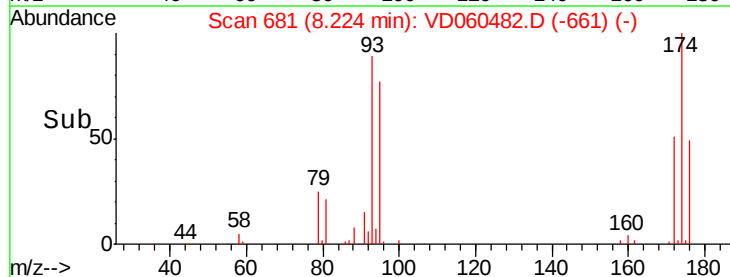
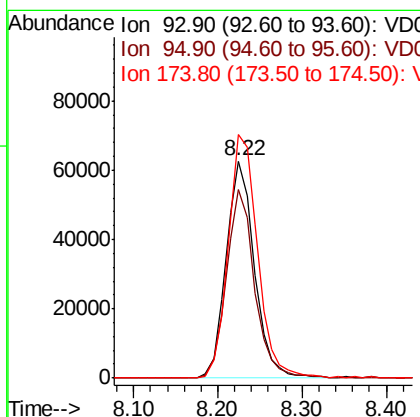
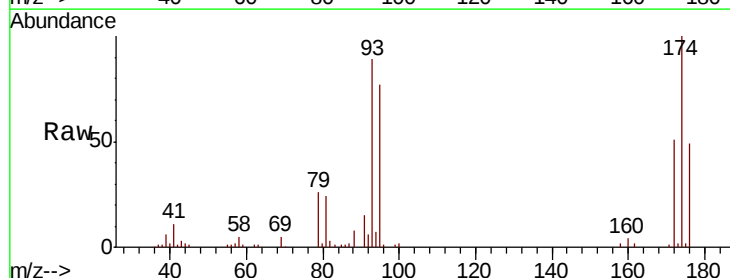
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

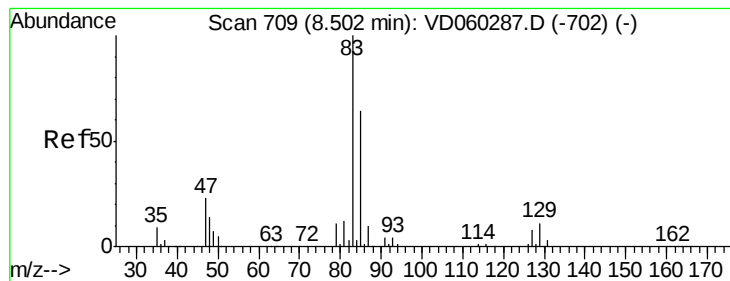
Tot Ion: 63 Resp: 253821
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.4 35.2



#46
 Dibromomethane
 Concen: 21.906 ug/l
 RT: 8.22 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 93 Resp: 145892
 Ion Ratio Lower Upper
 93 100
 95 86.8 66.4 99.6
 174 112.3 87.8 131.8





#47

Bromodichloromethane

Concen: 22.815 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

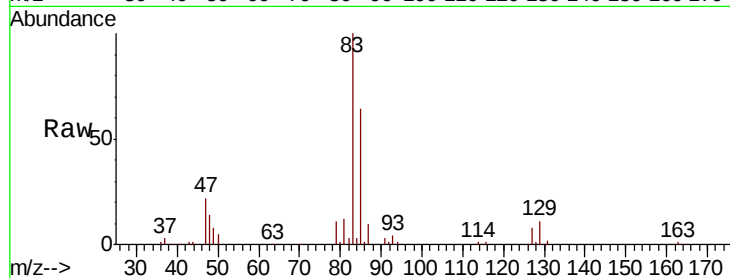
Tot Ion: 83 Resp: 358056

Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.6

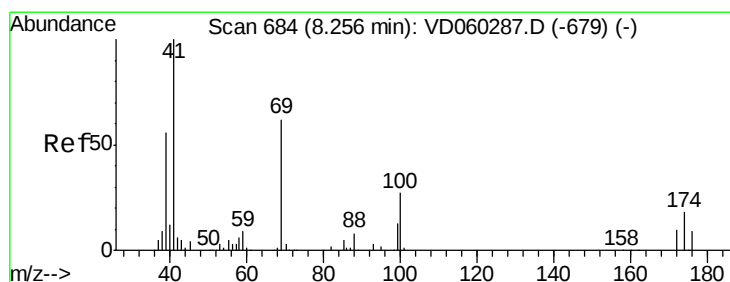
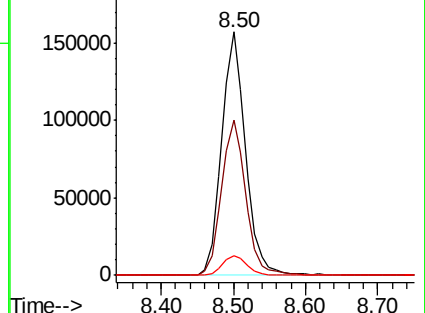
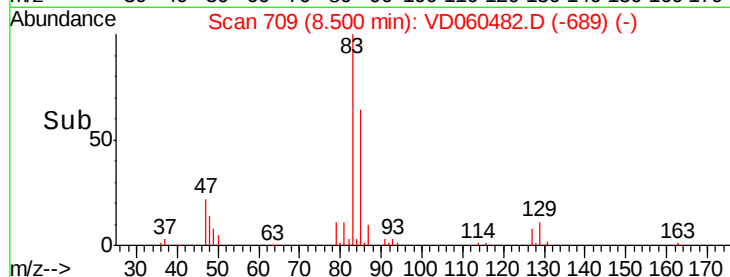
127 8.3 6.2 9.4



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: 20.757 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

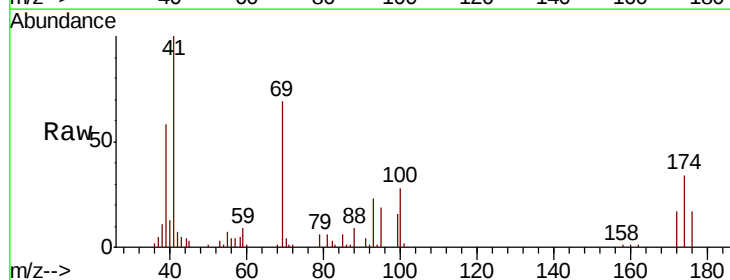
Tgt Ion: 41 Resp: 128723

Ion Ratio Lower Upper

41 100

69 68.7 47.0 70.4

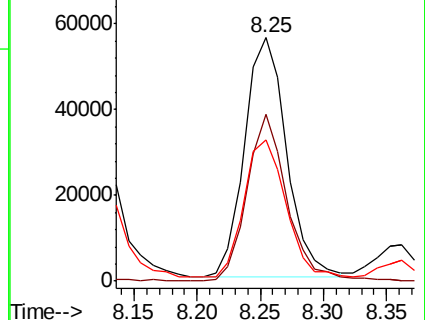
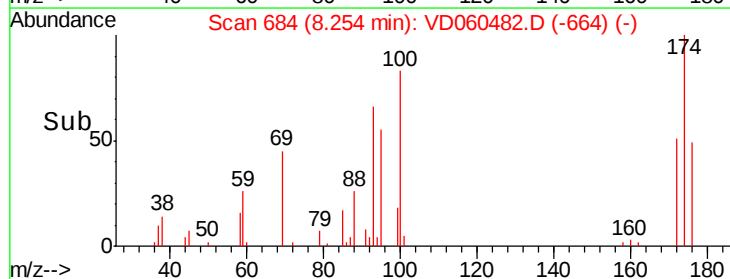
39 58.0 46.2 69.4

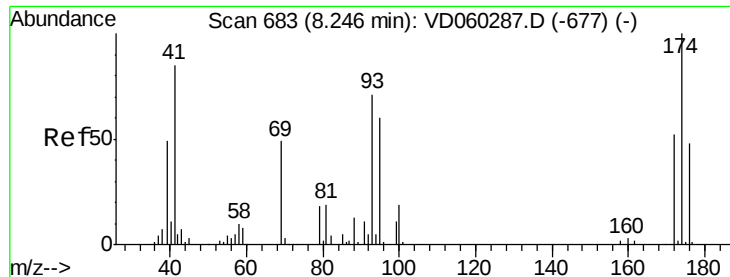


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 471.581 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

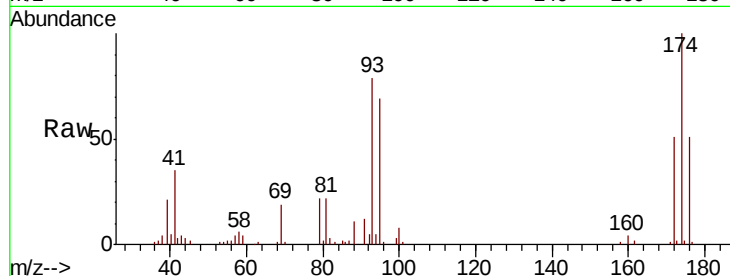
Tot Ion: 88 Resp: 25304

Ion Ratio Lower Upper

88 100

43 39.5 39.7 59.5#

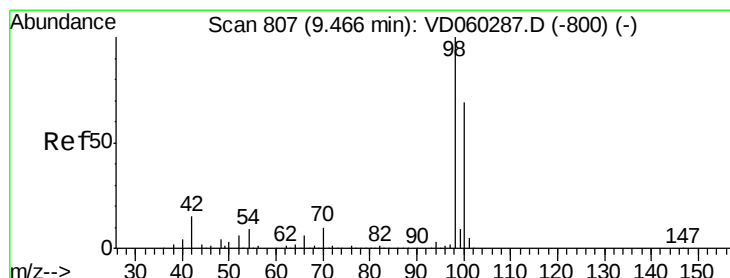
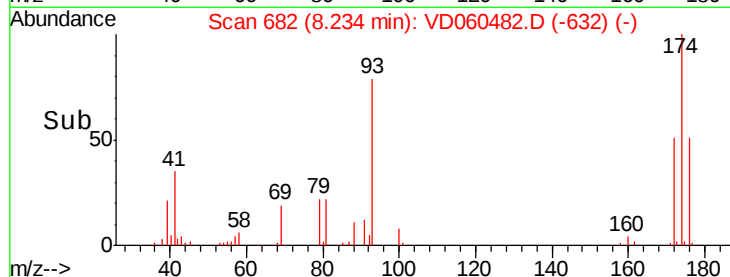
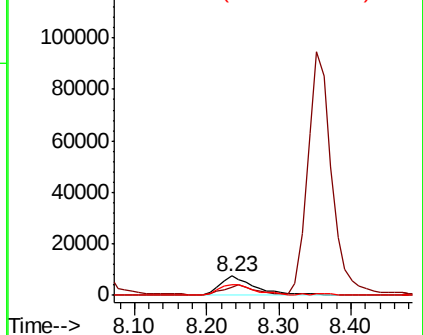
58 54.6 60.2 90.2#



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: 471.581 ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060482.D

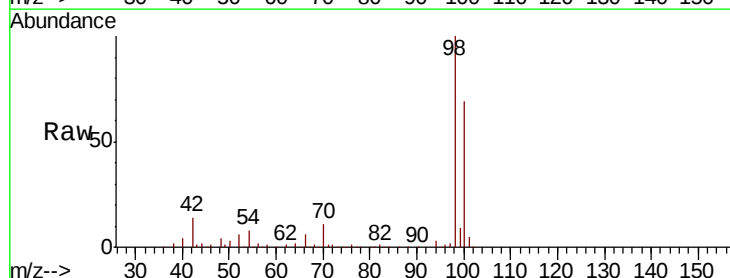
Acq: 4 Dec 2018 12:46

Tgt Ion: 98 Resp: 2024932

Ion Ratio Lower Upper

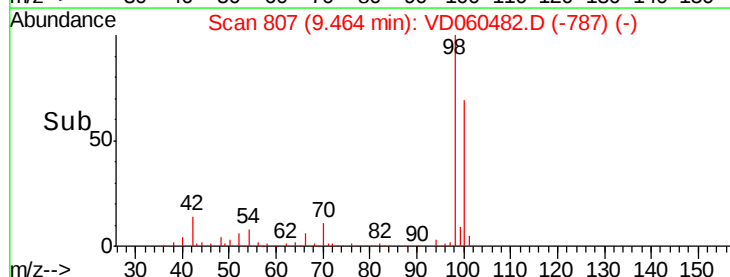
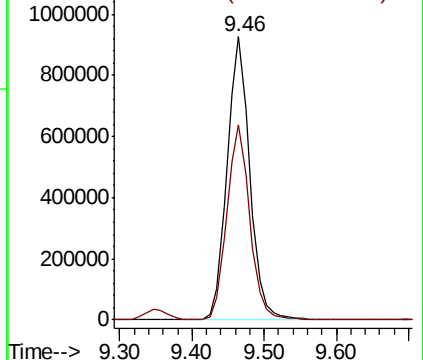
98 100

100 68.9 55.2 82.8



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: 113.621 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

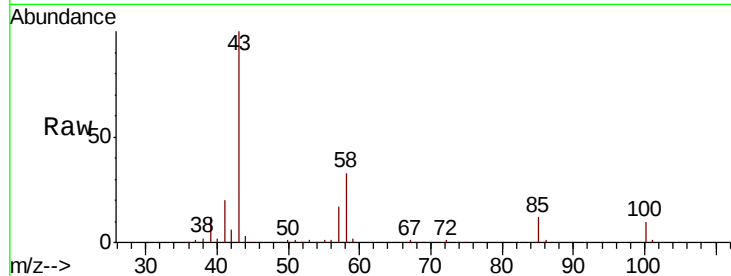
VD1204SBS01

Tot Ion: 43 Resp: 755019

Ion Ratio Lower Upper

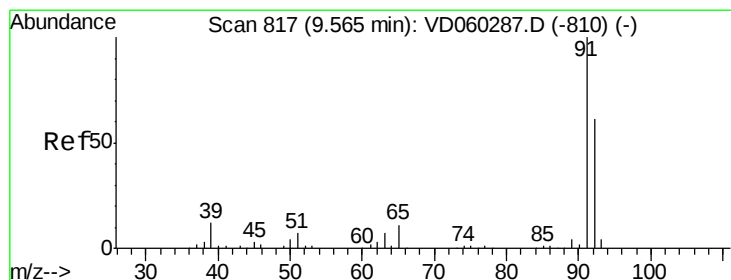
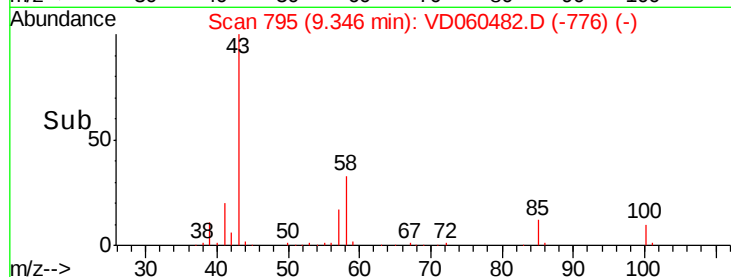
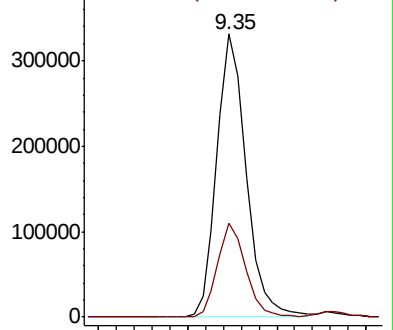
43 100

58 33.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.726 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060482.D

