

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
 Data File : VD060414.D
 Acq On : 19 Nov 2018 14:01
 Operator : JC/SY
 Sample : VD1119SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Quant Time: Nov 20 14:00:23 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	6.41	168	1347462	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1826415	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1441647	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	720296	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	491282	50.92	ug/l	-0.01
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	6.32	113	757040	55.59	ug/l	-0.01
Spiked Amount			Recovery	=	111.18%	
50) Toluene-d8	9.45	98	2134565	53.55	ug/l	-0.01
Spiked Amount			Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.43	95	772555	53.49	ug/l	-0.01
Spiked Amount			Recovery	=	106.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	272851	23.376	ug/l	99
3) Chloromethane	1.76	50	257799	20.198	ug/l	100
4) Vinyl Chloride	1.86	62	219390	21.047	ug/l	98
5) Bromomethane	2.15	94	42322	17.114	ug/l	92
6) Chloroethane	2.26	64	61870	17.889	ug/l	99
7) Trichlorofluoromethane	2.51	101	256202	20.848	ug/l	100
8) Diethyl Ether	2.83	74	42686	19.185	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.09	101	167325	20.701	ug/l	99
10) Methyl Iodide	3.25	142	189000	18.003	ug/l	97
11) Tert butyl alcohol	3.97	59	42176	106.456	ug/l #	87
12) 1,1-Dichloroethene	3.08	96	134651	20.480	ug/l	97
13) Acrolein	2.99	56	34637	73.990	ug/l	99
14) Allyl chloride	3.54	41	267852	21.292	ug/l	98
15) Acrylonitrile	4.09	53	238847	103.382	ug/l	99
16) Acetone	3.17	43	175101	104.628	ug/l	98
17) Carbon Disulfide	3.31	76	414879	19.550	ug/l	99
18) Methyl Acetate	3.56	43	72396	20.288	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	417107	21.187	ug/l	98
20) Methylene Chloride	3.73	84	338332	22.790	ug/l	96
21) trans-1,2-Dichloroethene	4.10	96	316931	21.710	ug/l	97
22) Diisopropyl ether	4.86	45	1007528	21.437	ug/l	99
23) Vinyl Acetate	4.81	43	2501254	106.954	ug/l	99
24) 1,1-Dichloroethane	4.76	63	512626	21.270	ug/l	99
25) 2-Butanone	5.63	43	359165	103.250	ug/l	100
26) 2,2-Dichloropropane	5.59	77	417335	22.272	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	334064	21.966	ug/l	97
28) Bromochloromethane	5.93	49	223154	20.985	ug/l	94
29) Tetrahydrofuran	5.95	42	184240	100.457	ug/l	99
30) Chloroform	6.10	83	529050	21.958	ug/l	99
31) Cyclohexane	6.37	56	477380	20.724	ug/l	94
32) 1,1,1-Trichloroethane	6.29	97	446706	22.010	ug/l	99
36) 1,1-Dichloropropene	6.52	75	394482	21.862	ug/l	98
37) Ethyl Acetate	5.69	43	181249	21.829	ug/l #	98
38) Carbon Tetrachloride	6.50	117	375405	22.428	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	438526	21.130	ug/l	98
40) Benzene	6.80	78	976861	21.209	ug/l	97
41) Methacrylonitrile	5.95	41	197479	20.780	ug/l #	95
42) 1,2-Dichloroethane	6.90	62	264765	21.961	ug/l	98
43) Isopropyl Acetate	8.35	43	216277	20.736	ug/l #	99
44) Trichloroethene	7.74	130	313508	22.454	ug/l	99
45) 1,2-Dichloropropane	8.11	63	257396	22.158	ug/l	100
46) Dibromomethane	8.21	93	145478	21.383	ug/l	99
47) Bromodichloromethane	8.49	83	347599	21.681	ug/l	98
48) Methyl methacrylate	8.24	41	135040	21.315	ug/l	97
49) 1,4-Dioxane	8.23	88	24623	449.200	ug/l #	85
51) 4-Methyl-2-Pentanone	9.35	43	718666	105.867	ug/l	98
52) Toluene	9.55	92	650574	22.112	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	285429	21.071	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	371744	21.396	ug/l	93
55) 1,1,2-Trichloroethane	10.18	97	183062	21.467	ug/l	95
56) Ethyl methacrylate	10.03	69	161581	20.608	ug/l	99
57) 1,3-Dichloropropane	10.39	76	270766	20.837	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	504924	106.504	ug/l	99
59) 2-Hexanone	10.49	43	535406	110.659	ug/l	99
60) Dibromochloromethane	10.64	129	226304	21.831	ug/l	99
61) 1,2-Dibromoethane	10.76	107	188955	22.115	ug/l	99
64) Tetrachloroethene	10.25	164	280716	21.811	ug/l	99
65) Chlorobenzene	11.31	112	689517	22.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	230575	22.561	ug/l	98
67) Ethyl Benzene	11.43	91	1220401	22.839	ug/l	100
68) m/p-Xylenes	11.57	106	904378	45.882	ug/l	100
69) o-Xylene	11.93	106	428799	22.518	ug/l	98
70) Styrene	11.95	104	701691	22.801	ug/l	97
71) Bromoform	12.12	173	147231	21.438	ug/l	98
73) Isopropylbenzene	12.28	105	1229471	23.428	ug/l	100
74) N-amyl acetate	12.13	43	290943	21.624	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	174785	20.365	ug/l	94
76) 1,2,3-Trichloropropane	12.59	75	182021	21.125	ug/l	99
77) Bromobenzene	12.54	156	307809	22.081	ug/l	93
78) n-propylbenzene	12.64	91	1480962	22.609	ug/l	99
79) 2-Chlorotoluene	12.71	91	826795	23.046	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	959469	23.526	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	51902	21.158	ug/l	98
82) 4-Chlorotoluene	12.81	91	945582	23.464	ug/l	97
83) tert-Butylbenzene	13.05	119	1055112	23.302	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	950894	23.346	ug/l	97
85) sec-Butylbenzene	13.22	105	1292579	23.268	ug/l	98
86) p-Isopropyltoluene	13.34	119	1060208	23.699	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	558552	22.522	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	562726	23.233	ug/l	94
89) n-Butylbenzene	13.65	91	1067236	21.907	ug/l	97
90) Hexachloroethane	13.86	117	245613	23.154	ug/l	86
91) 1,2-Dichlorobenzene	13.67	146	476804	23.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21696	20.942	ug/l	75

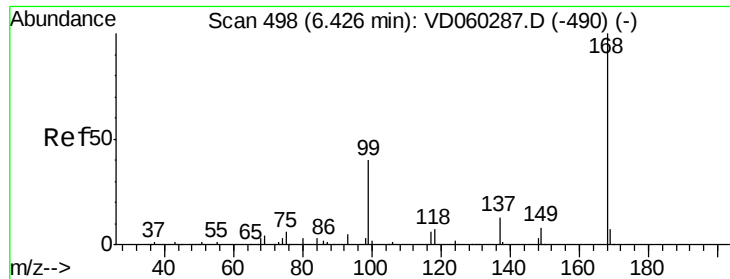
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	355646	22.020	ug/l	97
94) Hexachlorobutadiene	14.89	225	263184	21.786	ug/l	98
95) Naphthalene	14.96	128	435255	22.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	287685	22.228	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

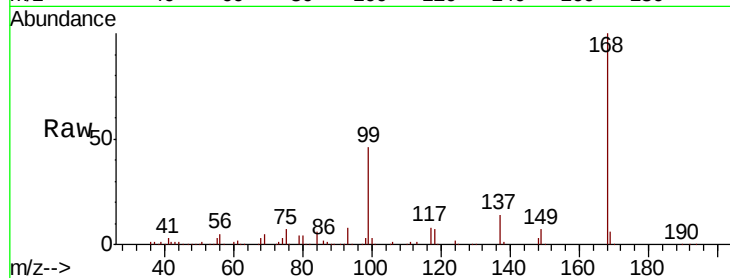
VD1119SBSD01

Tot Ion:168 Resp: 1347462

Ion Ratio Lower Upper

168 100

99 46.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

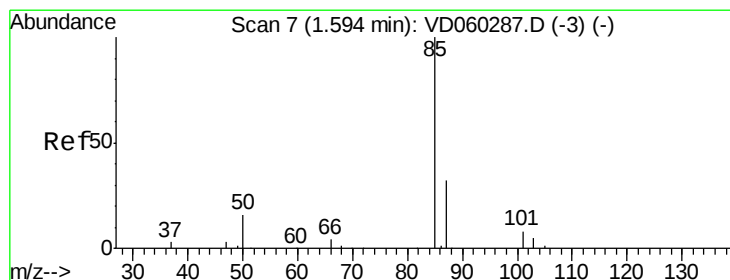
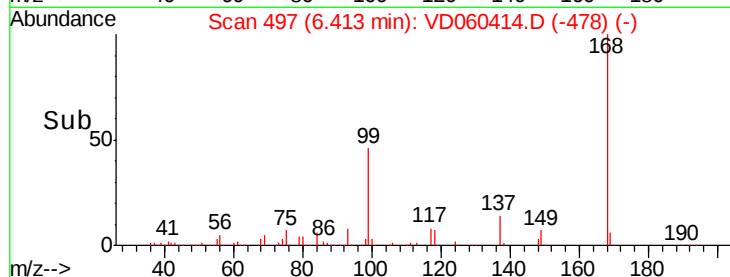
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.376 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060414.D

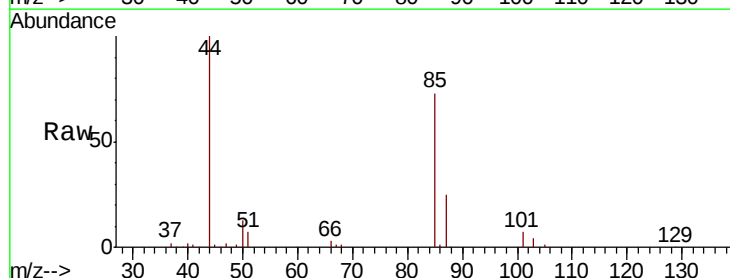
Acq: 19 Nov 2018 14:01

Tgt Ion: 85 Resp: 272851

Ion Ratio Lower Upper

85 100

87 34.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

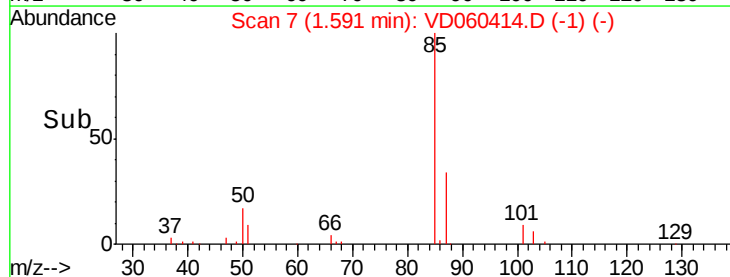
1.59

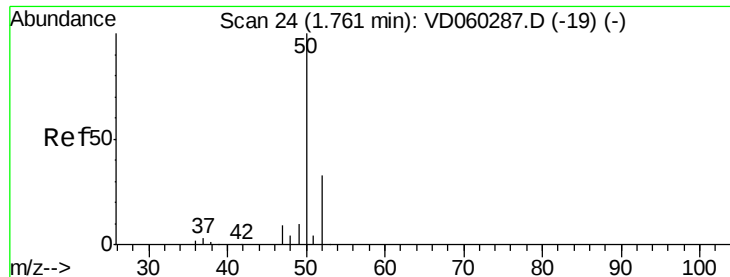
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.198 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

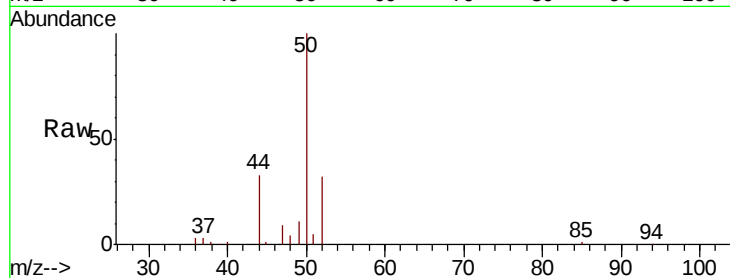
VD1119SBS01

Tot Ion: 50 Resp: 257799

Ion Ratio Lower Upper

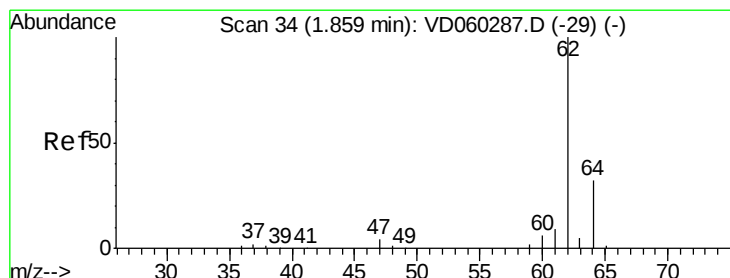
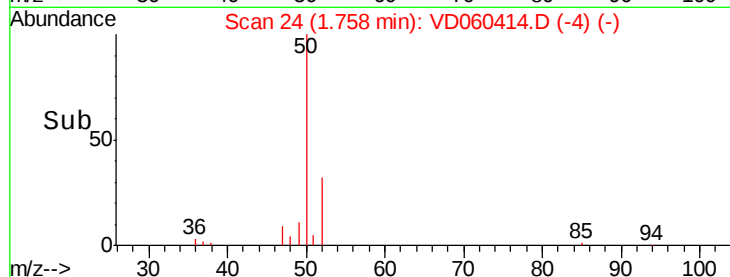
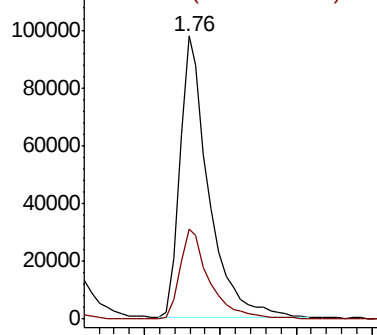
50 100

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: 21.047 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060414.D

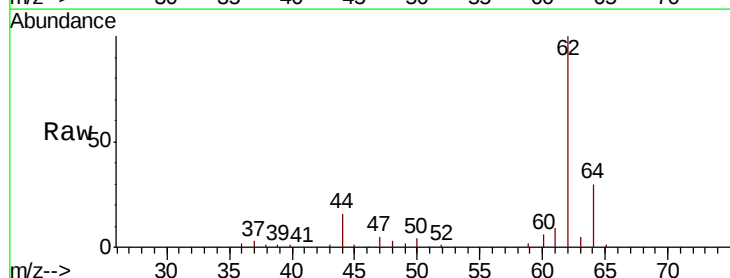
Acq: 19 Nov 2018 14:01

Tgt Ion: 62 Resp: 219390

Ion Ratio Lower Upper

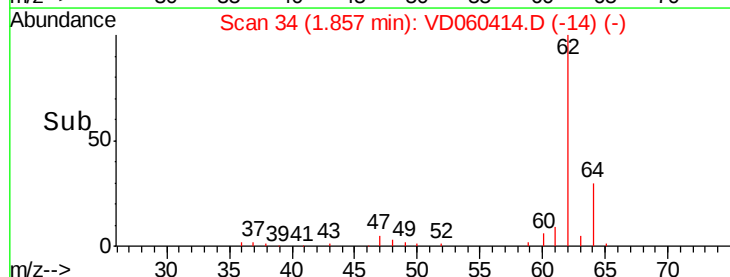
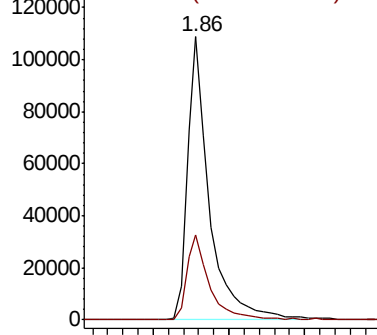
62 100

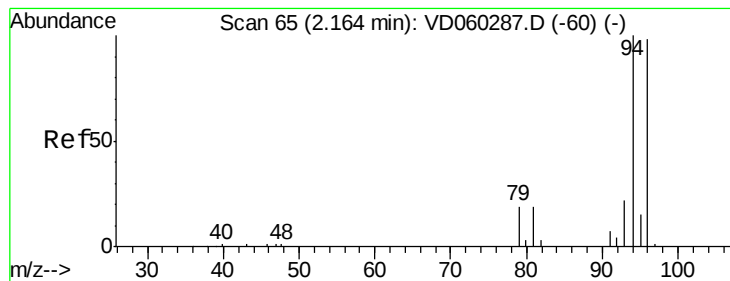
64 29.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.114 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

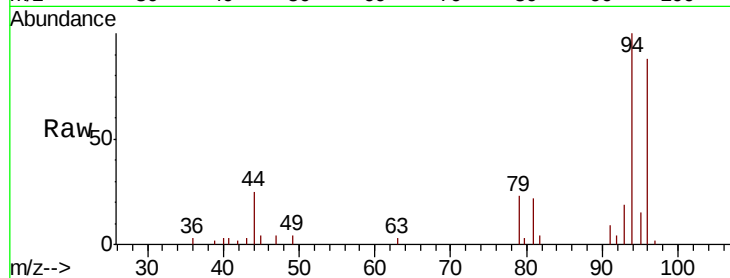
VD1119SBS01

Tot Ion: 94 Resp: 42322

Ion Ratio Lower Upper

94 100

96 88.3 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

20000

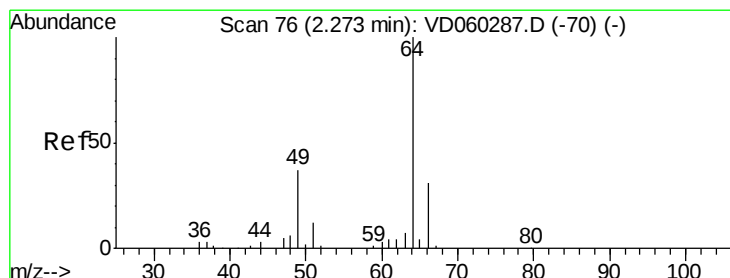
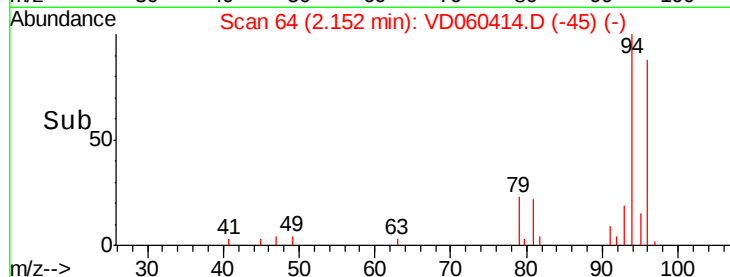
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.889 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060414.D

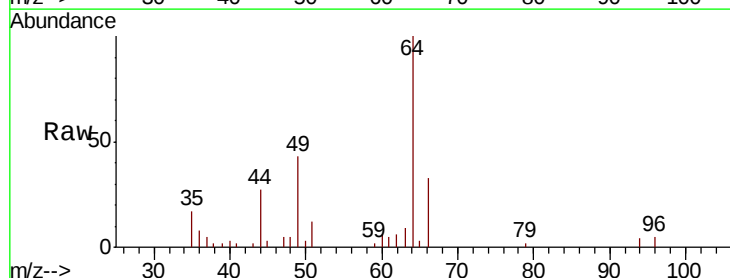
Acq: 19 Nov 2018 14:01

Tgt Ion: 64 Resp: 61870

Ion Ratio Lower Upper

64 100

66 33.0 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.26

25000

20000

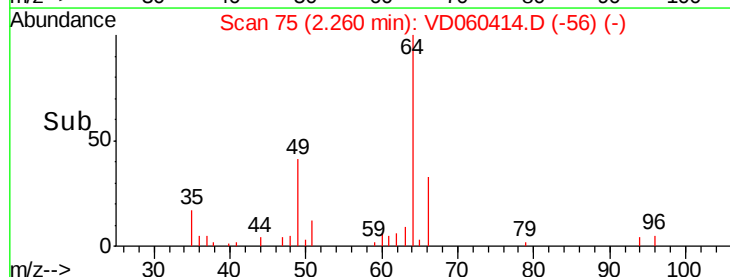
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5000

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Time-->



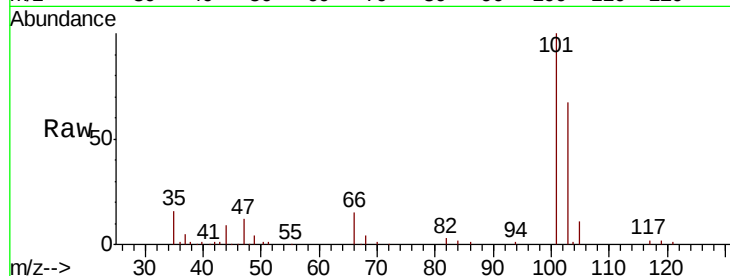


#7

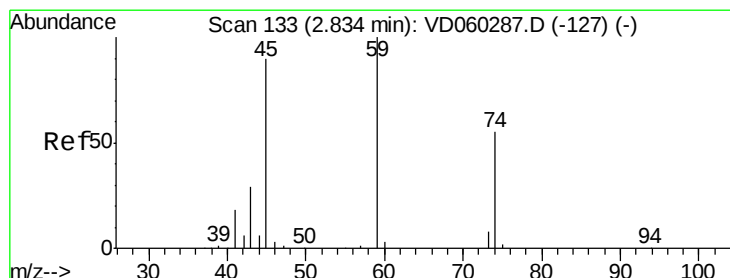
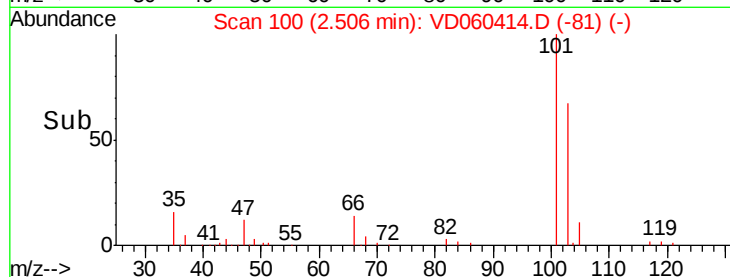
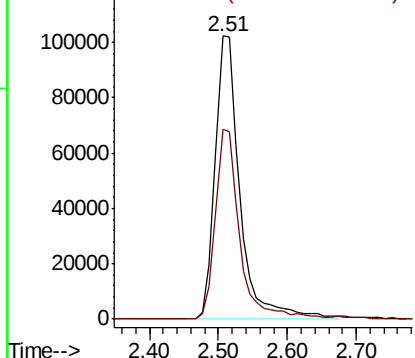
Trichlorofluoromethane
 Concen: 20.848 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

Tot Ion:101 Resp: 256202
 Ion Ratio Lower Upper
 101 100
 103 67.3 53.6 80.4



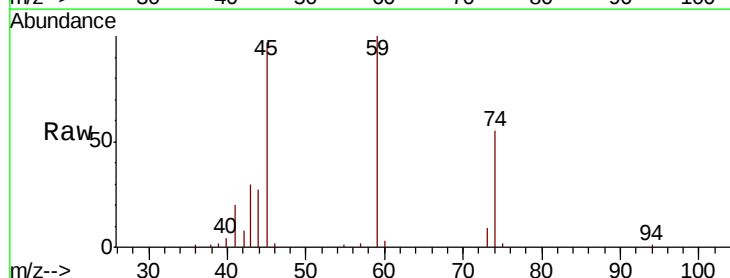
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



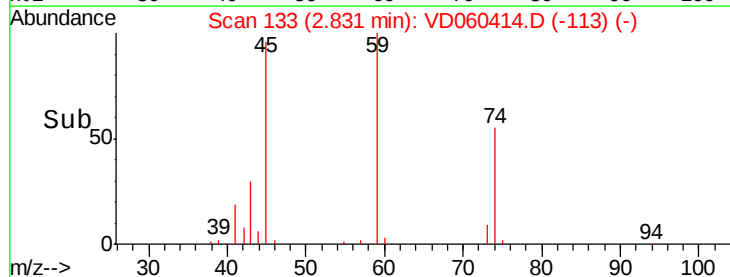
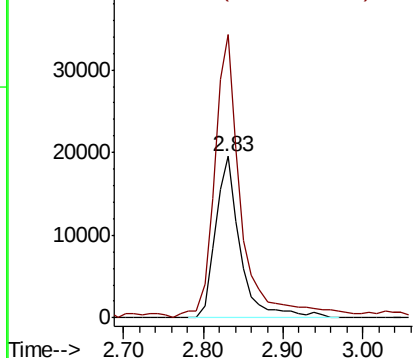
#8

Diethyl Ether
 Concen: 19.185 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 74 Resp: 42686
 Ion Ratio Lower Upper
 74 100
 45 175.6 84.8 254.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.701 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBSD01

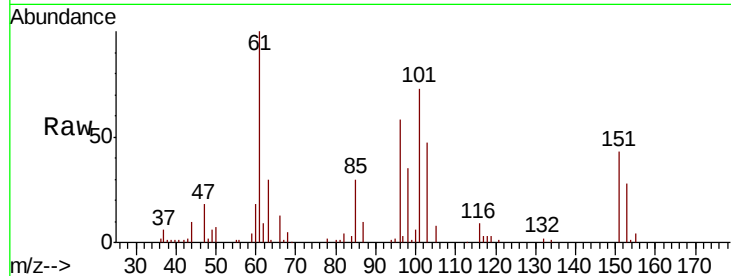
Tot Ion:101 Resp: 167325

Ion Ratio Lower Upper

101 100

85 40.2 31.4 47.0

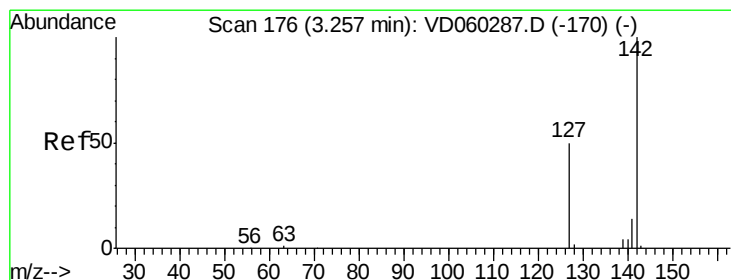
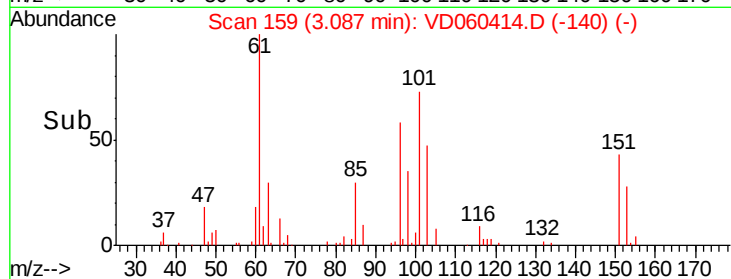
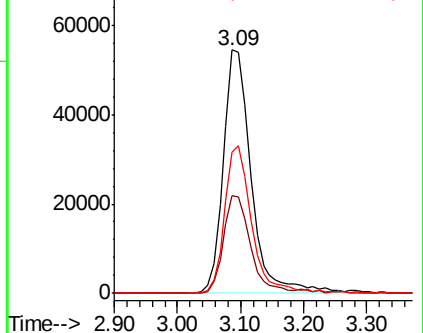
151 58.2 47.4 71.0



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: 18.003 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

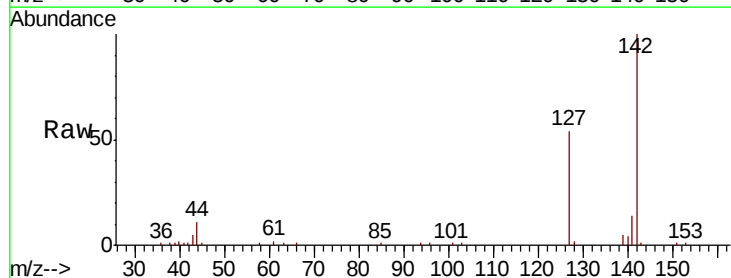
Tgt Ion:142 Resp: 189000

Ion Ratio Lower Upper

142 100

127 53.8 41.0 61.6

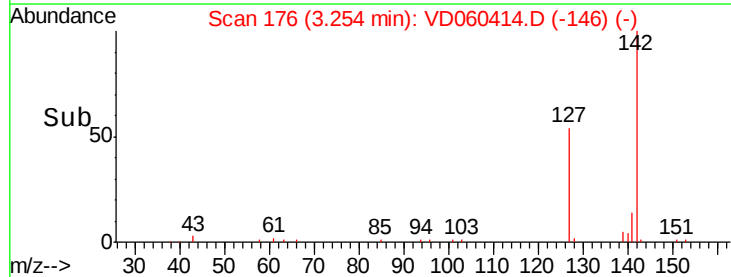
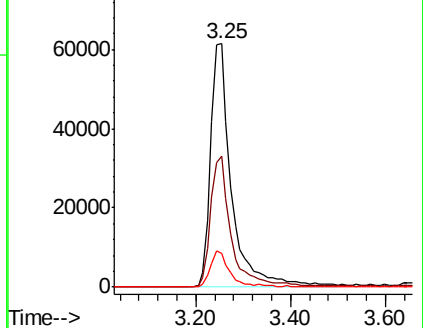
141 14.0 11.9 17.9

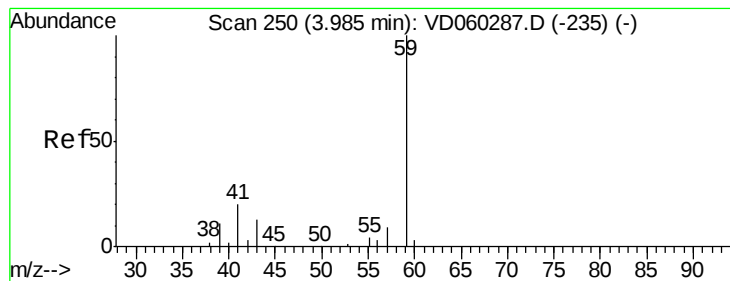


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



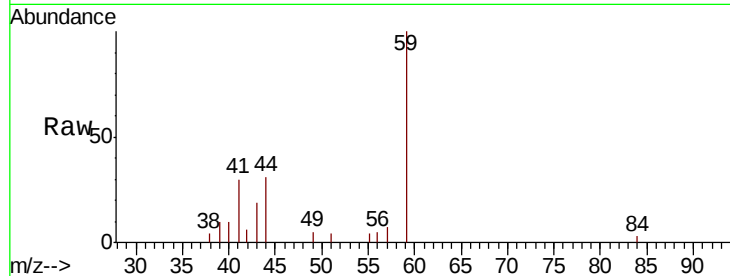


#11

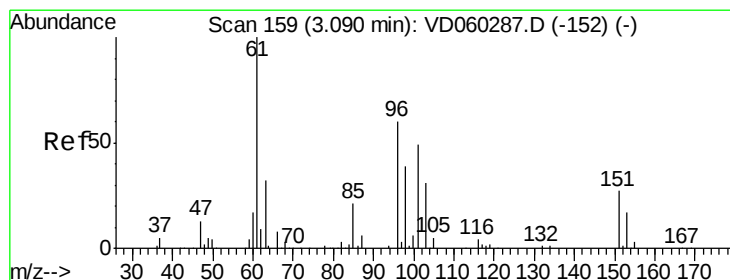
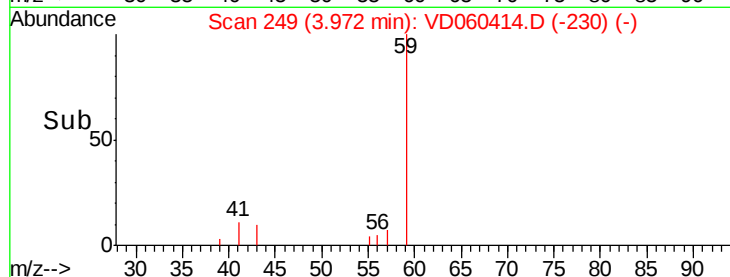
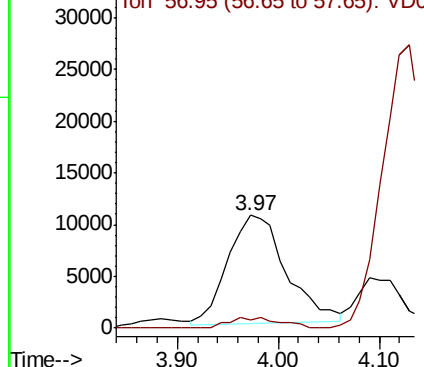
Tert butyl alcohol
 Concen: 106.456 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion: 59 Resp: 42176
 Ion Ratio Lower Upper
 59 100
 57 6.8 9.3 13.9#



