

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
 Data File : VD060413.D
 Acq On : 19 Nov 2018 13:33
 Operator : JC/SY
 Sample : VD1119SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Quant Time: Nov 20 00:30:25 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	1486630	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2036111	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1617745	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	791728	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	471826	44.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.66%	
35) Dibromofluoromethane	6.32	113	721179	47.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	9.45	98	2034257	45.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.56%	
62) 4-Bromofluorobenzene	12.43	95	719702	44.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	289910	22.326	ug/l	98
3) Chloromethane	1.77	50	281149	19.965	ug/l	99
4) Vinyl Chloride	1.86	62	236637	20.577	ug/l	96
5) Bromomethane	2.15	94	49975	18.316	ug/l	94
6) Chloroethane	2.26	64	70557	18.491	ug/l	94
7) Trichlorofluoromethane	2.52	101	269352	19.866	ug/l	99
8) Diethyl Ether	2.83	74	46867	19.092	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.10	101	176941	19.841	ug/l	99
10) Methyl Iodide	3.25	142	193532	16.709	ug/l	99
11) Tert butyl alcohol	3.96	59	41790	95.607	ug/l	100
12) 1,1-Dichloroethene	3.08	96	138343	19.072	ug/l	90
13) Acrolein	2.99	56	38681	74.893	ug/l	96
14) Allyl chloride	3.54	41	276413	19.915	ug/l	95
15) Acrylonitrile	4.09	53	241781	94.855	ug/l	95
16) Acetone	3.17	43	179963	97.467	ug/l	98
17) Carbon Disulfide	3.32	76	444231	18.973	ug/l	98
18) Methyl Acetate	3.56	43	71959	18.278	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	420971	19.381	ug/l	99
20) Methylene Chloride	3.73	84	355214	21.687	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	332290	20.631	ug/l	99
22) Diisopropyl ether	4.86	45	1018719	19.646	ug/l	96
23) Vinyl Acetate	4.81	43	2448819	94.910	ug/l	97
24) 1,1-Dichloroethane	4.76	63	537746	20.223	ug/l	99
25) 2-Butanone	5.63	43	368703	96.070	ug/l	98
26) 2,2-Dichloropropane	5.60	77	437985	21.186	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	340868	20.315	ug/l	93
28) Bromochloromethane	5.93	49	215711	18.386	ug/l	95
29) Tetrahydrofuran	5.96	42	185156	91.506	ug/l	99
30) Chloroform	6.11	83	548373	20.629	ug/l	97
31) Cyclohexane	6.37	56	499398	19.650	ug/l	95
32) 1,1,1-Trichloroethane	6.30	97	458625	20.482	ug/l	99
36) 1,1-Dichloropropene	6.52	75	406223	20.194	ug/l	100
37) Ethyl Acetate	5.70	43	164224	17.741	ug/l	98
38) Carbon Tetrachloride	6.50	117	391429	20.977	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
 Data File : VD060413.D
 Acq On : 19 Nov 2018 13:33
 Operator : JC/SY
 Sample : VD1119SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Quant Time: Nov 20 00:30:25 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)
39) Methylcyclohexane	8.04	83	459193	19.847	ug/l	99
40) Benzene	6.80	78	1044447	20.341	ug/l	99
41) Methacrylonitrile	5.93	41	193483	18.262	ug/l #	84
42) 1,2-Dichloroethane	6.90	62	260598	19.390	ug/l	100
43) Isopropyl Acetate	8.35	43	209552	18.022	ug/l #	100
44) Trichloroethene	7.74	130	320006	20.559	ug/l	99
45) 1,2-Dichloropropane	8.11	63	263881	20.377	ug/l	100
46) Dibromomethane	8.21	93	146374	19.299	ug/l	95
47) Bromodichloromethane	8.49	83	359352	20.106	ug/l	99
48) Methyl methacrylate	8.24	41	131584	18.631	ug/l	99
49) 1,4-Dioxane	8.23	88	25542	417.977	ug/l	92
51) 4-Methyl-2-Pentanone	9.35	43	704477	93.089	ug/l	98
52) Toluene	9.55	92	680140	20.736	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	296445	19.630	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	381858	19.715	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	184957	19.455	ug/l	96
56) Ethyl methacrylate	10.03	69	167056	19.112	ug/l	97
57) 1,3-Dichloropropane	10.39	76	277386	19.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	507687	96.058	ug/l	99
59) 2-Hexanone	10.49	43	530107	98.280	ug/l	100
60) Dibromochloromethane	10.64	129	231607	20.042	ug/l	93
61) 1,2-Dibromoethane	10.76	107	182982	19.210	ug/l	99
64) Tetrachloroethene	10.25	164	294476	20.390	ug/l	98
65) Chlorobenzene	11.31	112	715464	20.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	239584	20.890	ug/l	97
67) Ethyl Benzene	11.43	91	1277549	21.306	ug/l	99
68) m/p-Xylenes	11.57	106	954176	43.139	ug/l	100
69) o-Xylene	11.93	106	452553	21.178	ug/l	98
70) Styrene	11.95	104	719594	20.837	ug/l	97
71) Bromoform	12.12	173	147446	19.132	ug/l	98
73) Isopropylbenzene	12.28	105	1282420	22.232	ug/l	100
74) N-amyl acetate	12.13	43	277130	18.739	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	171088	18.136	ug/l	94
76) 1,2,3-Trichloropropane	12.60	75	183842	19.411	ug/l	99
77) Bromobenzene	12.54	156	300516	19.613	ug/l	93
78) n-propylbenzene	12.64	91	1596242	22.170	ug/l	98
79) 2-Chlorotoluene	12.71	91	832186	21.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	973199	21.709	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	51700	19.174	ug/l	96
82) 4-Chlorotoluene	12.81	91	956906	21.602	ug/l	96
83) tert-Butylbenzene	13.05	119	1104719	22.197	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	985384	22.010	ug/l	98
85) sec-Butylbenzene	13.22	105	1345404	22.034	ug/l	99
86) p-Isopropyltoluene	13.34	119	1099011	22.350	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	580536	21.296	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	563155	21.153	ug/l	95
89) n-Butylbenzene	13.65	91	1117382	20.742	ug/l	97
90) Hexachloroethane	13.86	117	255003	21.870	ug/l	93
91) 1,2-Dichlorobenzene	13.67	146	480729	21.470	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21504	18.884	ug/l	70