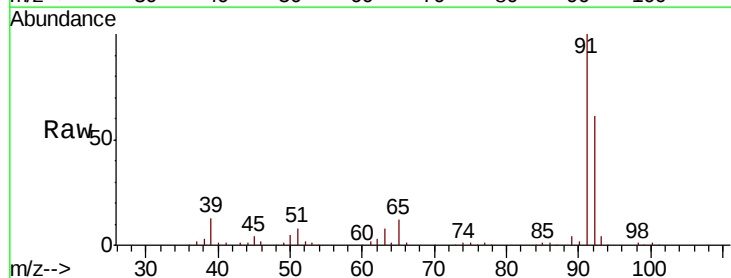
Acq: 4 Dec 2018 12:46

Tgt Ion: 92 Resp: 654531

Ion Ratio Lower Upper

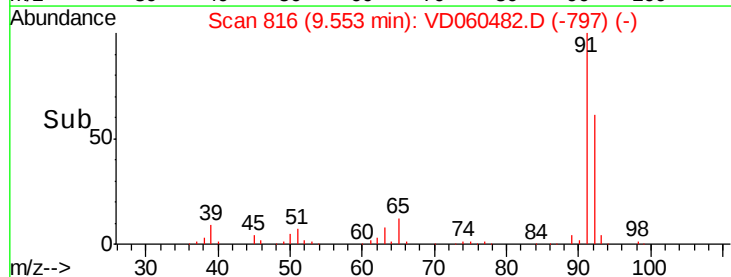
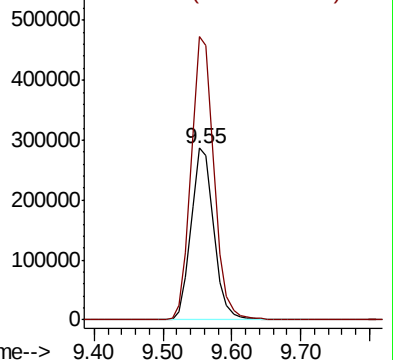
92 100

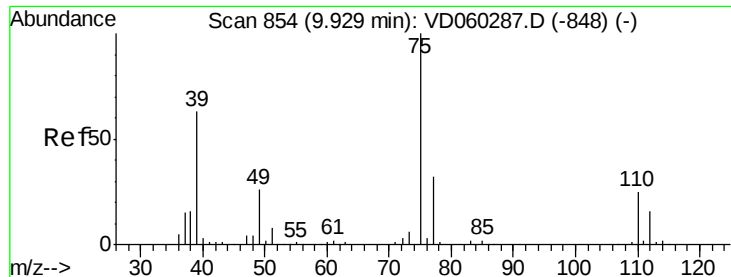
91 164.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

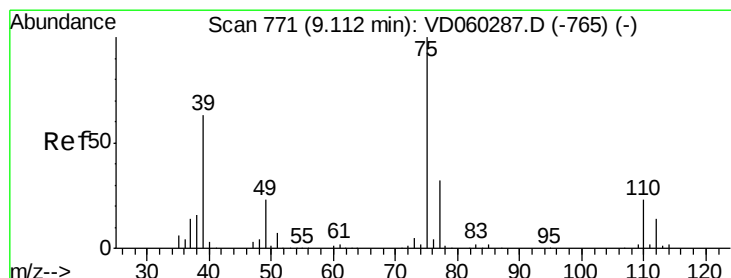
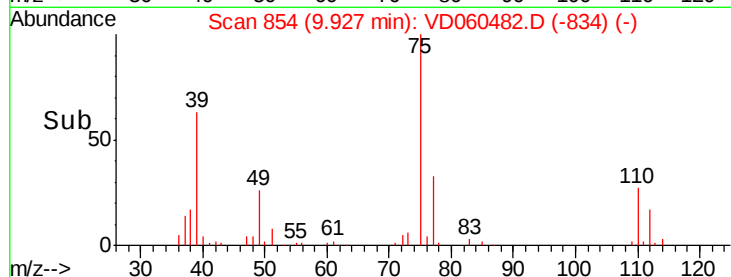
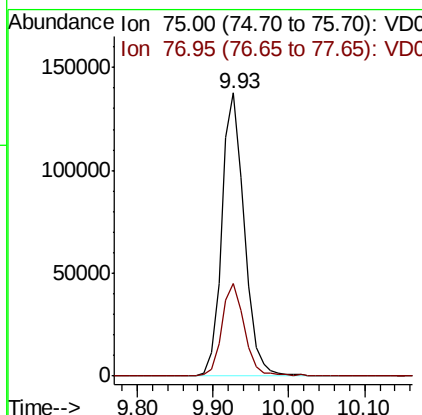
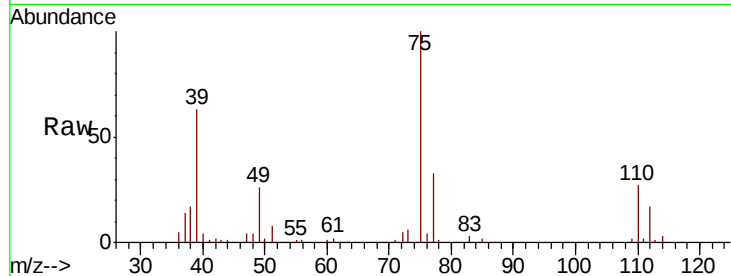




#53
 t-1,3-Dichloropropene
 Concen: 21.365 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

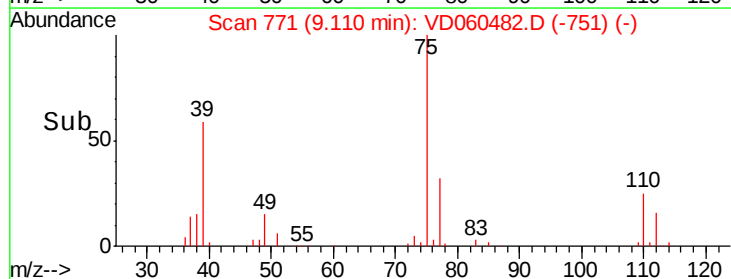
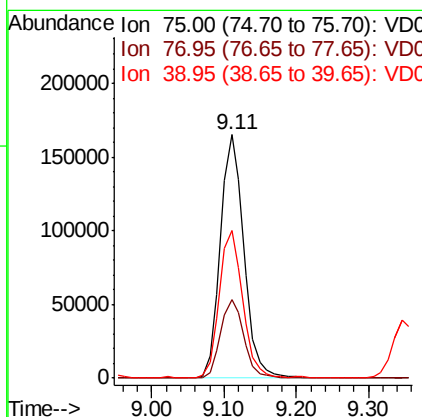
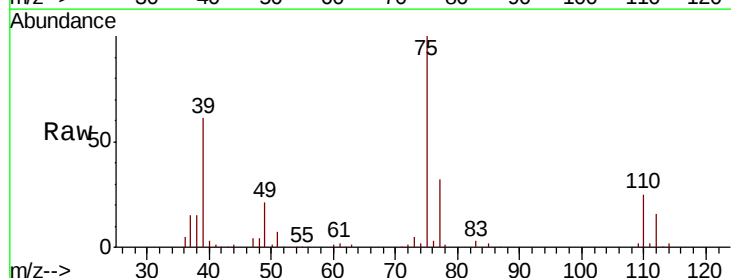
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

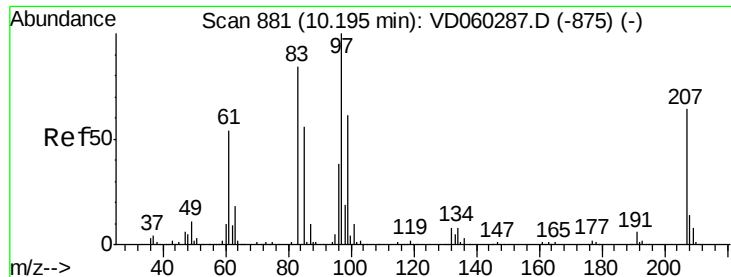
Tot Ion: 75 Resp: 283307
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.854 ug/l
 RT: 9.11 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 75 Resp: 371672
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5
 39 60.5 50.8 76.2

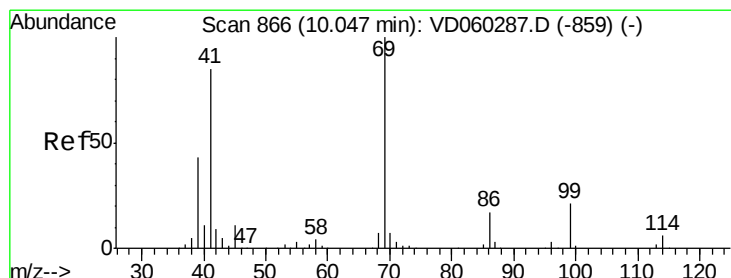
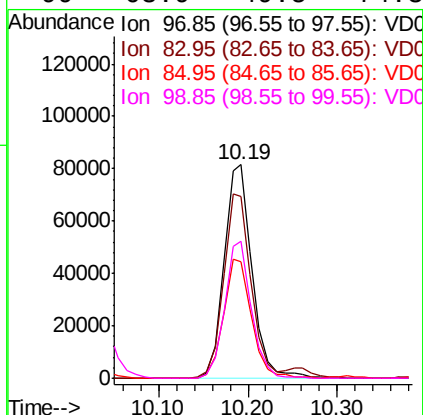
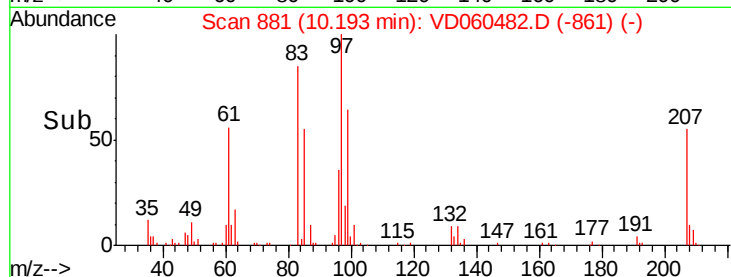
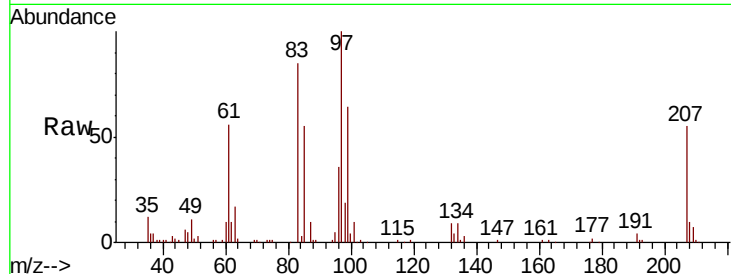




#55
 1,1,2-Trichloroethane
 Concen: 21.497 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

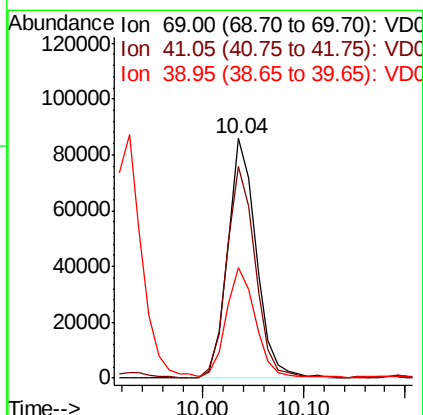
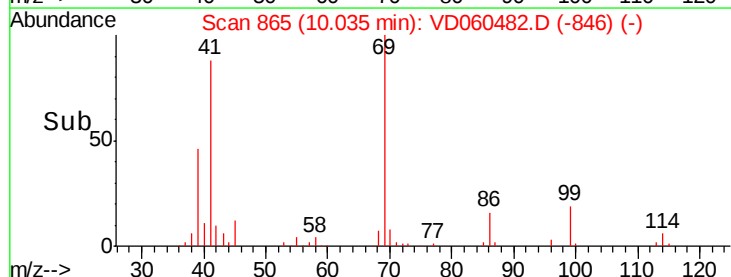
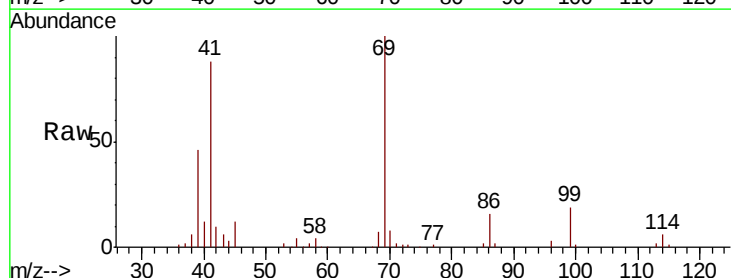
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion:	97	Resp:	179447
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.4	102.6
85	54.6	46.8	70.2
99	63.9	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 21.896 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion:	69	Resp:	168059
Ion	Ratio	Lower	Upper
69	100		
41	88.3	69.0	103.4
39	46.3	36.6	54.8





#57

1,3-Dichloropropane

Concen: 22.114 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

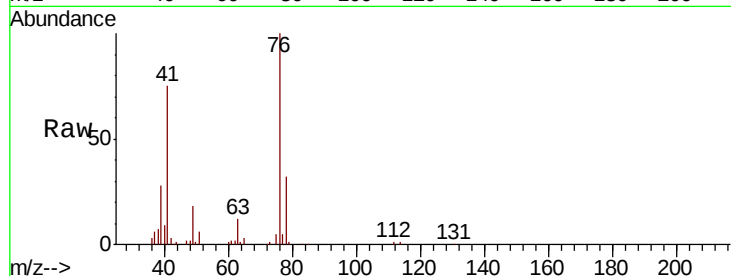
VD1204SBS01

Tot Ion: 76 Resp: 281283

Ion Ratio Lower Upper

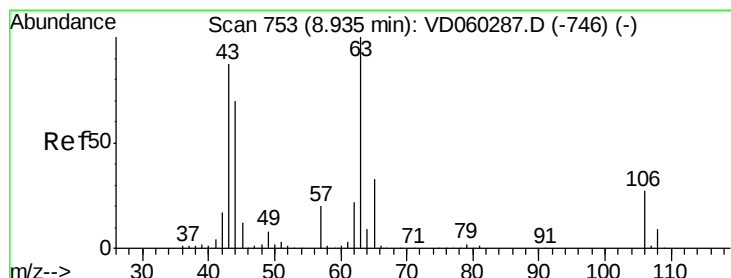
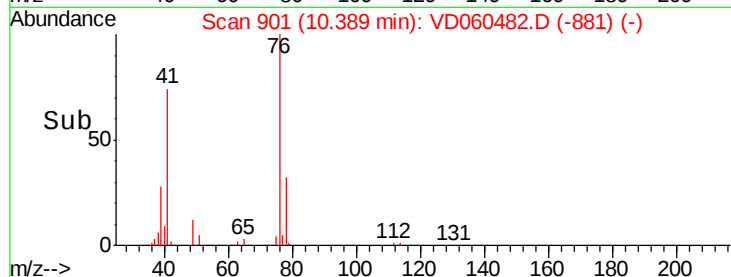
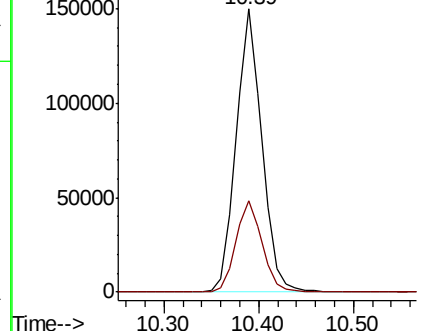
76 100

78 32.1 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 116.326 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060482.D

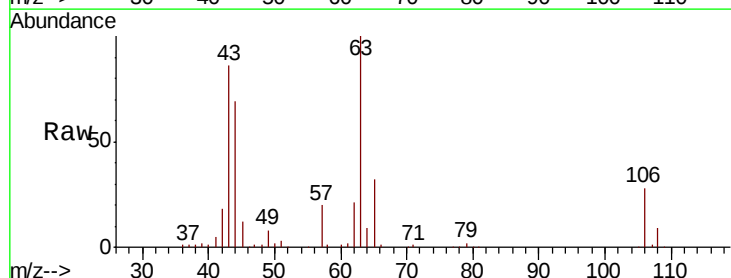
Acq: 4 Dec 2018 12:46

Tgt Ion: 63 Resp: 539847

Ion Ratio Lower Upper

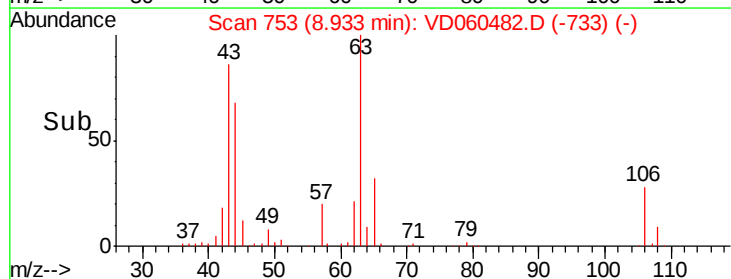
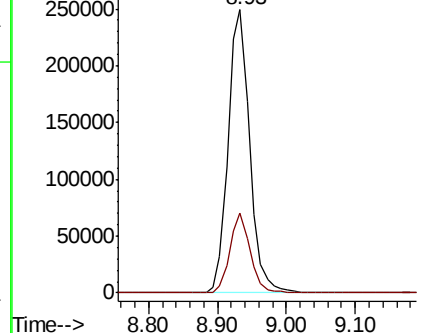
63 100