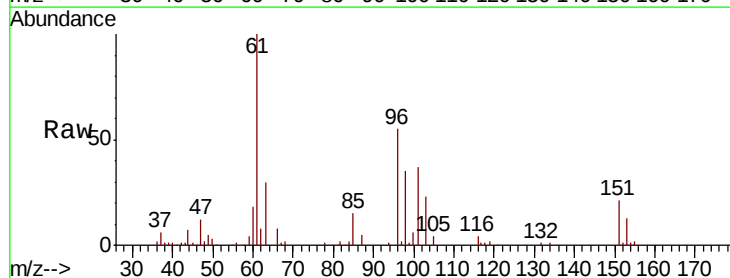
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



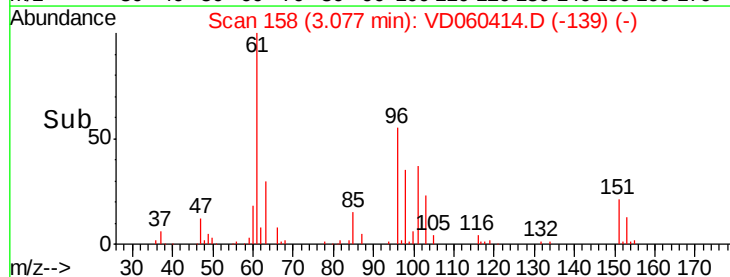
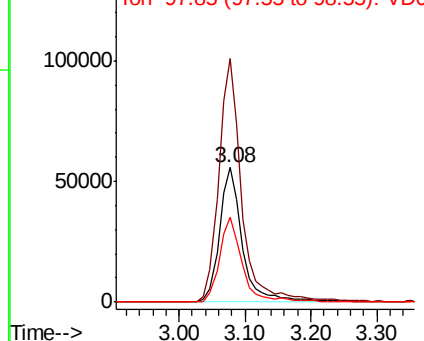
#12

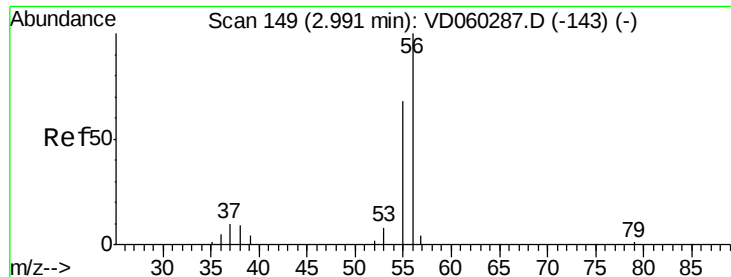
1,1-Dichloroethene
 Concen: 20.480 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 96 Resp: 134651
 Ion Ratio Lower Upper
 96 100
 61 181.2 142.2 213.4
 98 63.5 52.6 79.0



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





#13

Acrolein

Concen: 73.990 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

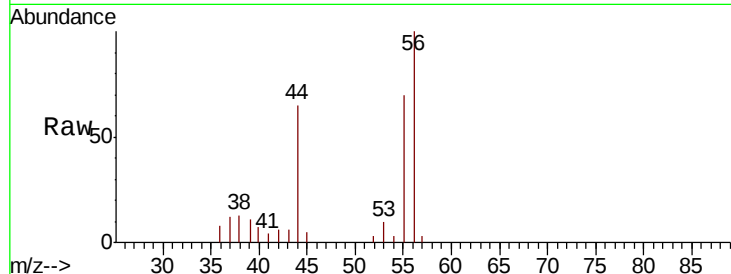
VD1119SBS01

Tot Ion: 56 Resp: 34637

Ion Ratio Lower Upper

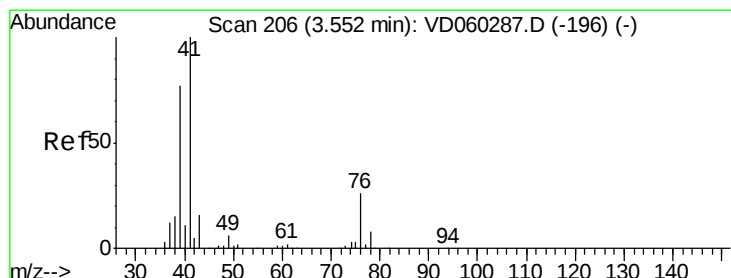
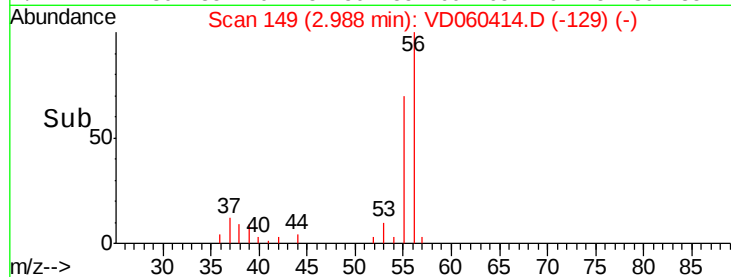
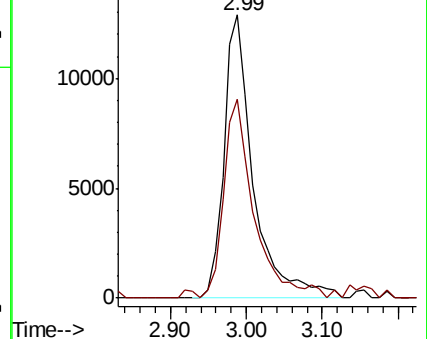
56 100

55 70.4 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: 21.292 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

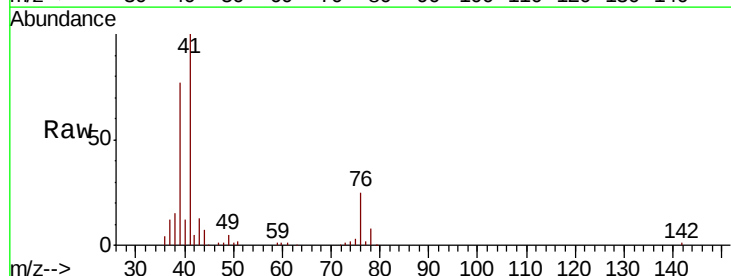
Tgt Ion: 41 Resp: 267852

Ion Ratio Lower Upper

41 100

39 76.7 60.4 90.6

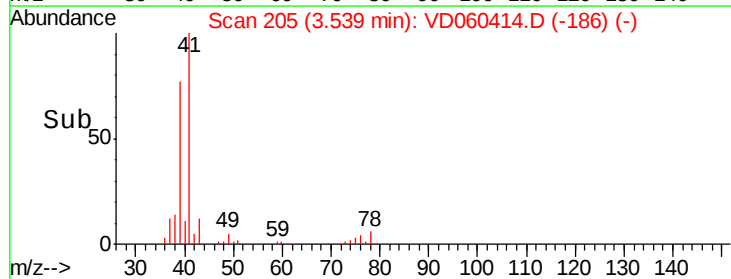
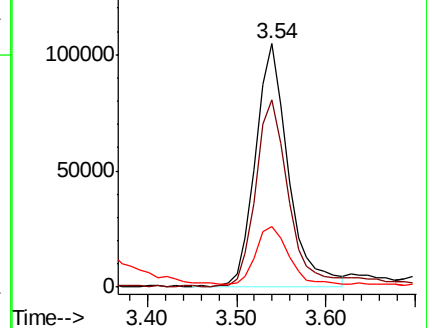
76 25.0 21.8 32.8



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: 103.382 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

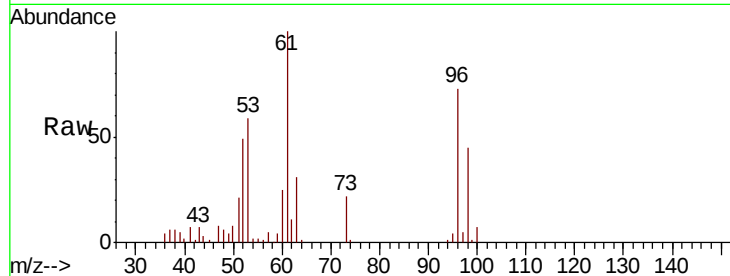
Tot Ion: 53 Resp: 238847

Ion Ratio Lower Upper

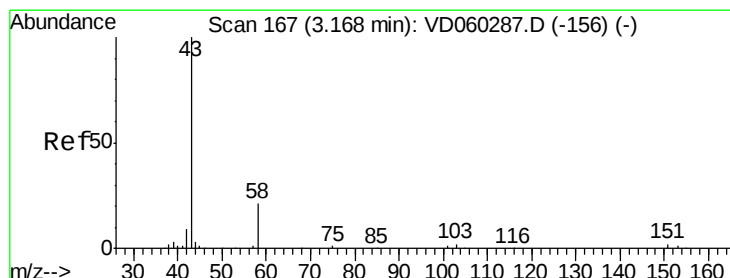
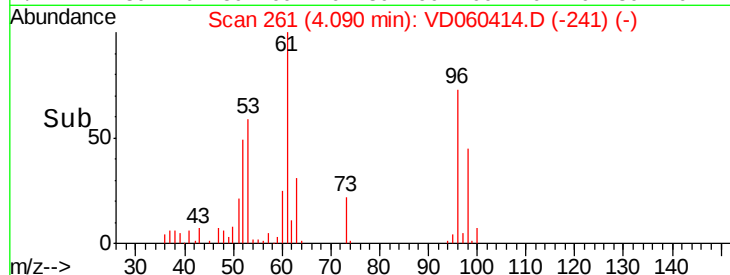
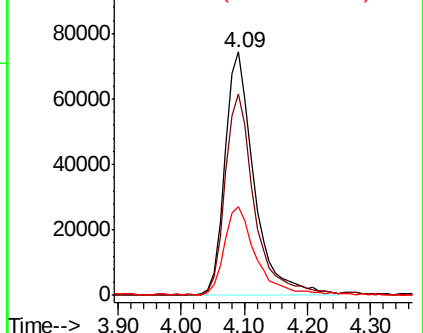
53 100

52 82.6 67.0 100.4

51 36.2 29.9 44.9



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



#16

Acetone

Concen: 104.628 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060414.D

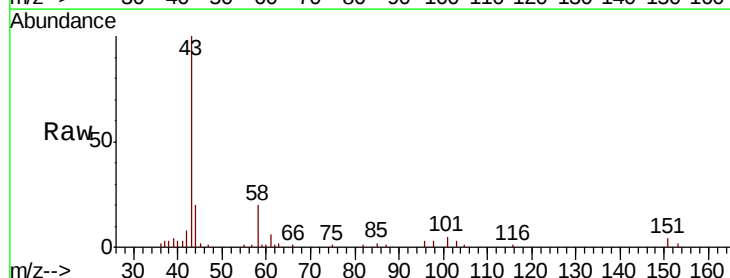
Acq: 19 Nov 2018 14:01

Tgt Ion: 43 Resp: 175101

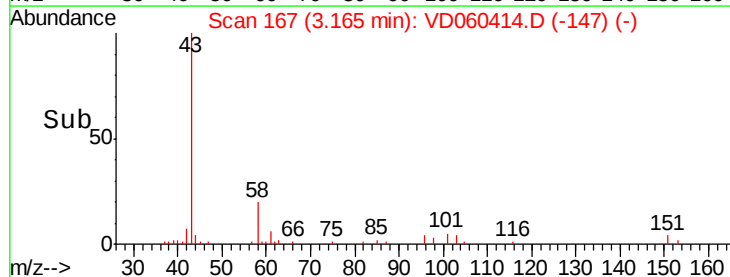
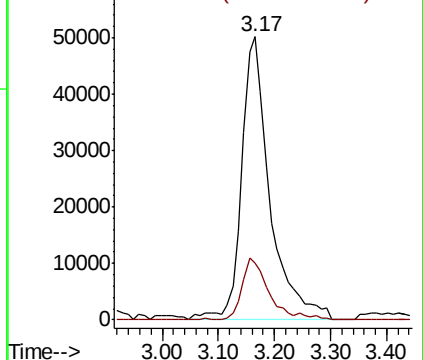
Ion Ratio Lower Upper

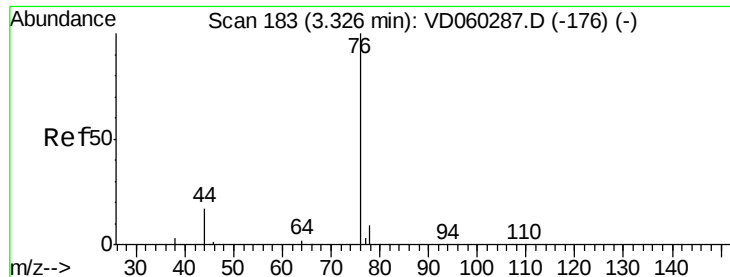
43 100

58 20.0 16.9 25.3



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

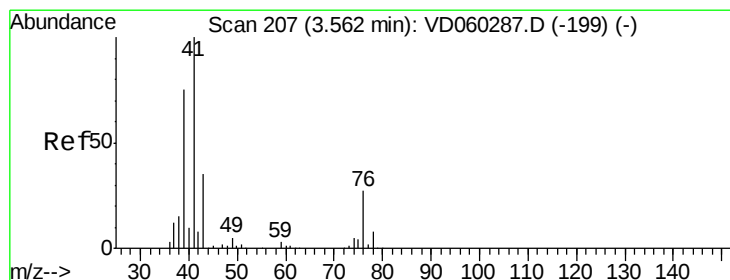
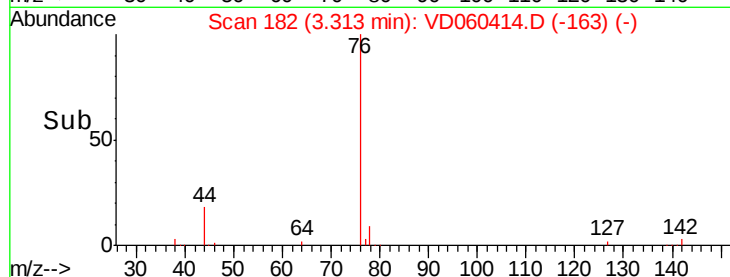
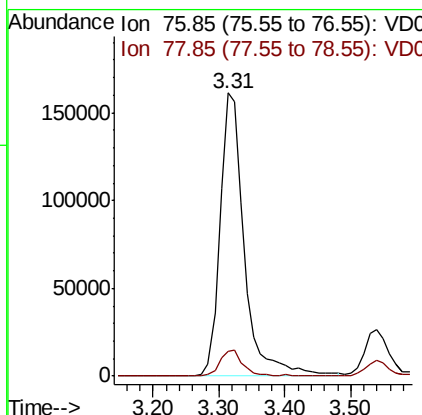
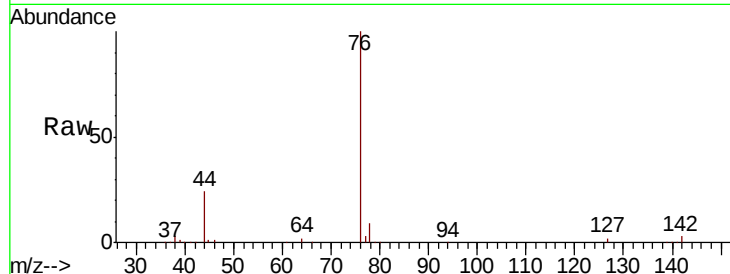




#17
Carbon Disulfide
Concen: 19.550 ug/l
RT: 3.31 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

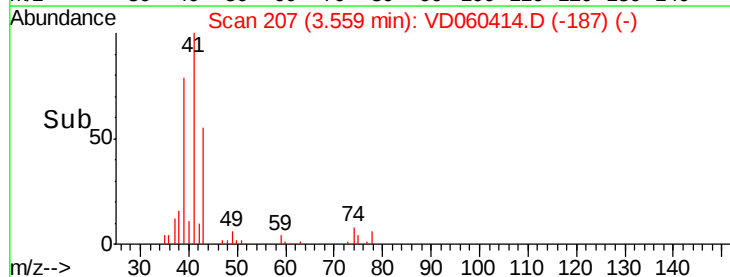
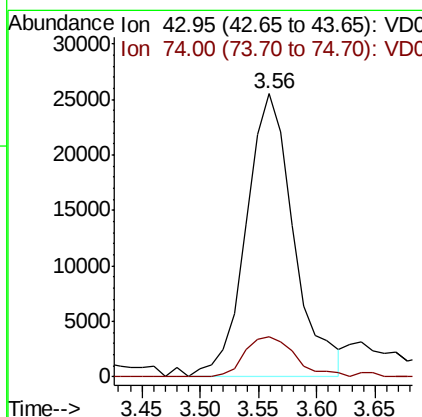
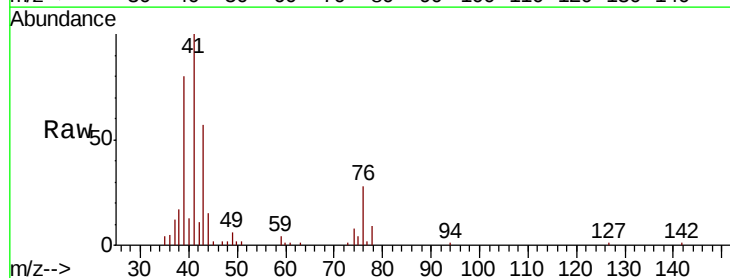
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

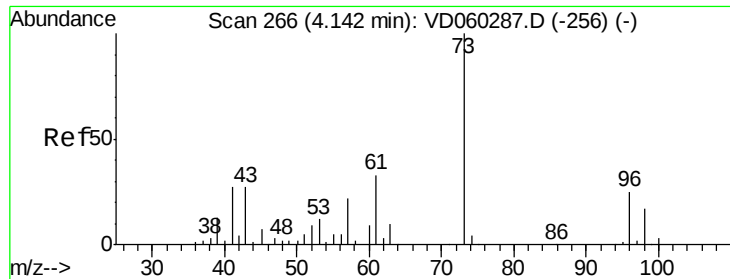
Tot Ion: 76 Resp: 414879
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 20.288 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 43 Resp: 72396
Ion Ratio Lower Upper
43 100
74 14.2 12.4 18.6



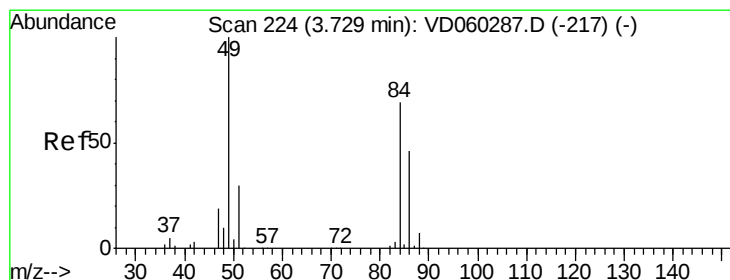
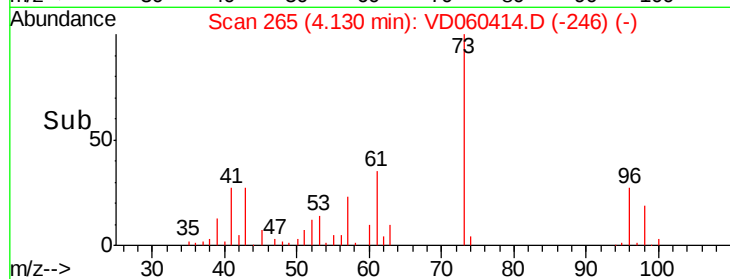
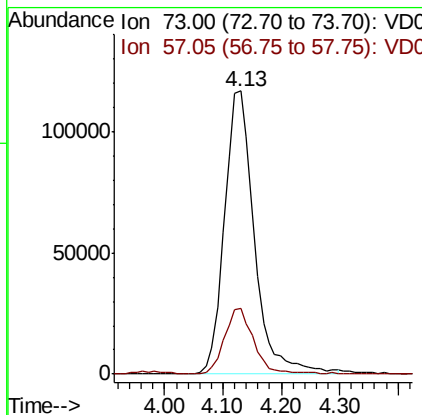
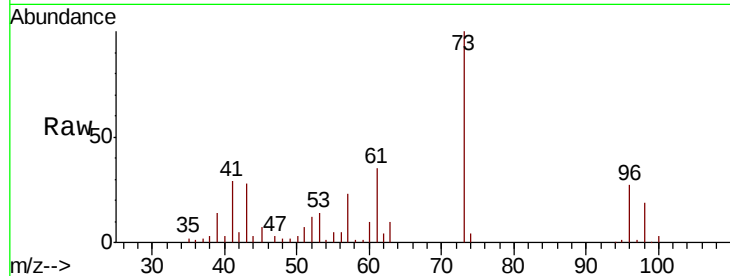


#19

Methyl tert-butyl Ether
 Concen: 21.187 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

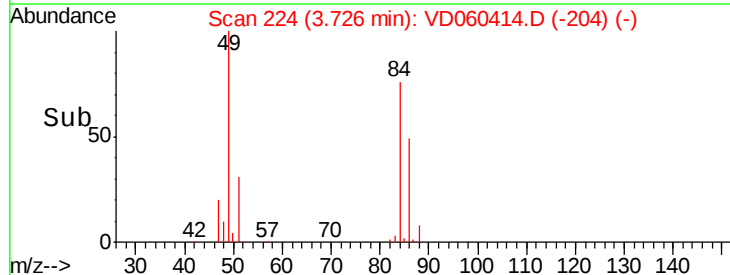
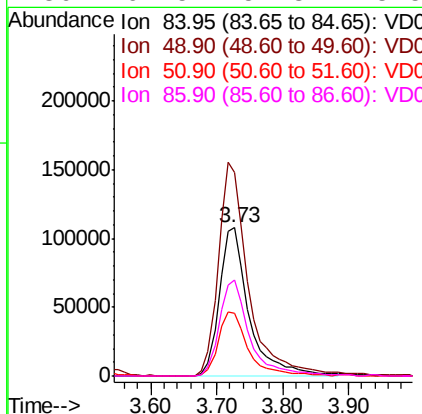
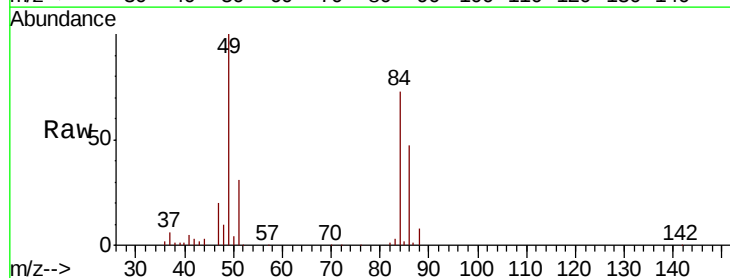
Tot Ion: 73 Resp: 417107
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.1 27.1

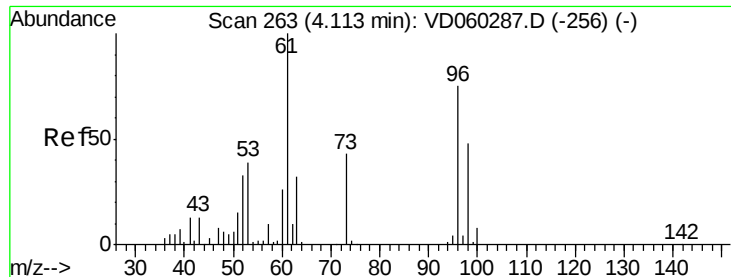


#20

Methylene Chloride
 Concen: 22.790 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 84 Resp: 338332
 Ion Ratio Lower Upper
 84 100
 49 137.1 115.6 173.4
 51 42.5 35.6 53.4
 86 64.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.710 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBSD01

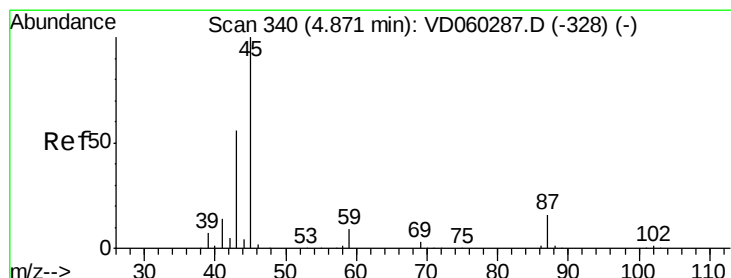
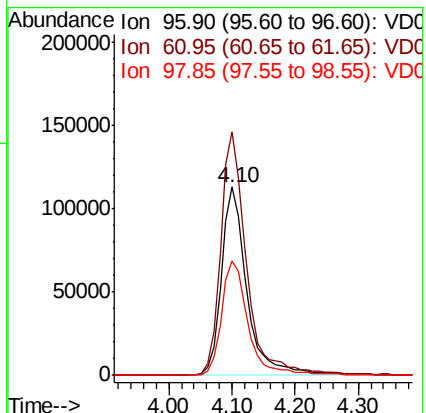
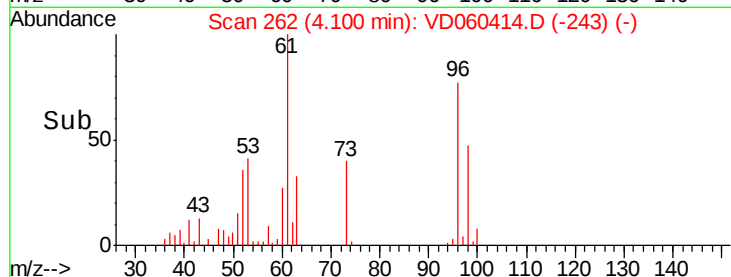
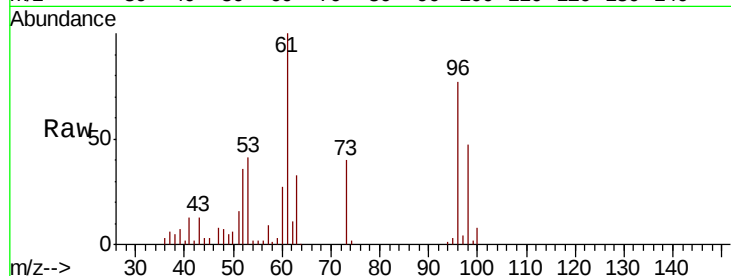
Tot Ion: 96 Resp: 316931

Ion Ratio Lower Upper

96 100

61 129.3 105.8 158.6

98 60.7 50.8 76.2



#22

Diisopropyl ether

Concen: 21.437 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Tgt Ion: 45 Resp: 1007528

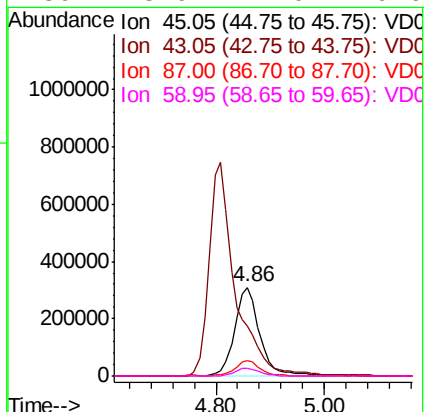
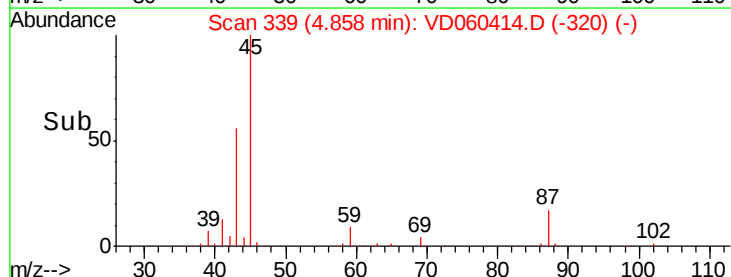
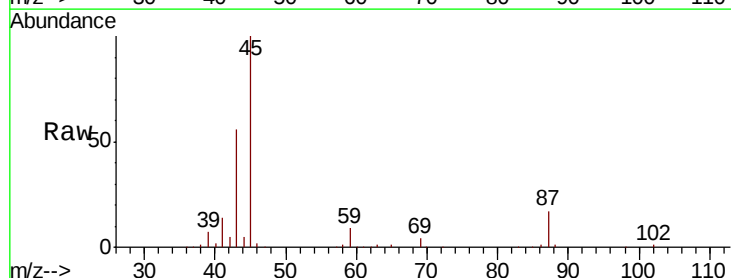
Ion Ratio Lower Upper