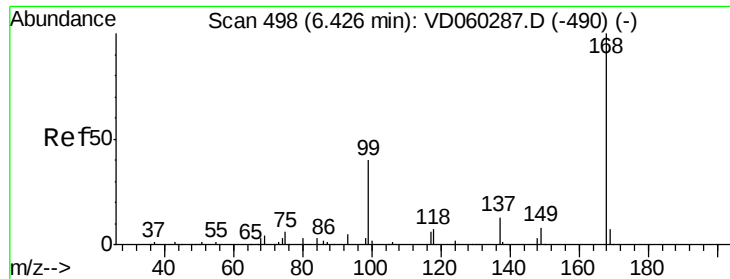
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
Data File : VD060413.D
Acq On : 19 Nov 2018 13:33
Operator : JC/SY
Sample : VD1119SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Quant Time: Nov 20 00:30:25 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)
93) 1,2,4-Trichlorobenzene	14.79	180	362906	20.442	ug/l	96
94) Hexachlorobutadiene	14.89	225	274711	20.688	ug/l	99
95) Naphthalene	14.97	128	425386	19.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	280241	19.699	ug/l	95

(#) = 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: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

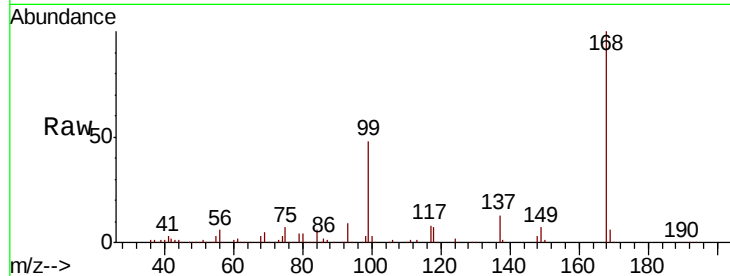
VD1119SBS01

Tgt Ion:168 Resp: 1486630

Ion Ratio Lower Upper

168 100

99 47.7 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

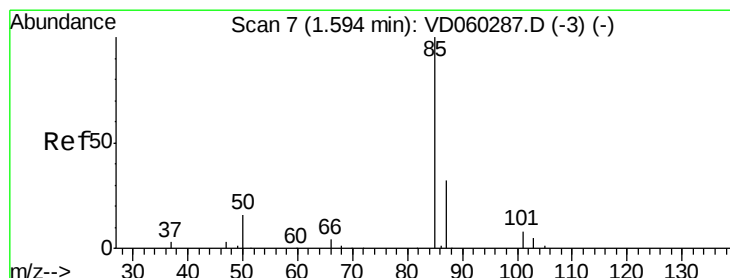
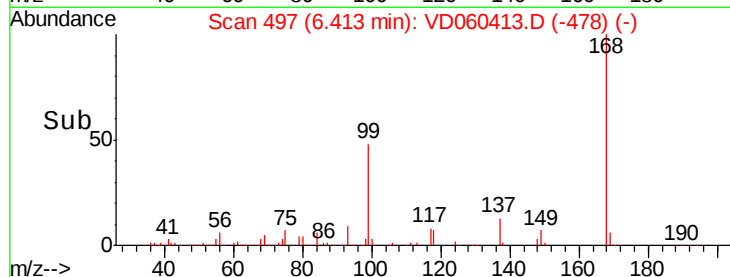
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 22.326 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060413.D

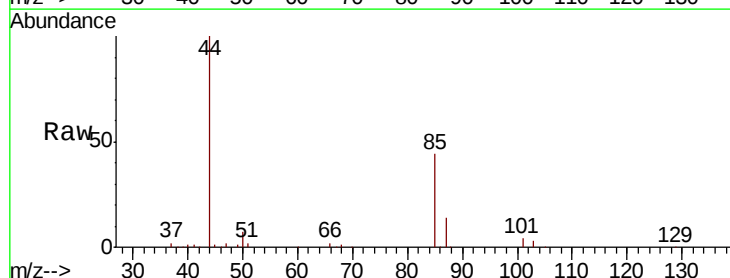
Acq: 19 Nov 2018 13:33

Tgt Ion: 85 Resp: 289910

Ion Ratio Lower Upper

85 100

87 32.6 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

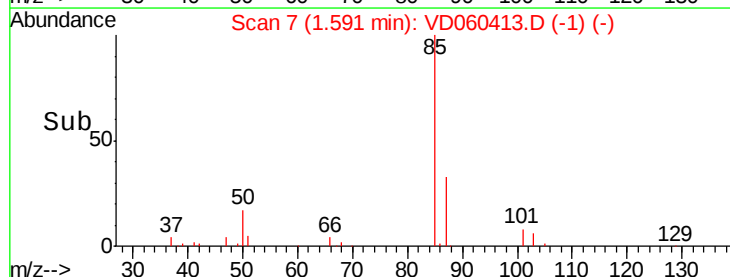
100000

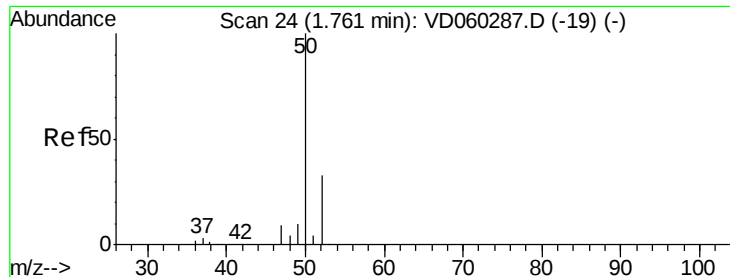
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.965 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