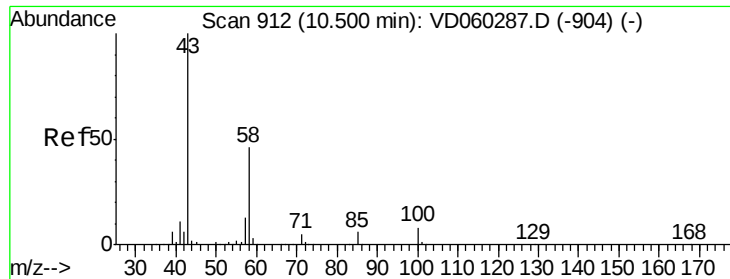
106 28.1 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

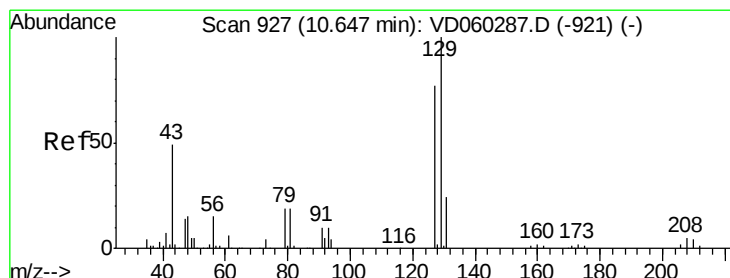
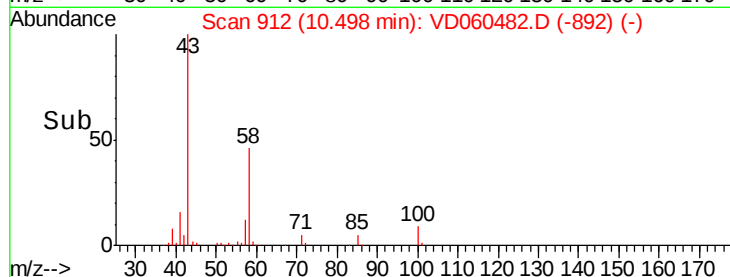
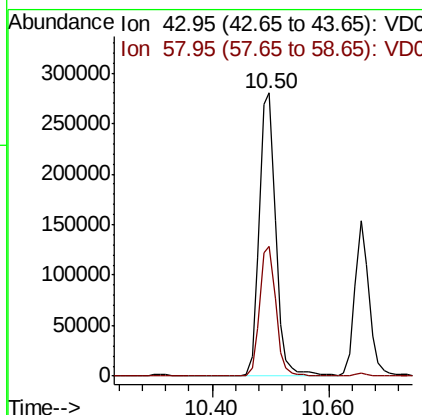
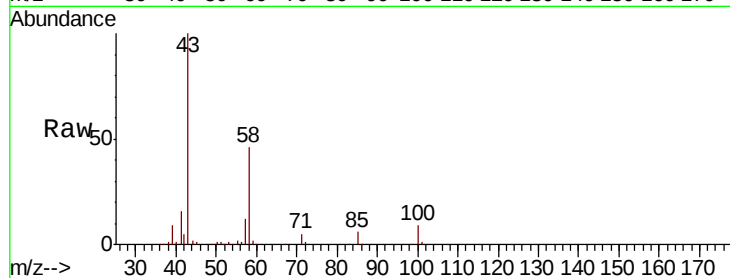




#59
2-Hexanone
Concen: 117.600 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

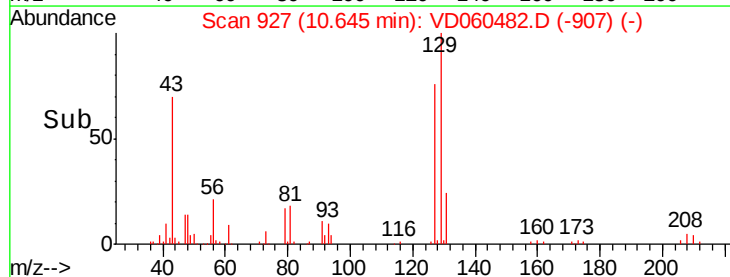
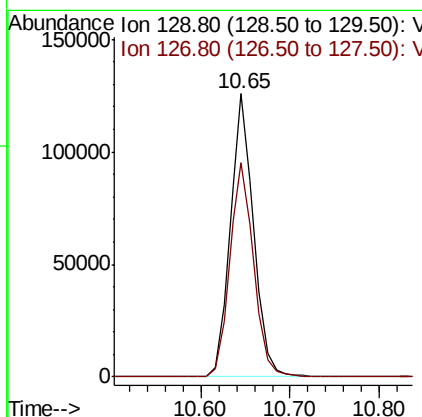
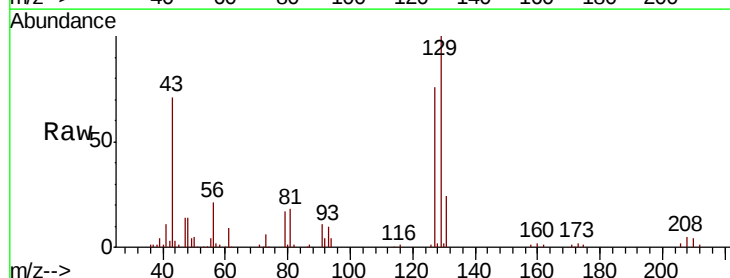
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

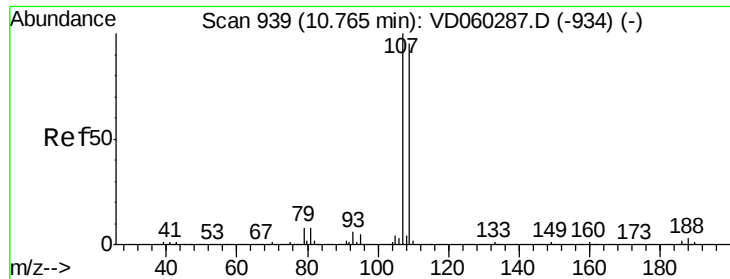
Tot Ion: 43 Resp: 556974
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 22.653 ug/l
RT: 10.65 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 129 Resp: 229865
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.6

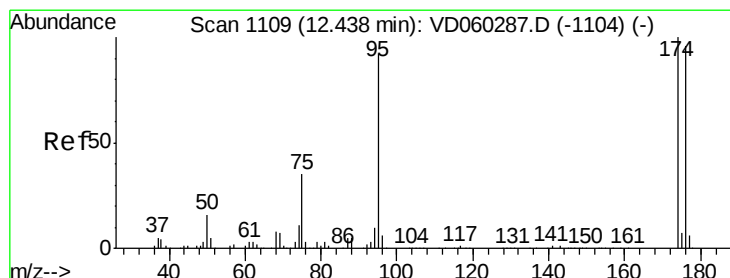
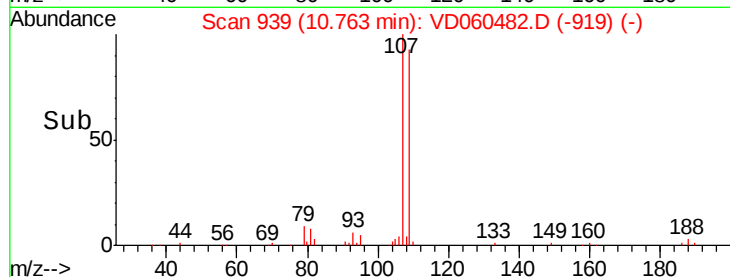
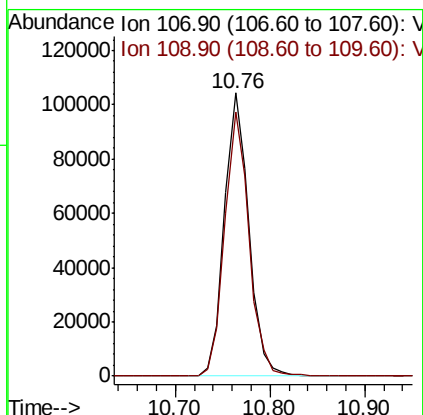
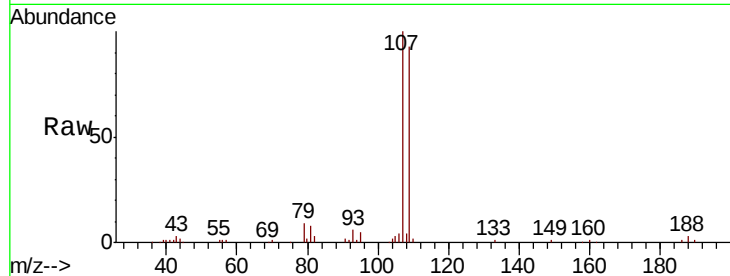




#61
 1,2-Dibromoethane
 Concen: 22.257 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

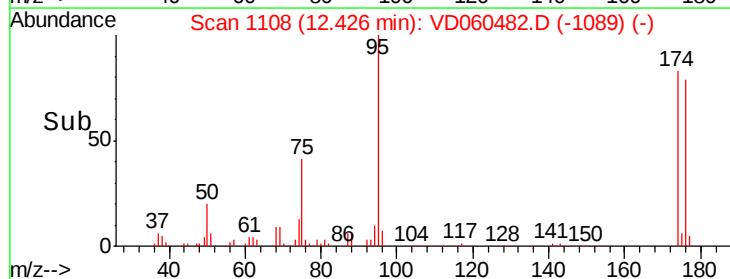
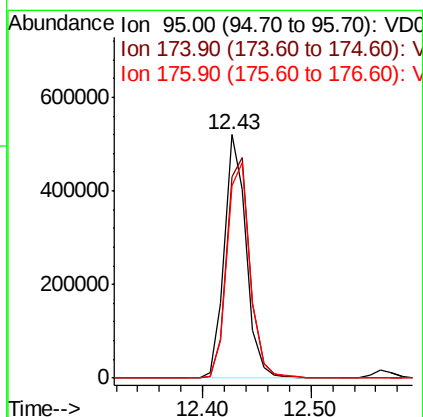
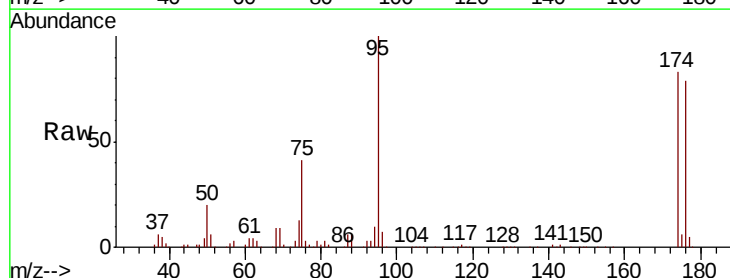
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

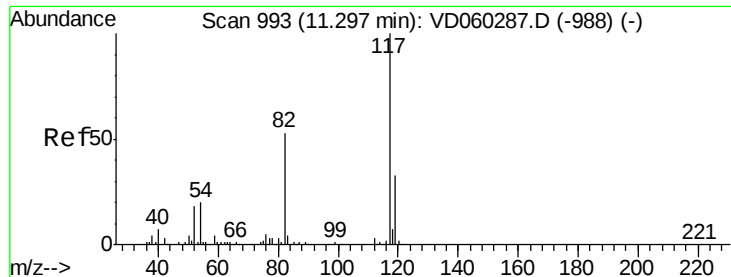
Tot Ion:107 Resp: 186151
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 22.257 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion: 95 Resp: 728944
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 160.8
 176 78.9 0.0 154.6

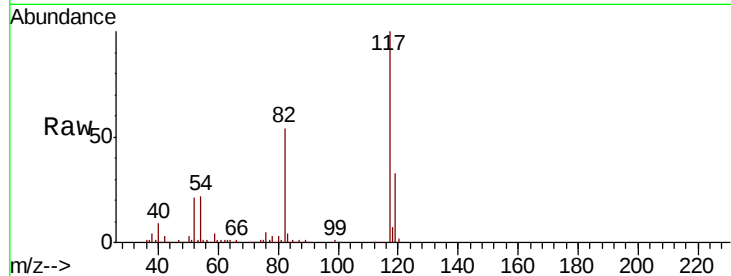




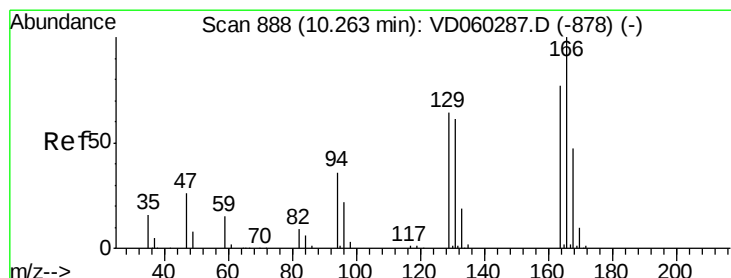
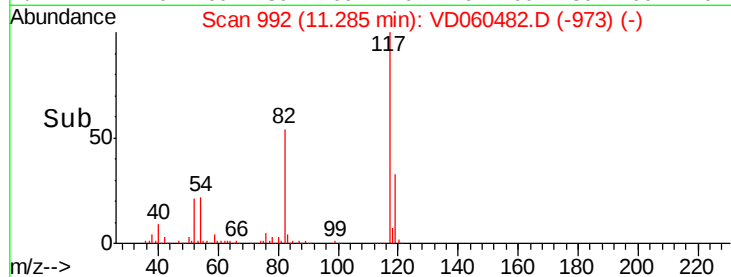
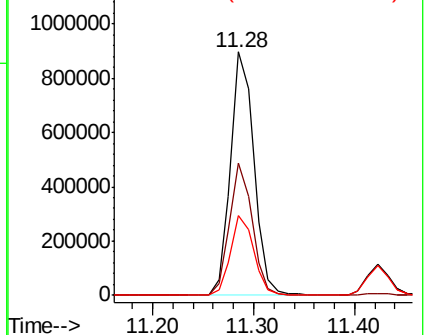
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion:117 Resp: 1450176
Ion Ratio Lower Upper
117 100
82 54.5 43.7 65.5
119 32.7 26.1 39.1

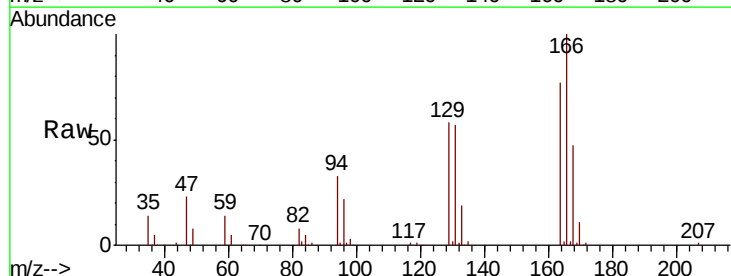


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

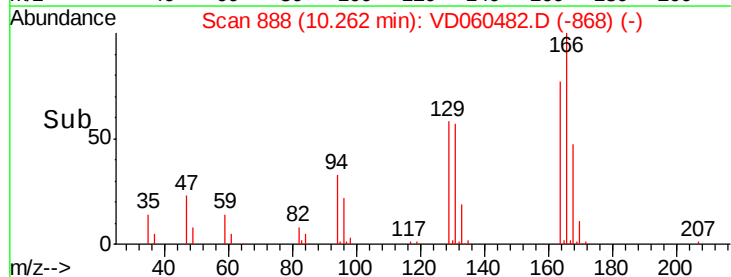
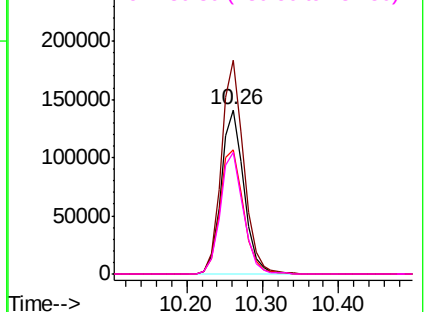