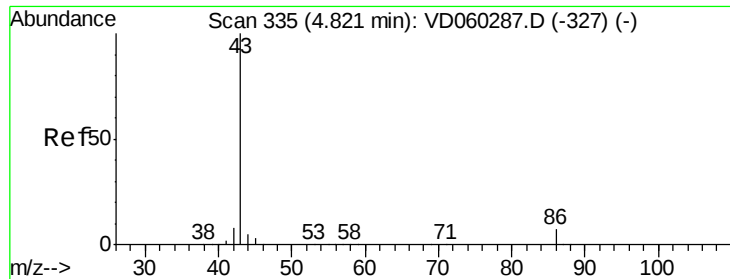
45 100

43 55.7 44.9 67.3

87 16.9 13.9 20.9

59 8.9 7.0 10.6

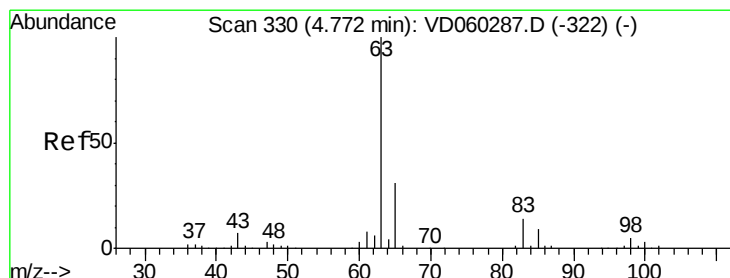
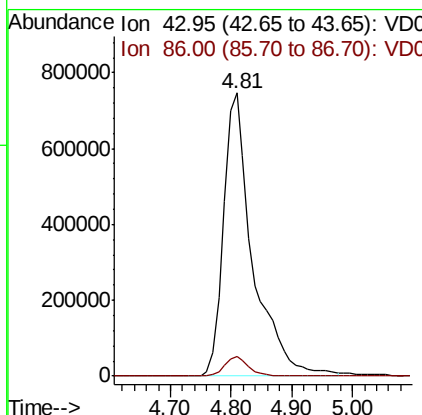
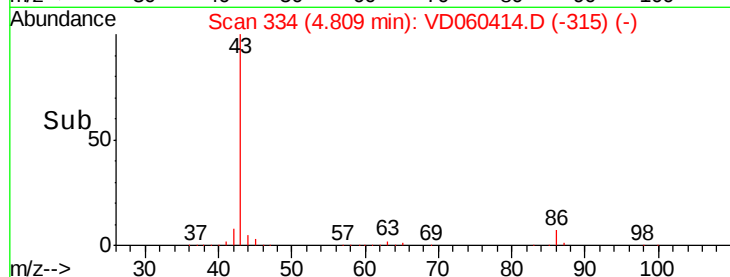
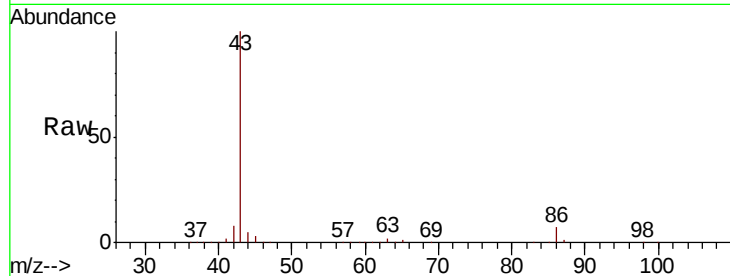




#23
 Vinyl Acetate
 Concen: 106.954 ug/l
 RT: 4.81 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

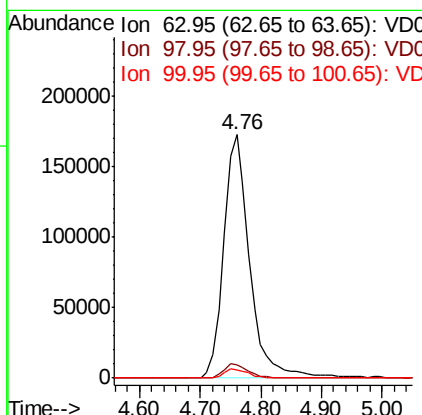
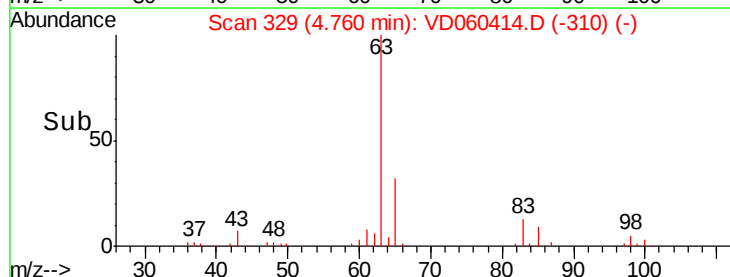
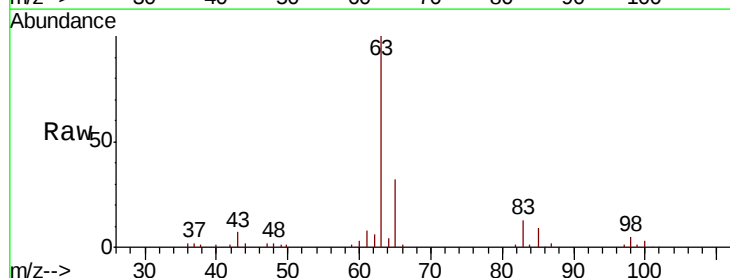
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

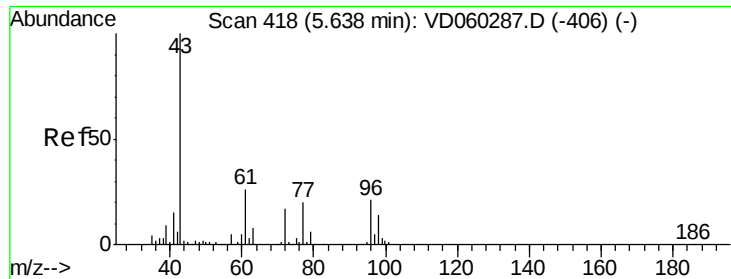
Tot Ion: 43 Resp: 2501254
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 21.270 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 63 Resp: 512626
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.3 1.8 5.5

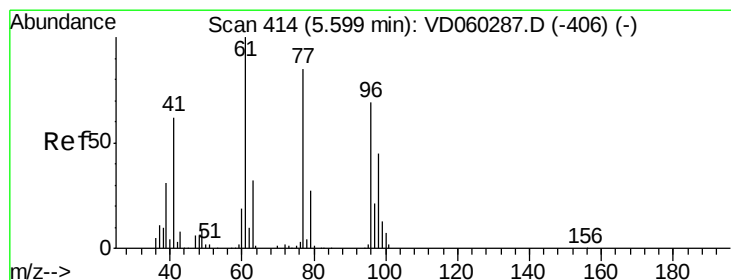
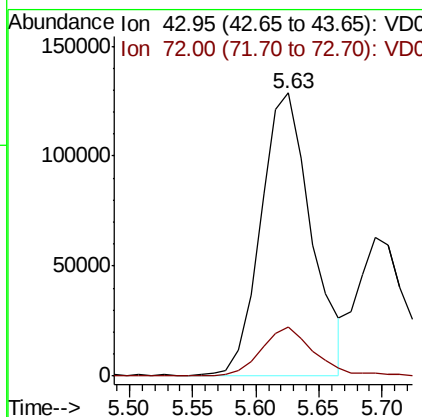
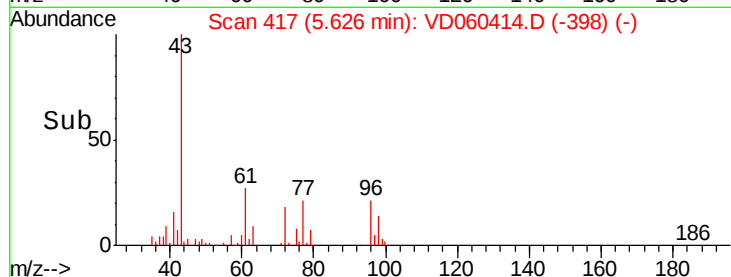
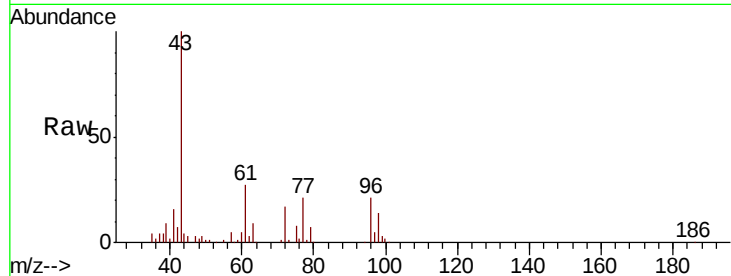




#25
2-Butanone
Concen: 103.250 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

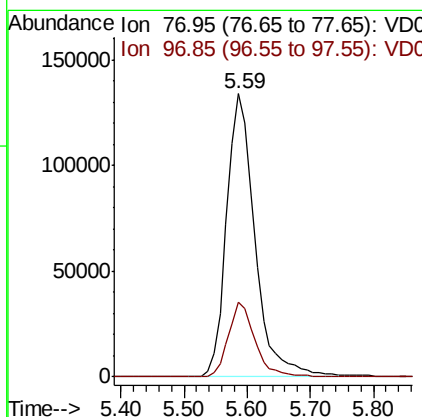
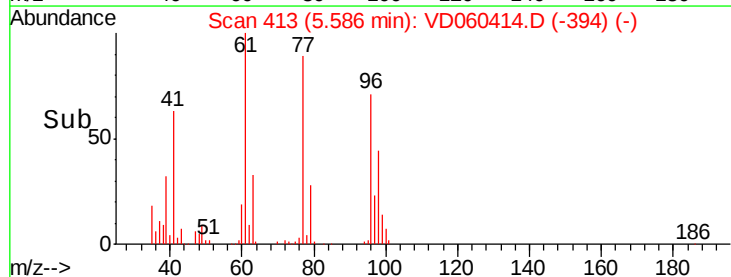
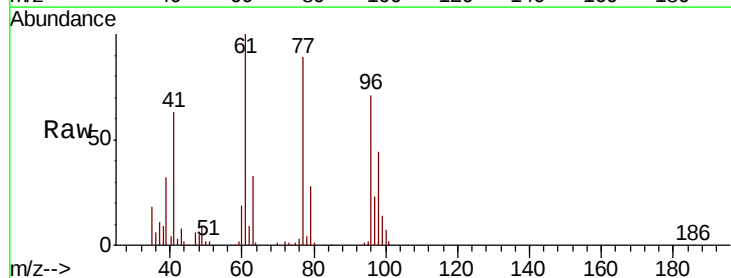
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBSD01

Tot Ion: 43 Resp: 359165
Ion Ratio Lower Upper
43 100
72 17.5 13.8 20.8



#26
2,2-Dichloropropane
Concen: 22.272 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 77 Resp: 417335
Ion Ratio Lower Upper
77 100
97 26.3 12.6 37.8



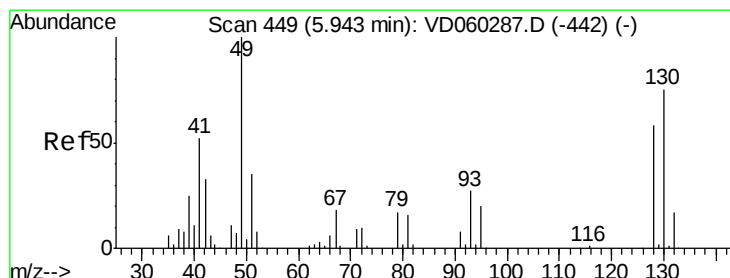
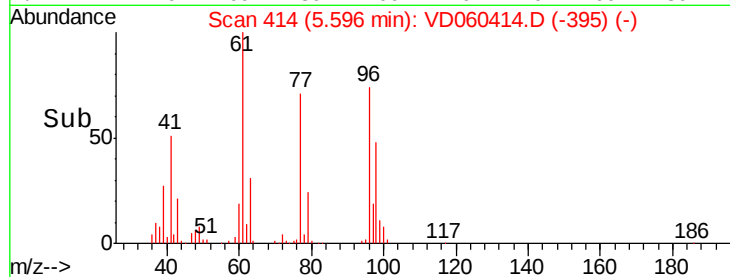
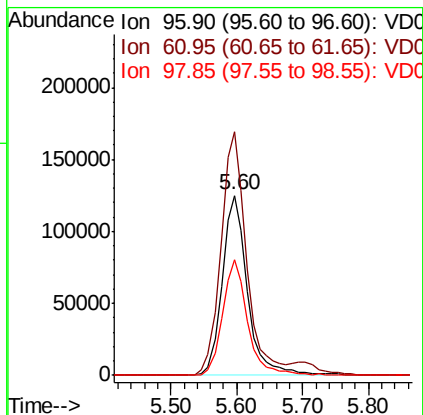
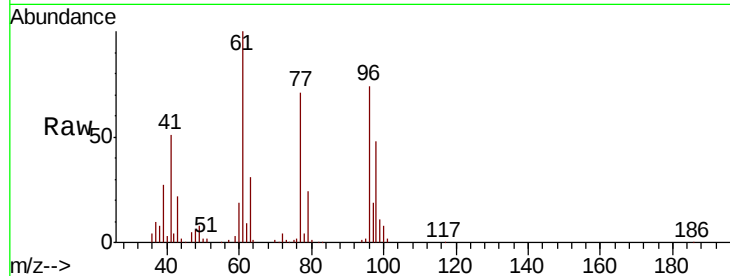


#27

cis-1,2-Dichloroethene
 Concen: 21.966 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

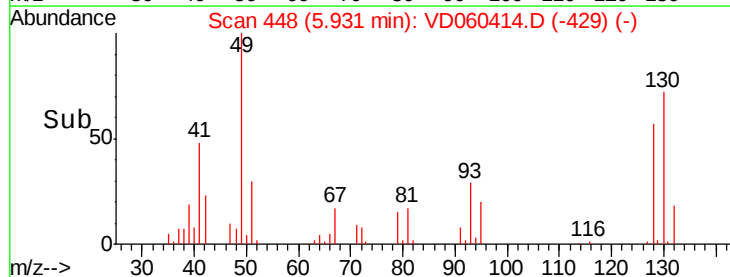
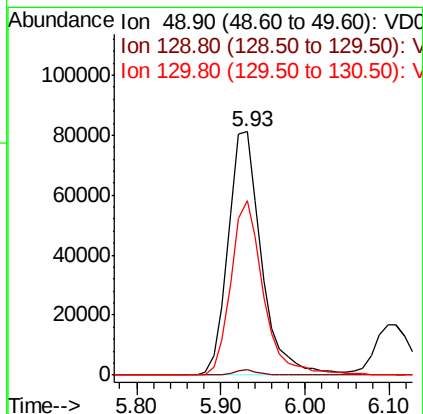
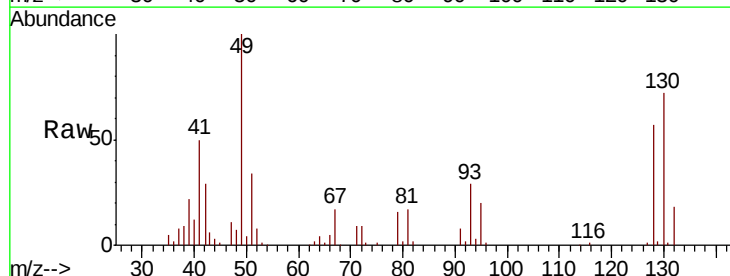
Tot Ion: 96 Resp: 334064
 Ion Ratio Lower Upper
 96 100
 61 135.3 0.0 259.0
 98 64.4 0.0 128.8



#28

Bromochloromethane
 Concen: 20.985 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 49 Resp: 223154
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.8
 130 71.9 53.6 80.4





#29

Tetrahydrofuran

Concen: 100.457 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

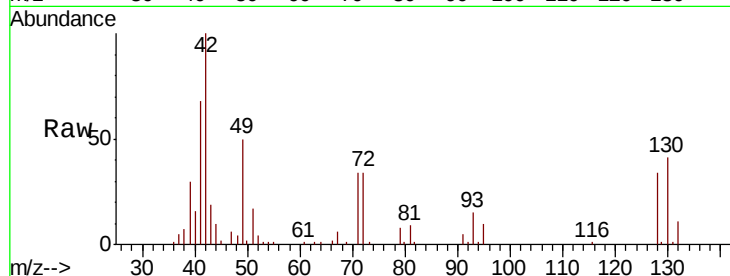
Tot Ion: 42 Resp: 184240

Ion Ratio Lower Upper

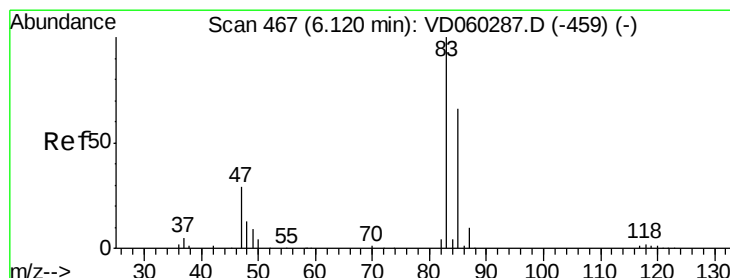
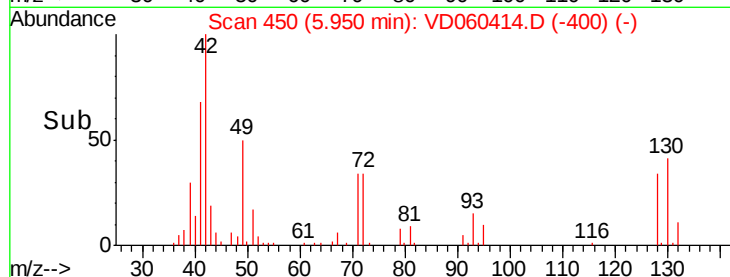
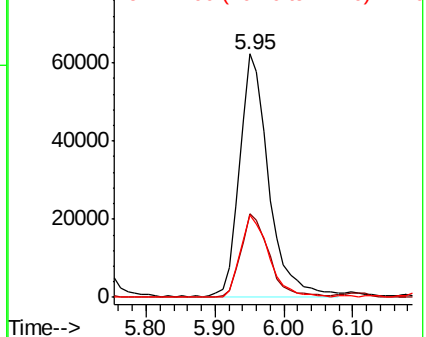
42 100

72 33.4 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: 21.958 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD060414.D

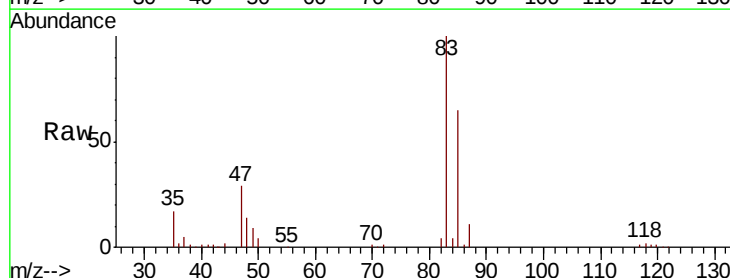
Acq: 19 Nov 2018 14:01

Tgt Ion: 83 Resp: 529050

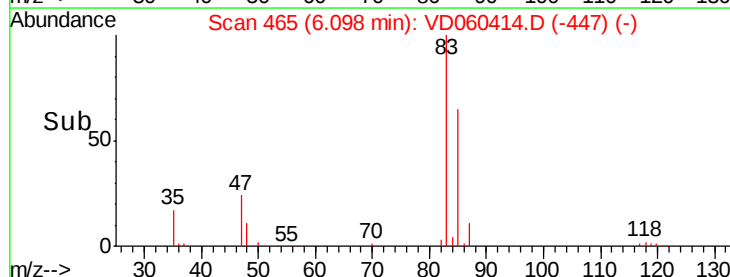
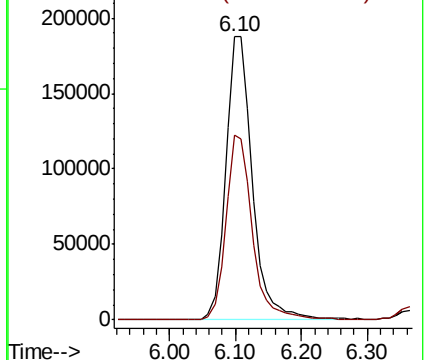
Ion Ratio Lower Upper

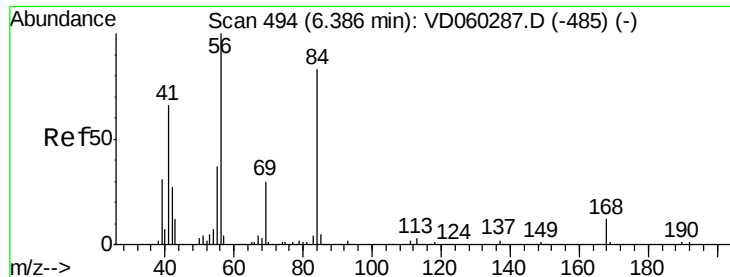
83 100

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

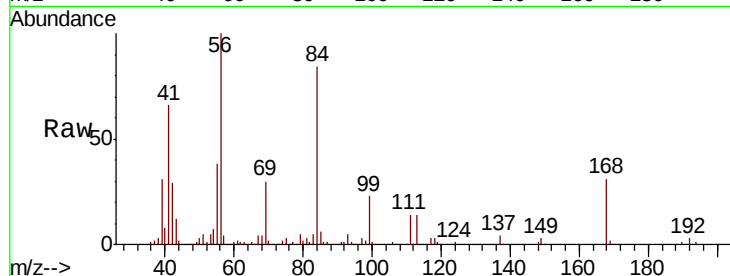




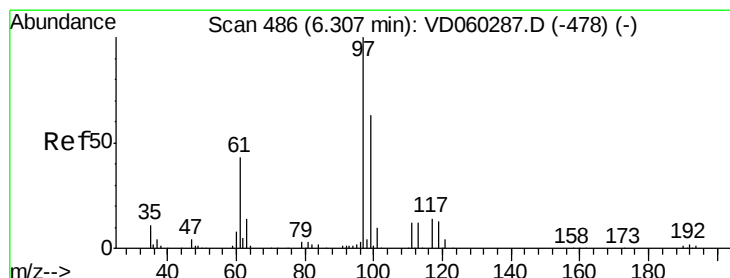
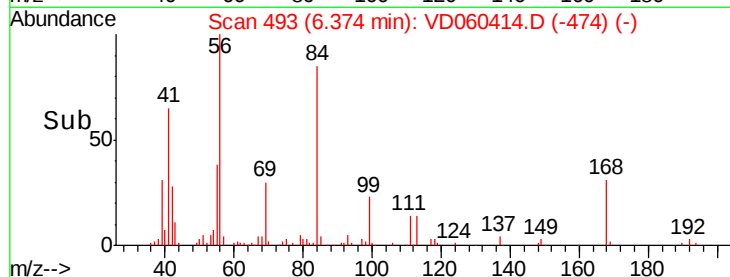
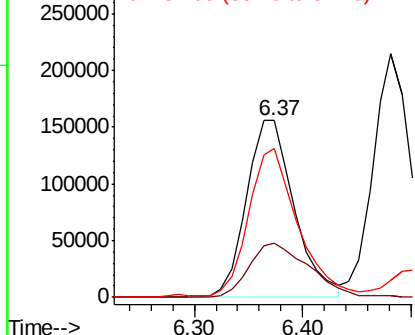
#31
Cvclohexane
Concen: 20.724 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 56 Resp: 477380
Ion Ratio Lower Upper
56 100
69 30.4 22.2 33.2
84 84.3 63.0 94.4

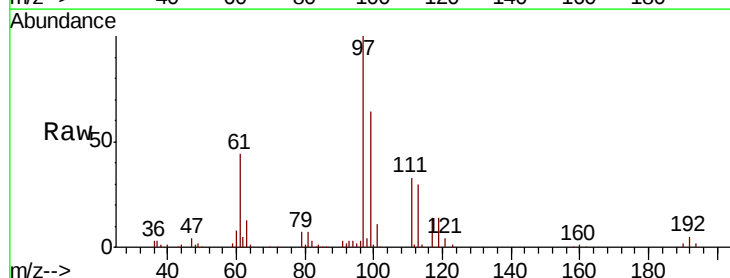


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

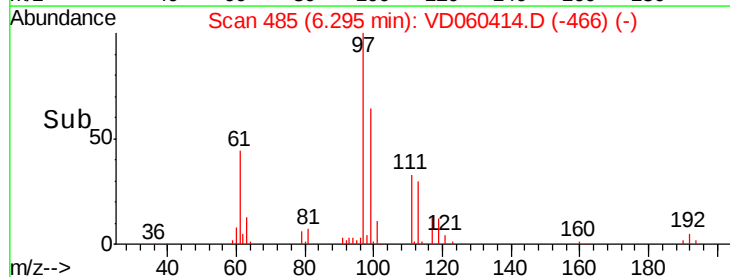
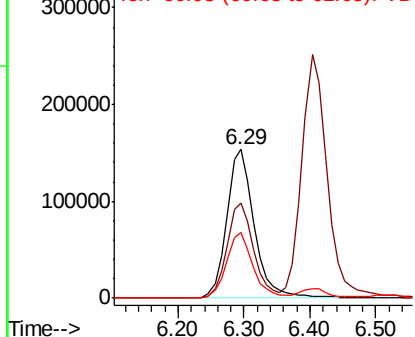


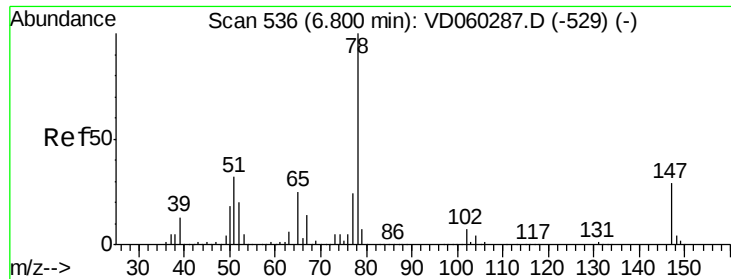
#32
1,1,1-Trichloroethane
Concen: 22.010 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 97 Resp: 446706
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 44.4 35.8 53.8



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

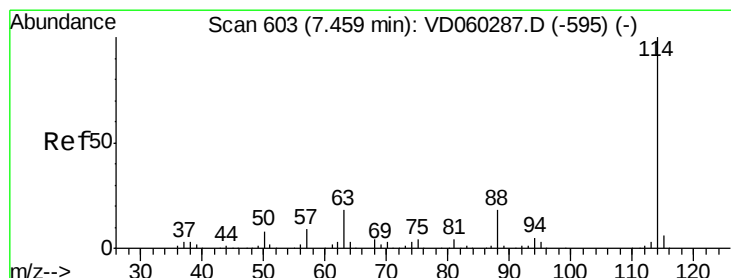
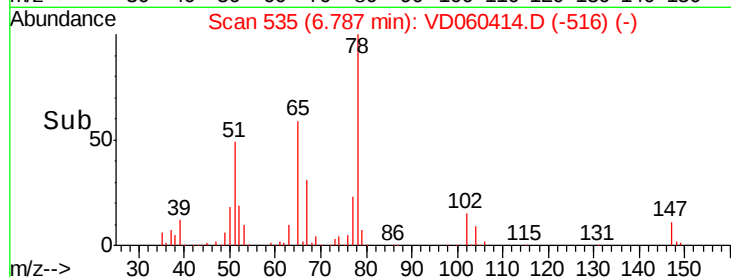
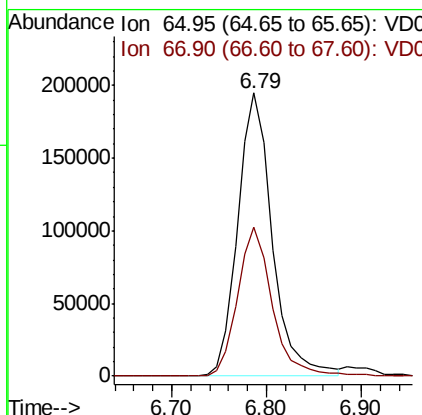
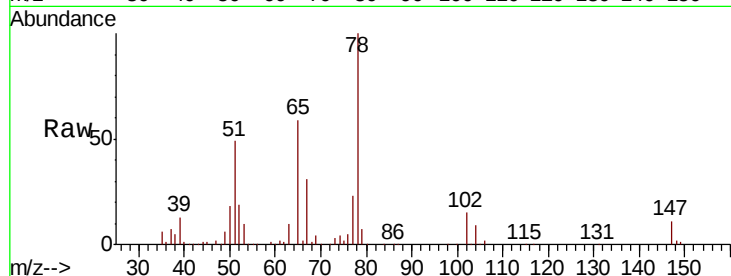




#33
 1,2-Dichloroethane-d4
 Concen: 22.010 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

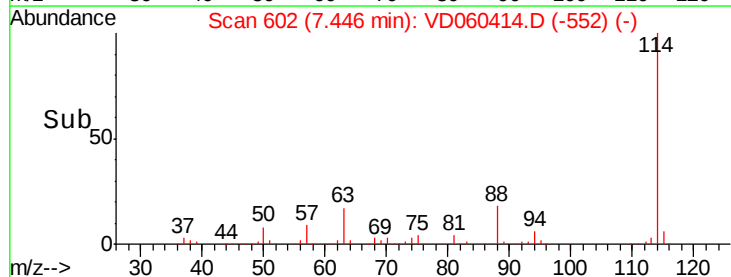
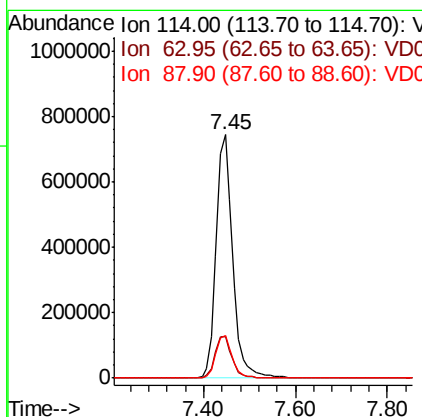
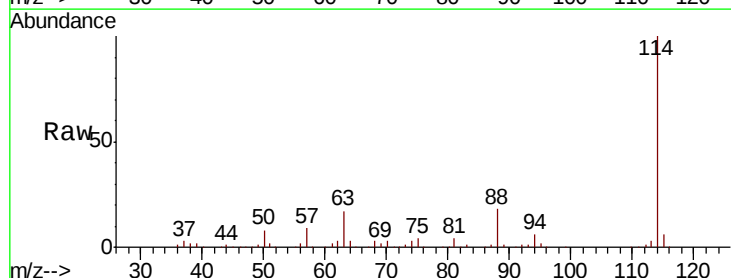
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

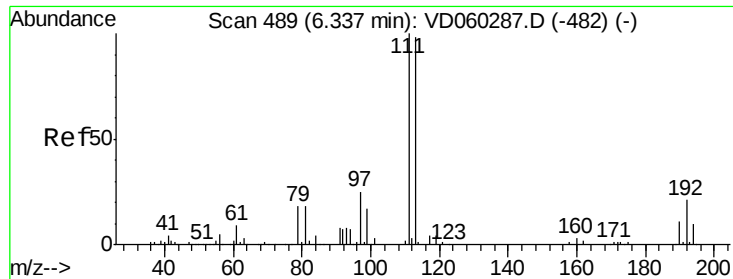
Tot Ion: 65 Resp: 491282
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 114 Resp: 1826415
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.0
 88 17.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBSD01

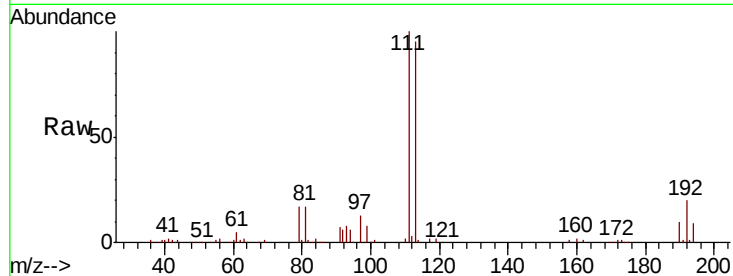
Tot Ion:113 Resp: 757040

Ion Ratio Lower Upper

113 100

111 104.9 81.6 122.4

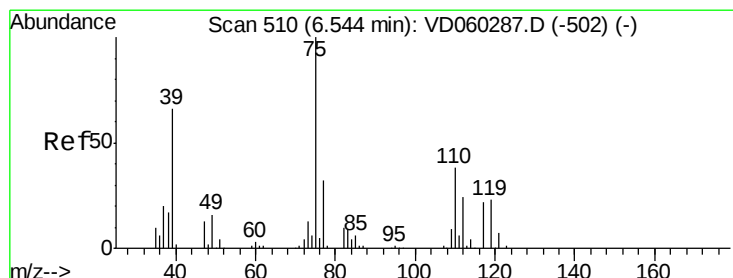
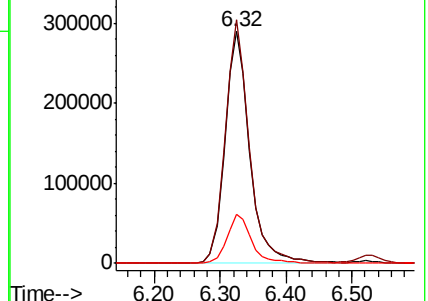
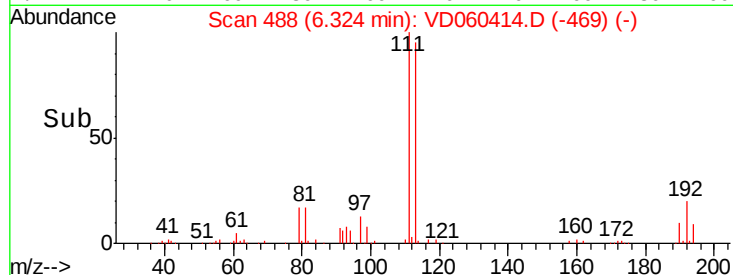
192 20.9 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.862 ug/l