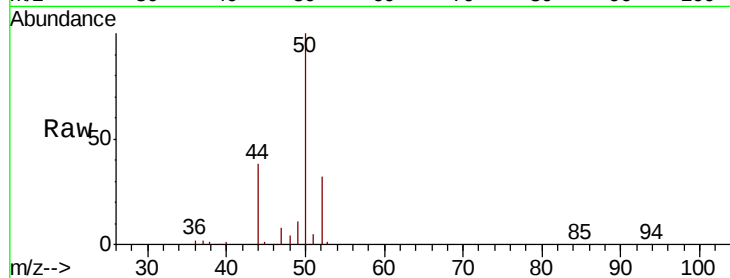
VD1119SBS01

Tgt Ion: 50 Resp: 281149

Ion Ratio Lower Upper

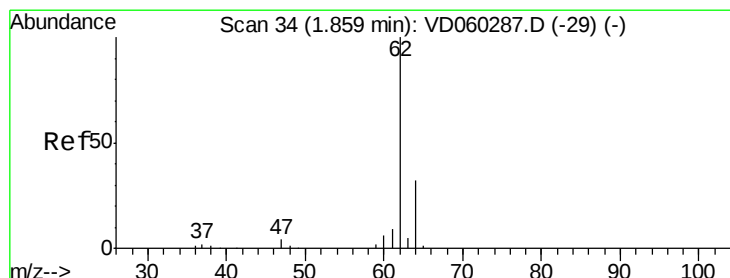
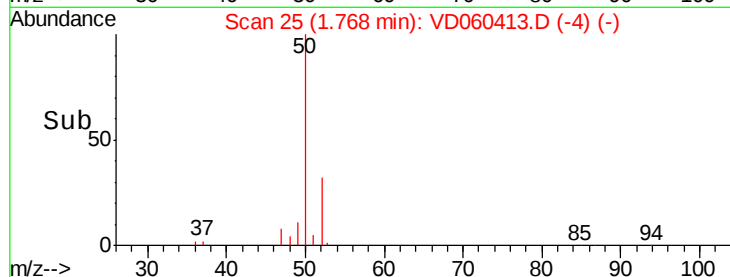
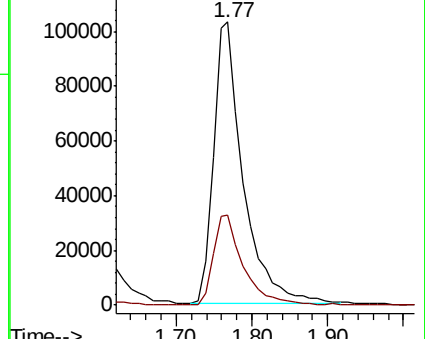
50 100

52 31.9 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: 20.577 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060413.D

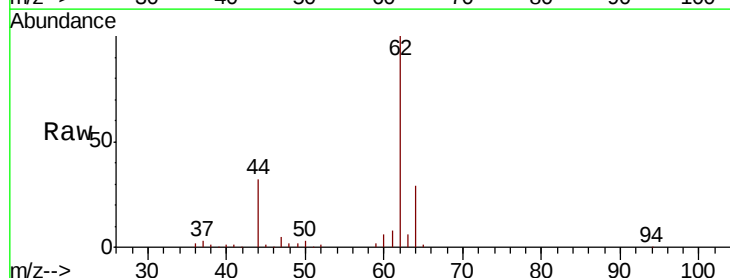
Acq: 19 Nov 2018 13:33

Tgt Ion: 62 Resp: 236637

Ion Ratio Lower Upper

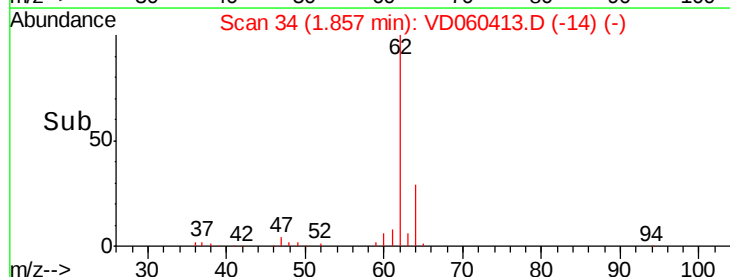
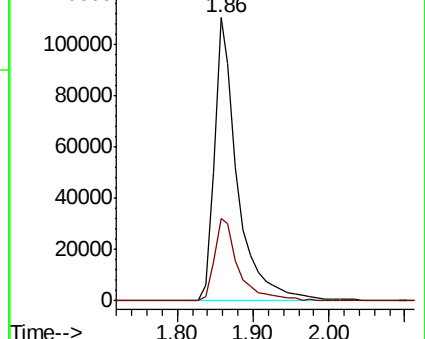
62 100

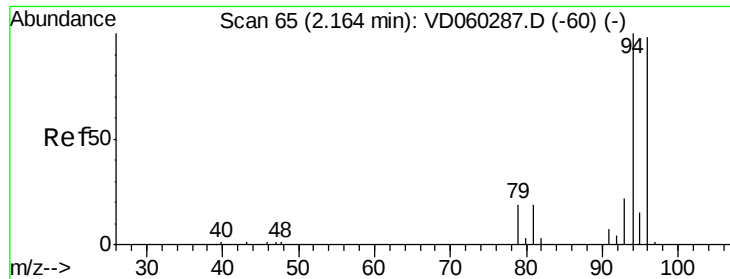
64 28.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.316 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

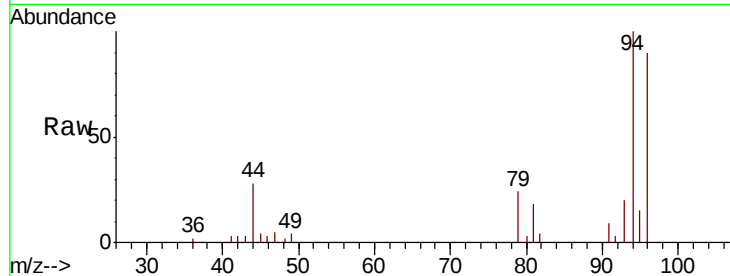
VD1119SBS01

Tgt Ion: 94 Resp: 49975

Ion Ratio Lower Upper

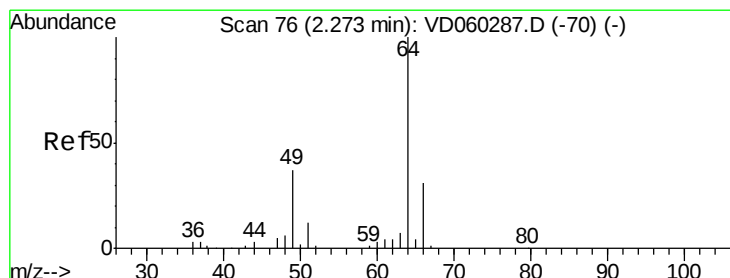
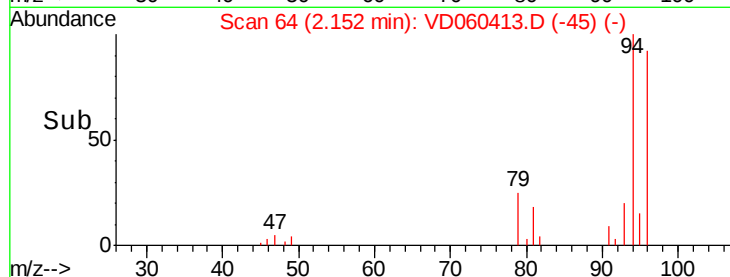
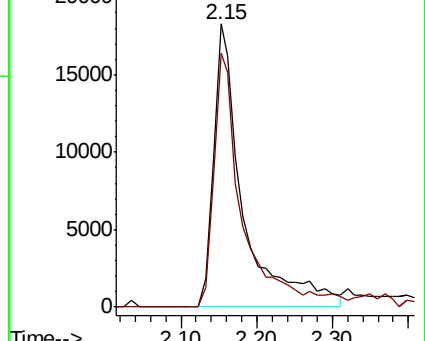
94 100