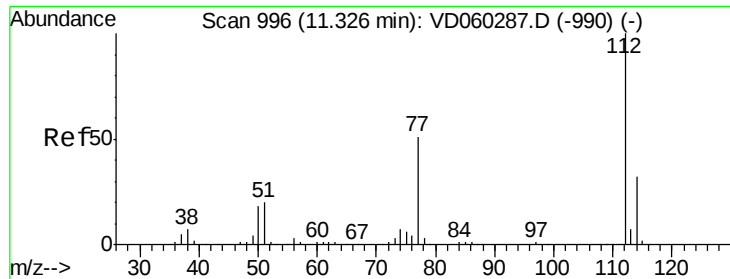
#64
Tetrachloroethene
Concen: 22.650 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion:164 Resp: 293230
Ion Ratio Lower Upper
164 100
166 130.1 103.7 155.5
129 75.6 65.6 98.4
131 74.0 64.4 96.6



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





#65

Chlorobenzene

Concen: 22.947 ug/l

RT: 11.31 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

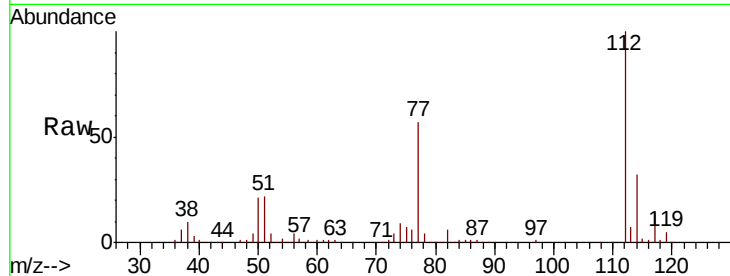
VD1204SBS01

Tot Ion:112 Resp: 721022

Ion Ratio Lower Upper

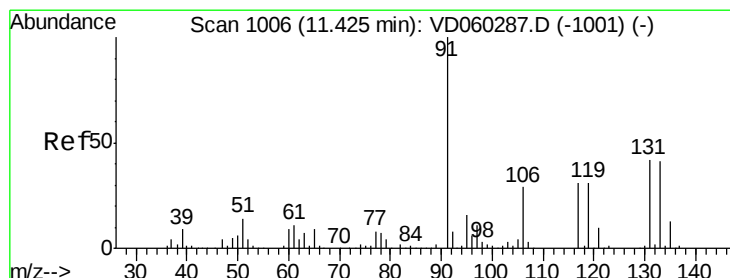
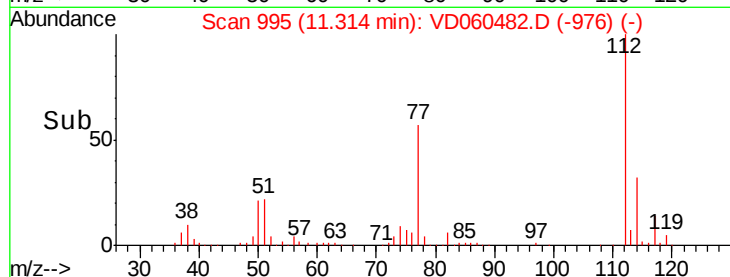
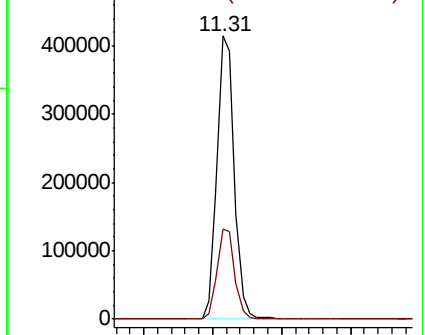
112 100

114 31.8 25.8 38.8



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: 23.106 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

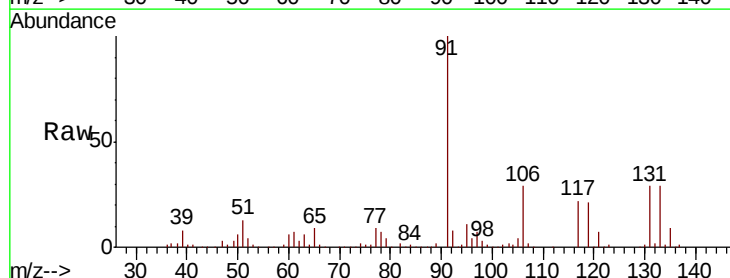
Tgt Ion:131 Resp: 237548

Ion Ratio Lower Upper

131 100

133 97.0 50.0 150.0

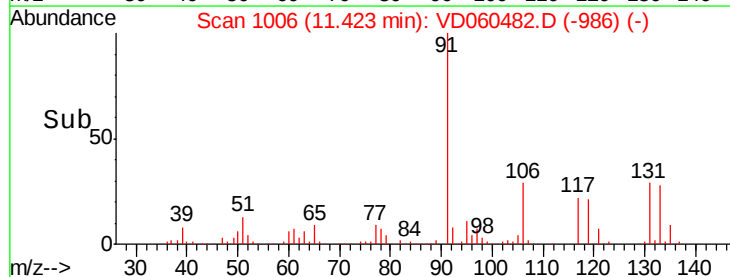
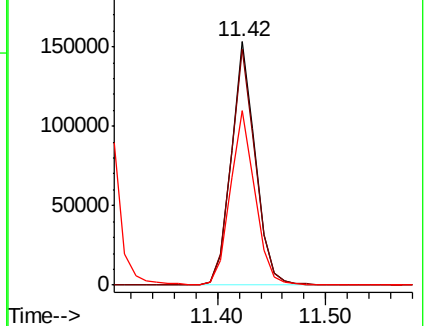
119 71.5 37.0 111.1



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

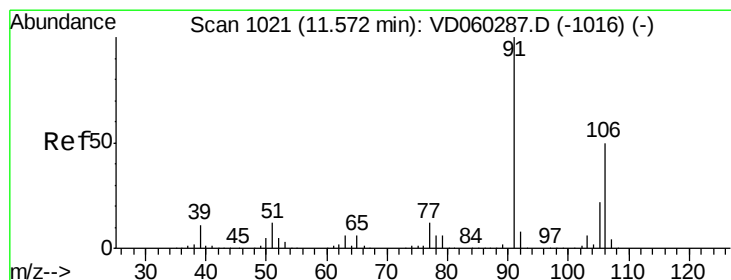
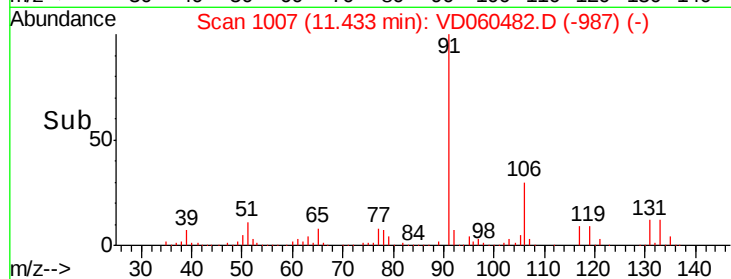
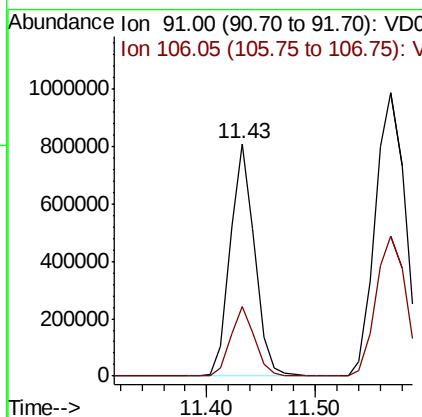
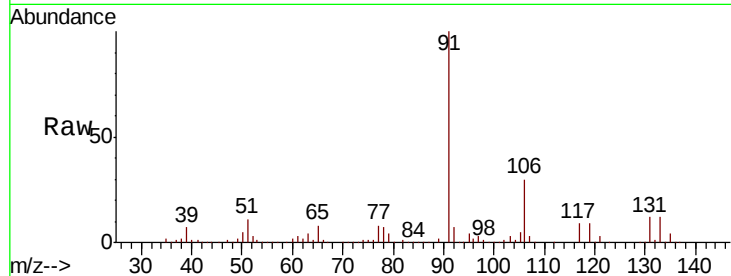




#67
Ethyl Benzene
Concen: 23.529 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

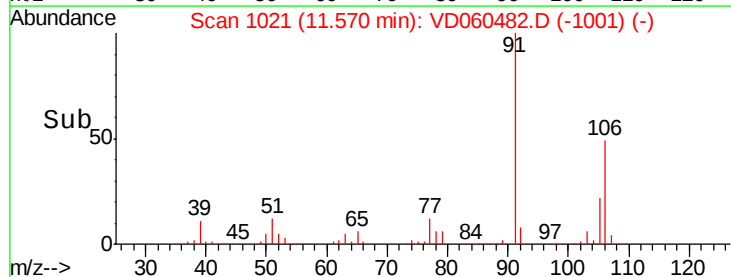
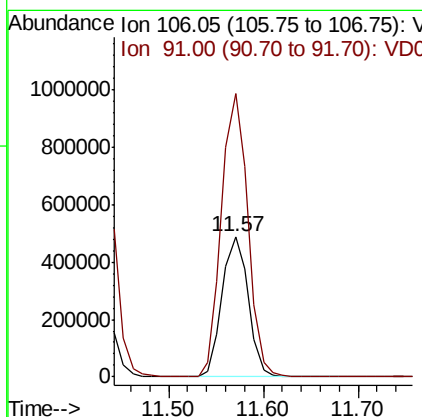
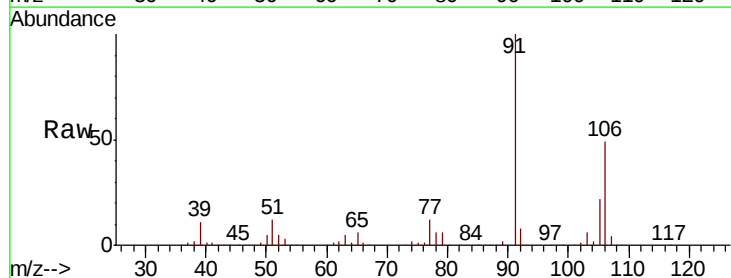
Instrument :
MSVOA_D
ClientSampleID :
VD1204SBS01

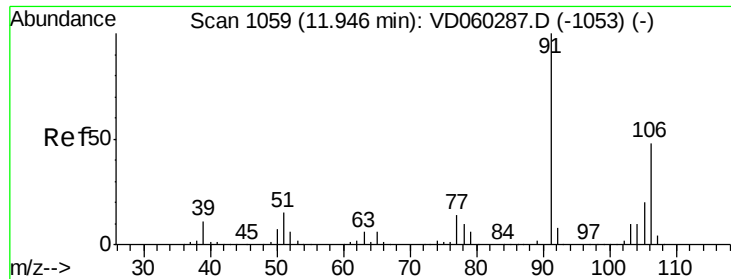
Tot Ion: 91 Resp: 1264683
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 47.456 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 106 Resp: 940949
Ion Ratio Lower Upper
106 100
91 202.0 159.4 239.2

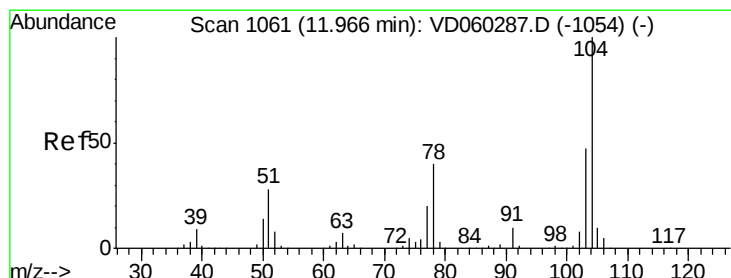
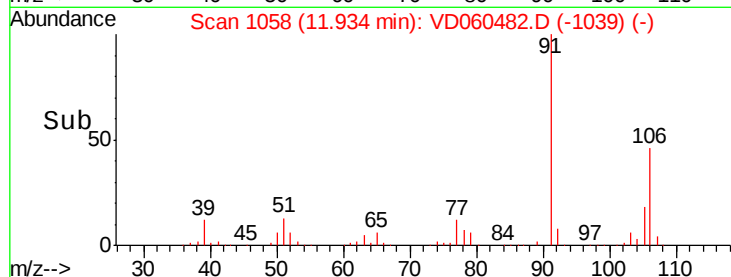
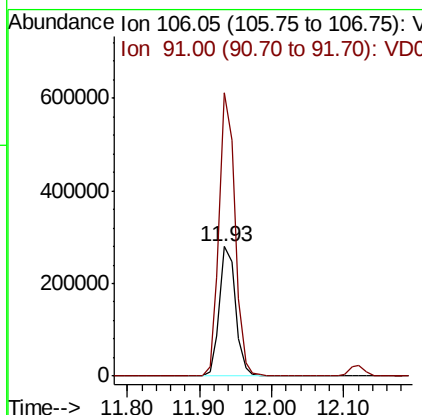
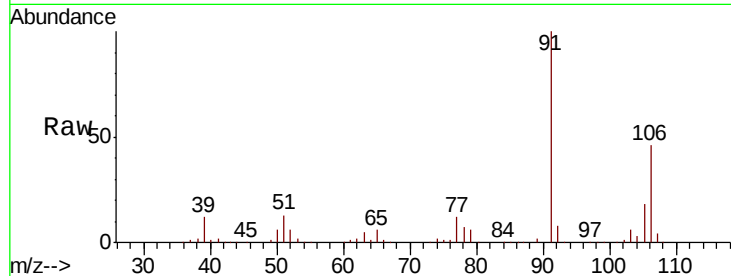




#69
o-Xylene
Concen: 22.610 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

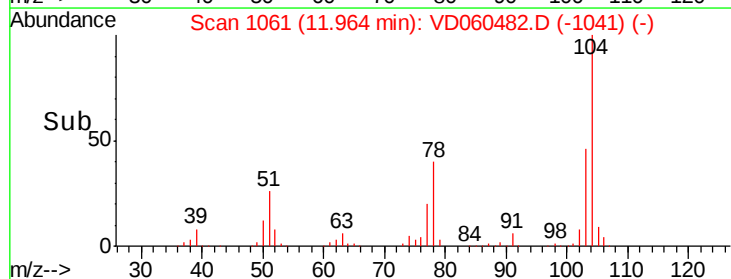
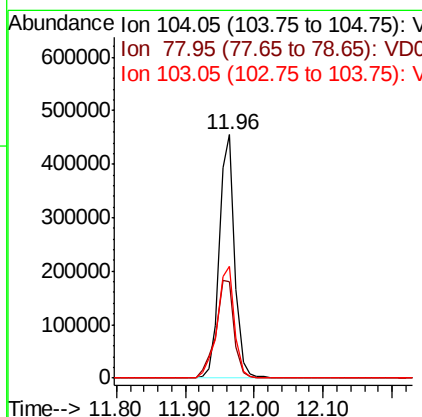
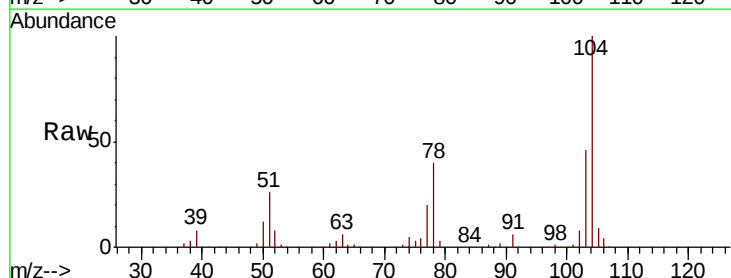
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

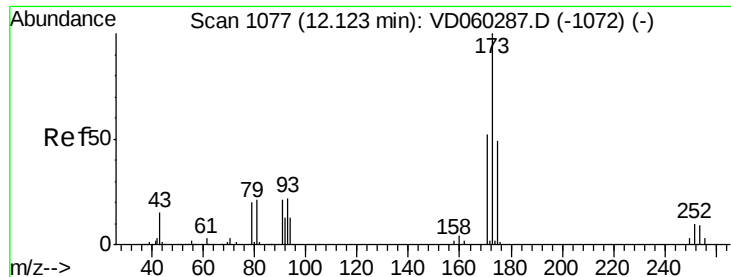
Tot Ion:106 Resp: 433107
Ion Ratio Lower Upper
106 100
91 218.8 109.2 327.6



#70
Styrene
Concen: 22.547 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion:104 Resp: 697996
Ion Ratio Lower Upper
104 100
78 39.7 31.6 47.4
103 46.0 37.0 55.6