RT: 6.52 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

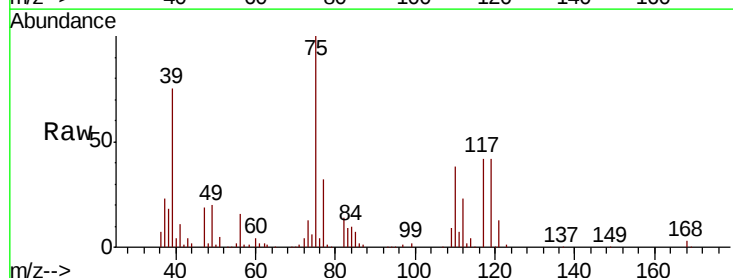
Tgt Ion: 75 Resp: 394482

Ion Ratio Lower Upper

75 100

110 37.8 18.0 54.0

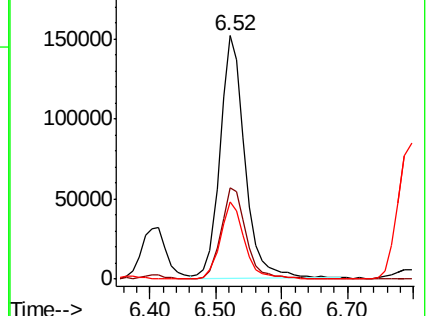
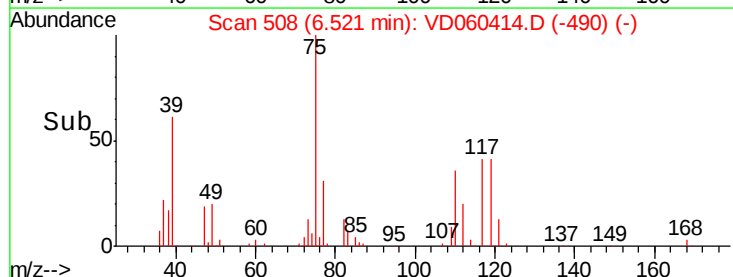
77 31.6 25.6 38.4

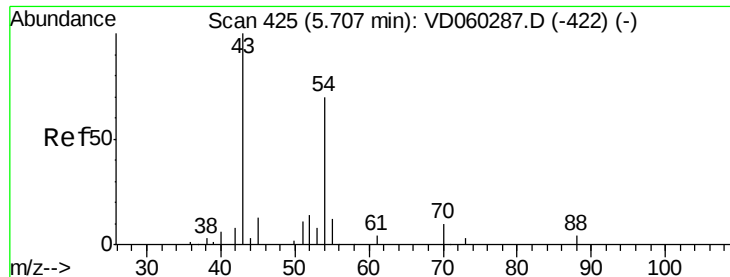


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

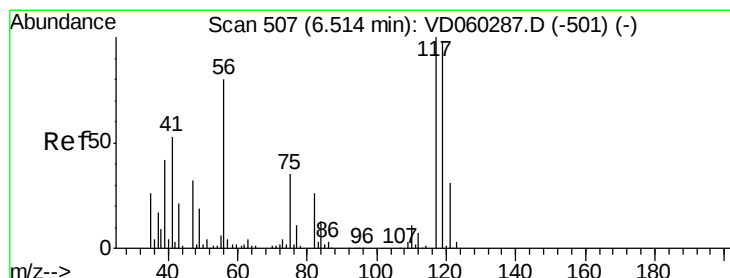
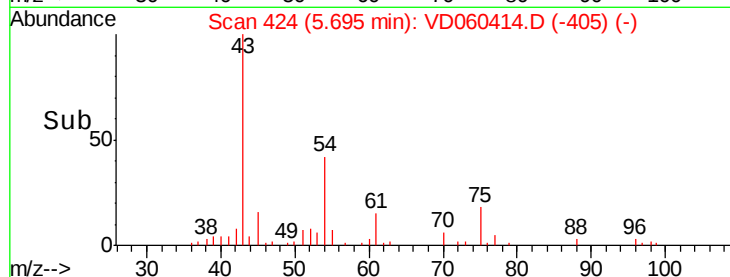
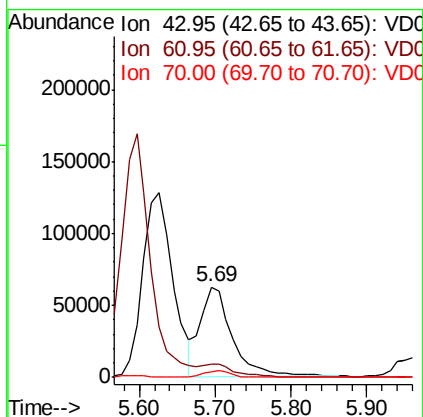
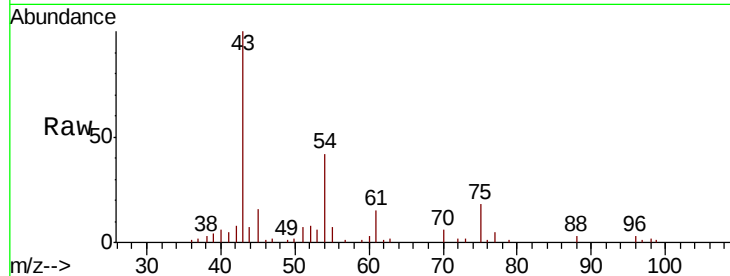




#37
Ethyl Acetate
Concen: 21.829 ug/l
RT: 5.69 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

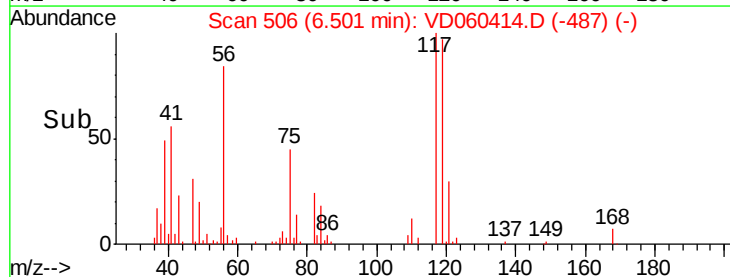
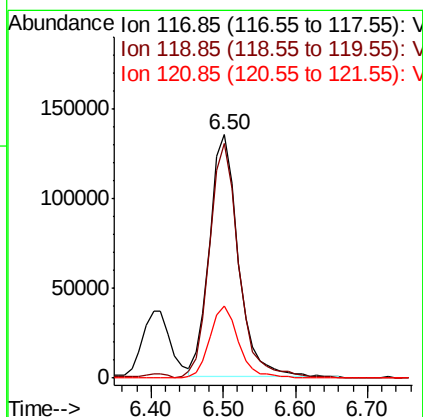
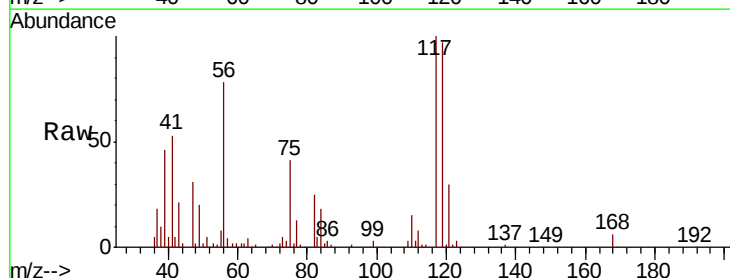
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

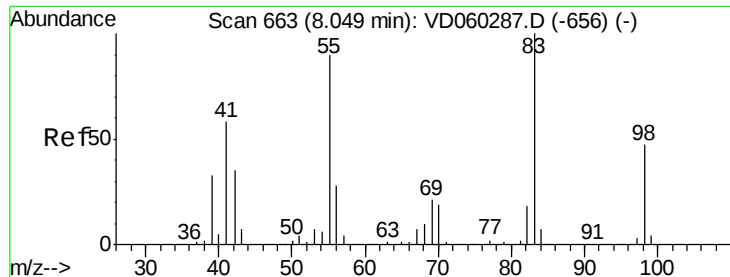
Tot Ion: 43 Resp: 181249
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 6.2 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 22.428 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 117 Resp: 375405
Ion Ratio Lower Upper
117 100
119 96.5 76.6 115.0
121 29.8 24.3 36.5

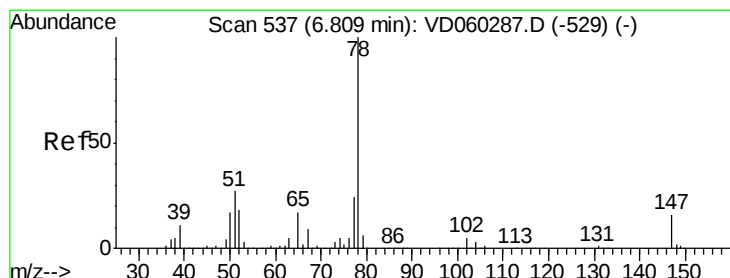
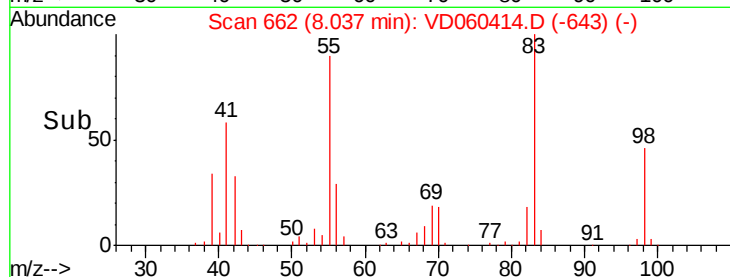
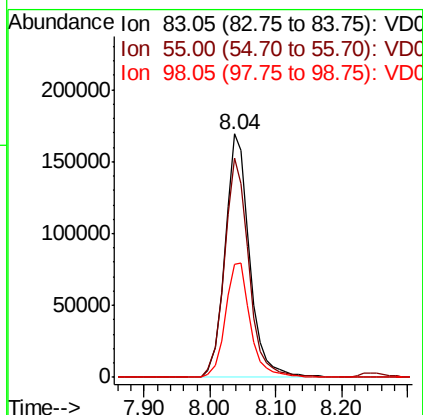
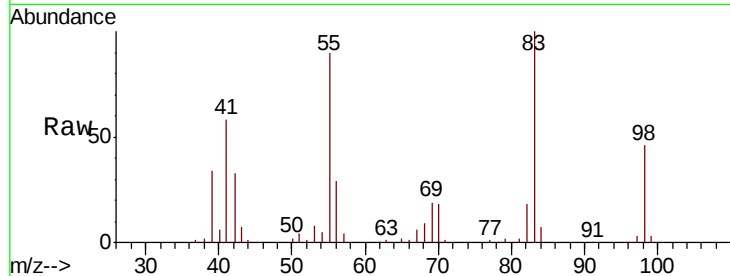




#39
Methvlcvclohexane
Concen: 21.130 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

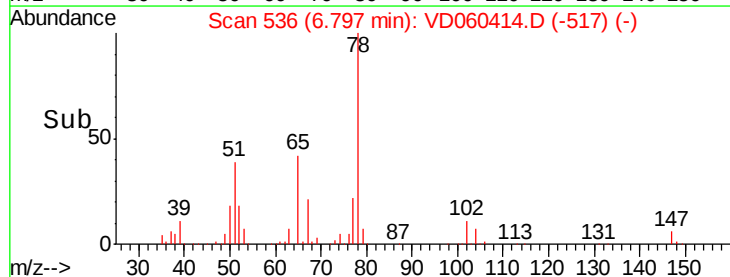
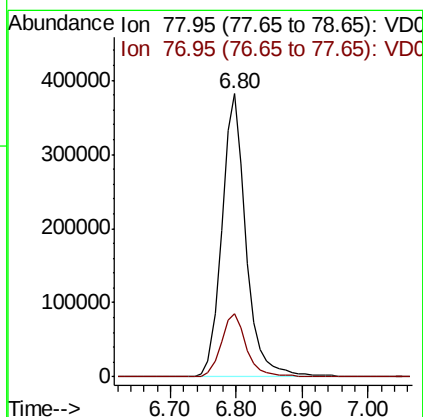
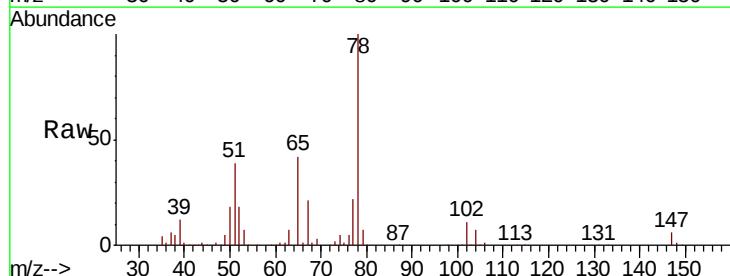
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 83 Resp: 438526
Ion Ratio Lower Upper
83 100
55 90.1 71.2 106.8
98 46.2 38.4 57.6



#40
Benzene
Concen: 21.209 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 78 Resp: 976861
Ion Ratio Lower Upper
78 100
77 22.2 18.8 28.2





#41

Methacrylonitrile

Concen: 20.780 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 41 Resp: 197479

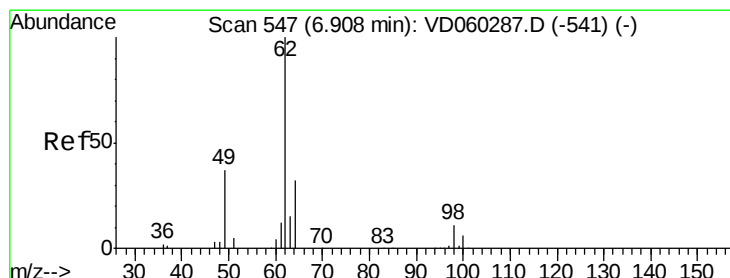
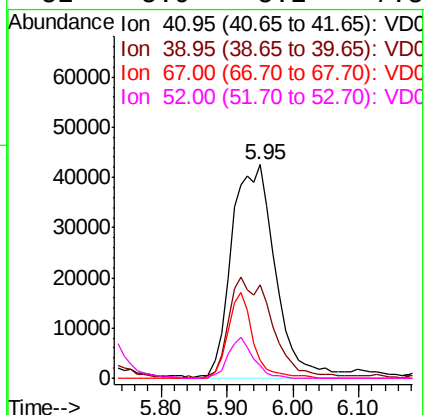
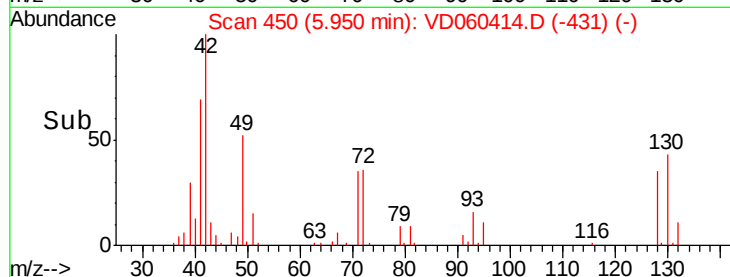
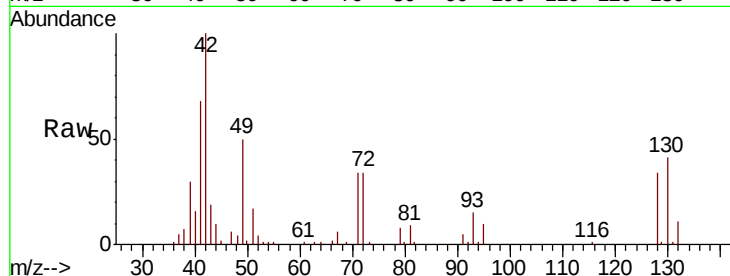
Ion Ratio Lower Upper

41 100

39 43.8 36.2 54.2

67 8.5 11.9 17.9#

52 5.9 5.2 7.8



#42

1,2-Dichloroethane

Concen: 21.961 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060414.D

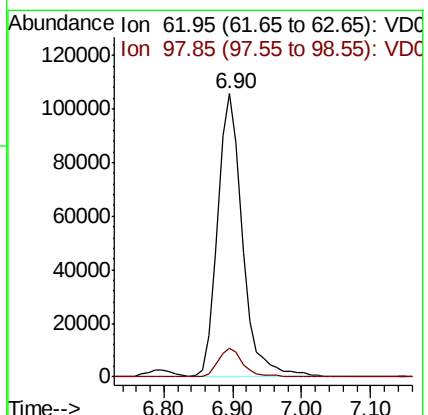
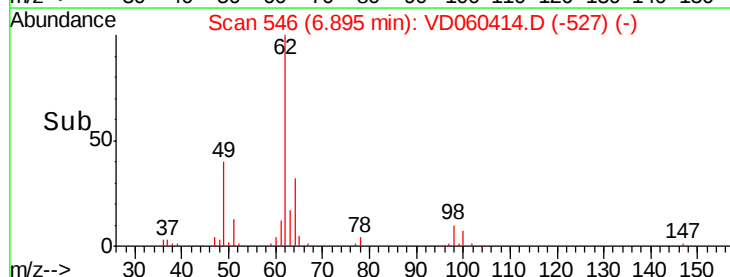
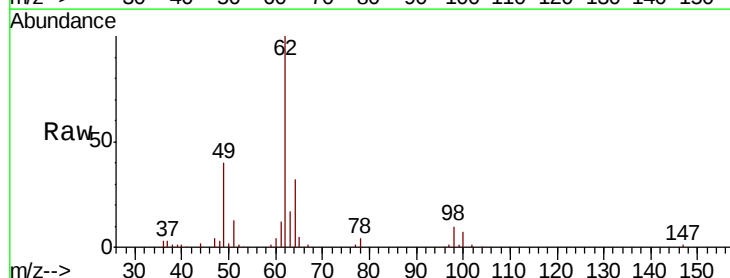
Acq: 19 Nov 2018 14:01

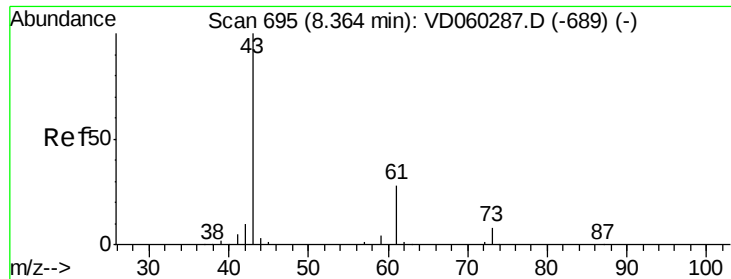
Tgt Ion: 62 Resp: 264765

Ion Ratio Lower Upper

62 100

98 10.3 0.0 22.0





#43

Isopropyl Acetate

Concen: 20.736 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBSD01

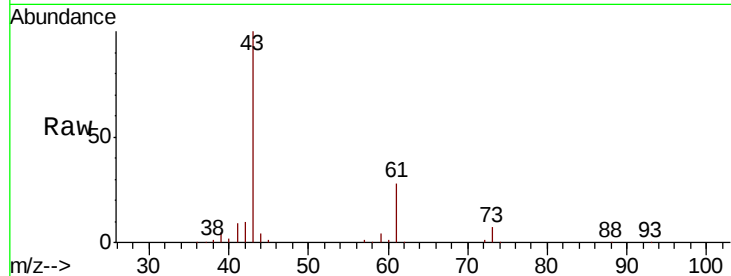
Tot Ion: 43 Resp: 216277

Ion Ratio Lower Upper

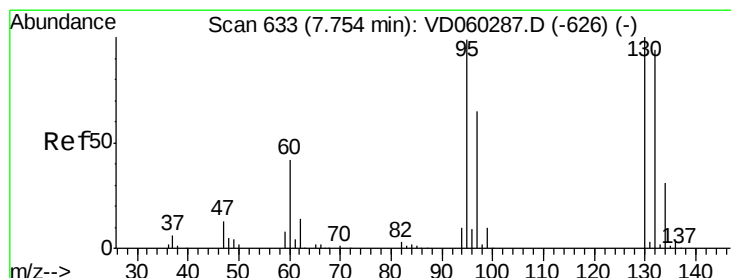
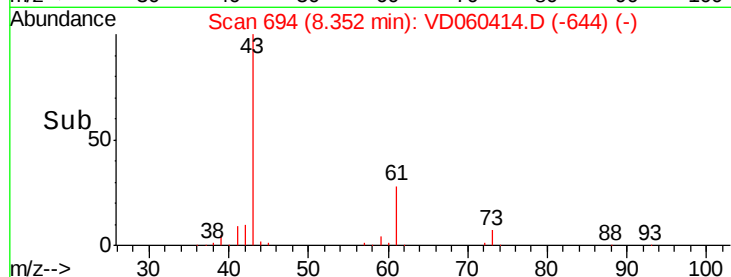
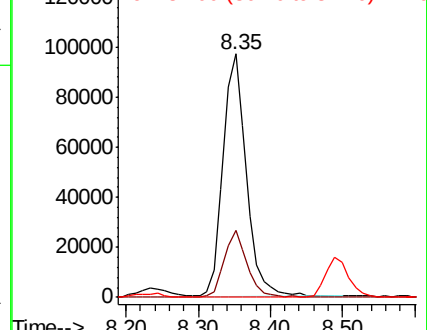
43 100

61 27.6 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



#44

Trichloroethene

Concen: 22.454 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060414.D

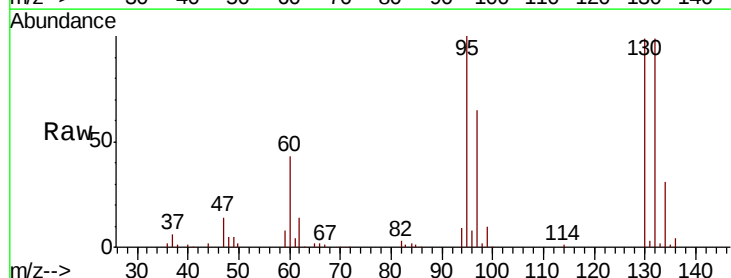
Acq: 19 Nov 2018 14:01

Tgt Ion:130 Resp: 313508

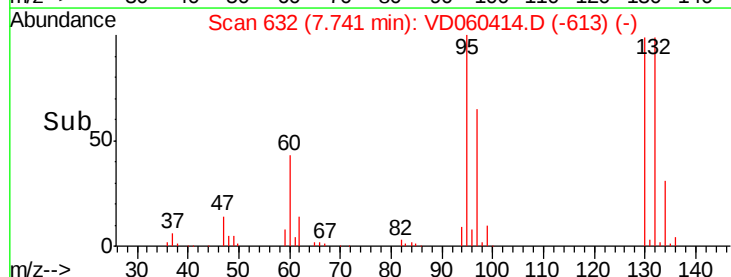
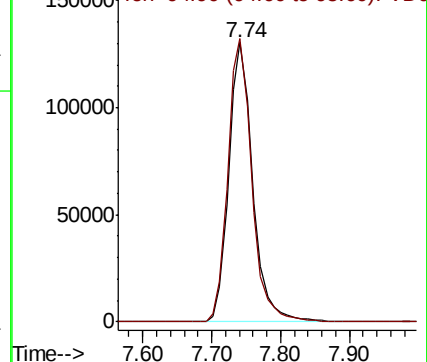
Ion Ratio Lower Upper

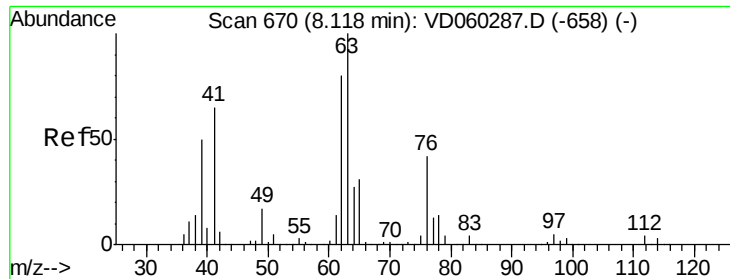
130 100

95 101.4 0.0 200.0



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





#45

1,2-Dichloropropane

Concen: 22.158 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

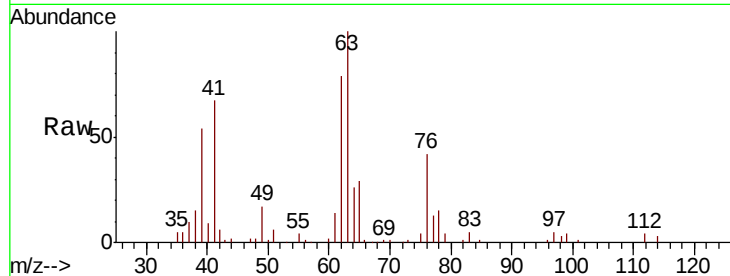
VD1119SBS01

Tot Ion: 63 Resp: 257396

Ion Ratio Lower Upper

63 100

65 29.2 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

100000

80000

60000

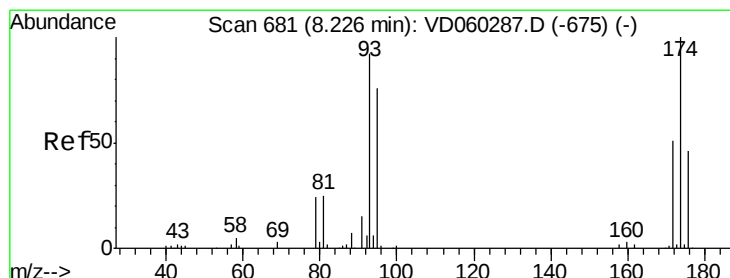
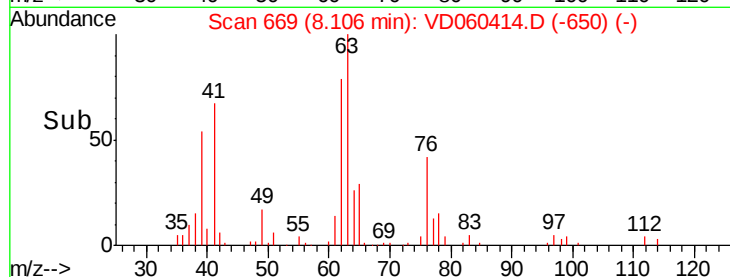
40000

20000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 21.383 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

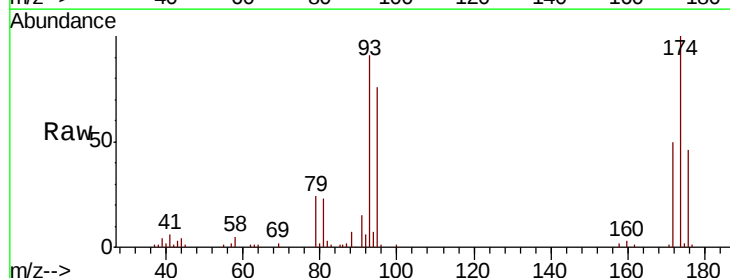
Tgt Ion: 93 Resp: 145478

Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

174 110.2 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

60000

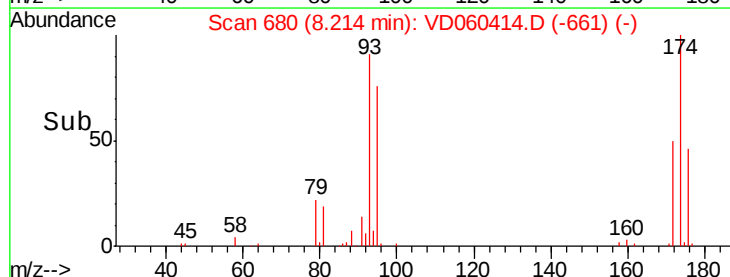
40000

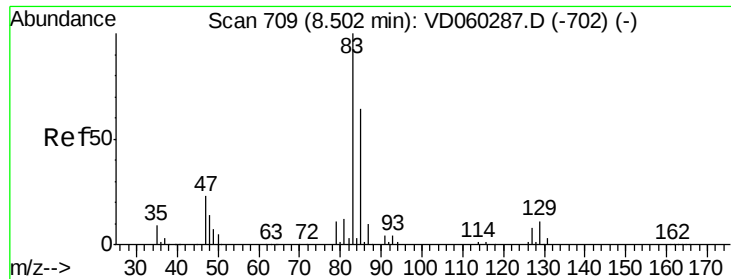
20000

0

Time-->

8.10 8.20 8.30





#47

Bromodichloromethane

Concen: 21.681 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

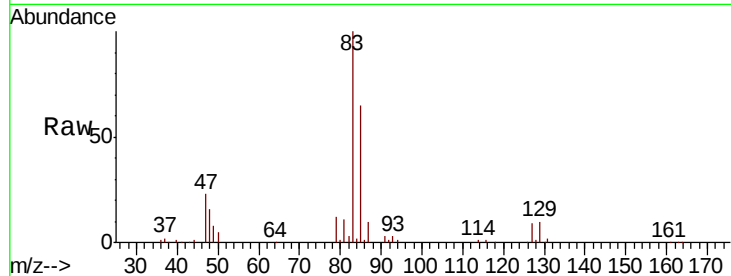
Tot Ion: 83 Resp: 347599

Ion Ratio Lower Upper

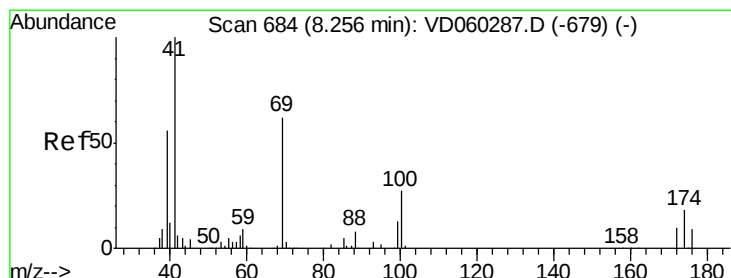
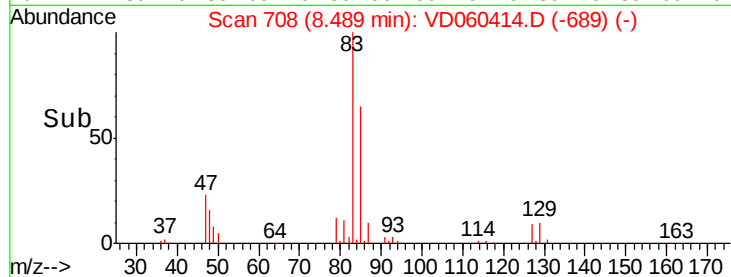
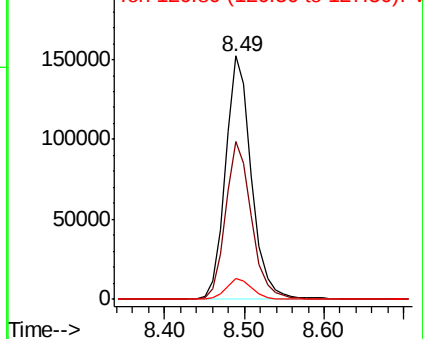
83 100