96 89.8 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.491 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060413.D

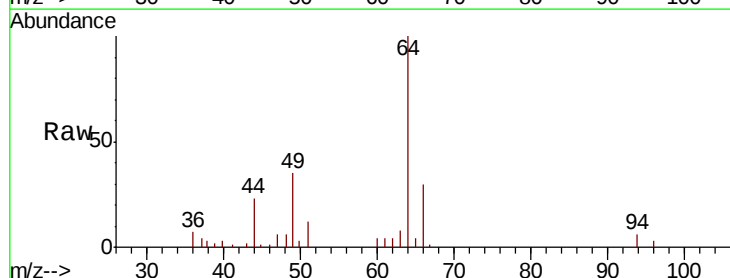
Acq: 19 Nov 2018 13:33

Tgt Ion: 64 Resp: 70557

Ion Ratio Lower Upper

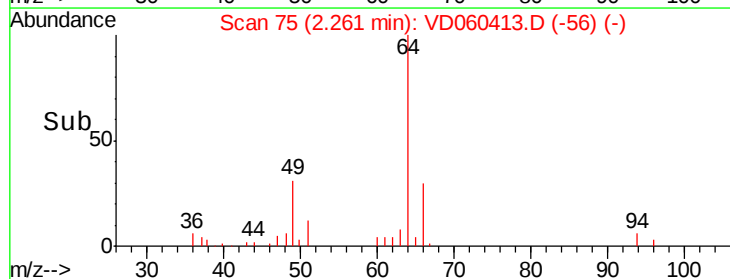
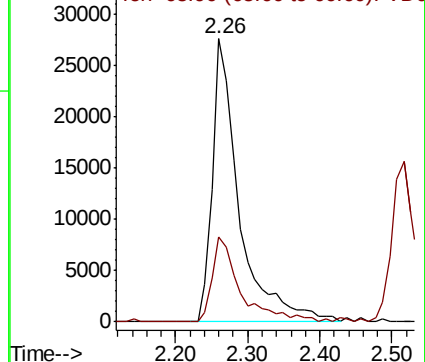
64 100

66 30.2 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



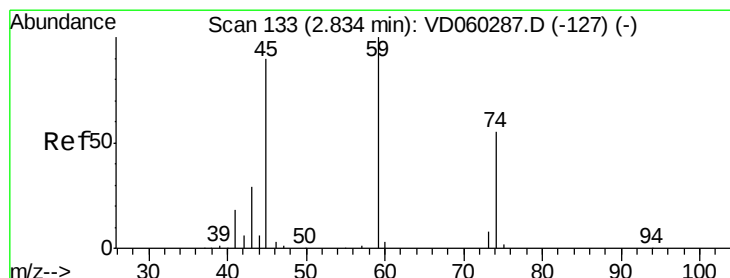
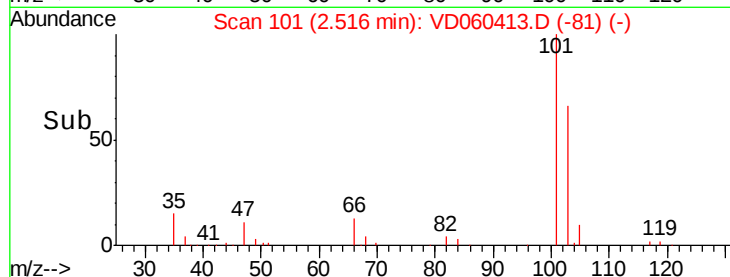
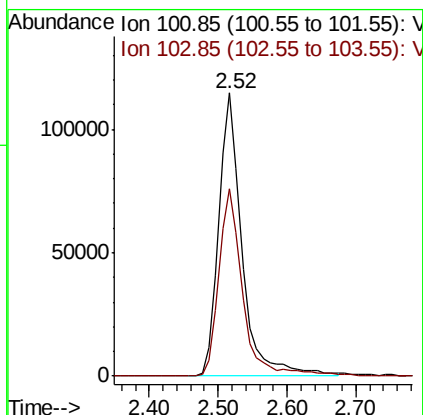
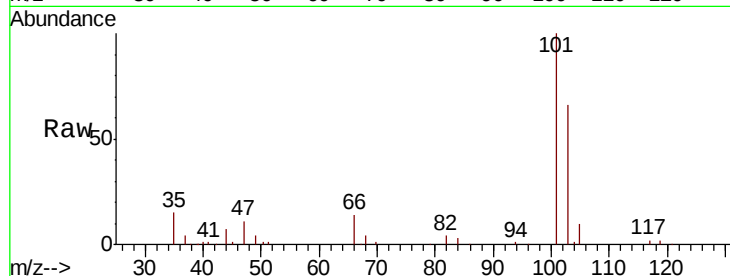


#7

Trichlorofluoromethane
 Concen: 19.866 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

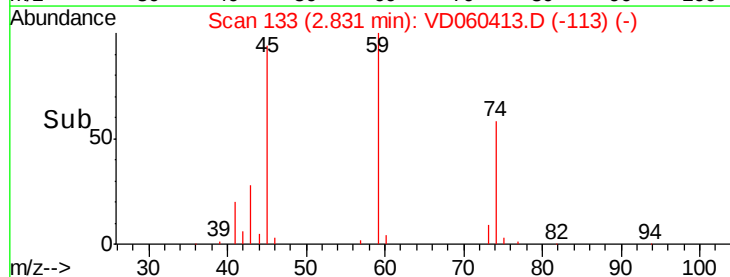
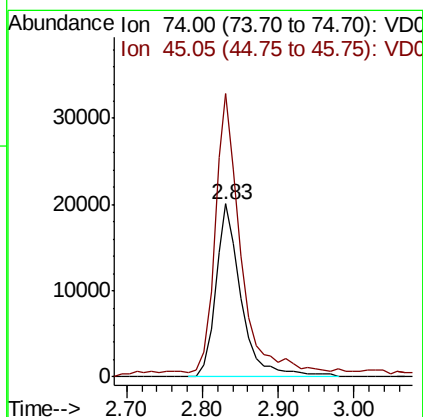
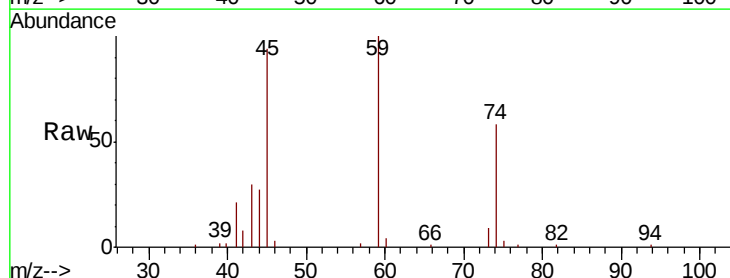
Tgt Ion: 101 Resp: 269352
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.6 80.4