#71

Bromoform

Concen: 21.846 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

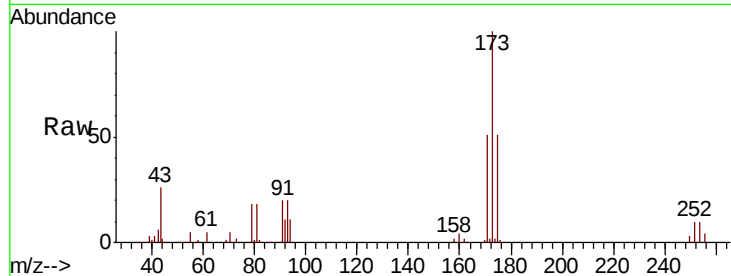
Tot Ion:173 Resp: 150917

Ion Ratio Lower Upper

173 100

175 51.4 24.3 73.0

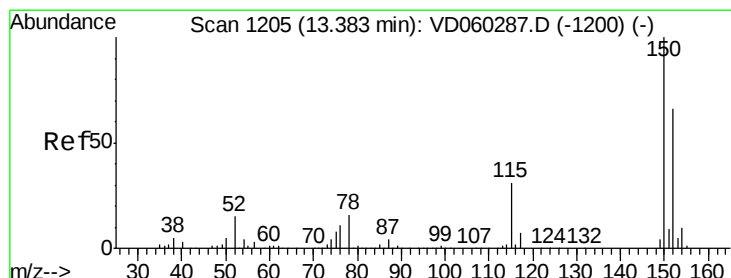
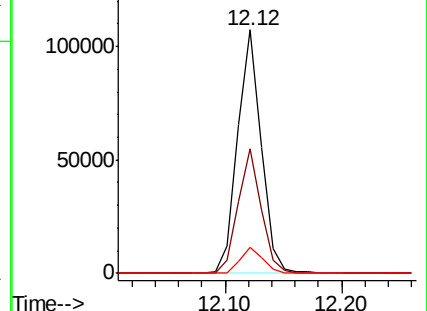
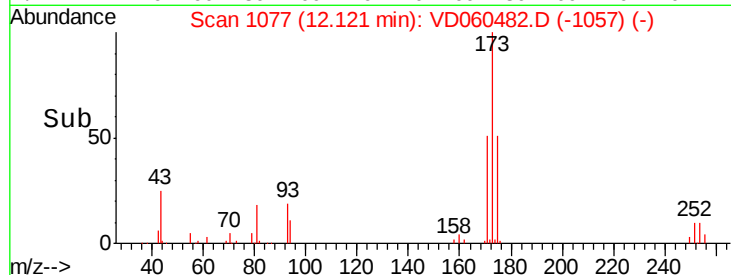
254 10.5 8.3 12.5



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# 1204

Delta R.T. -0.01 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

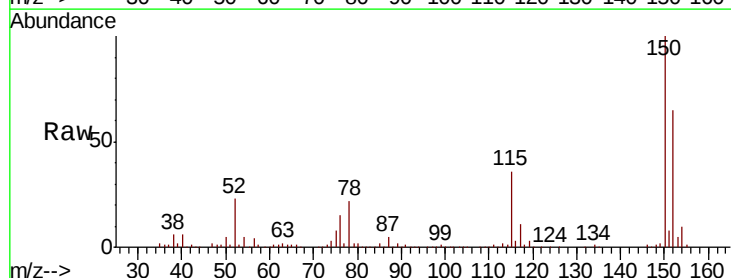
Tgt Ion:152 Resp: 756358

Ion Ratio Lower Upper

152 100

115 56.0 24.1 72.3

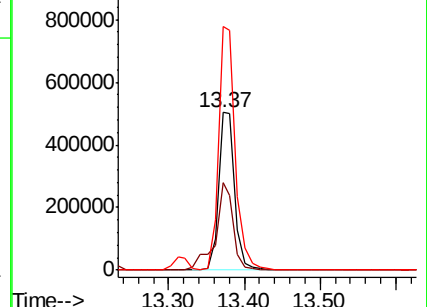
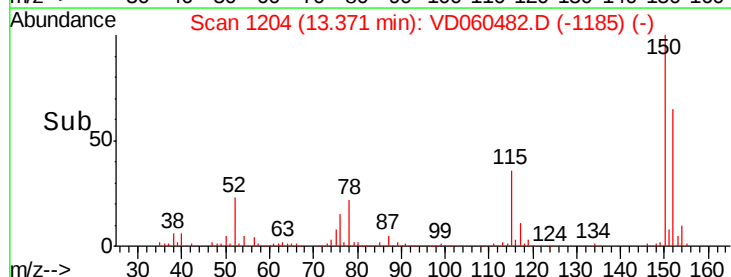
150 154.7 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.418 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

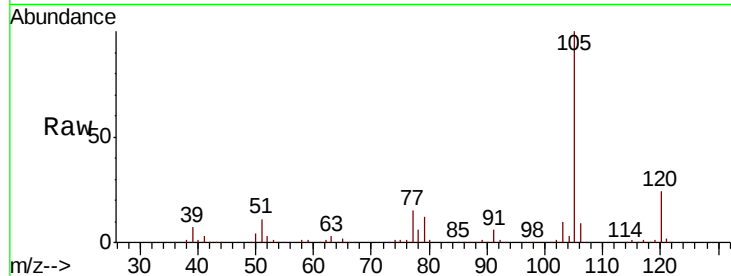
VD1204SBS01

Tot Ion:105 Resp: 1235397

Ion Ratio Lower Upper

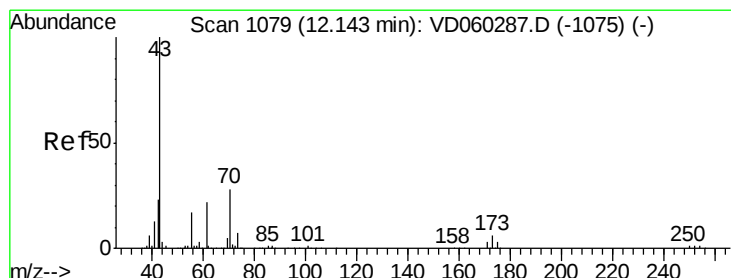
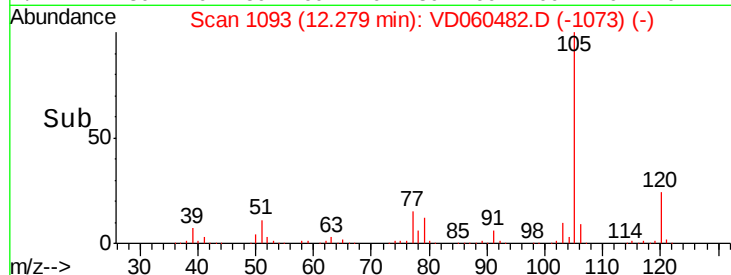
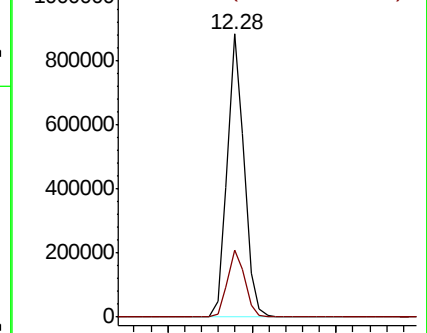
105 100

120 23.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.578 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Tgt Ion: 43 Resp: 290721

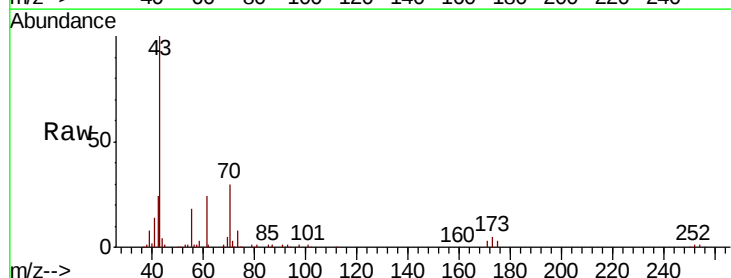
Ion Ratio Lower Upper

43 100

70 29.6 23.0 34.4

55 18.2 14.2 21.4

61 24.3 17.8 26.8

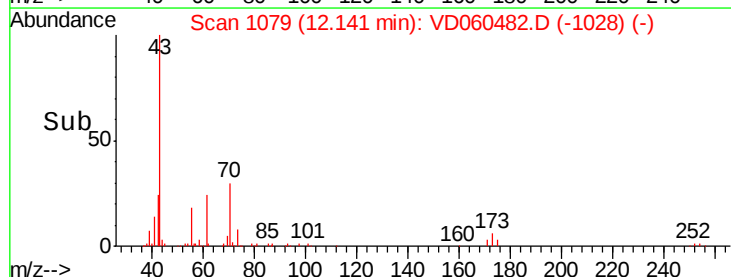
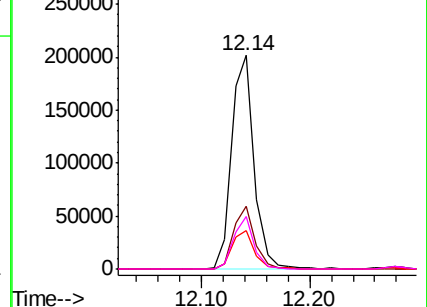


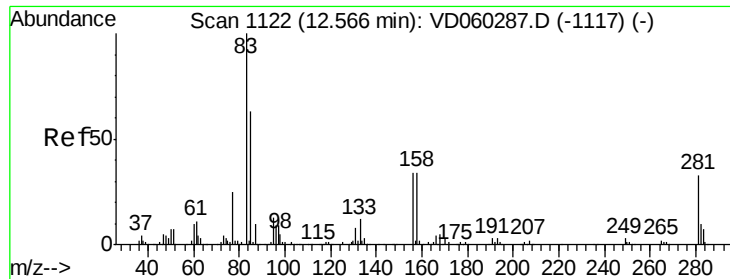
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.768 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

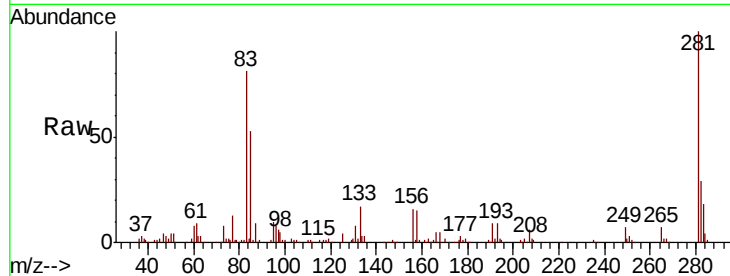
Tot Ion: 83 Resp: 196182

Ion Ratio Lower Upper

83 100

131 9.4 3.9 11.5

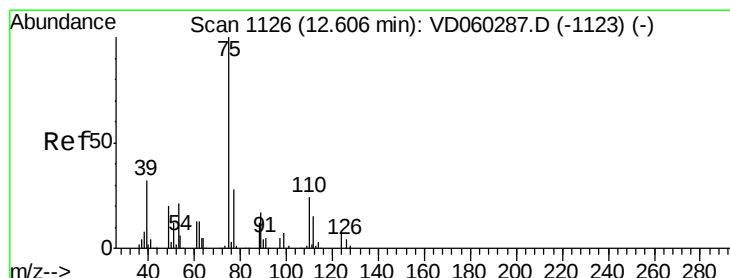
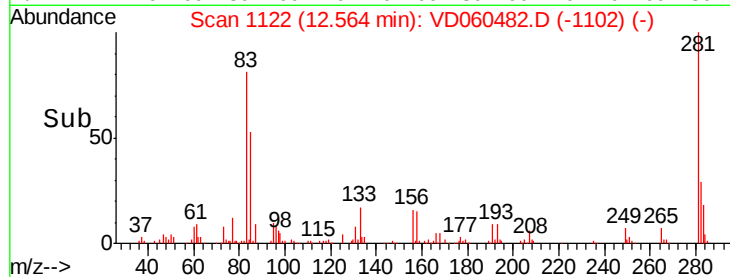
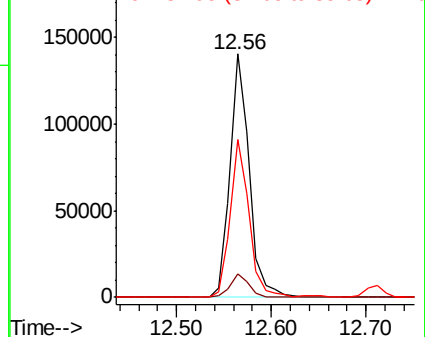
85 64.8 32.0 96.0



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: 21.041 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060482.D

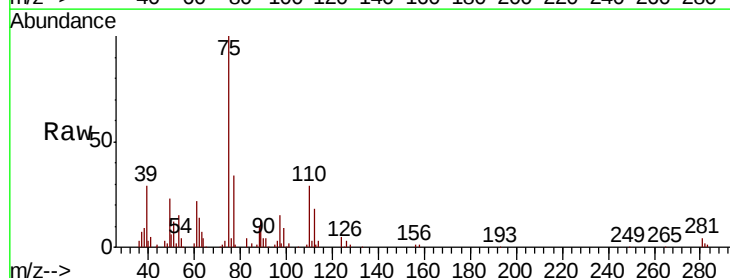
Acq: 4 Dec 2018 12:46

Tgt Ion: 75 Resp: 190371

Ion Ratio Lower Upper

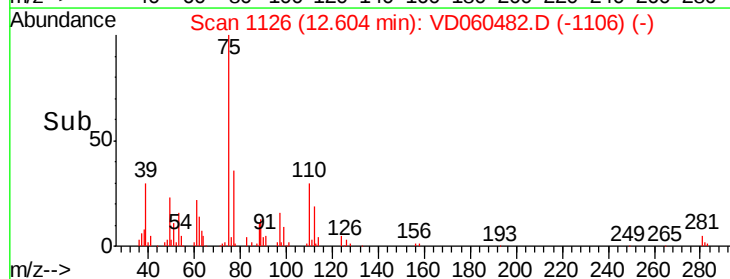
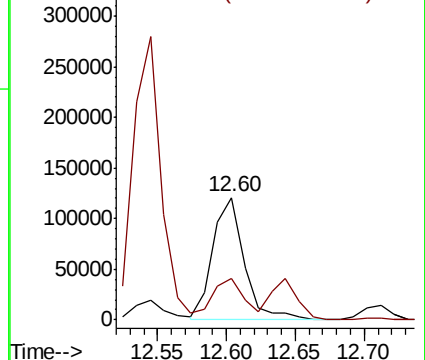
75 100

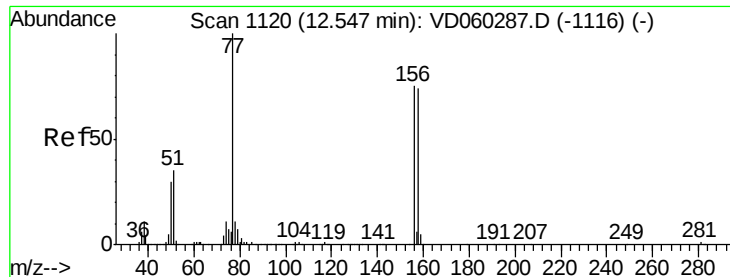
77 34.1 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.329 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