85 65.1 51.0 76.6

127 8.5 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: 21.315 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

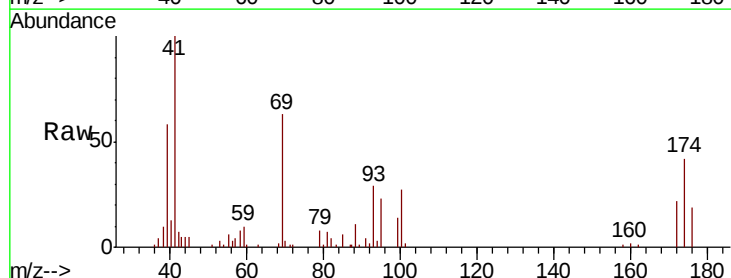
Tgt Ion: 41 Resp: 135040

Ion Ratio Lower Upper

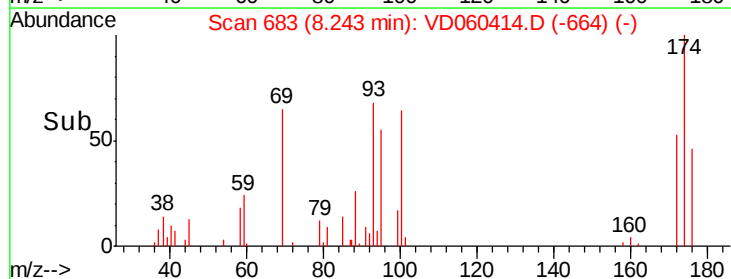
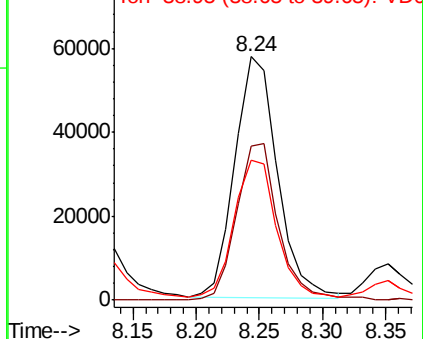
41 100

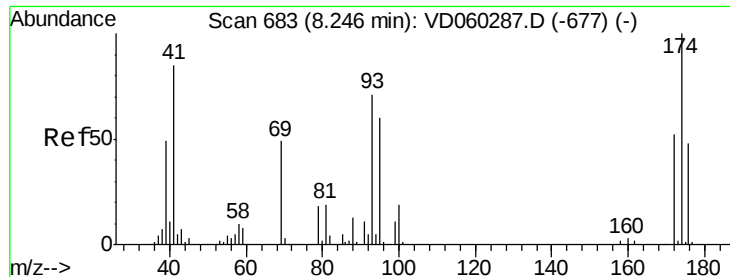
69 63.3 47.0 70.4

39 57.7 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

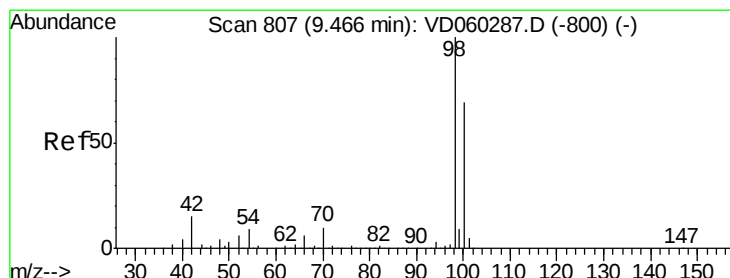
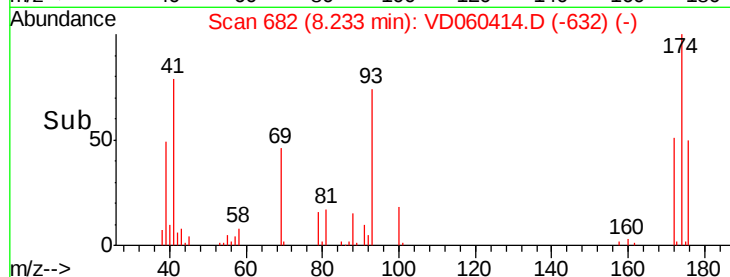
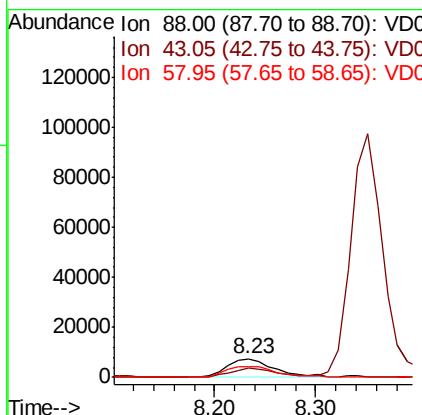
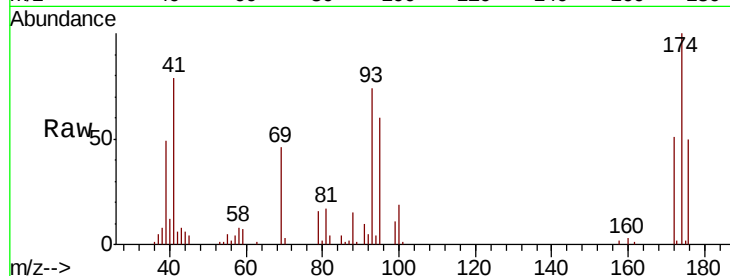




#49
1,4-Dioxane
Concen: 449.200 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

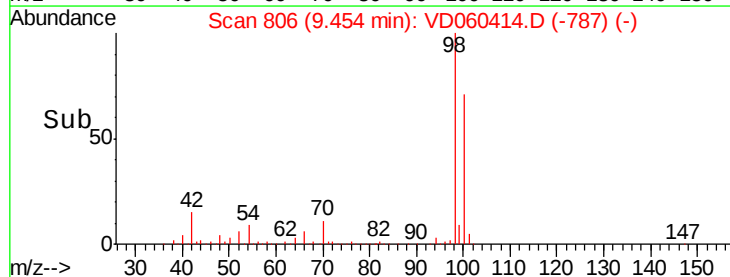
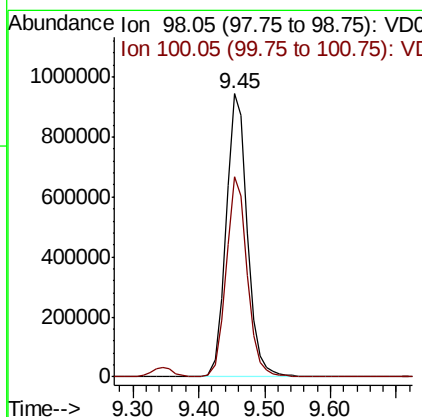
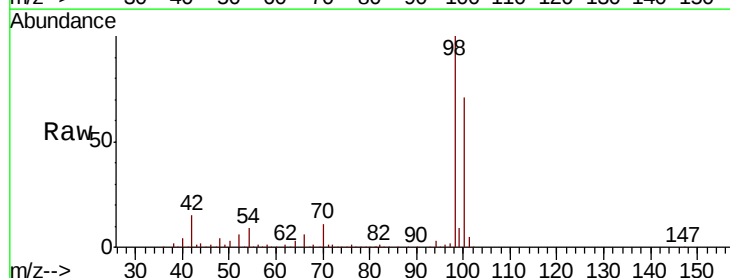
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 88 Resp: 24623
Ion Ratio Lower Upper
88 100
43 52.5 39.7 59.5
58 56.2 60.2 90.2#



#50
Toluene-d8
Concen: 449.200 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 98 Resp: 2134565
Ion Ratio Lower Upper
98 100
100 70.7 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 105.867 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

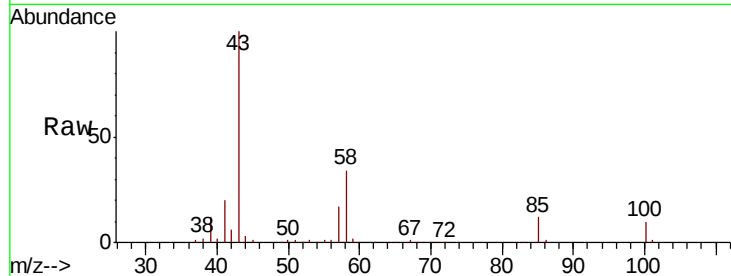
VD1119SBS01

Tot Ion: 43 Resp: 718666

Ion Ratio Lower Upper

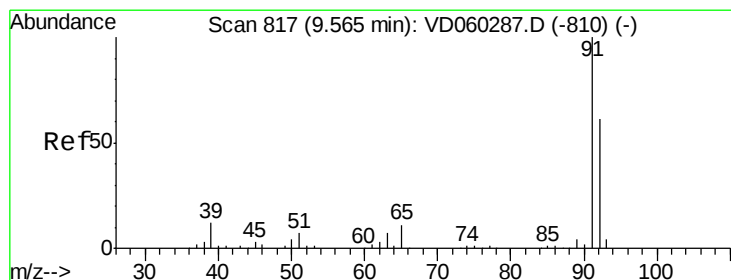
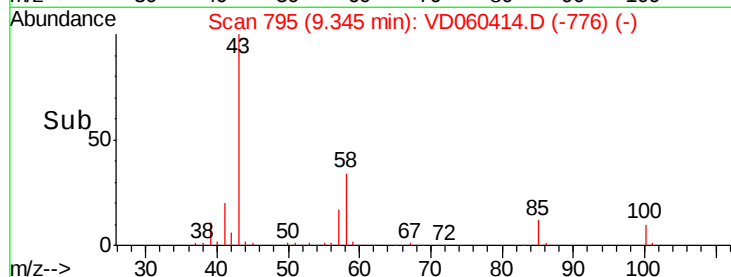
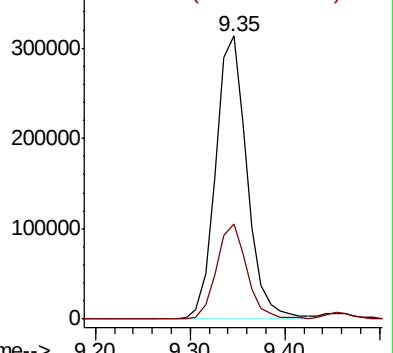
43 100

58 33.6 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: 22.112 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060414.D

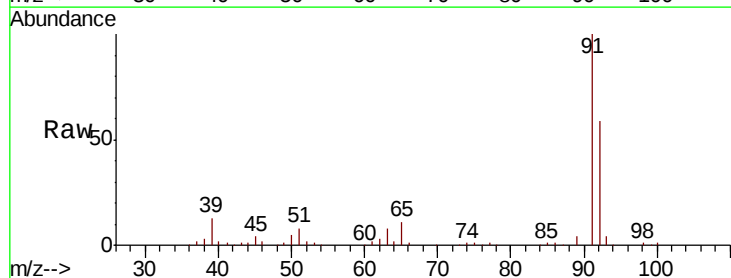
Acq: 19 Nov 2018 14:01

Tgt Ion: 92 Resp: 650574

Ion Ratio Lower Upper

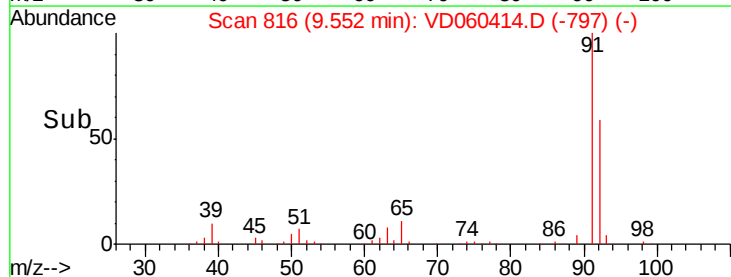
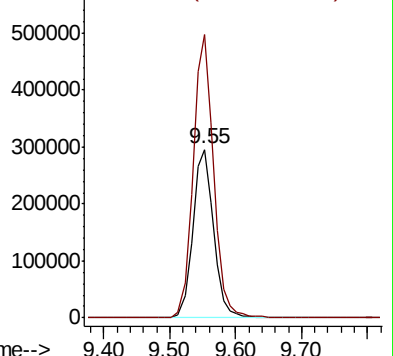
92 100

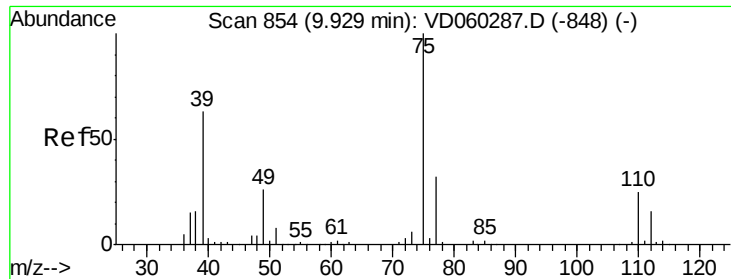
91 168.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

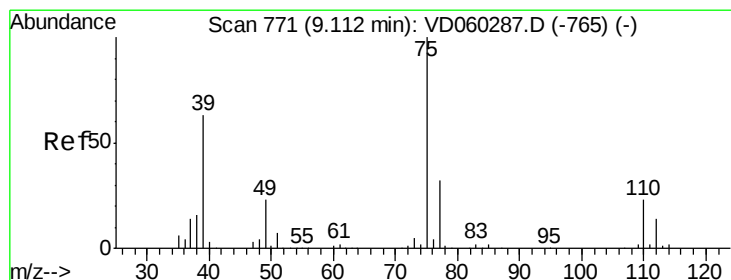
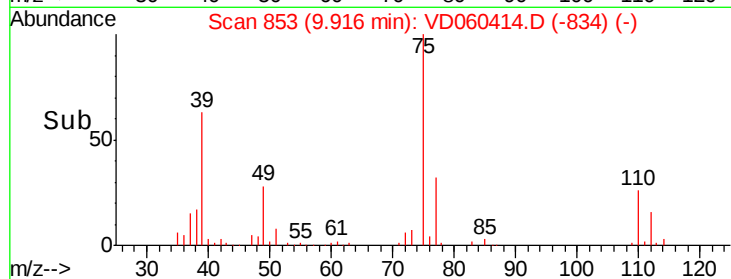
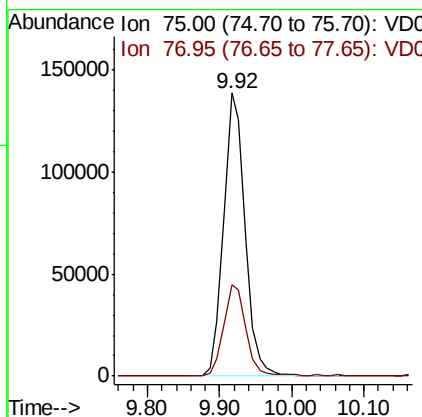
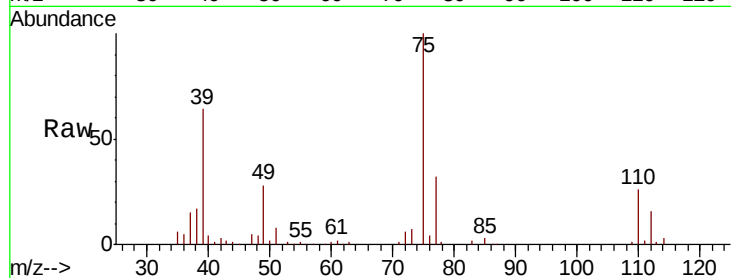




#53
 t-1,3-Dichloropropene
 Concen: 21.071 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

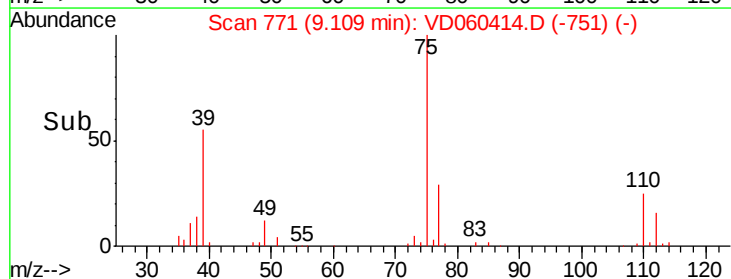
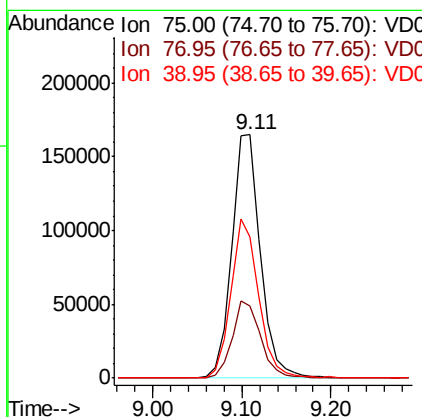
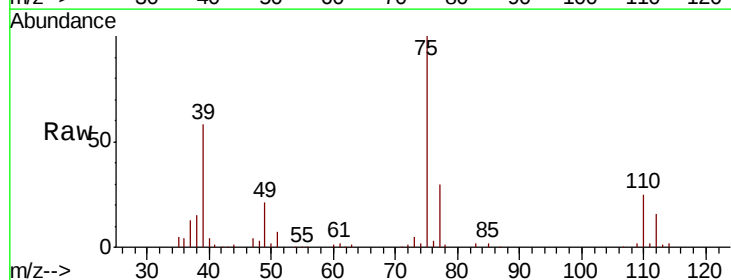
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

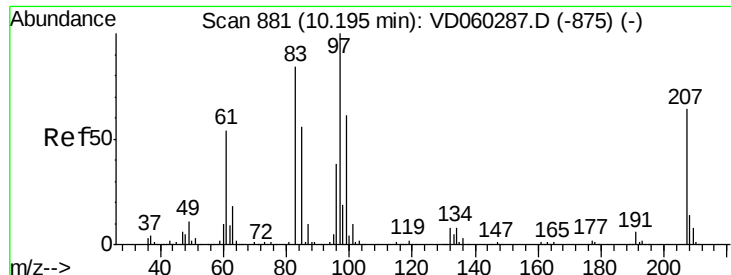
Tot Ion: 75 Resp: 285429
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.396 ug/l
 RT: 9.11 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 75 Resp: 371744
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.3 39.5
 39 57.8 50.8 76.2

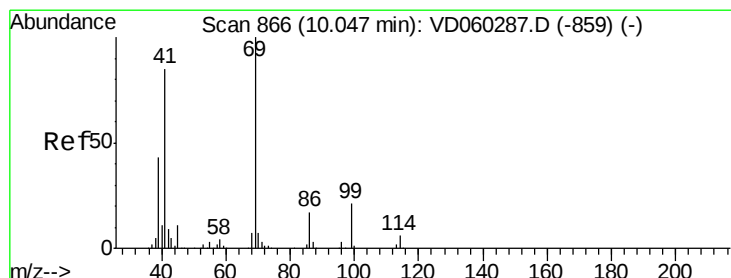
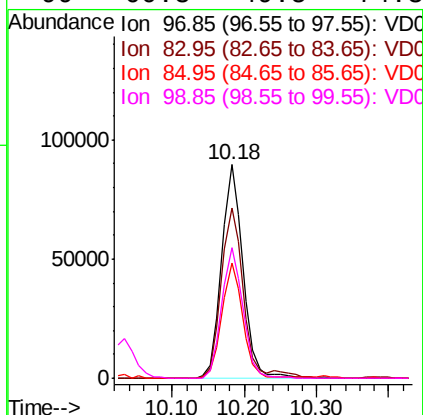
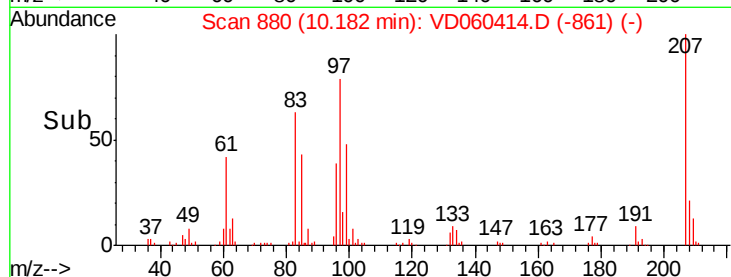
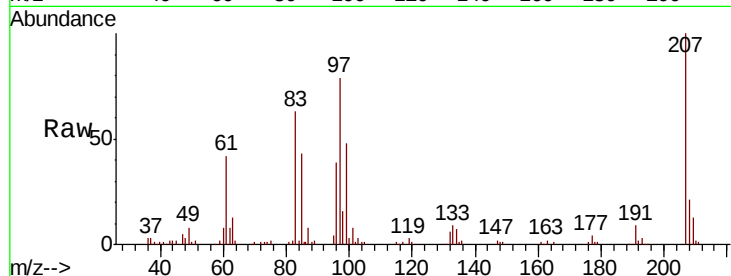




#55
 1,1,2-Trichloroethane
 Concen: 21.467 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

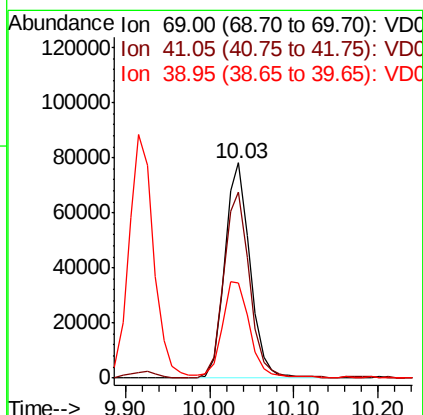
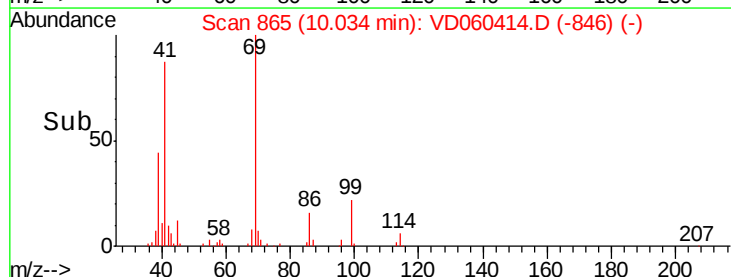
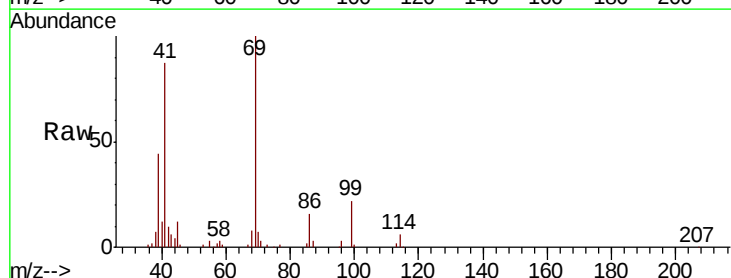
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion:	97	Resp:	183062
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.4	102.6
85	54.1	46.8	70.2
99	60.8	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 20.608 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion:	69	Resp:	161581
Ion	Ratio	Lower	Upper
69	100		
41	86.6	69.0	103.4
39	44.5	36.6	54.8





#57

1,3-Dichloropropane

Concen: 20.837 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

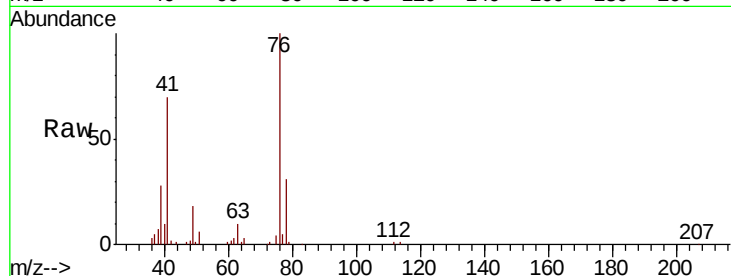
VD1119SBS01

Tot Ion: 76 Resp: 270766

Ion Ratio Lower Upper

76 100

78 31.5 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

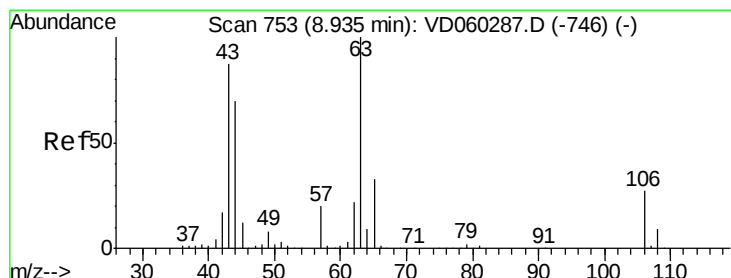
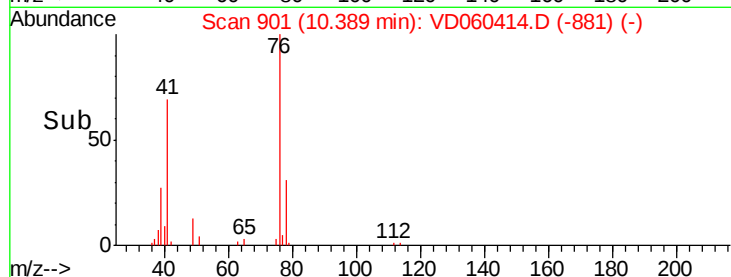
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.504 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060414.D

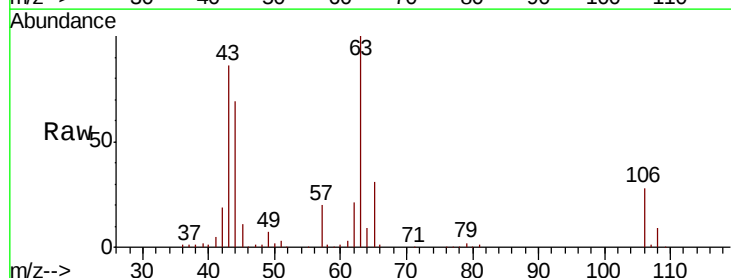
Acq: 19 Nov 2018 14:01

Tgt Ion: 63 Resp: 504924

Ion Ratio Lower Upper

63 100

106 27.6 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.92

250000

200000

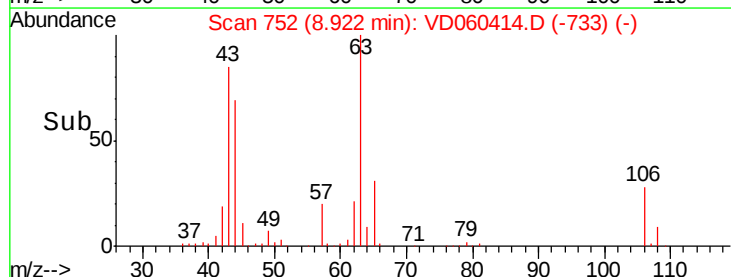
150000

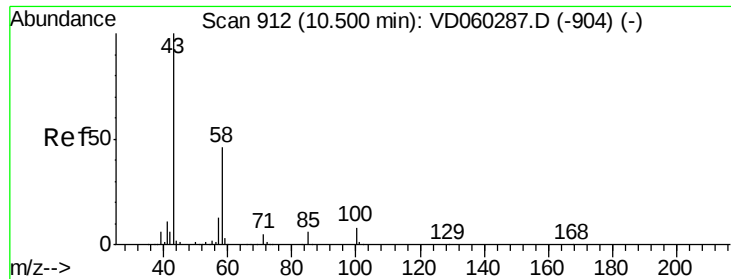
100000

50000

0

Time-->

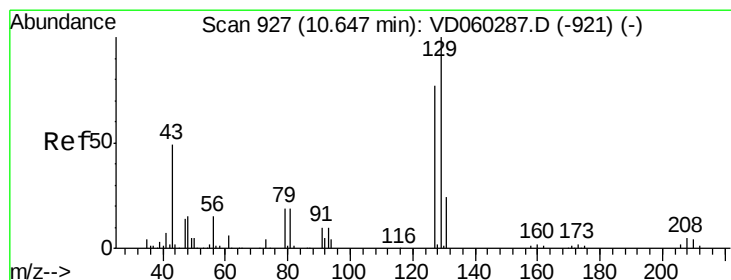
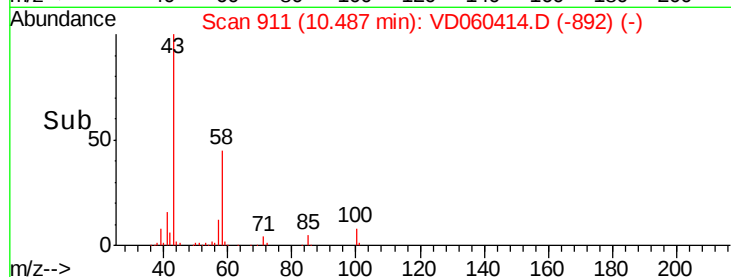
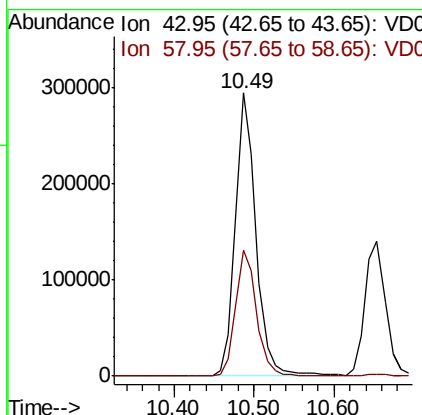
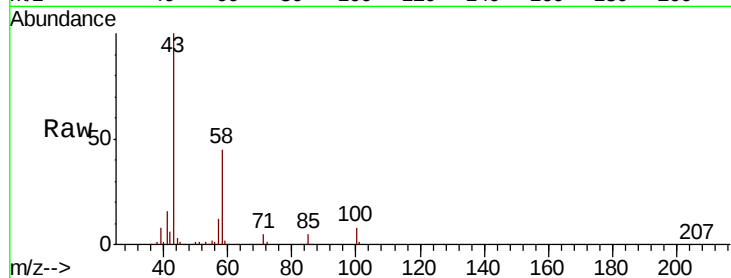




#59
2-Hexanone
Concen: 110.659 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