#8

Diethyl Ether
 Concen: 19.092 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 74 Resp: 46867
 Ion Ratio Lower Upper
 74 100
 45 163.7 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.841 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

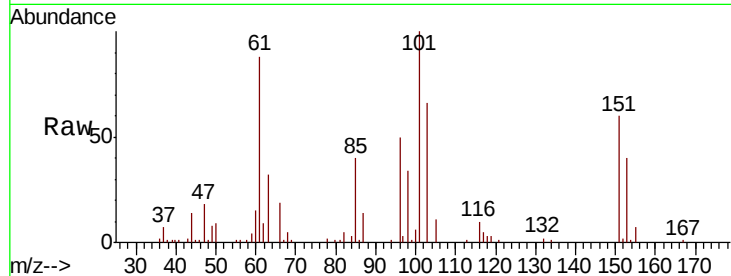
Tgt Ion:101 Resp: 176941

Ion Ratio Lower Upper

101 100

85 40.1 31.4 47.0

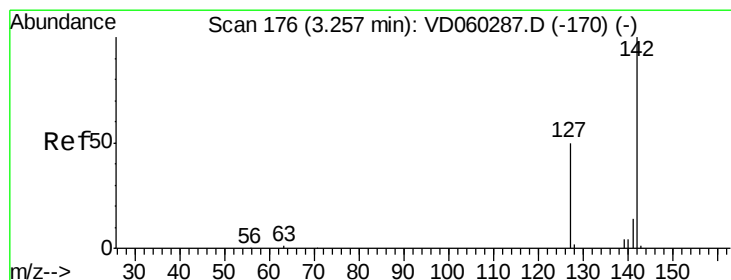
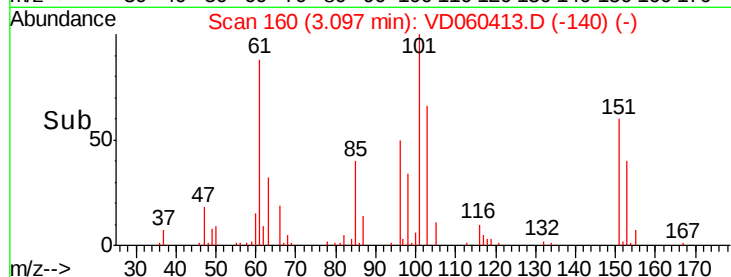
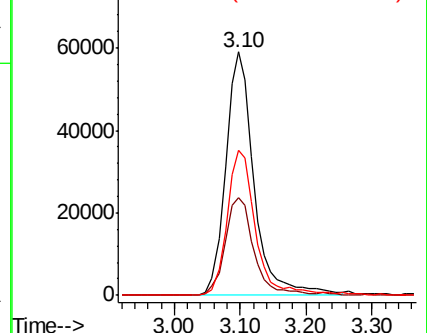
151 59.7 47.4 71.0



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: 16.709 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

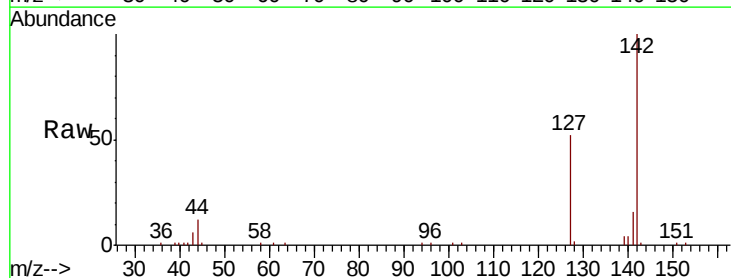
Tgt Ion:142 Resp: 193532

Ion Ratio Lower Upper

142 100

127 52.0 41.0 61.6

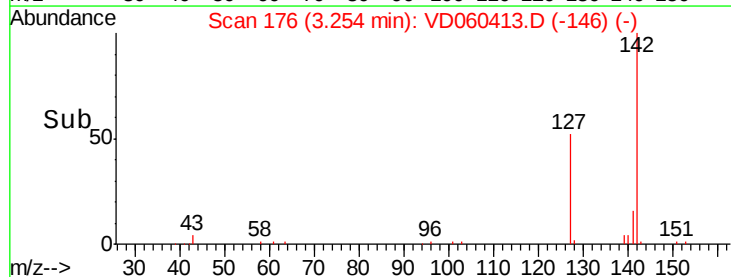
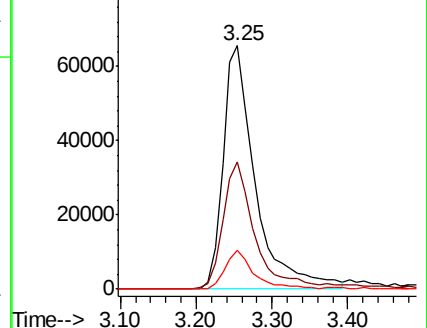
141 16.0 11.9 17.9