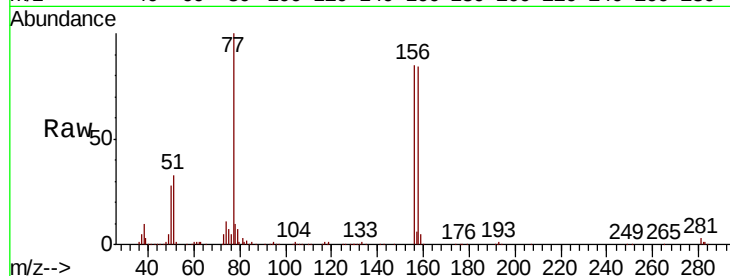
Tot Ion:156 Resp: 312201

Ion Ratio Lower Upper

156 100

77 118.1 61.2 183.6

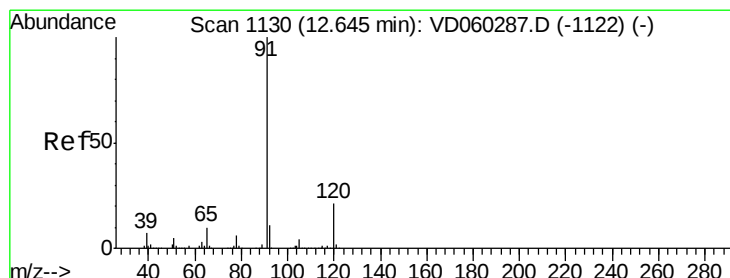
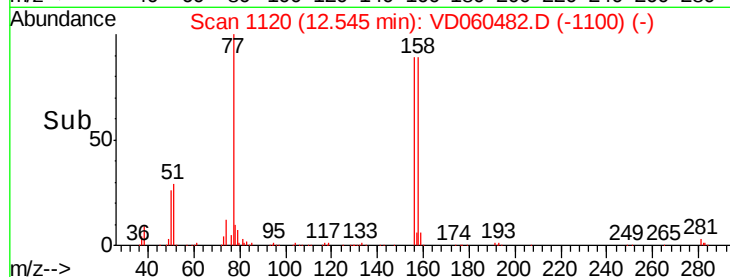
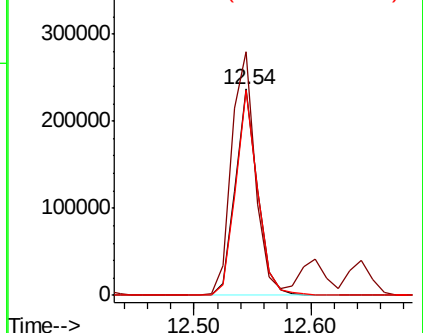
158 99.6 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.057 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060482.D

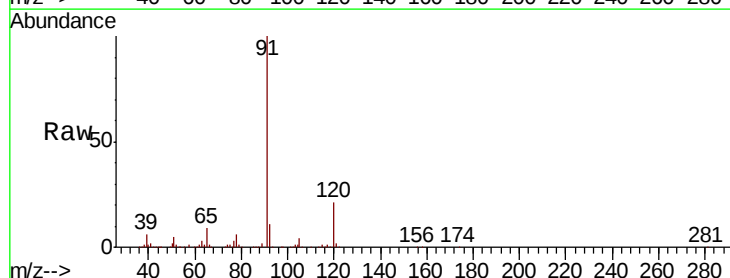
Acq: 4 Dec 2018 12:46

Tgt Ion: 91 Resp: 1585931

Ion Ratio Lower Upper

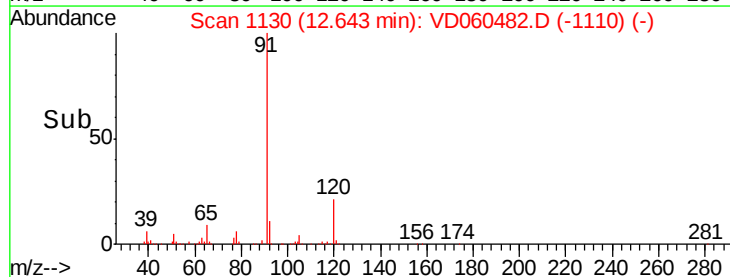
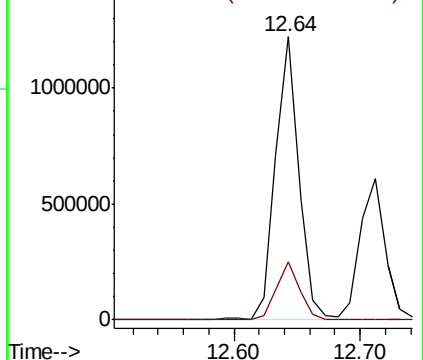
91 100

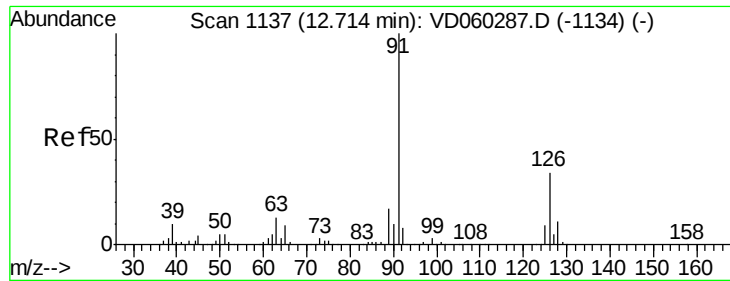
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.261 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

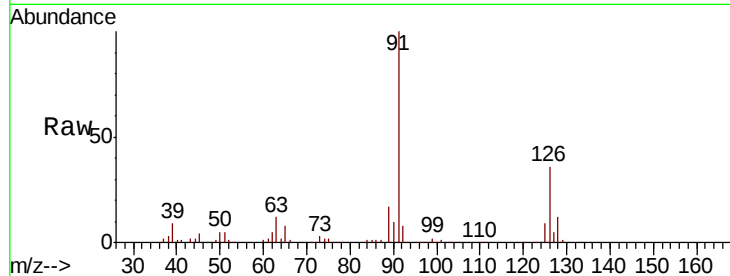
VD1204SBS01

Tot Ion: 91 Resp: 838619

Ion Ratio Lower Upper

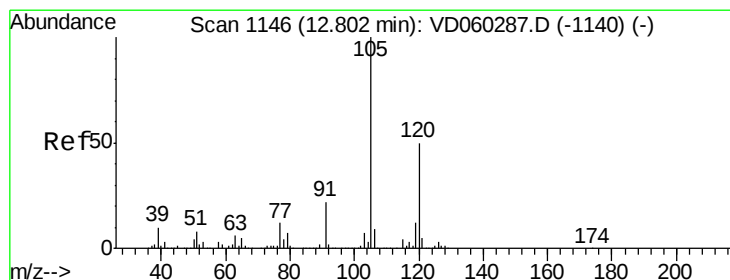
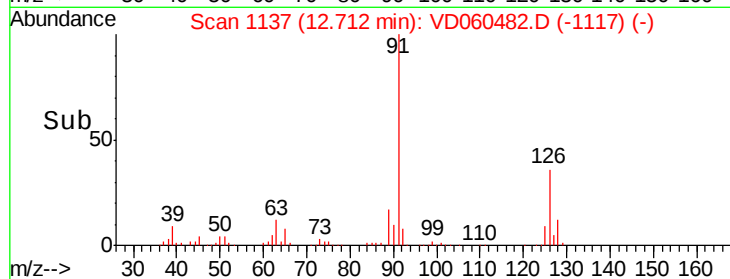
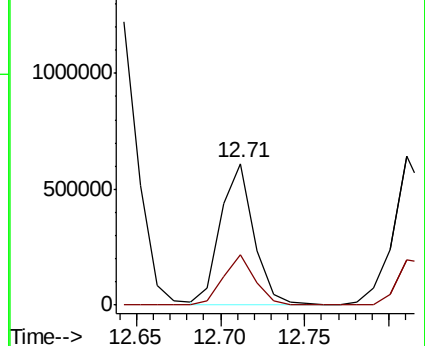
91 100

126 35.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.567 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060482.D

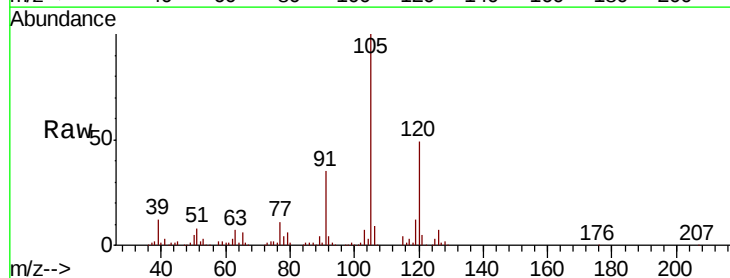
Acq: 4 Dec 2018 12:46

Tgt Ion:105 Resp: 966445

Ion Ratio Lower Upper

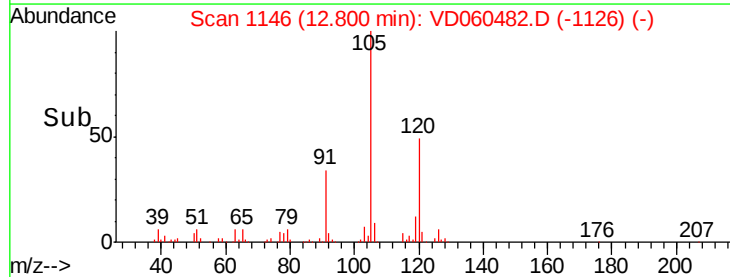
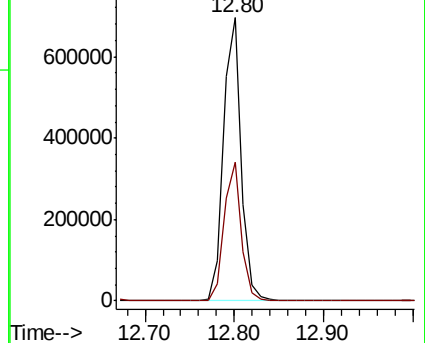
105 100

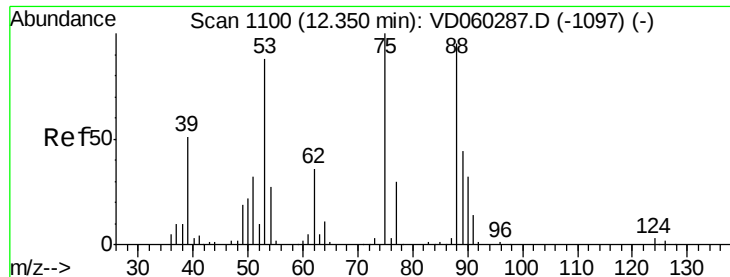
120 48.8 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.894 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

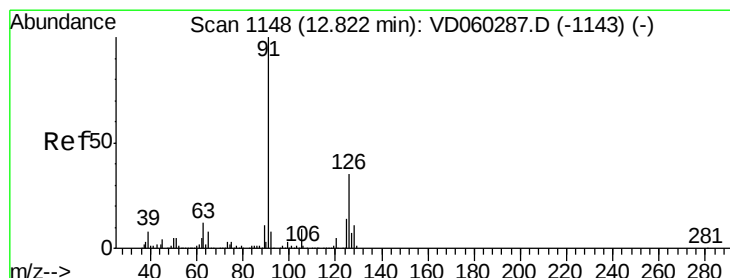
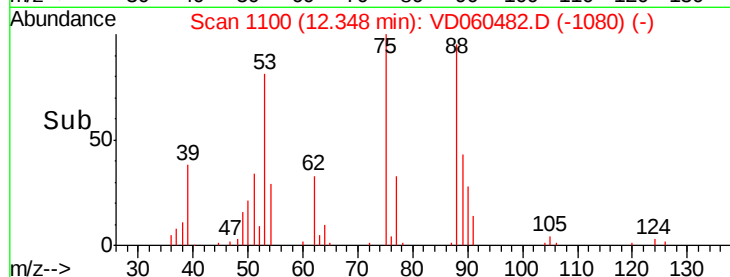
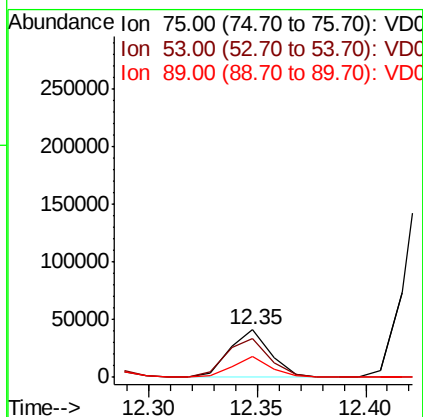
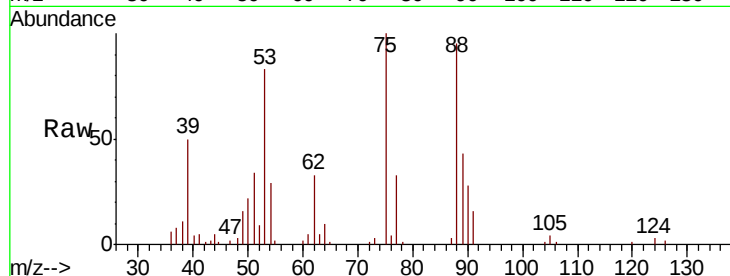
Tot Ion: 75 Resp: 53822

Ion Ratio Lower Upper

75 100

53 82.9 68.6 103.0

89 42.9 34.1 51.1



#82

4-Chlorotoluene

Concen: 22.605 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060482.D

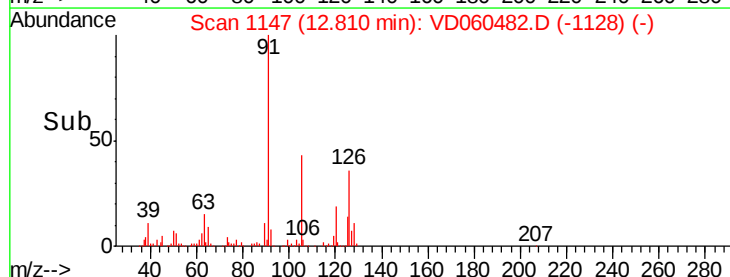
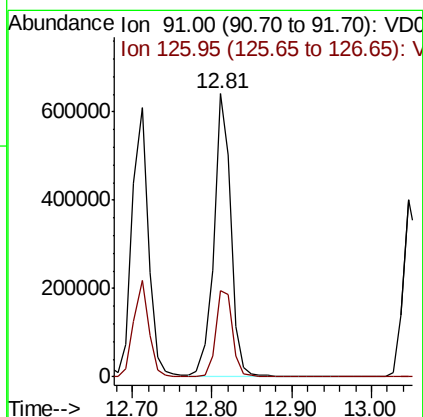
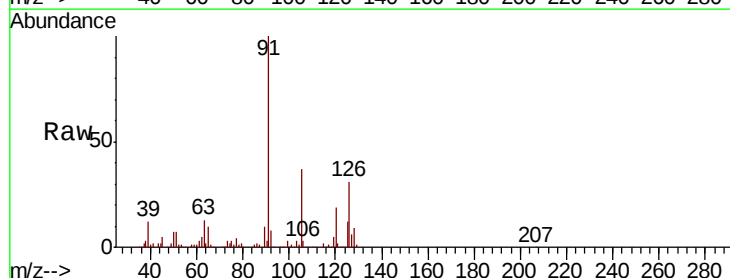
Acq: 4 Dec 2018 12:46

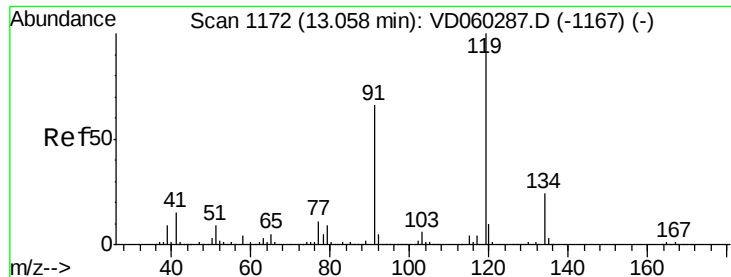
Tgt Ion: 91 Resp: 956579

Ion Ratio Lower Upper

91 100

126 30.7 14.8 44.4

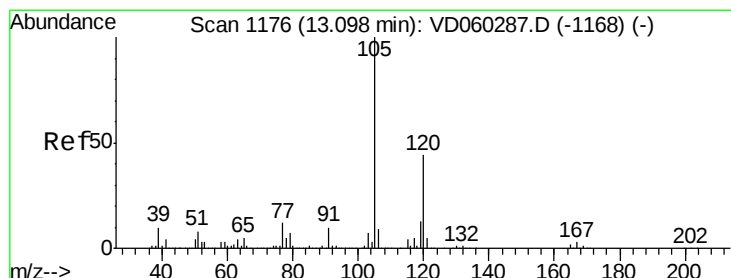
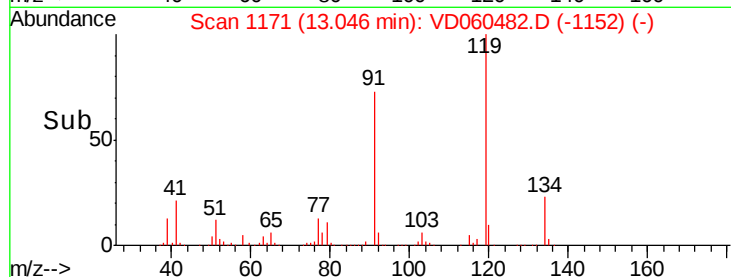
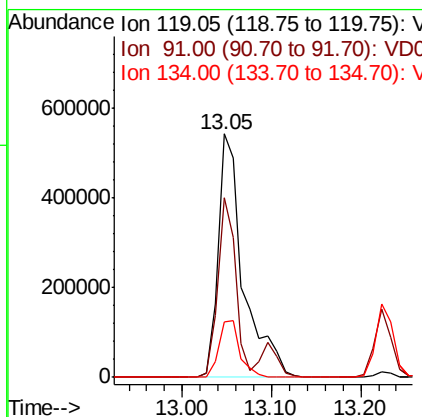
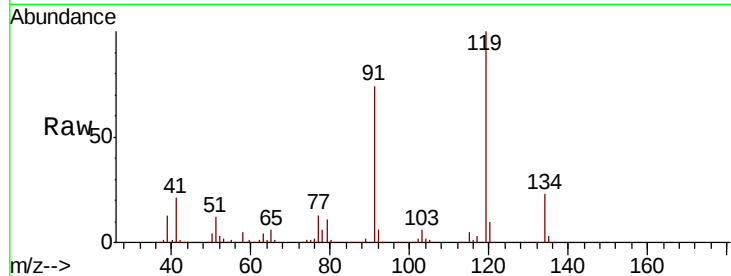