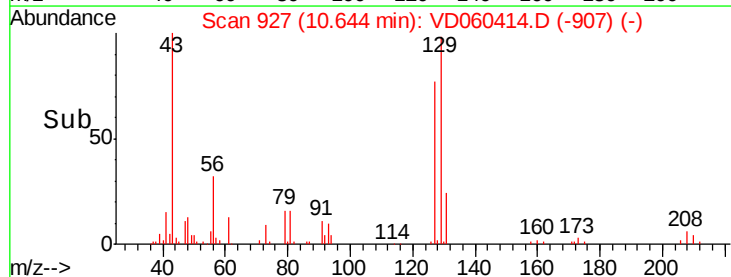
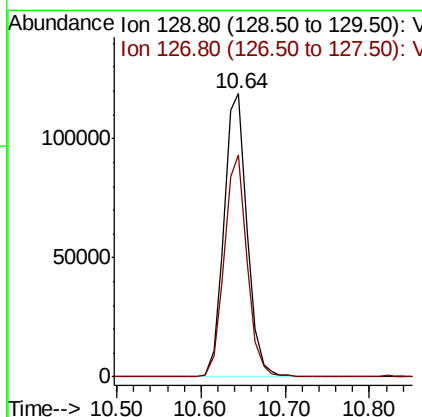
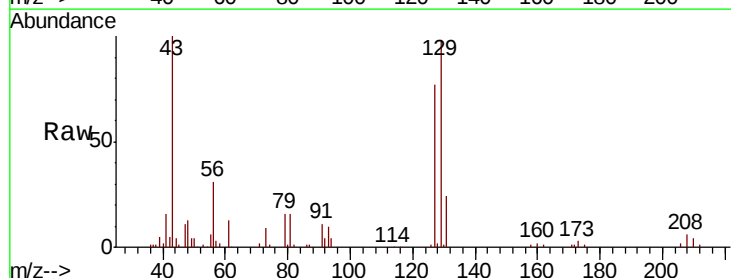
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

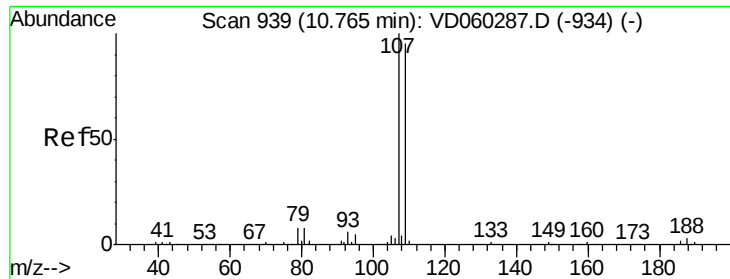
Tot Ion: 43 Resp: 535406
Ion Ratio Lower Upper
43 100
58 44.7 22.9 68.5



#60
Dibromochloromethane
Concen: 21.831 ug/l
RT: 10.64 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 129 Resp: 226304
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

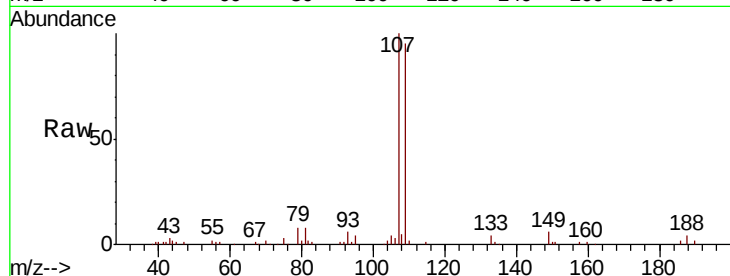




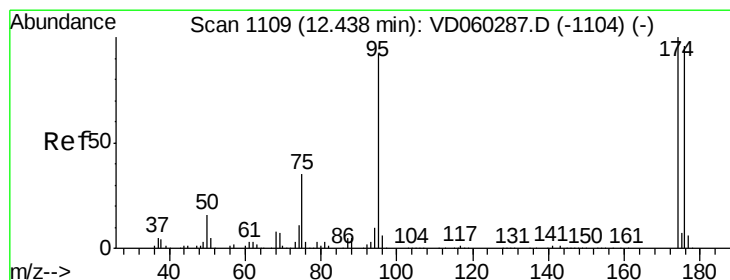
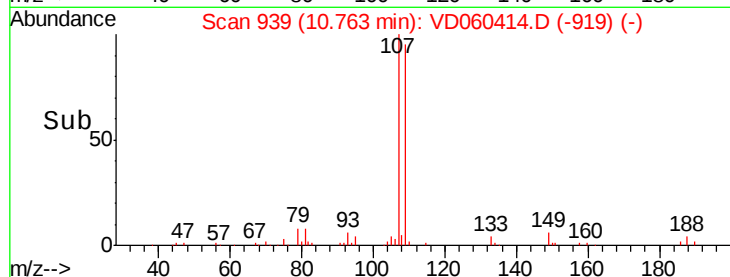
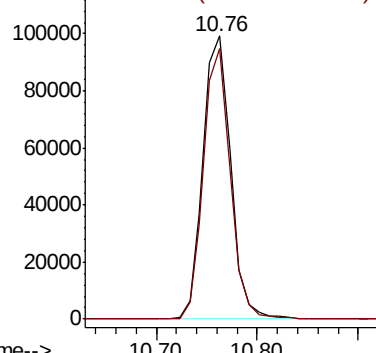
#61
 1,2-Dibromoethane
 Concen: 22.115 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

Tot Ion:107 Resp: 188955
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.7 113.5

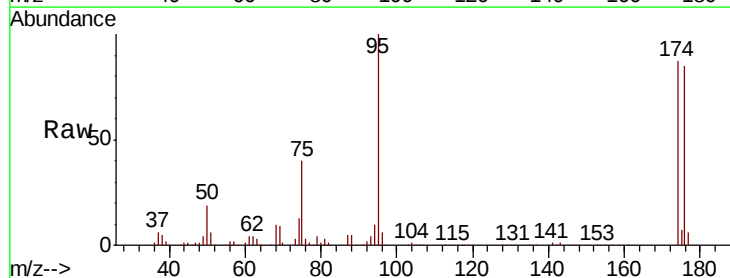


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

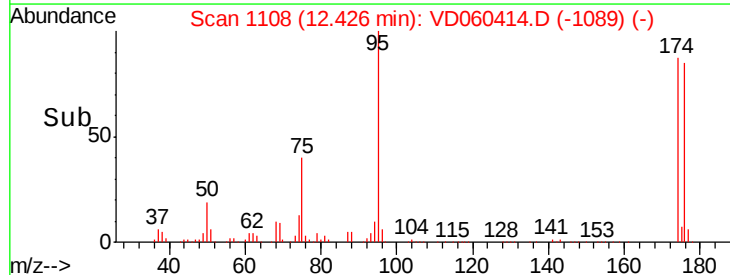
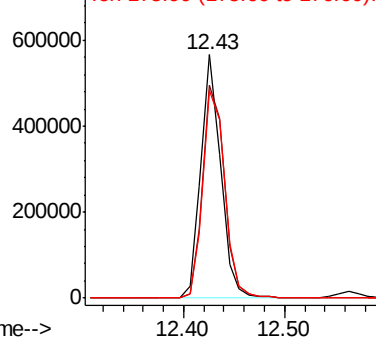


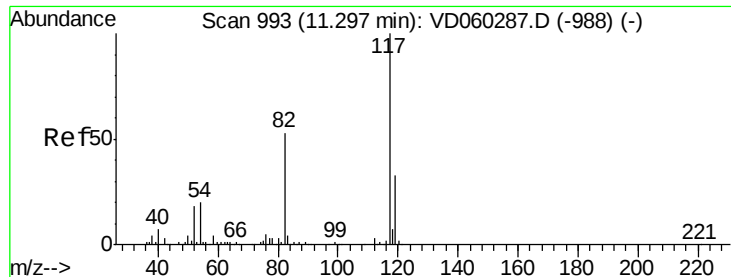
#62
 4-Bromofluorobenzene
 Concen: 22.115 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 95 Resp: 772555
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 160.8
 176 85.3 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

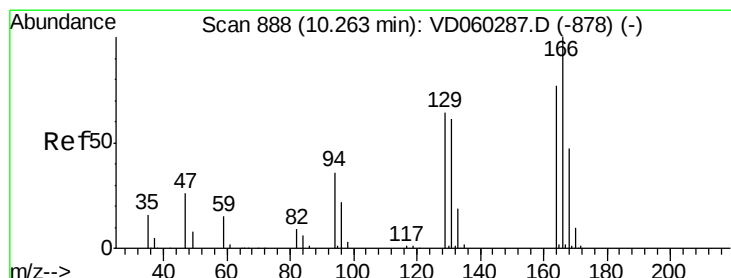
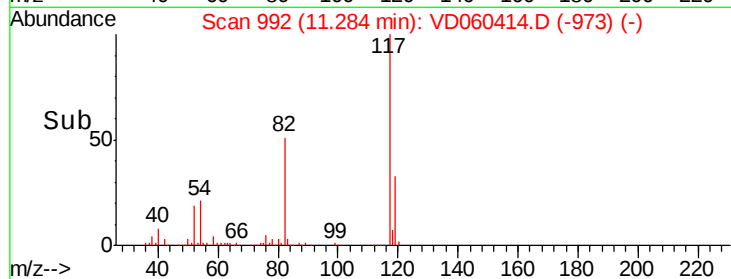
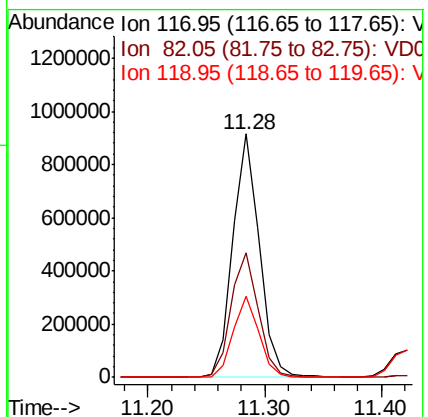
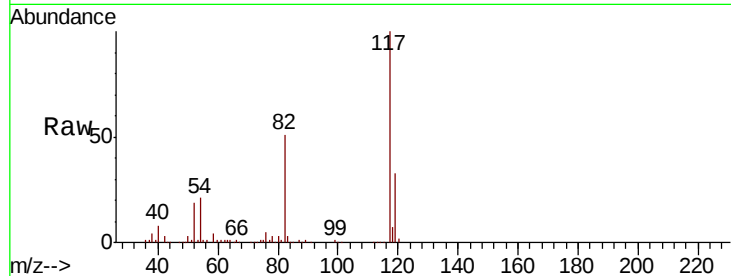




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

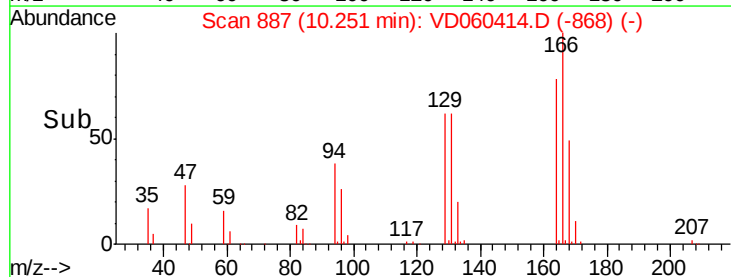
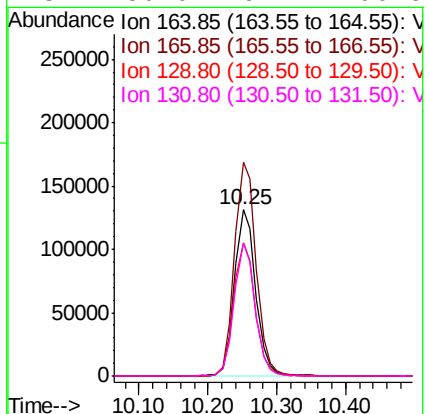
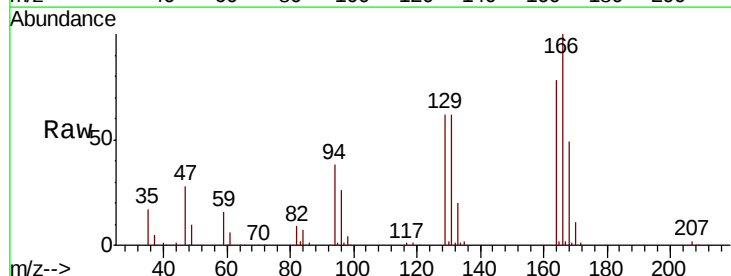
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

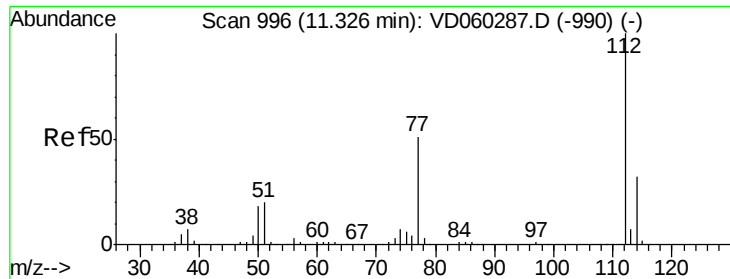
Tot Ion:117 Resp: 1441647
Ion Ratio Lower Upper
117 100
82 51.0 43.7 65.5
119 33.2 26.1 39.1



#64
Tetrachloroethene
Concen: 21.811 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion:164 Resp: 280716
Ion Ratio Lower Upper
164 100
166 128.7 103.7 155.5
129 80.4 65.6 98.4
131 80.0 64.4 96.6





#65

Chlorobenzene

Concen: 22.074 ug/l

RT: 11.31 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

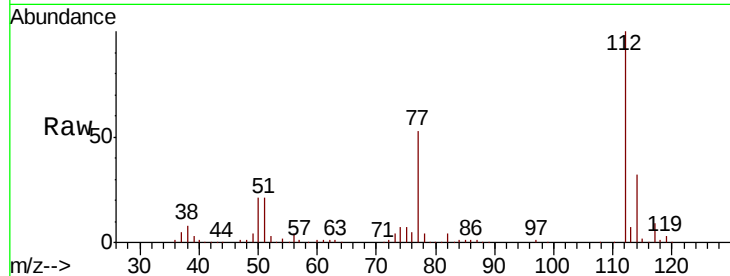
VD1119SBS01

Tot Ion:112 Resp: 689517

Ion Ratio Lower Upper

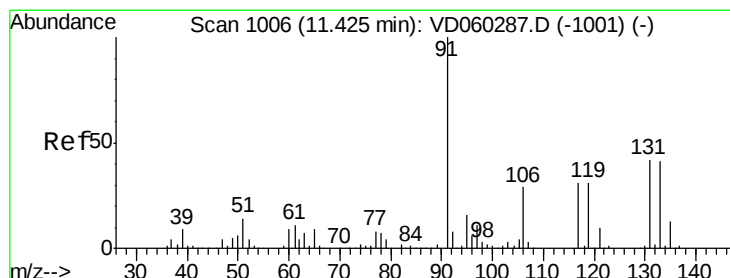
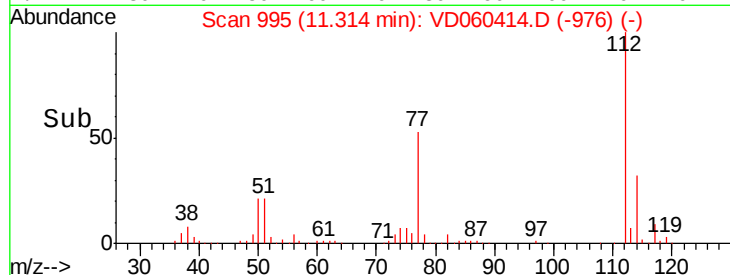
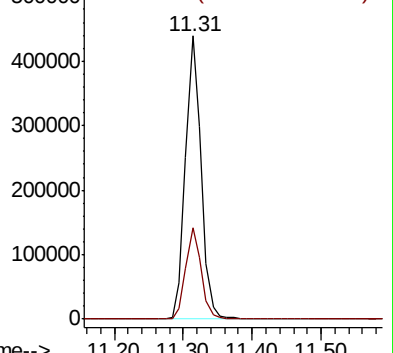
112 100

114 32.1 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: 22.561 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

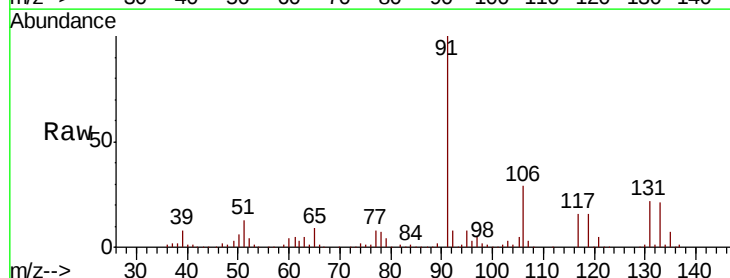
Tgt Ion:131 Resp: 230575

Ion Ratio Lower Upper

131 100

133 96.3 50.0 150.0

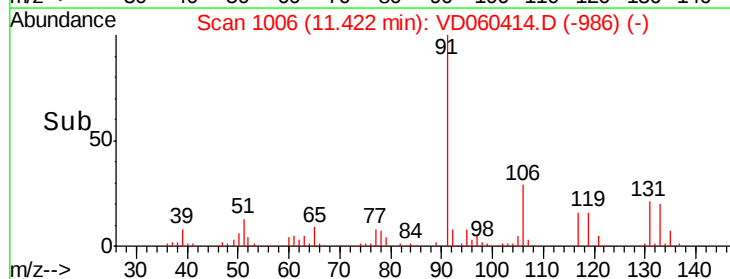
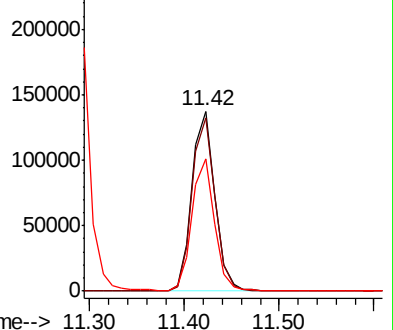
119 73.7 37.0 111.1

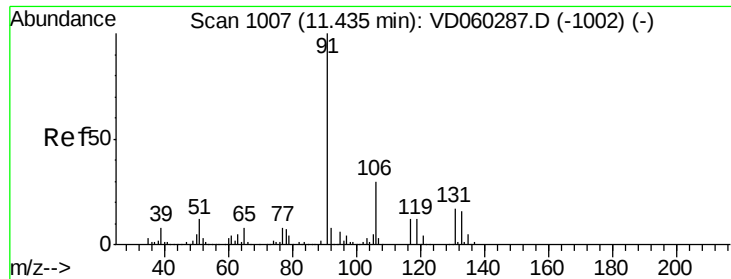


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

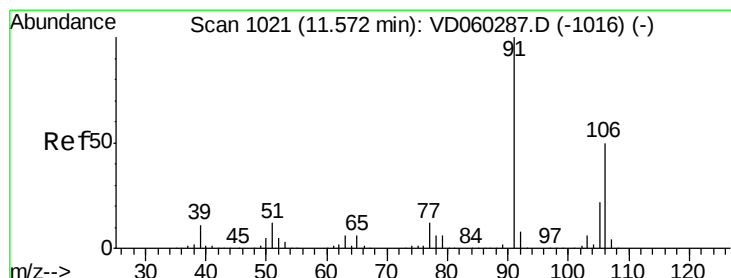
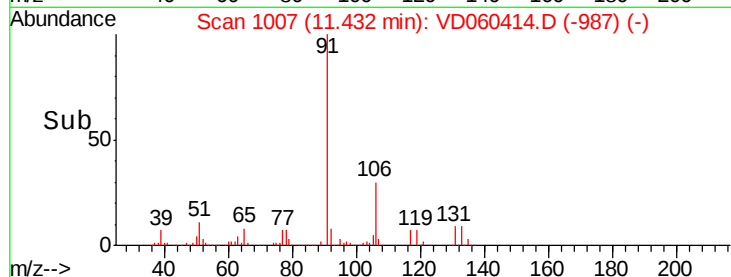
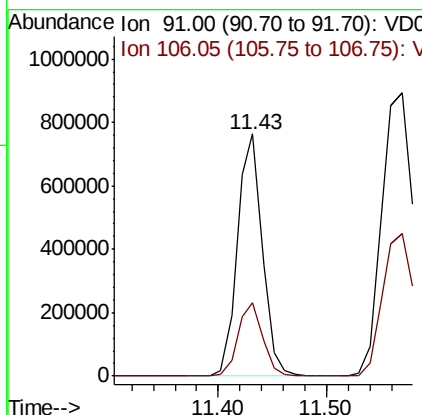
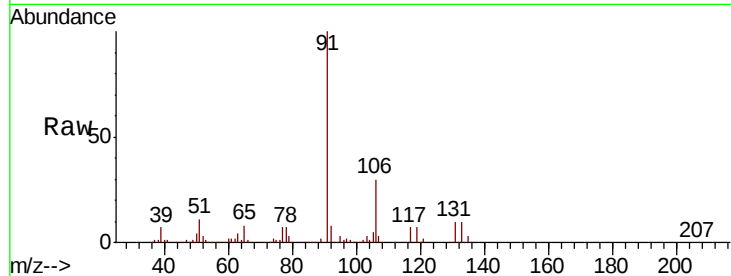




#67
Ethyl Benzene
Concen: 22.839 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

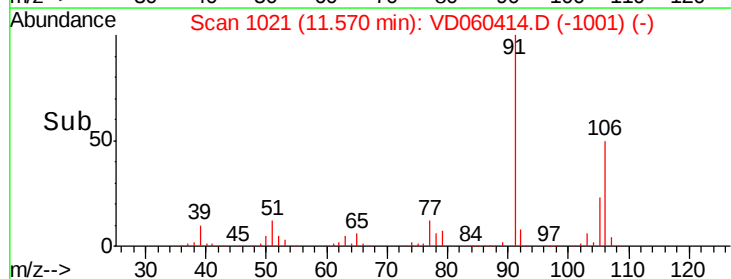
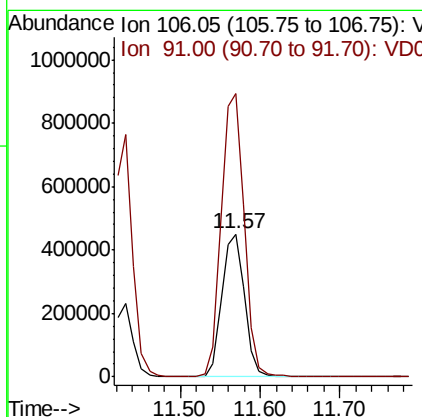
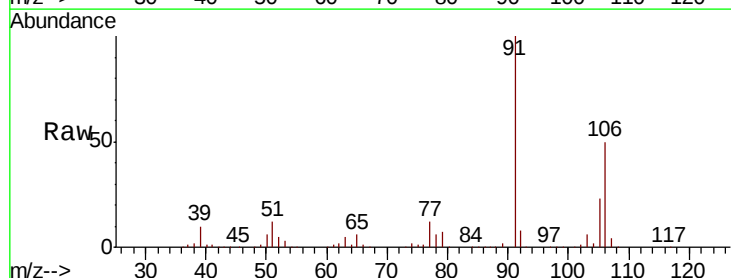
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBSD01

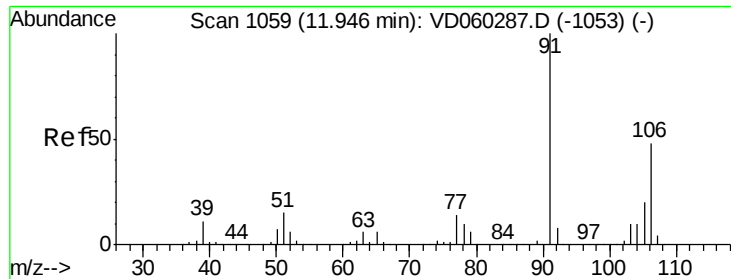
Tot Ion: 91 Resp: 1220401
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 45.882 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 106 Resp: 904378
Ion Ratio Lower Upper
106 100
91 198.6 159.4 239.2

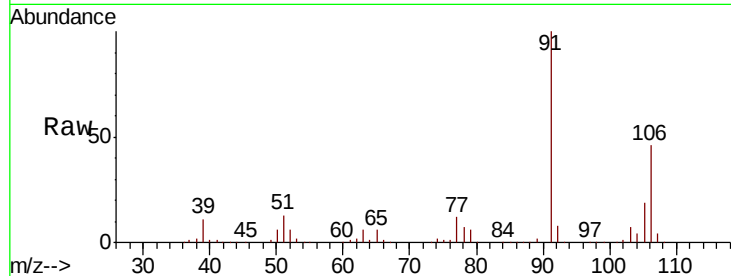




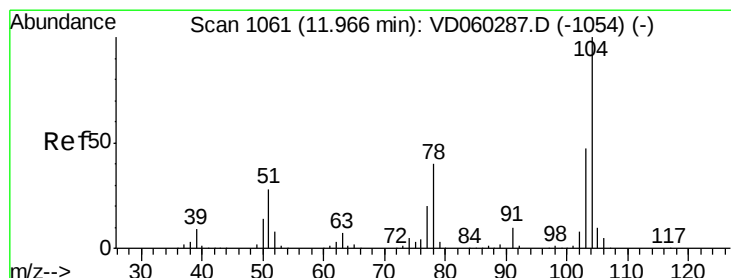
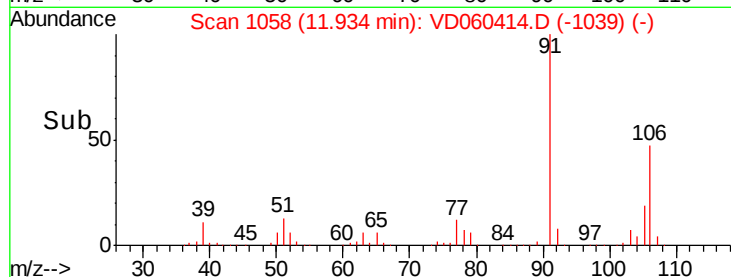
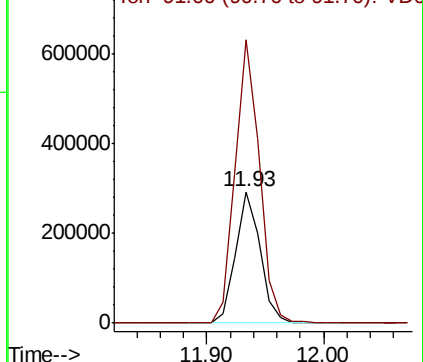
#69
o-Xylene
Concen: 22.518 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion:106 Resp: 428799
Ion Ratio Lower Upper
106 100
91 215.2 109.2 327.6

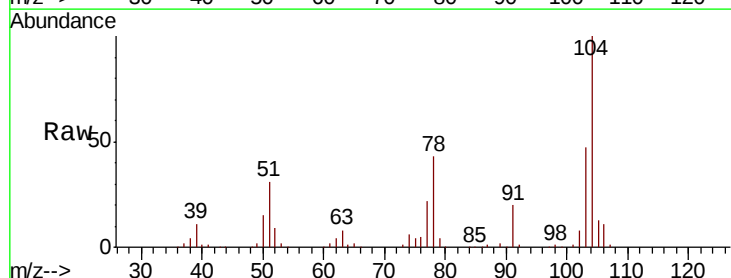


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

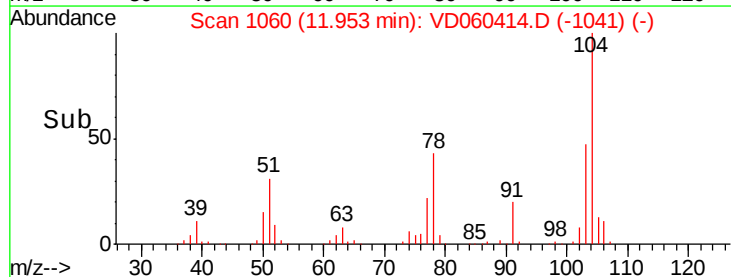
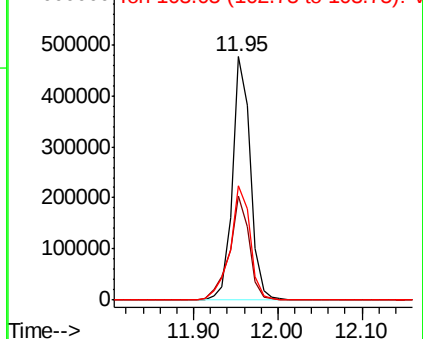


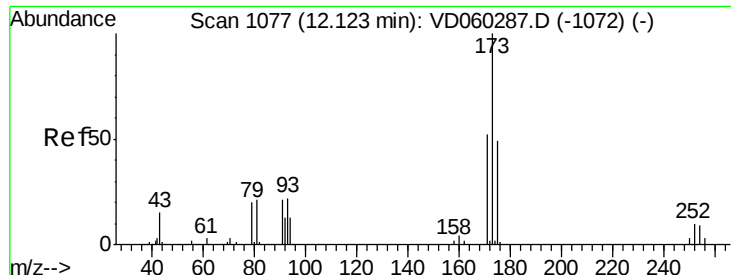
#70
Styrene
Concen: 22.801 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion:104 Resp: 701691
Ion Ratio Lower Upper
104 100
78 43.0 31.6 47.4
103 47.0 37.0 55.6



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

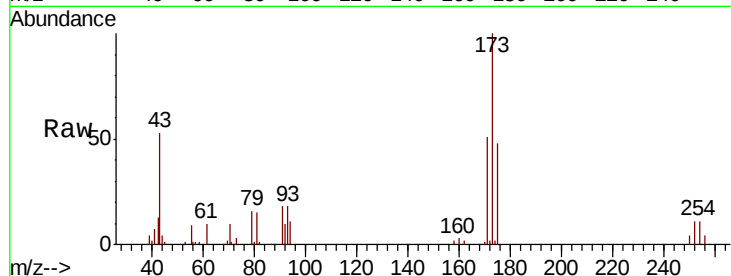




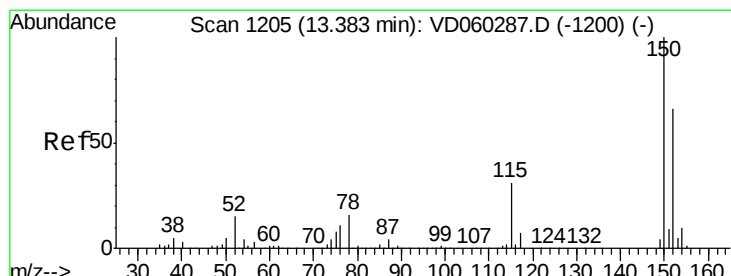
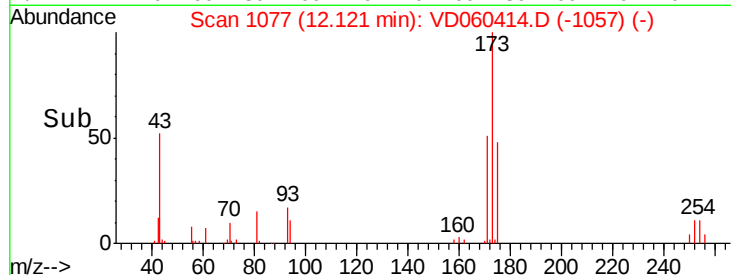
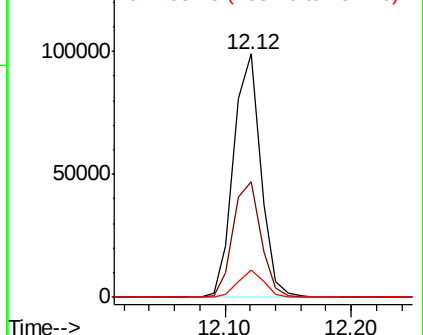
#71
Bromoform
Concen: 21.438 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBSD01

Tot Ion:173 Resp: 147231
Ion Ratio Lower Upper
173 100
175 47.7 24.3 73.0
254 11.3 8.3 12.5