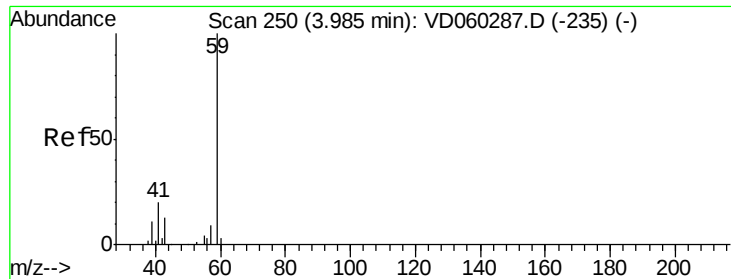


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

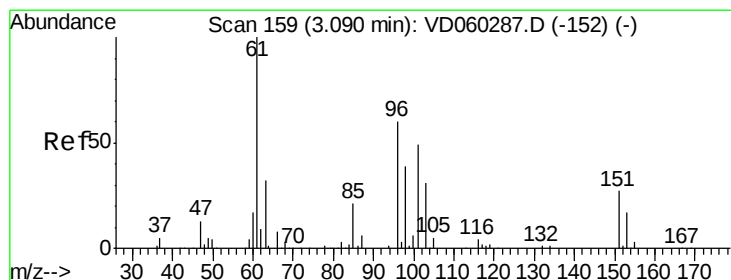
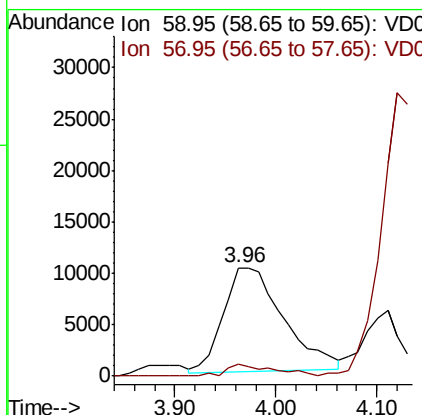
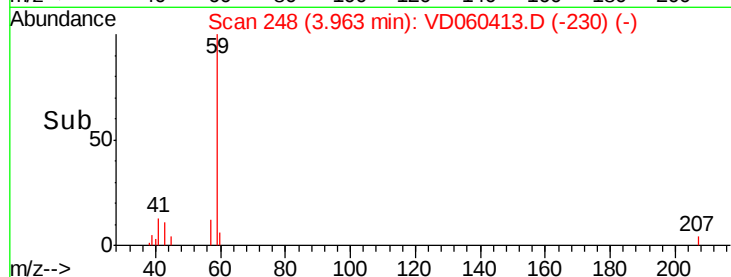
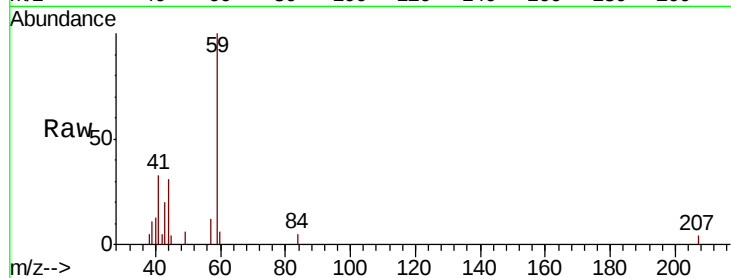




#11
Tert butyl alcohol
Concen: 95.607 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

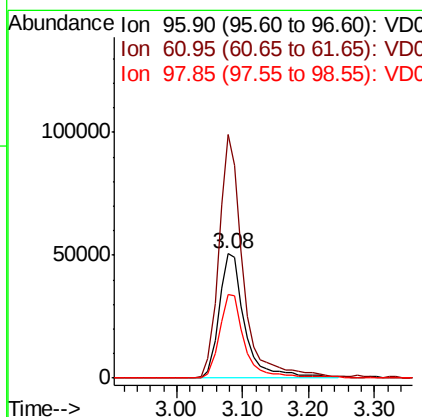
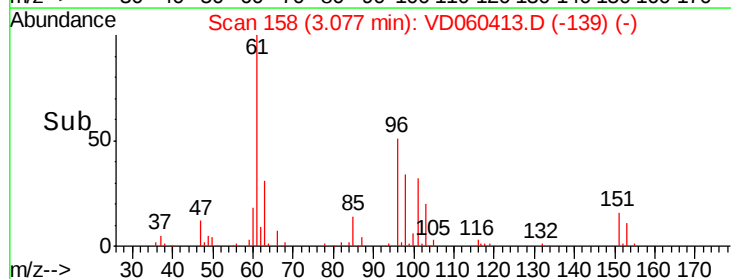
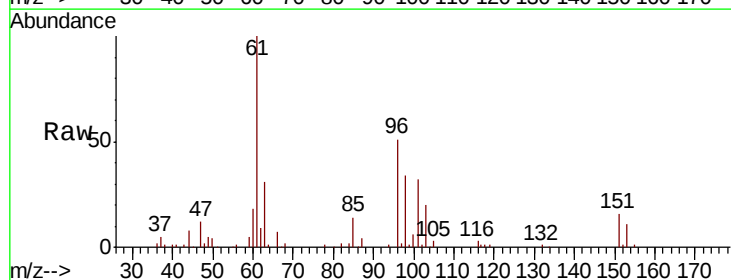
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

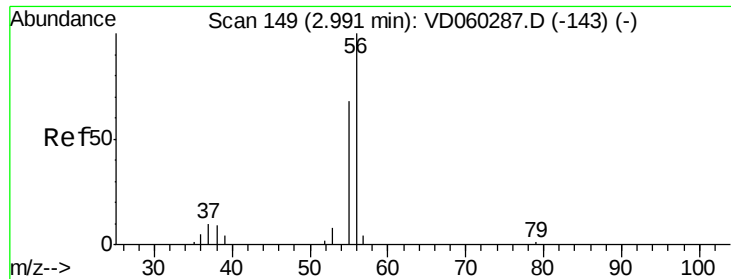
Tgt Ion: 59 Resp: 41790
Ion Ratio Lower Upper
59 100
57 11.7 9.3 13.9



#12
1,1-Dichloroethene
Concen: 19.072 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion: 96 Resp: 138343
Ion Ratio Lower Upper
96 100
61 195.7 142.2 213.4
98 66.9 52.6 79.0





#13

Acrolein

Concen: 74.893 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

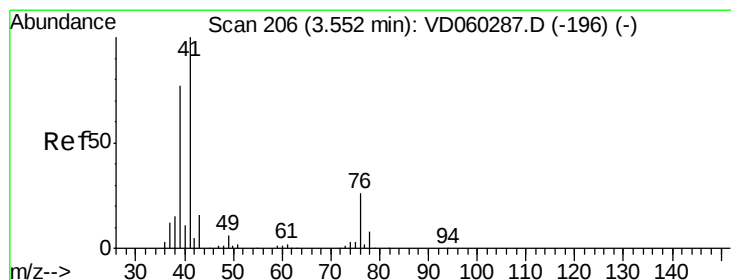
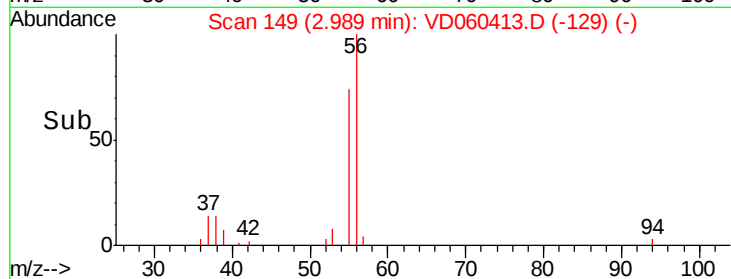
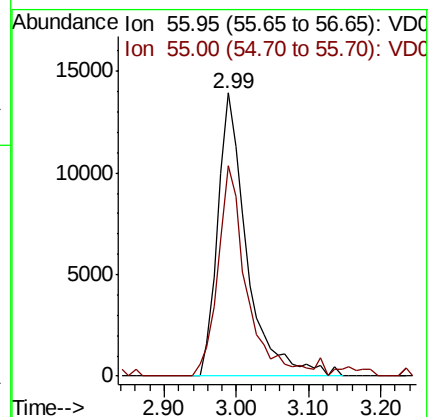
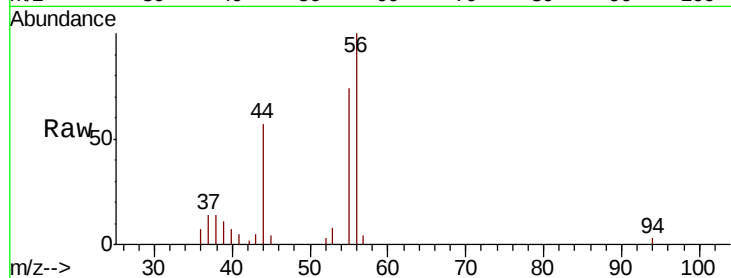
VD1119SBS01