#83
 tert-Butylbenzene
 Concen: 22.549 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

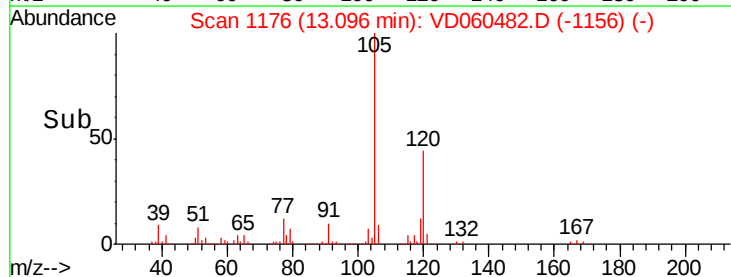
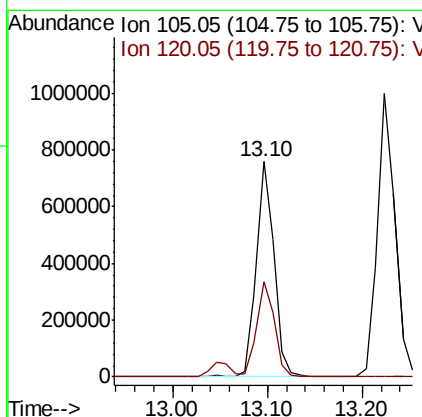
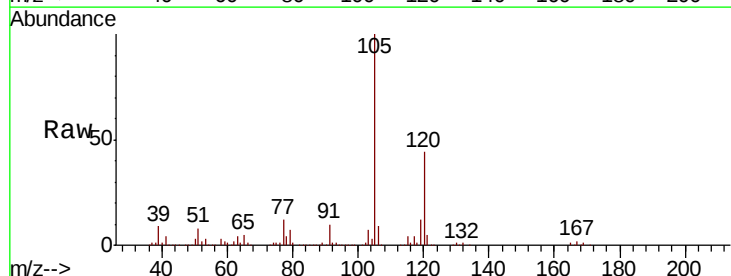
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

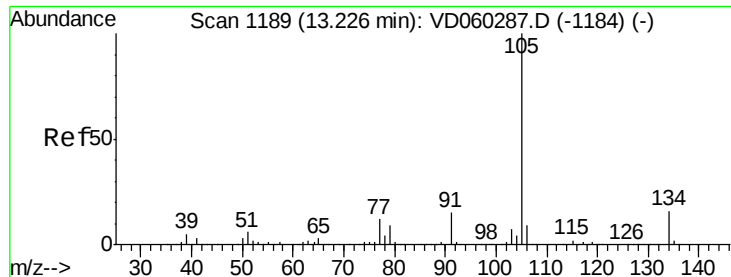
Tot Ion:119 Resp: 1072096
 Ion Ratio Lower Upper
 119 100
 91 73.9 32.7 98.1
 134 22.9 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 23.079 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion:105 Resp: 987081
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.8

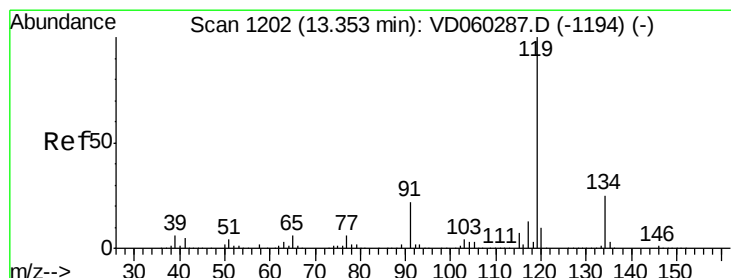
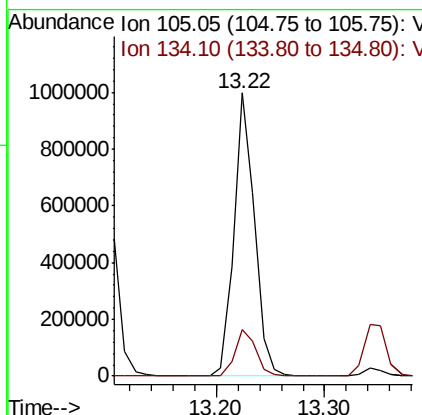
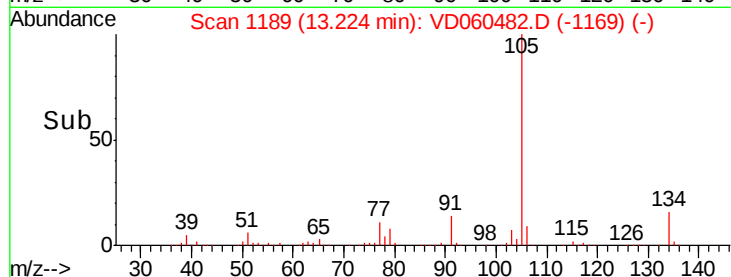
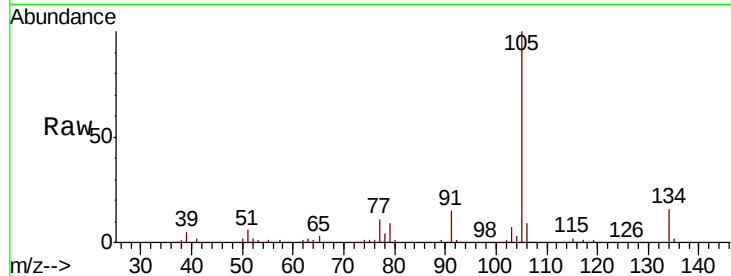




#85
 sec-Butylbenzene
 Concen: 22.452 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

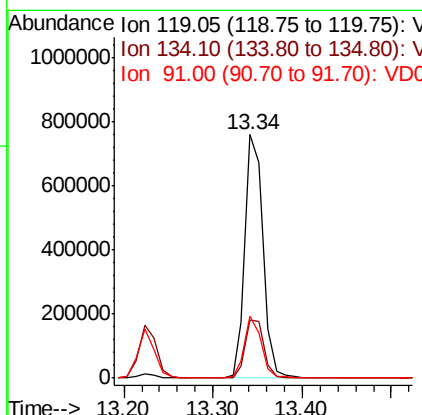
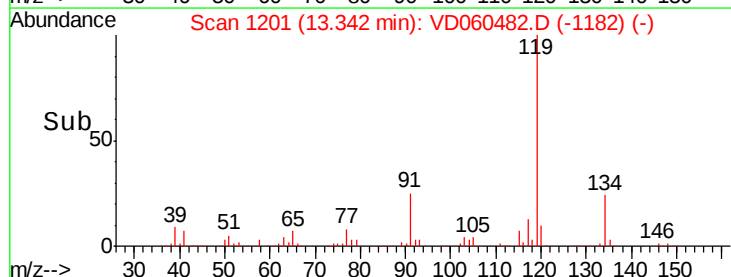
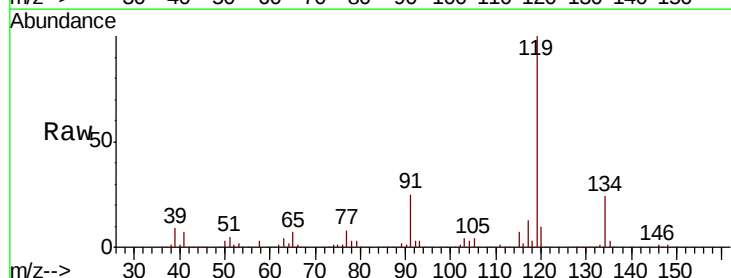
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion:105 Resp: 1309695
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 22.852 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion:119 Resp: 1073503
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.9 38.6
 91 25.3 11.3 33.8

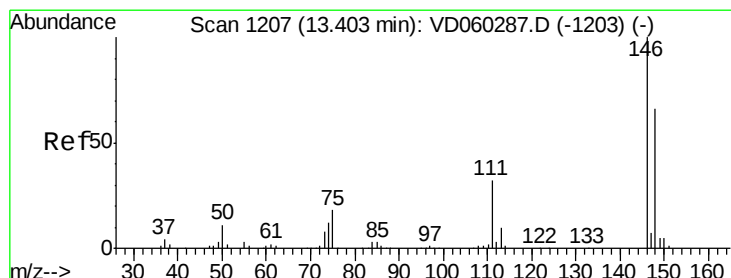
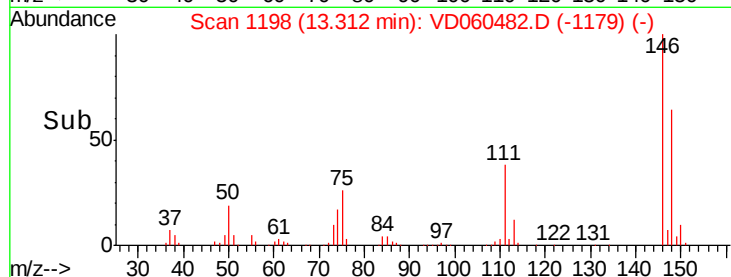
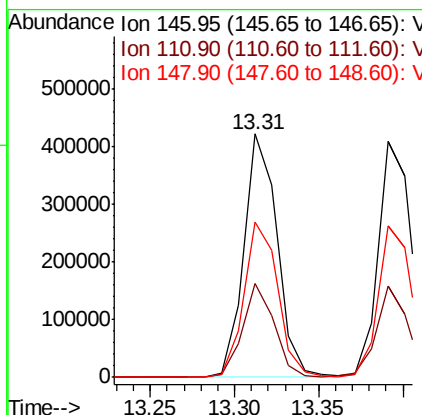
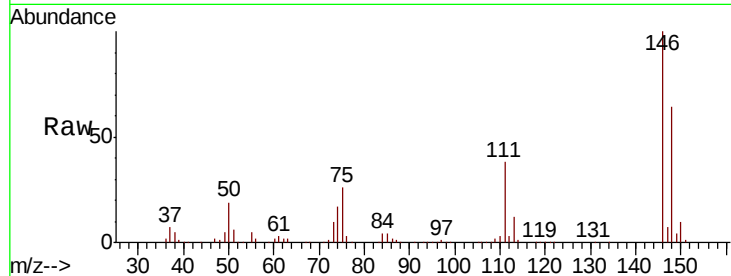




#87
 1,3-Dichlorobenzene
 Concen: 22.164 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

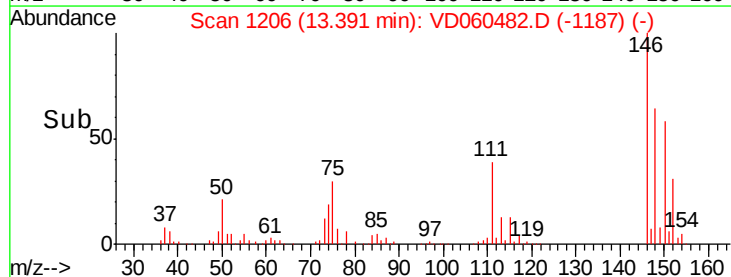
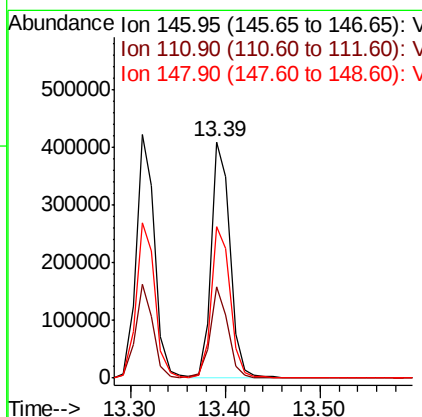
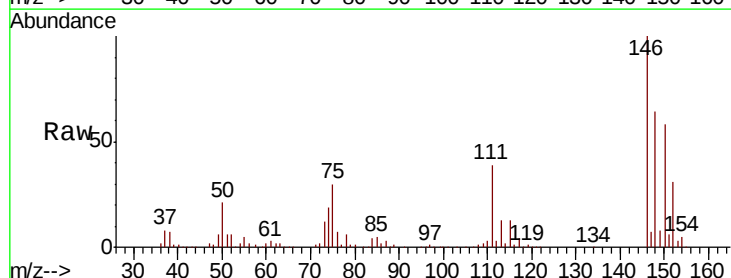
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

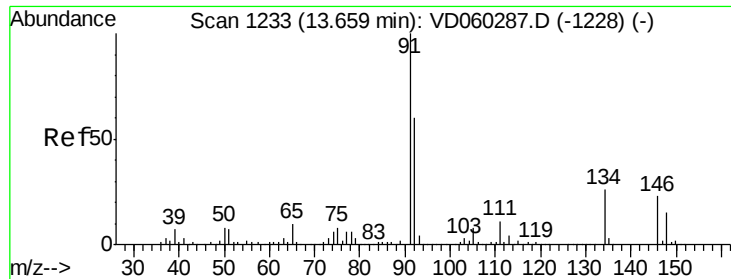
Tot Ion:146 Resp: 577211
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 22.364 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion:146 Resp: 568800
 Ion Ratio Lower Upper
 146 100
 111 38.5 16.0 47.9
 148 63.9 32.9 98.7

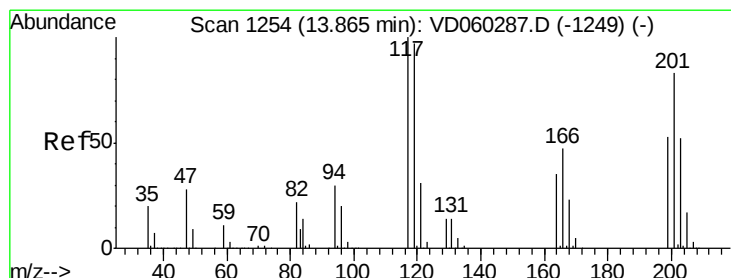
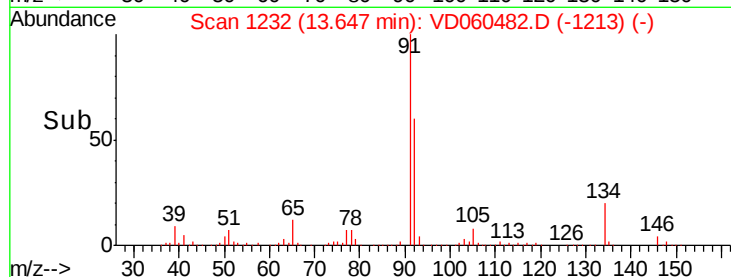
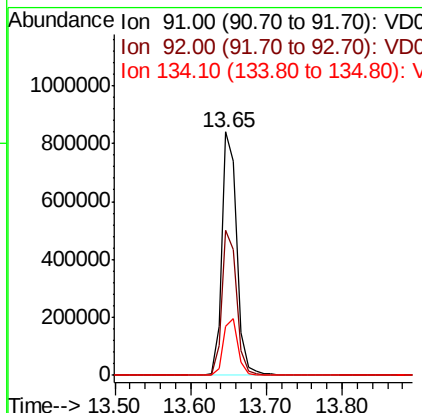
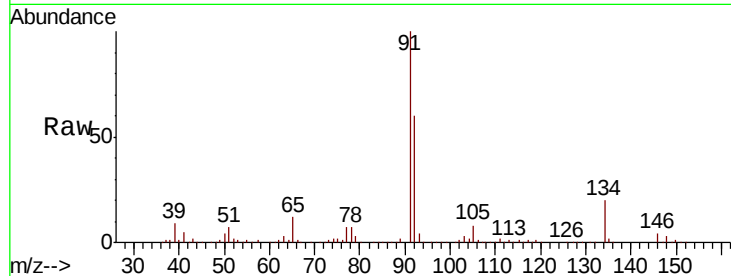