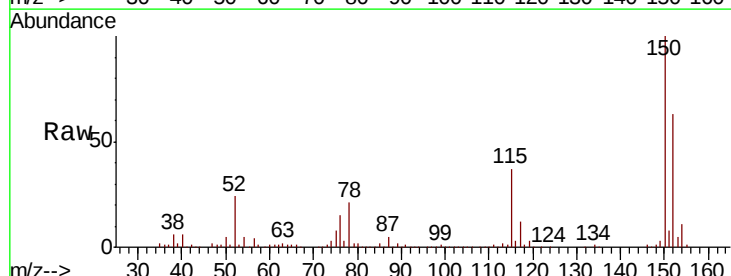


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

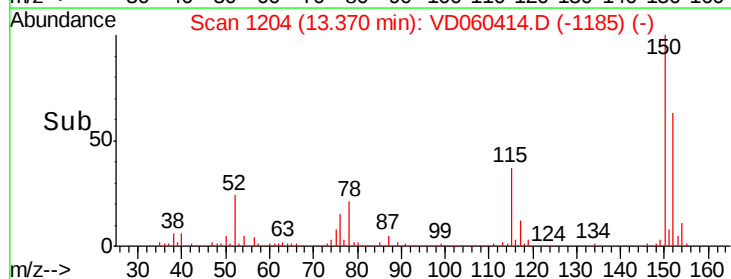
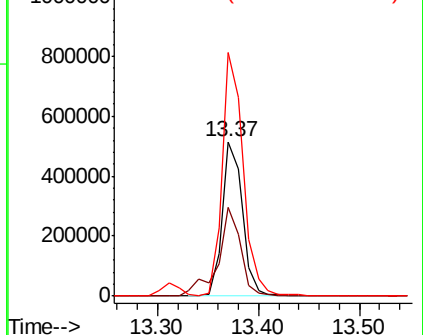


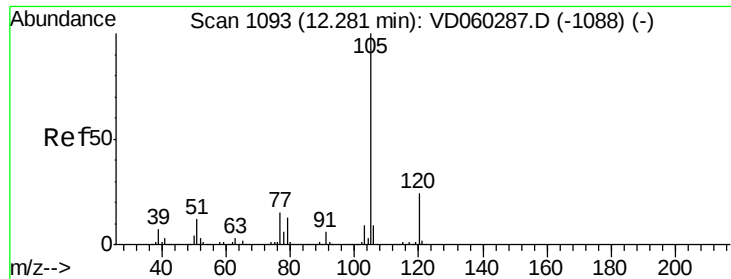
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion:152 Resp: 720296
Ion Ratio Lower Upper
152 100
115 57.7 24.1 72.3
150 157.8 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: 23.428 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

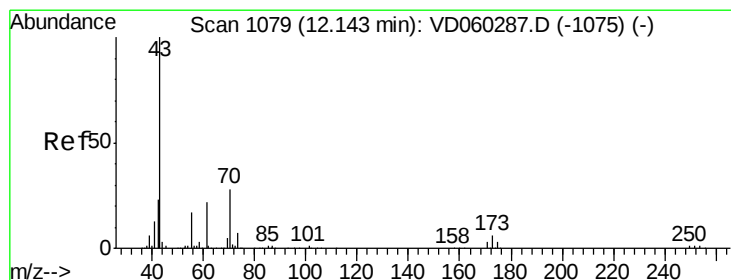
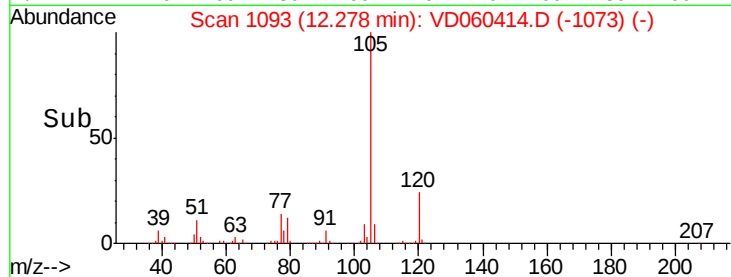
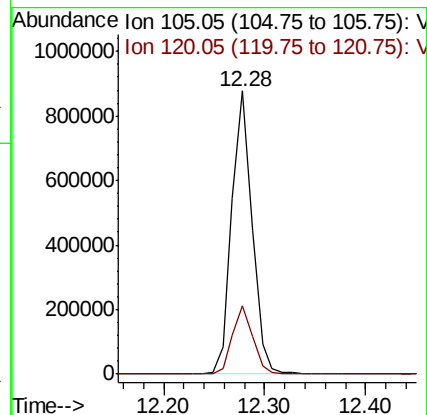
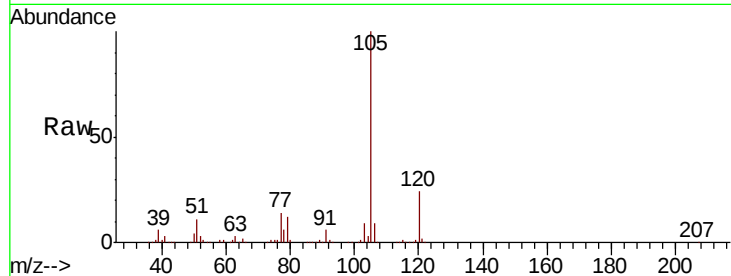
VD1119SBSD01

Tot Ion:105 Resp: 1229471

Ion Ratio Lower Upper

105 100

120 24.3 12.1 36.3



#74

N-ethyl acetate

Concen: 21.624 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Tgt Ion: 43 Resp: 290943

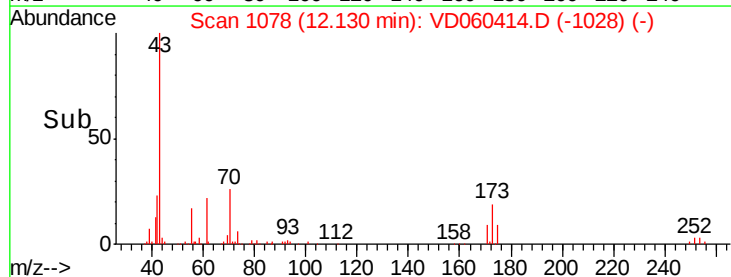
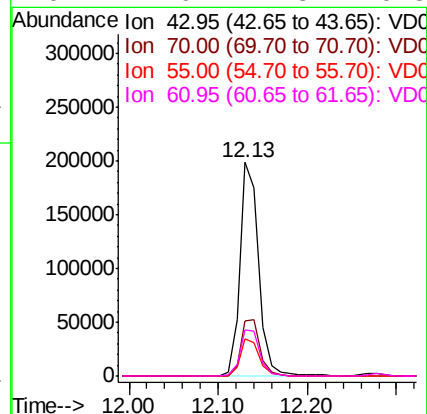
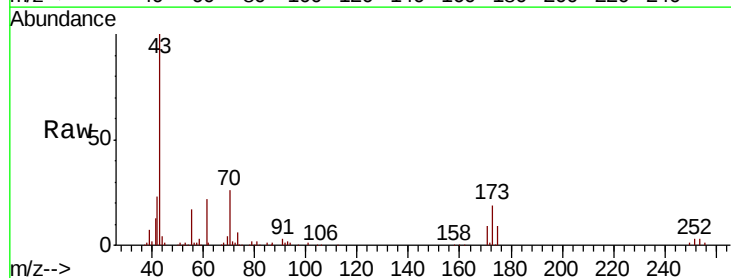
Ion Ratio Lower Upper

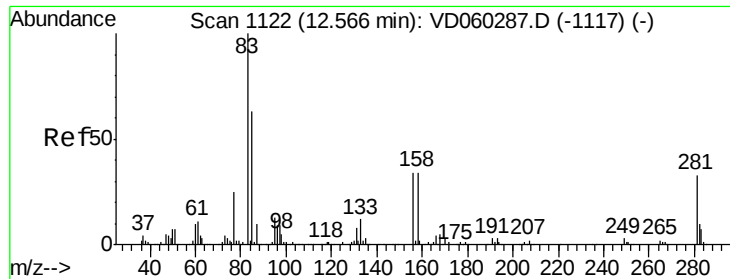
43 100

70 25.9 23.0 34.4

55 17.3 14.2 21.4

61 21.9 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.365 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

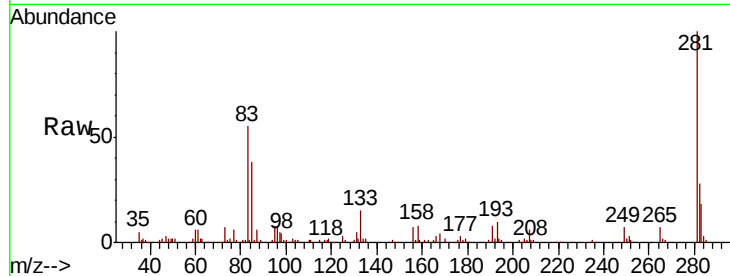
Tot Ion: 83 Resp: 174785

Ion Ratio Lower Upper

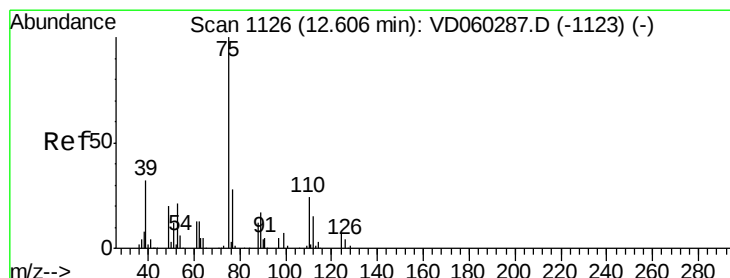
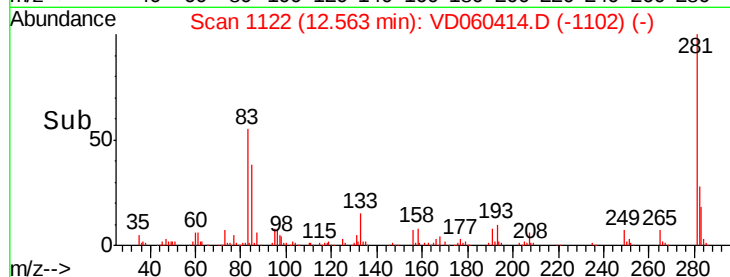
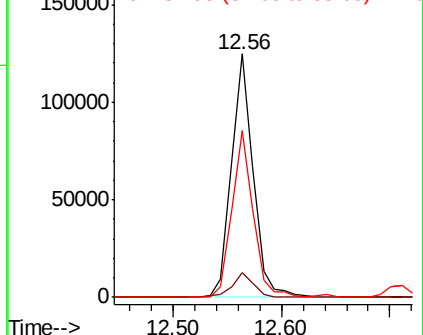
83 100

131 9.9 3.9 11.5

85 68.4 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: 21.125 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060414.D

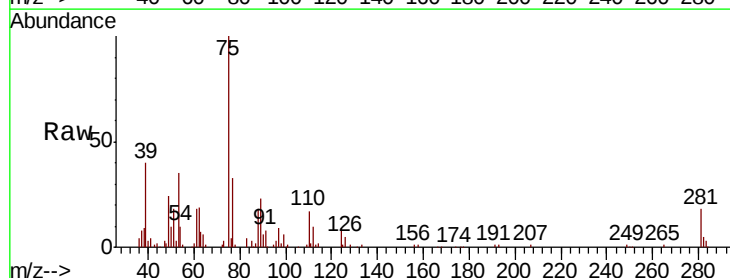
Acq: 19 Nov 2018 14:01

Tgt Ion: 75 Resp: 182021

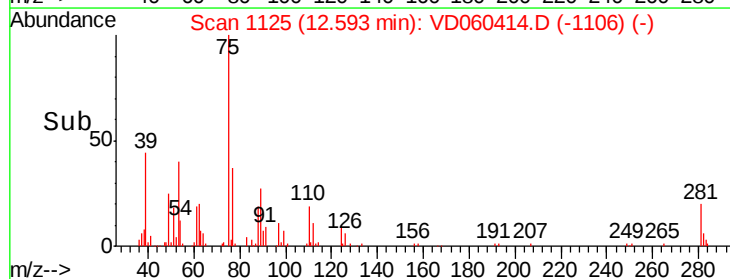
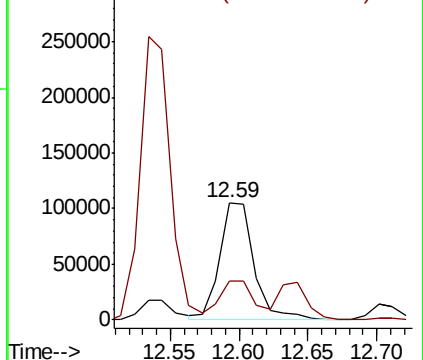
Ion Ratio Lower Upper

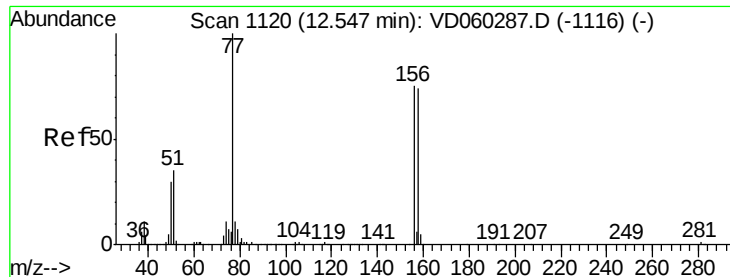
75 100

77 33.0 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: 22.081 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

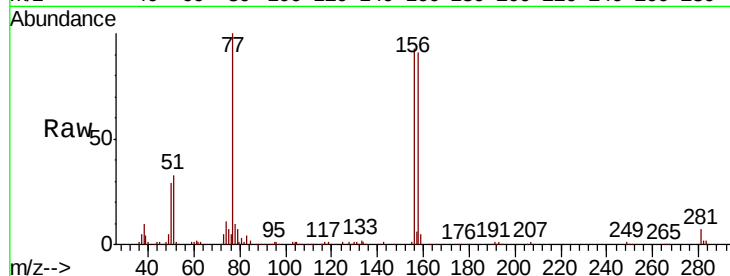
Tot Ion:156 Resp: 307809

Ion Ratio Lower Upper

156 100

77 107.7 61.2 183.6

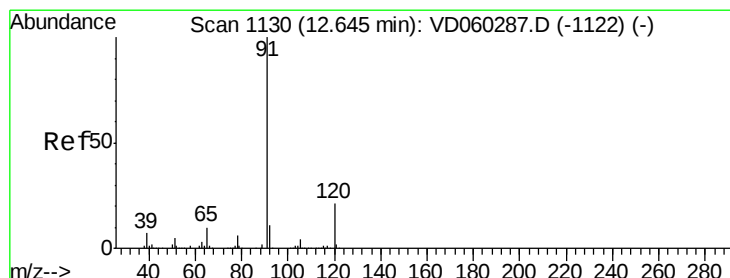
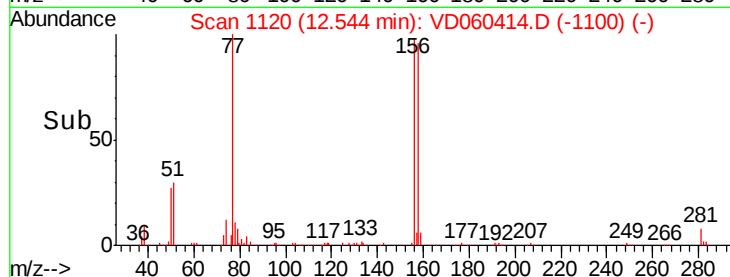
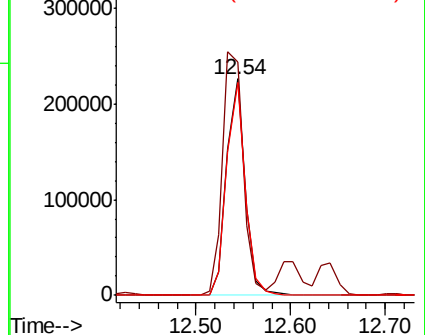
158 98.2 49.2 147.6



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: 22.609 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060414.D

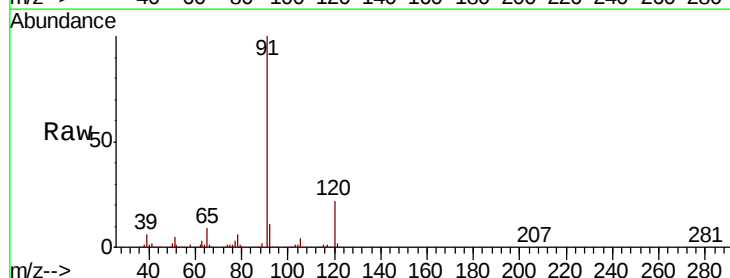
Acq: 19 Nov 2018 14:01

Tgt Ion: 91 Resp: 1480962

Ion Ratio Lower Upper

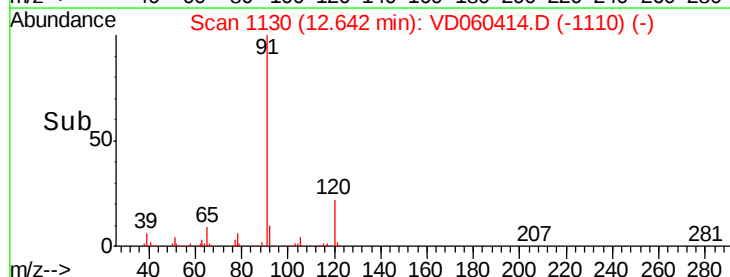
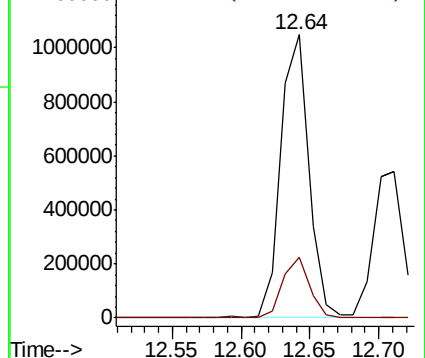
91 100

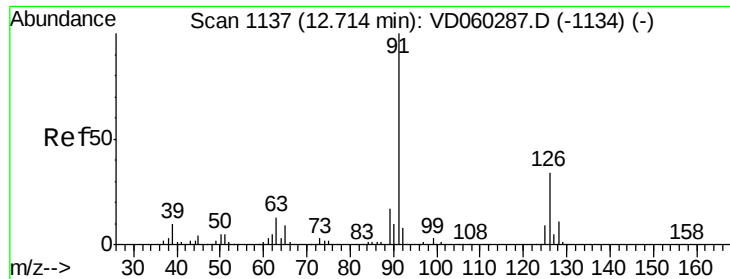
120 21.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

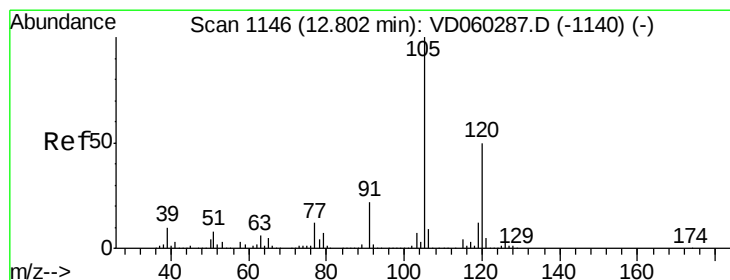
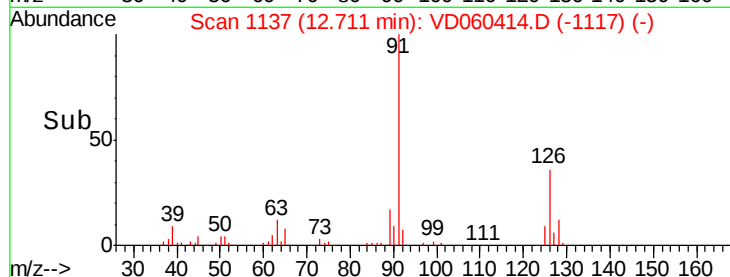
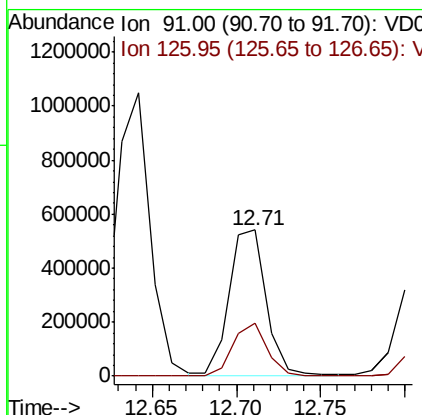
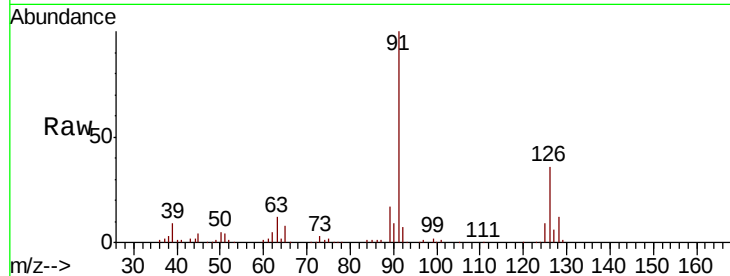




#79
 2-Chlorotoluene
 Concen: 23.046 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

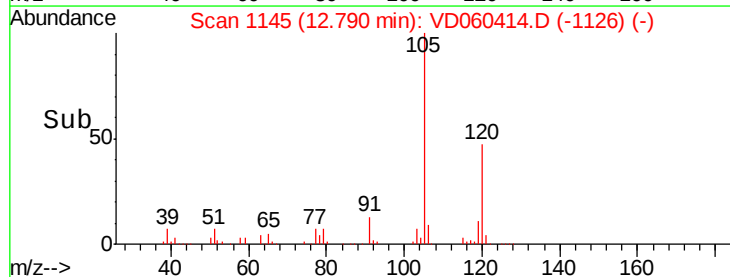
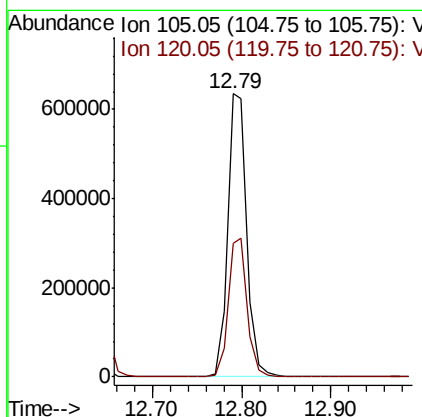
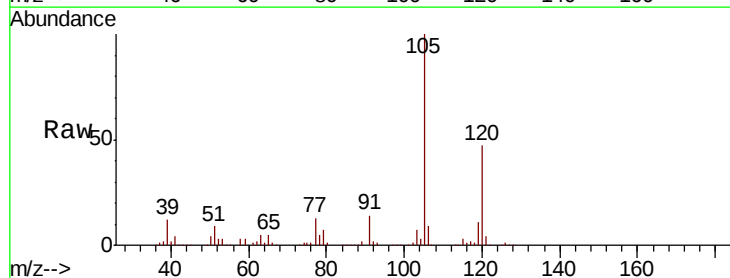
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

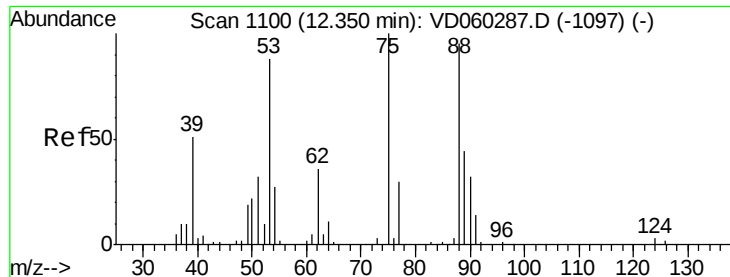
Tot Ion: 91 Resp: 826795
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 23.526 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion: 105 Resp: 959469
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.158 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

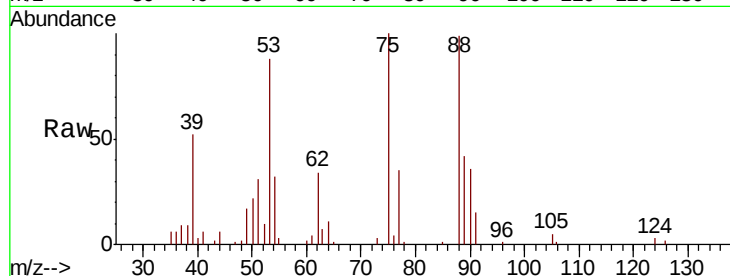
Tot Ion: 75 Resp: 51902

Ion Ratio Lower Upper

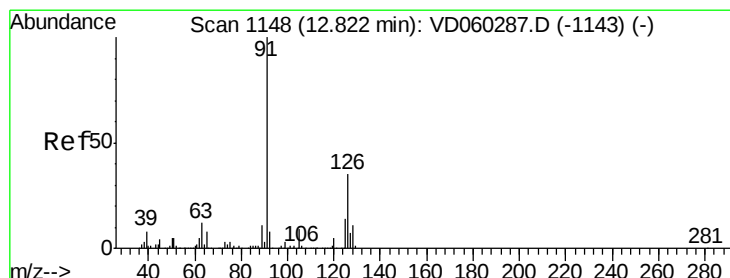
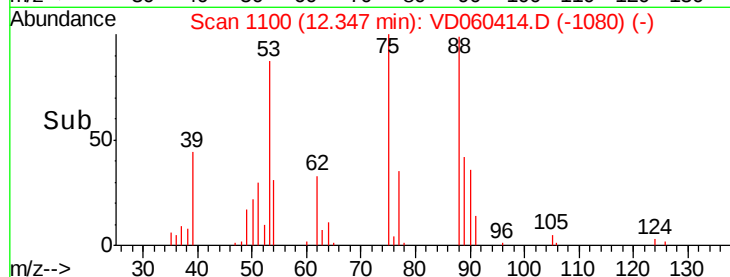
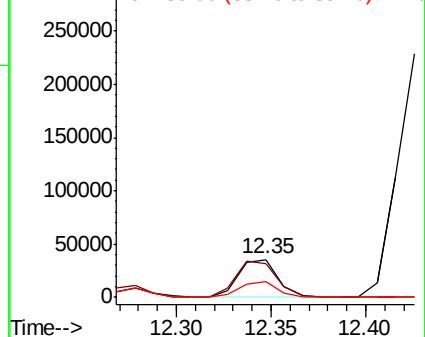
75 100

53 88.3 68.6 103.0

89 42.3 34.1 51.1



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



#82

4-Chlorotoluene

Concen: 23.464 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060414.D

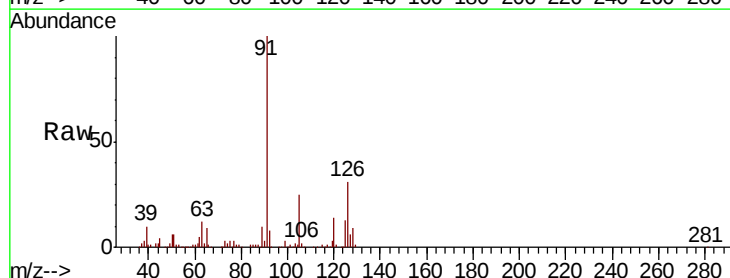
Acq: 19 Nov 2018 14:01

Tgt Ion: 91 Resp: 945582

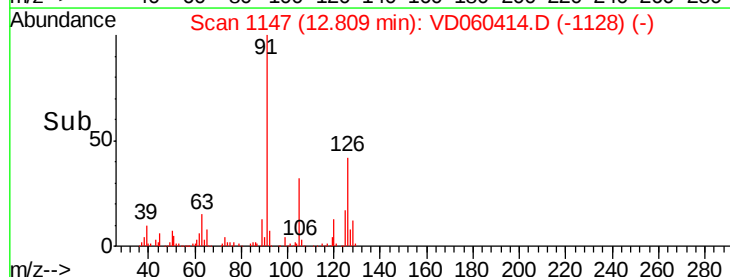
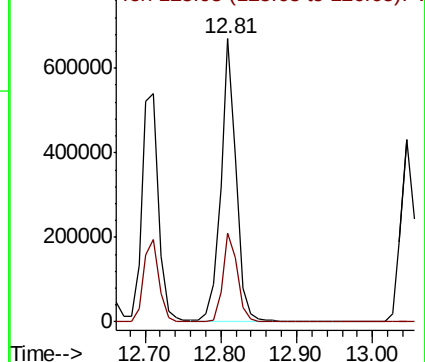
Ion Ratio Lower Upper

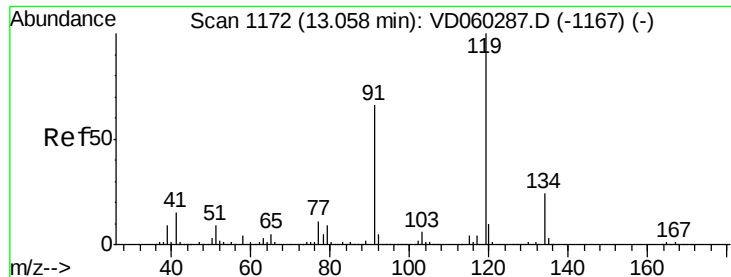
91 100

126 31.4 14.8 44.4



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

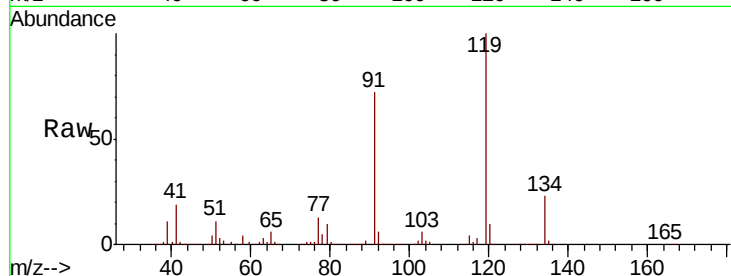




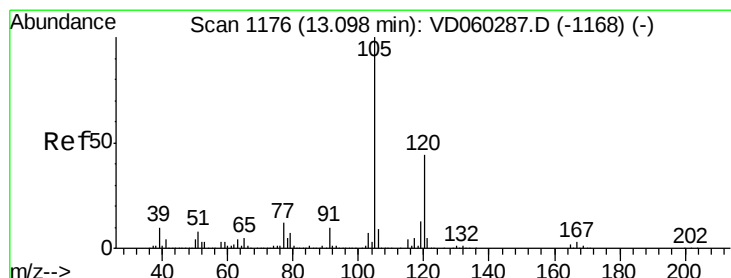
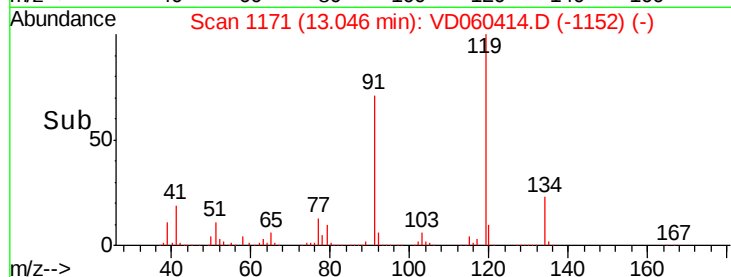
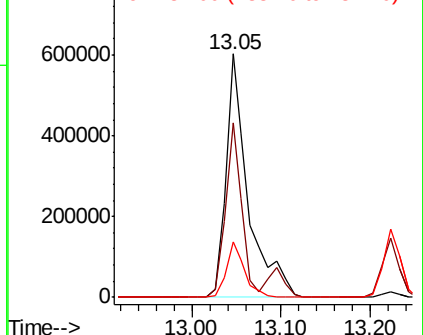
#83
tert-Butylbenzene
Concen: 23.302 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion:119 Resp: 1055112
Ion Ratio Lower Upper
119 100
91 71.6 32.7 98.1
134 22.7 12.1 36.3