Tgt Ion: 56 Resp: 38681

Ion Ratio Lower Upper

56 100

55 74.2 57.0 85.6



#14

Allyl chloride

Concen: 19.915 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

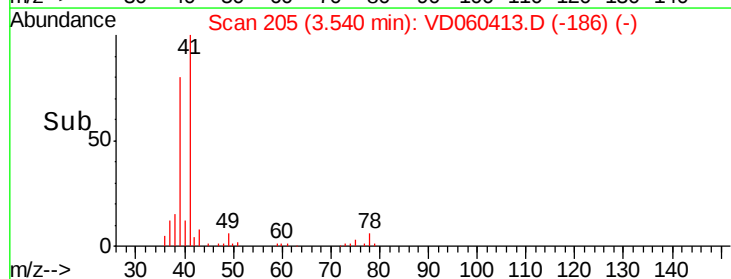
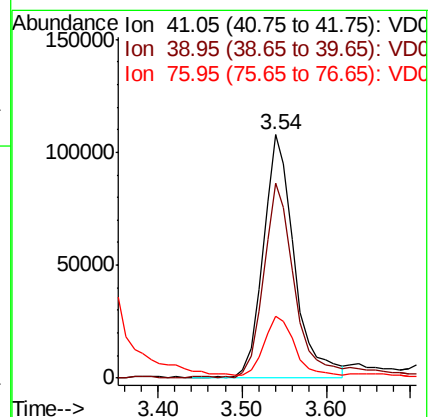
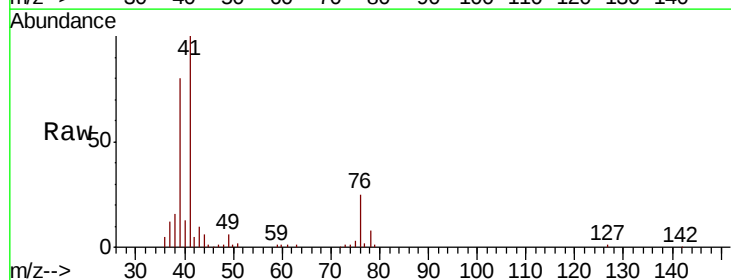
Tgt Ion: 41 Resp: 276413

Ion Ratio Lower Upper

41 100

39 80.0 60.4 90.6

76 25.4 21.8 32.8





#15

Acrylonitrile

Concen: 94.855 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

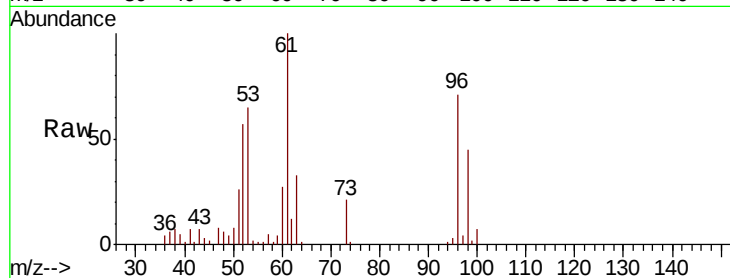
Tgt Ion: 53 Resp: 241781

Ion Ratio Lower Upper

53 100

52 88.2 67.0 100.4

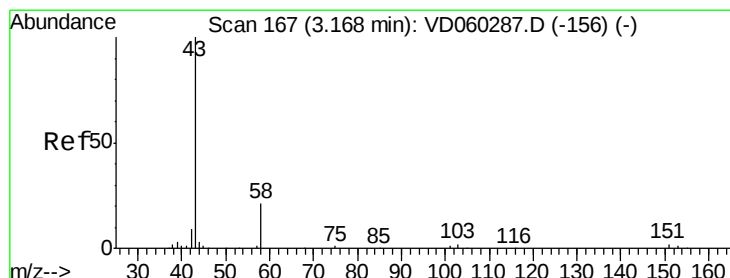
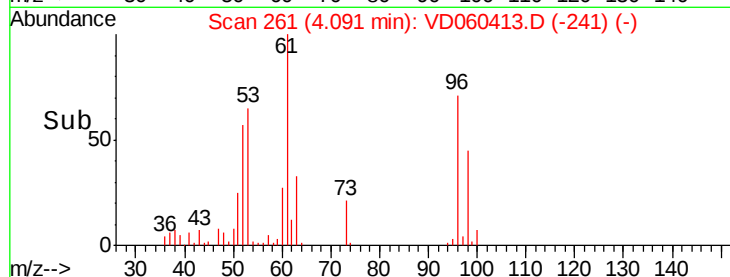
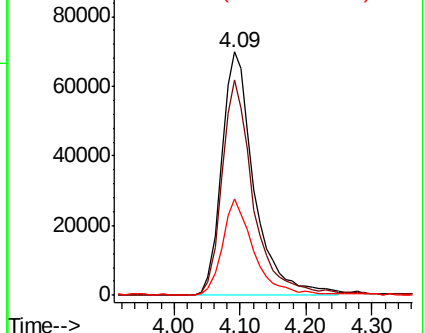
51 39.6 29.9 44.9



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: 97.467 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060413.D