#89
n-Butylbenzene
Concen: 22.804 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

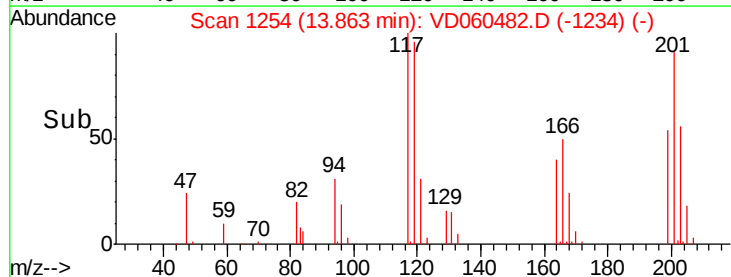
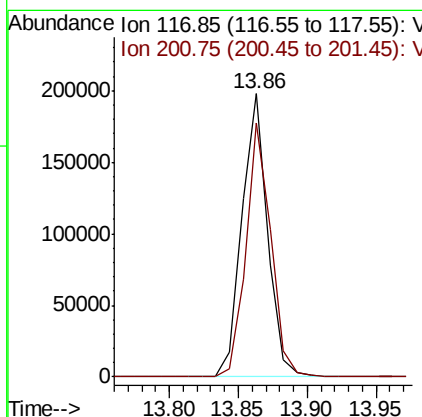
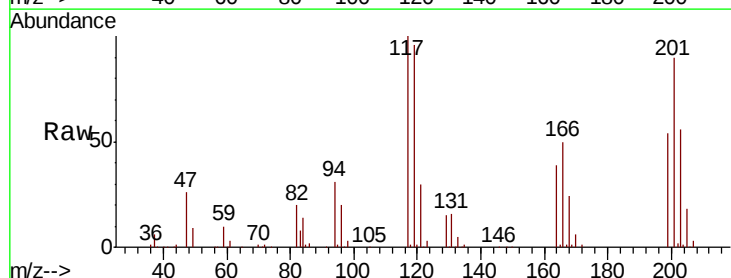
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

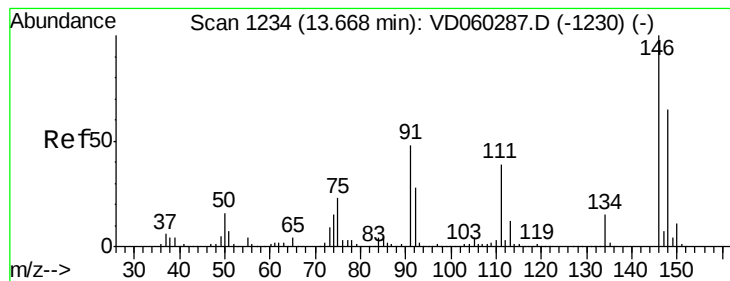
Tot Ion: 91 Resp: 1161380
Ion Ratio Lower Upper
91 100
92 59.7 30.3 90.9
134 20.1 13.0 38.9



#90
Hexachloroethane
Concen: 23.065 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion: 117 Resp: 256919
Ion Ratio Lower Upper
117 100
201 89.8 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 23.283 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

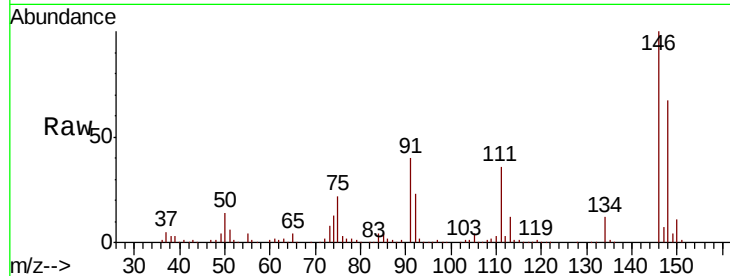
Tot Ion:146 Resp: 498040

Ion Ratio Lower Upper

146 100

111 35.9 18.9 56.9

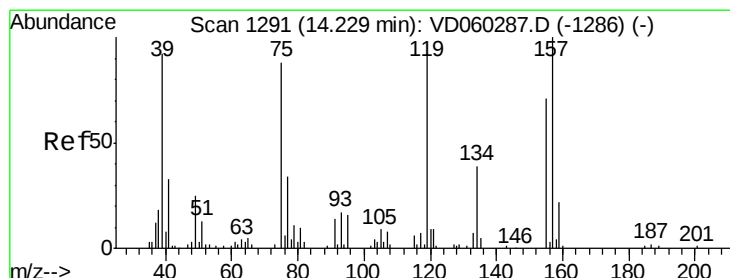
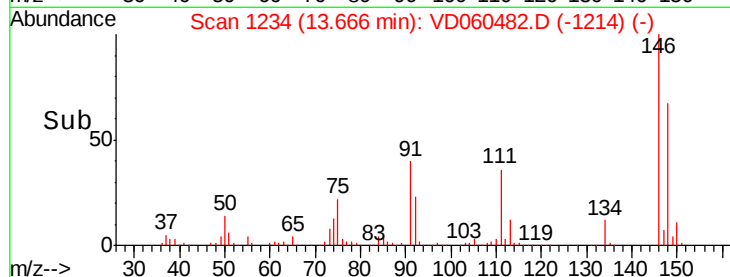
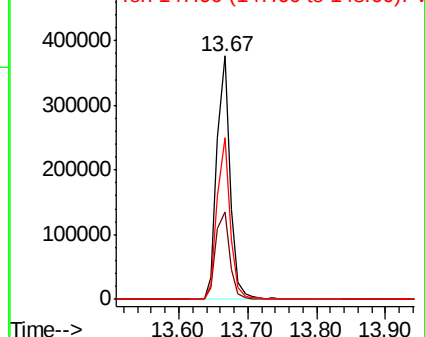
148 66.6 31.6 94.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.550 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VD060482.D

Acq: 4 Dec 2018 12:46

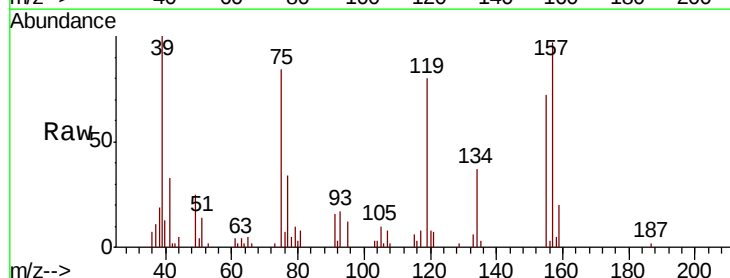
Tgt Ion: 75 Resp: 21268

Ion Ratio Lower Upper

75 100

155 85.6 64.3 192.9

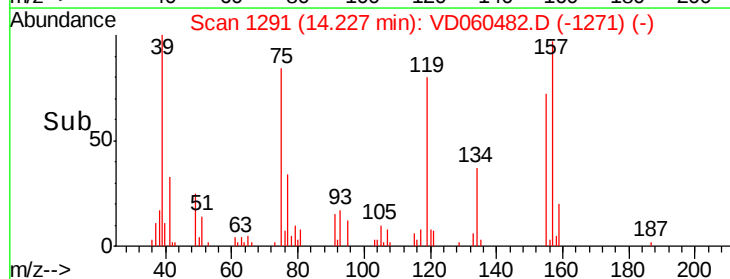
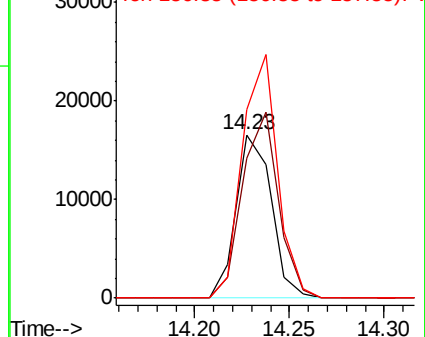
157 115.5 81.0 243.1

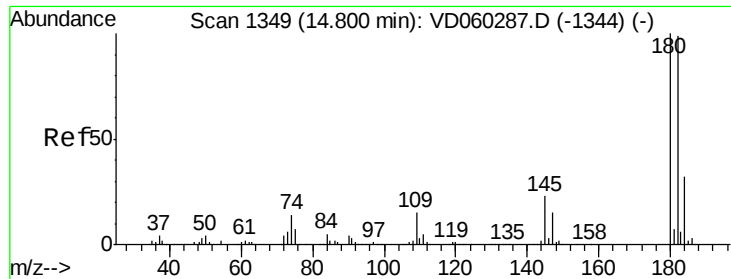


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

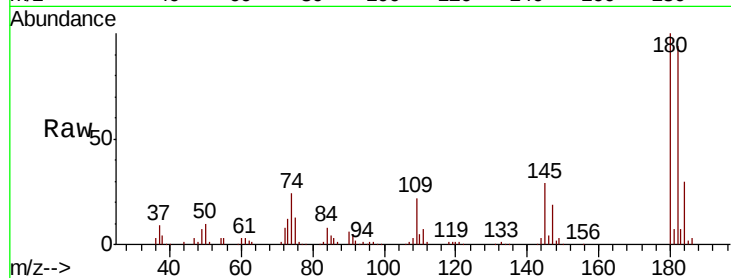




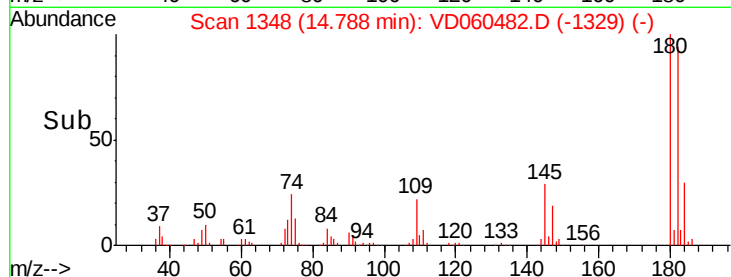
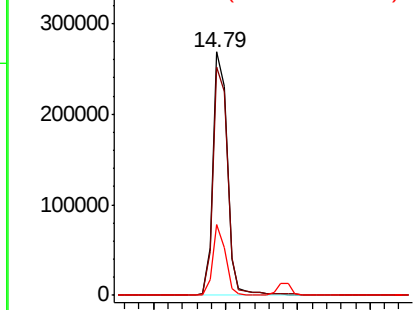
#93
 1,2,4-Trichlorobenzene
 Concen: 21.658 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion:180 Resp: 367312
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.1 144.4
 145 28.9 11.5 34.4

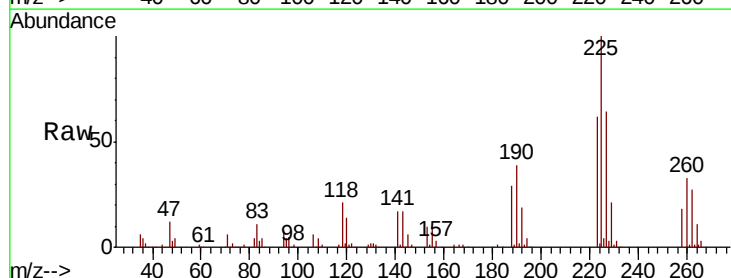


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

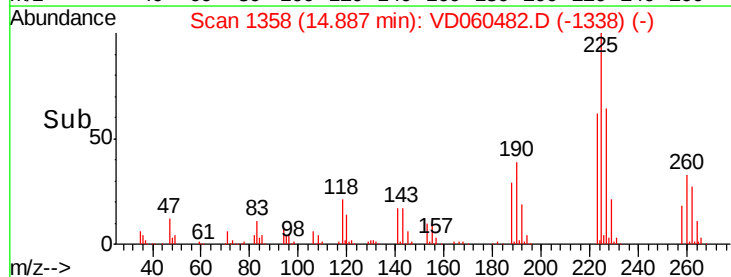
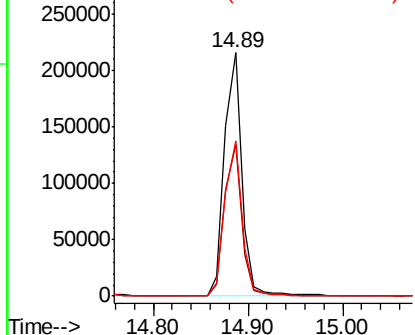


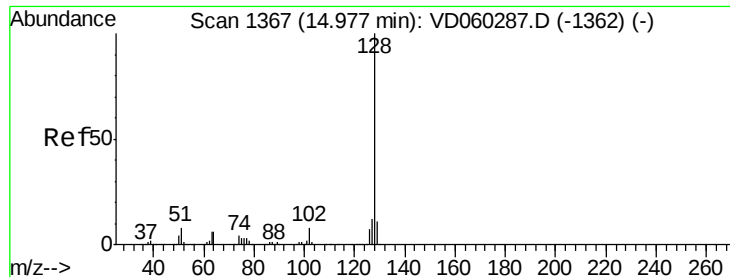
#94
 Hexachlorobutadiene
 Concen: 21.888 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060482.D
 Acq: 4 Dec 2018 12:46

Tgt Ion:225 Resp: 277665
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 94.8
 227 63.7 32.3 96.9



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

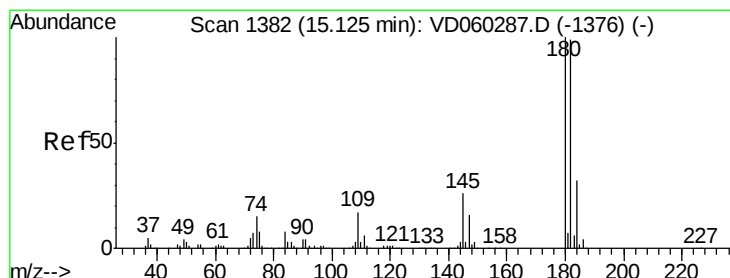
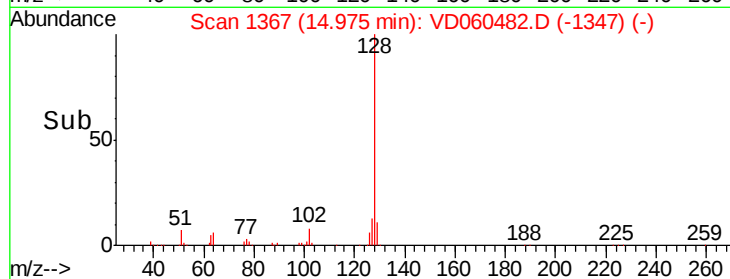
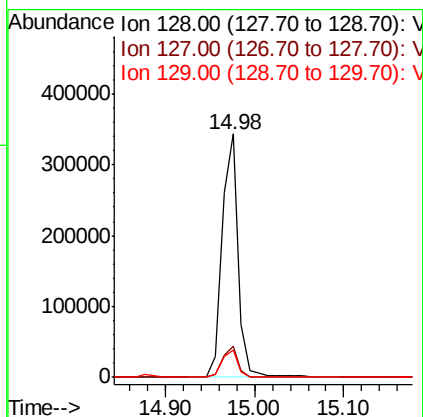
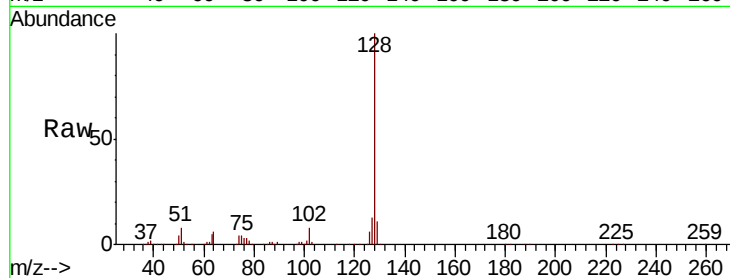




#95
Naphthalene
Concen: 21.095 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion:128 Resp: 436857
Ion Ratio Lower Upper
128 100
127 12.7 9.6 14.4
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.732 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD060482.D
Acq: 4 Dec 2018 12:46

Tgt Ion:180 Resp: 281756
Ion Ratio Lower Upper
180 100
182 96.8 48.9 146.7
145 23.7 12.9 38.6