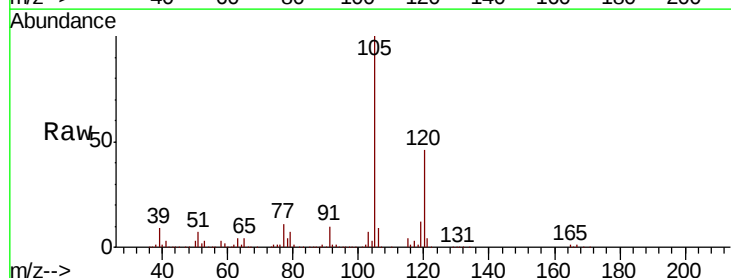


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

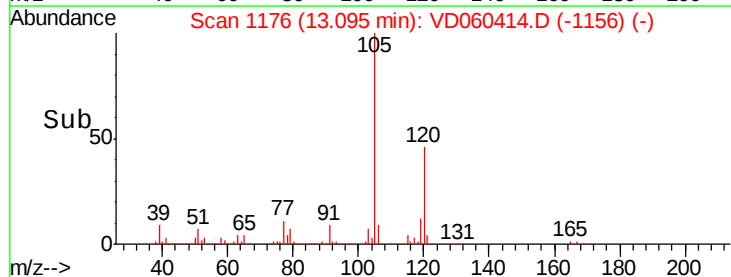
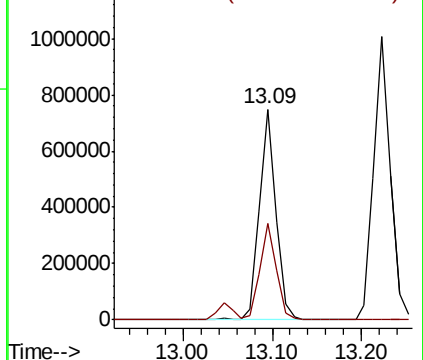


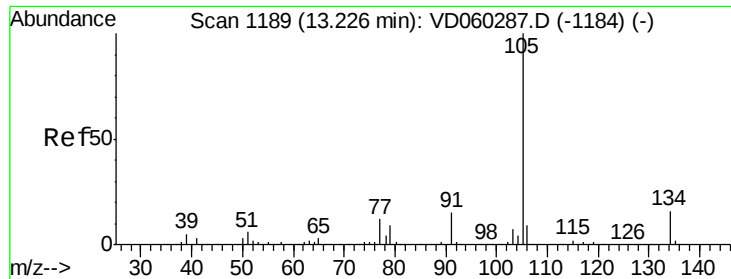
#84
1,2,4-Trimethylbenzene
Concen: 23.346 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion:105 Resp: 950894
Ion Ratio Lower Upper
105 100
120 45.8 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 23.268 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

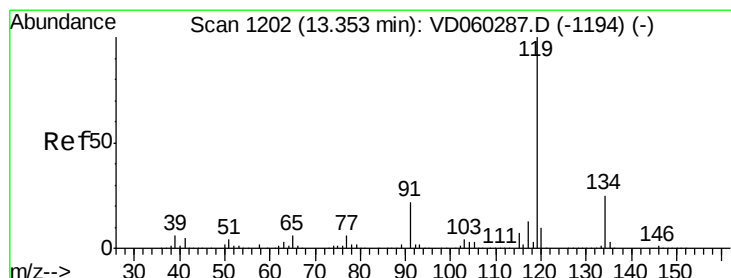
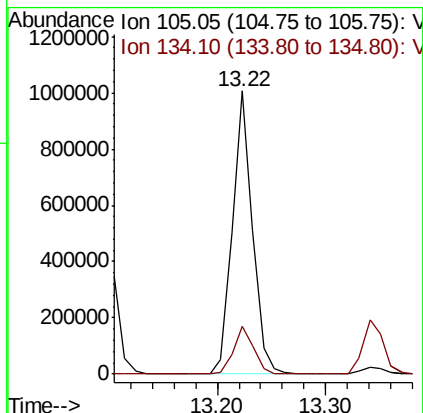
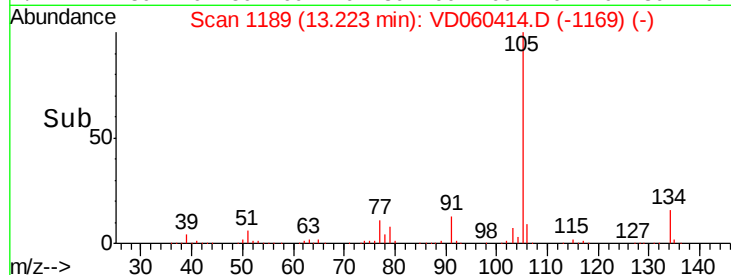
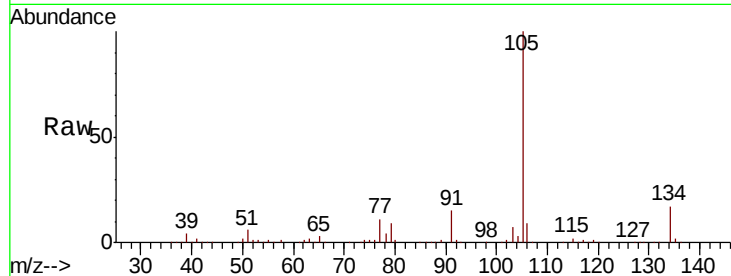
VD1119SBS01

Tot Ion:105 Resp: 1292579

Ion Ratio Lower Upper

105 100

134 16.8 8.0 24.0



#86

p-Isopropyltoluene

Concen: 23.699 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

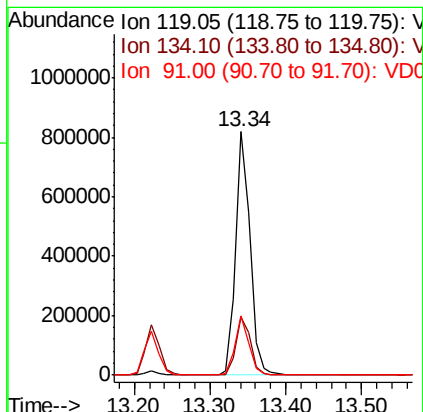
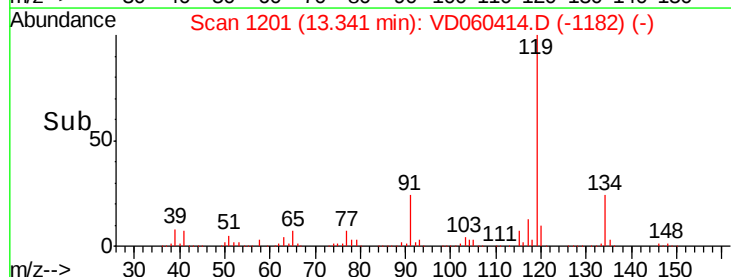
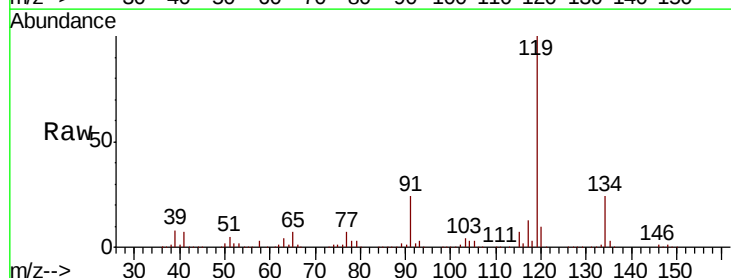
Tgt Ion:119 Resp: 1060208

Ion Ratio Lower Upper

119 100

134 23.6 12.9 38.6

91 24.3 11.3 33.8

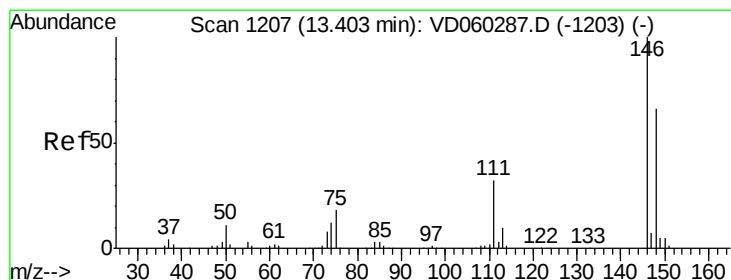
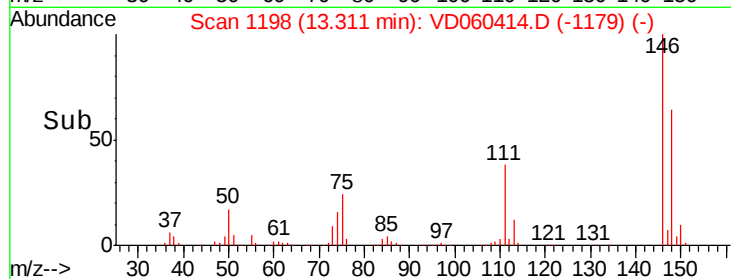
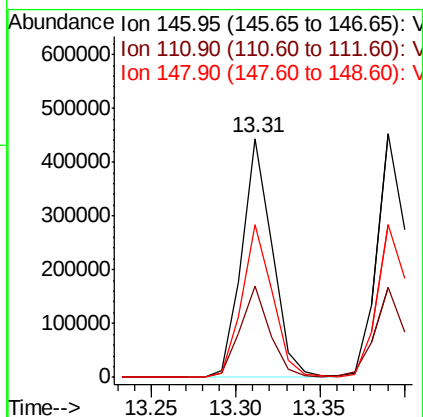
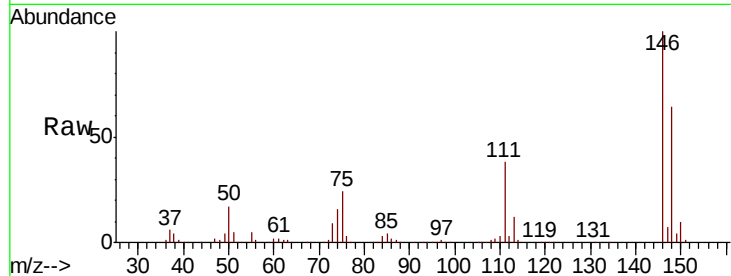




#87
 1,3-Dichlorobenzene
 Concen: 22.522 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

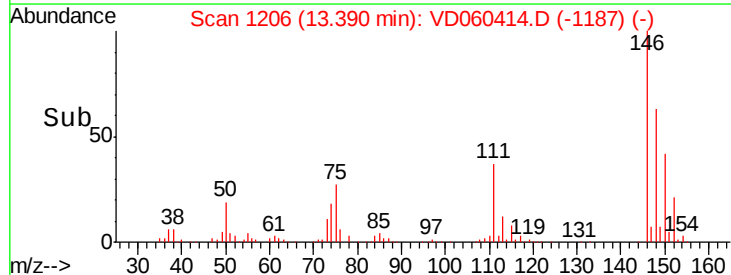
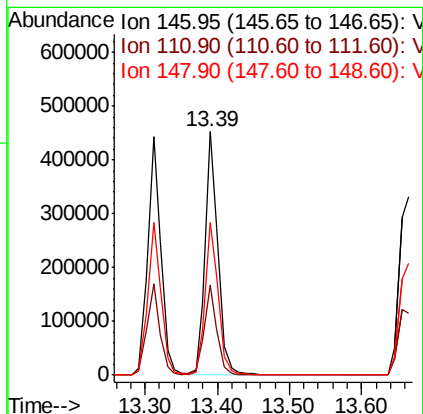
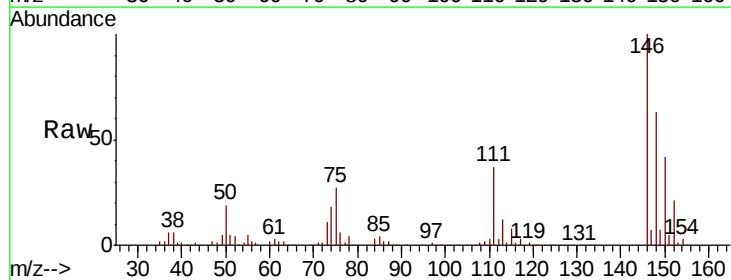
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

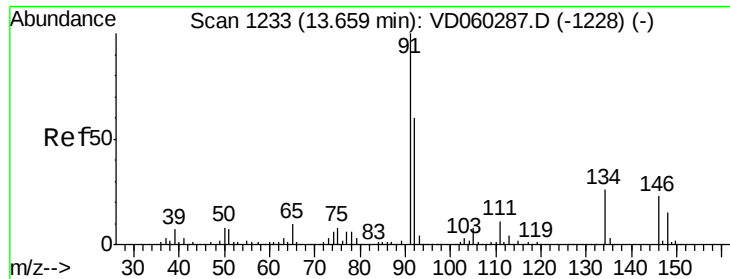
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.2	60.5
148	63.8	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 23.233 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	16.0	47.9
148	62.7	32.9	98.7

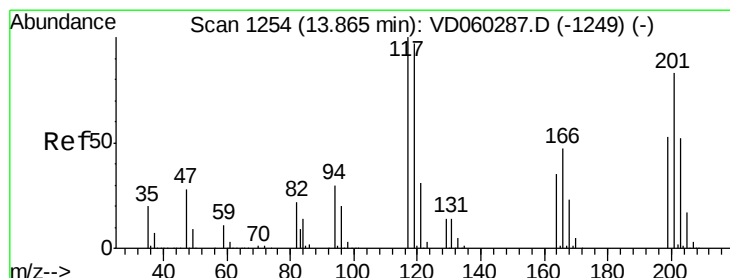
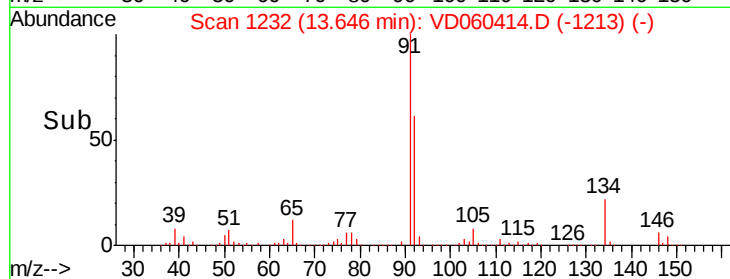
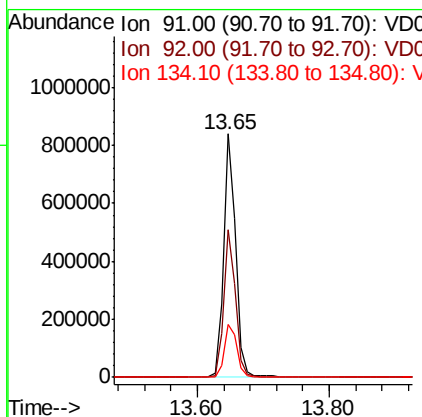
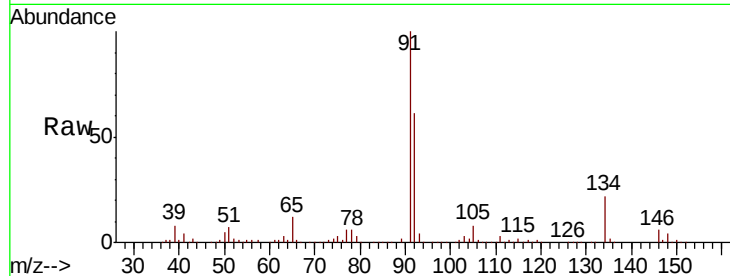




#89
n-Butylbenzene
Concen: 21.907 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

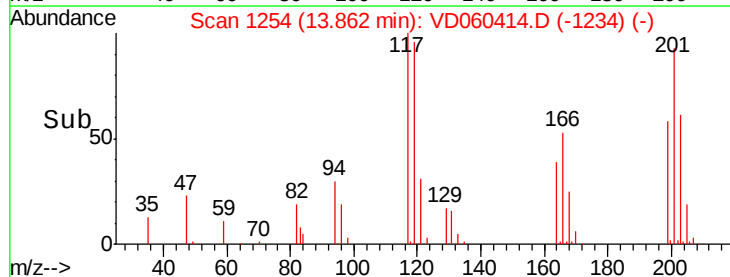
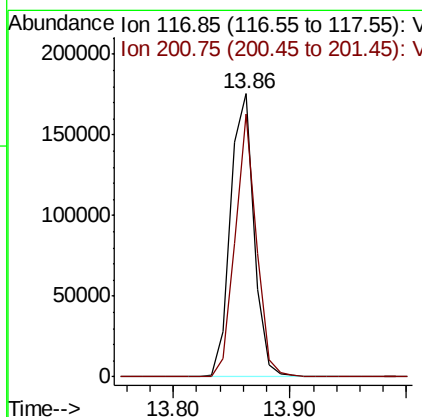
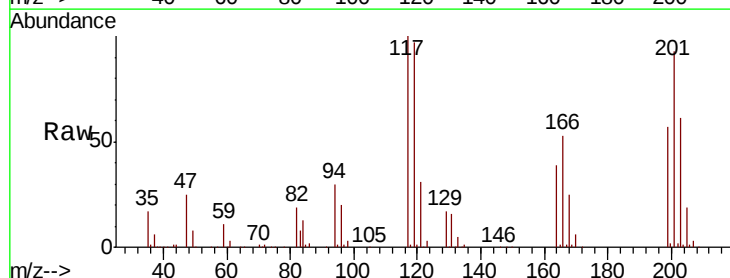
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

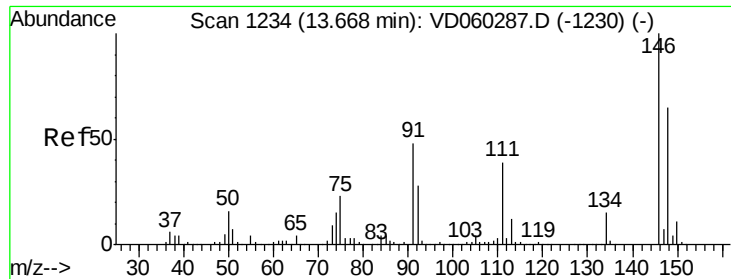
Tot Ion: 91 Resp: 1067236
Ion Ratio Lower Upper
91 100
92 60.5 30.3 90.9
134 21.7 13.0 38.9



#90
Hexachloroethane
Concen: 23.154 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion: 117 Resp: 245613
Ion Ratio Lower Upper
117 100
201 92.8 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 23.406 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

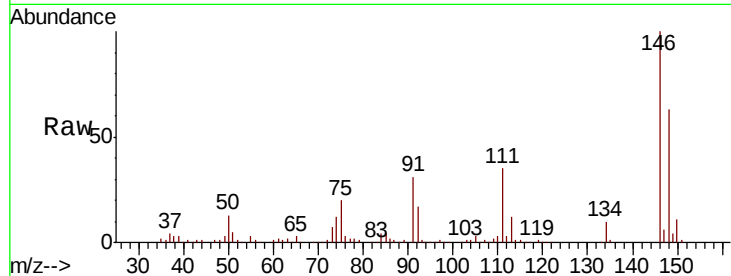
Tot Ion:146 Resp: 476804

Ion Ratio Lower Upper

146 100

111 34.9 18.9 56.9

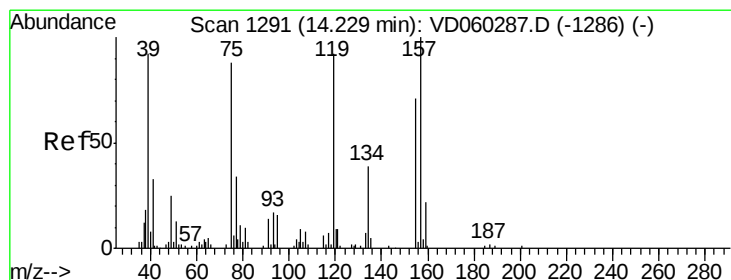
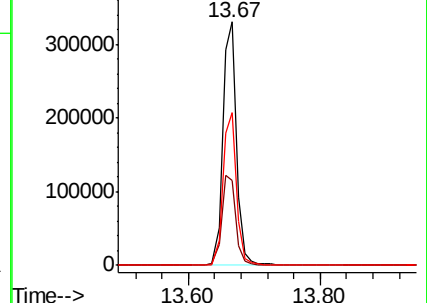
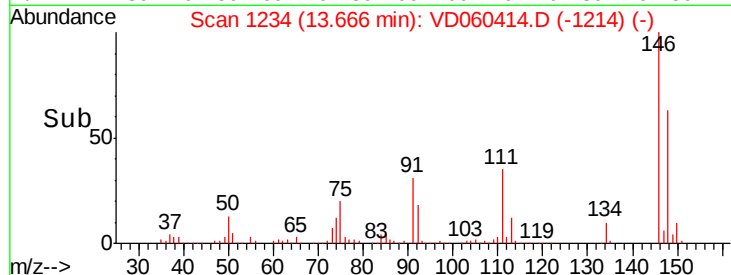
148 62.9 31.6 94.8



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: 20.942 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VD060414.D

Acq: 19 Nov 2018 14:01

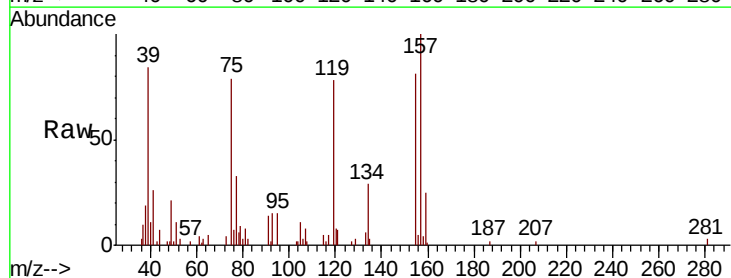
Tgt Ion: 75 Resp: 21696

Ion Ratio Lower Upper

75 100

155 102.5 64.3 192.9

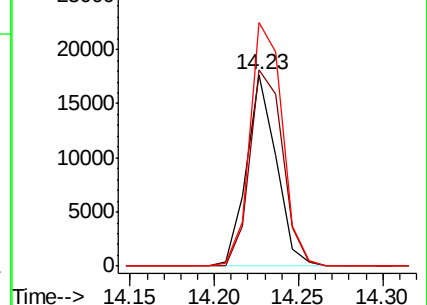
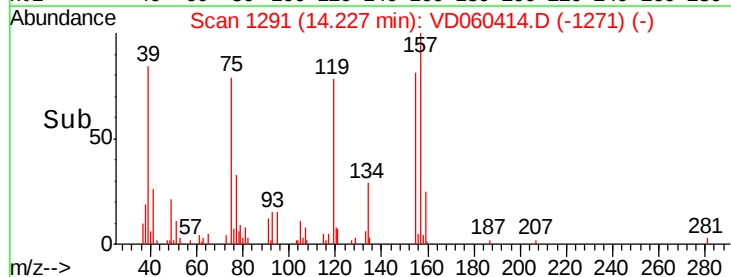
157 127.2 81.0 243.1

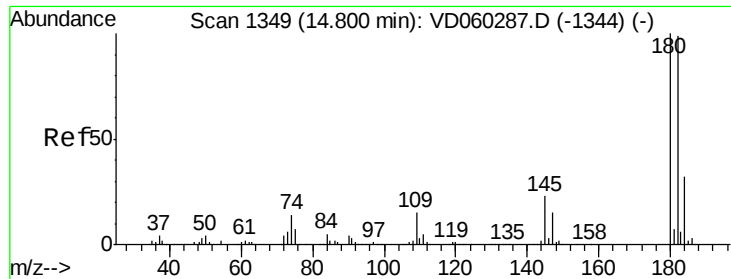


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

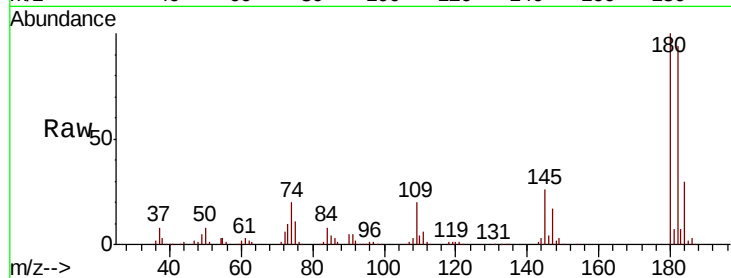




#93
 1,2,4-Trichlorobenzene
 Concen: 22.020 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.4
145	26.4	11.5	34.4

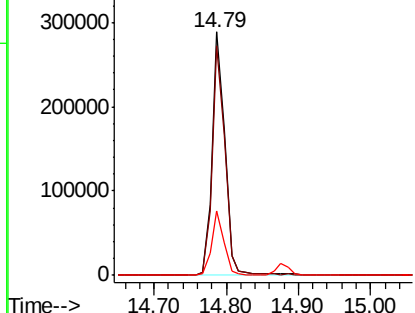
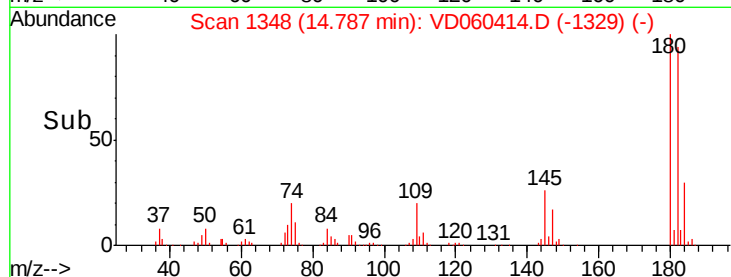


Abundance

Ion 179.85 (179.55 to 180.55): V

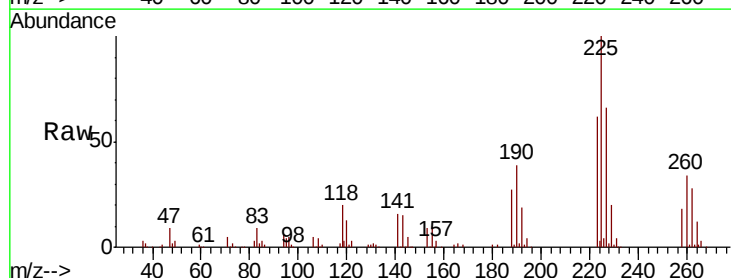
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 21.786 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060414.D
 Acq: 19 Nov 2018 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	94.8
227	65.8	32.3	96.9

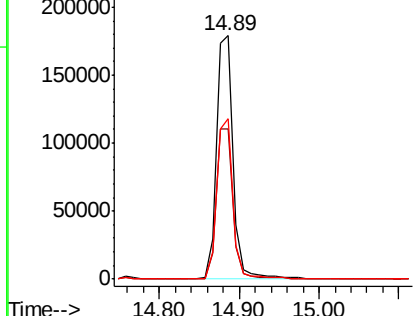
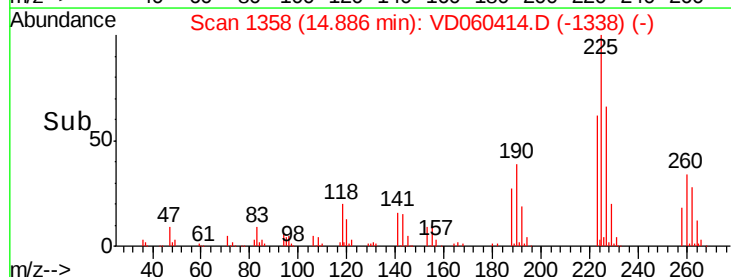


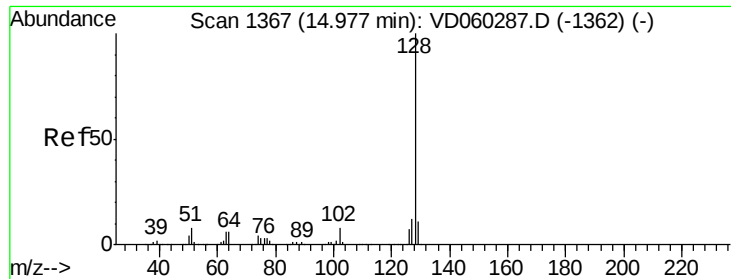
Abundance

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

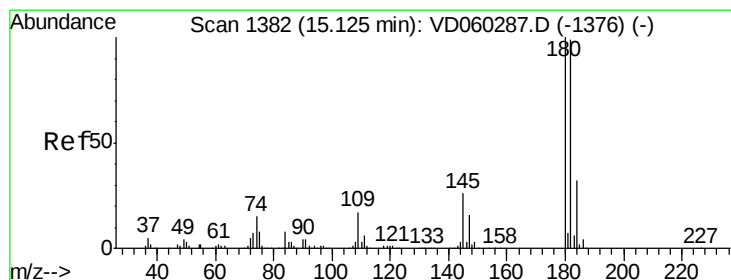
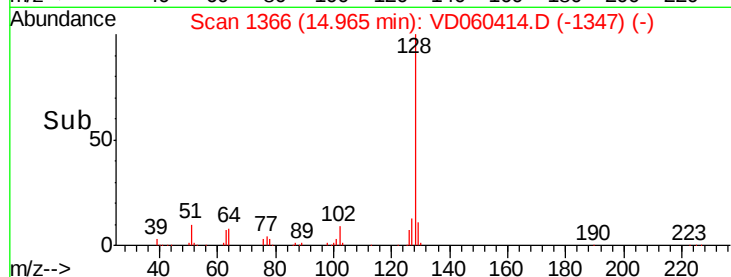
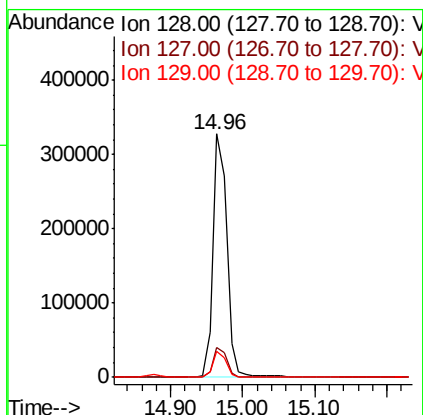
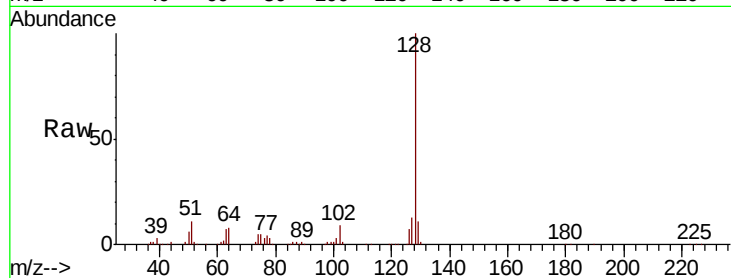




#95
Naphthalene
Concen: 22.070 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion:128 Resp: 435255
Ion Ratio Lower Upper
128 100
127 12.5 9.6 14.4
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.228 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060414.D
Acq: 19 Nov 2018 14:01

Tgt Ion:180 Resp: 287685
Ion Ratio Lower Upper
180 100
182 96.2 48.9 146.7
145 28.3 12.9 38.6