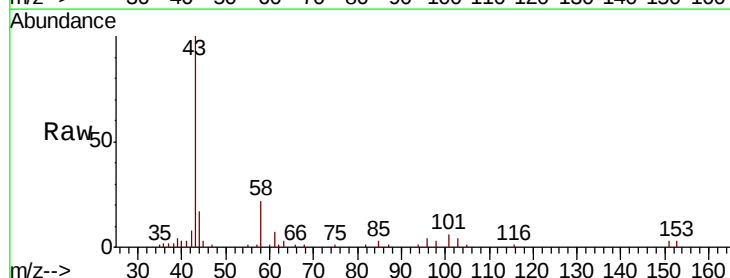
Acq: 19 Nov 2018 13:33

Tgt Ion: 43 Resp: 179963

Ion Ratio Lower Upper

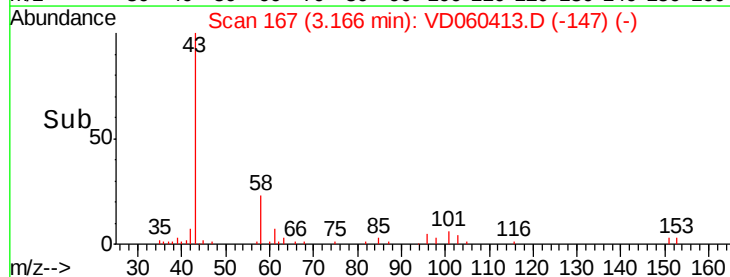
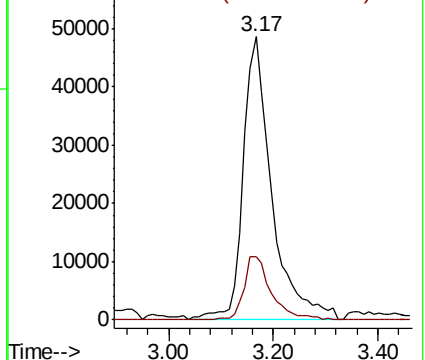
43 100

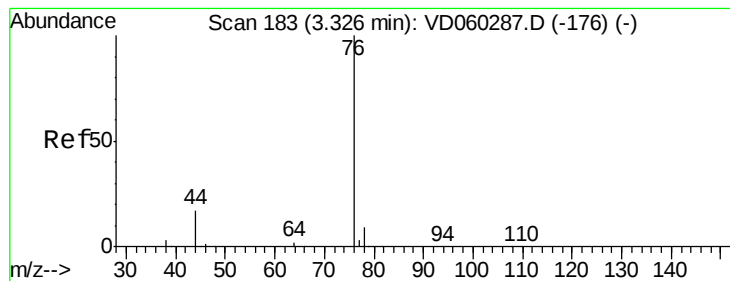
58 22.2 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.973 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

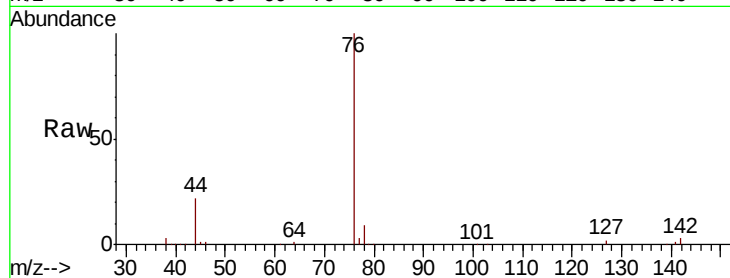
VD1119SBS01

Tgt Ion: 76 Resp: 444231

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.32

200000

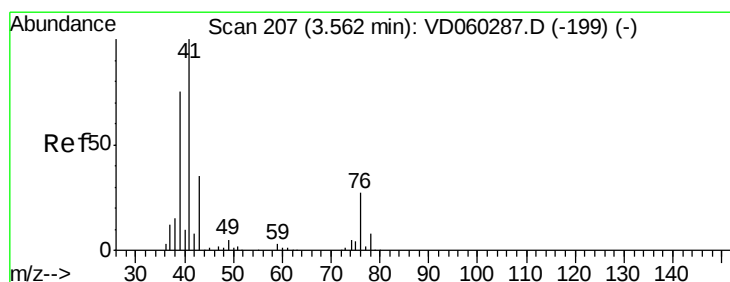
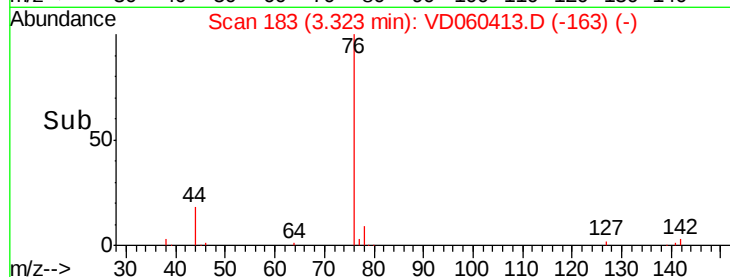
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.278 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.00 min

Lab File: VD060413.D

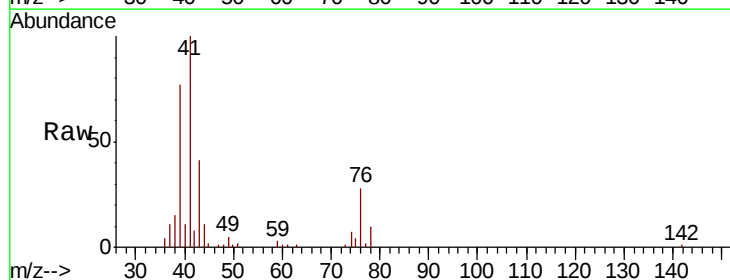
Acq: 19 Nov 2018 13:33

Tgt Ion: 43 Resp: 71959

Ion Ratio Lower Upper

43 100

74 17.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.56

30000

25000

20000

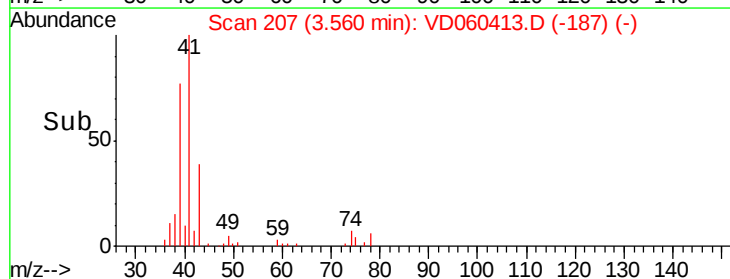
15000

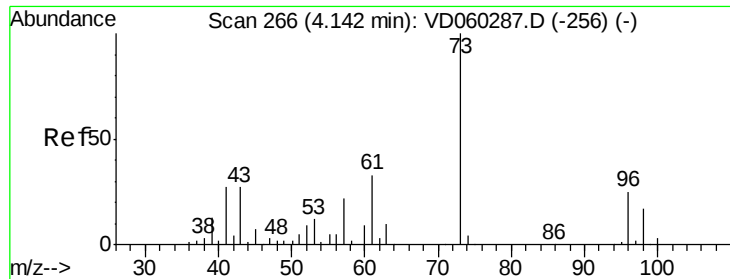
10000

5000

0

Time-->



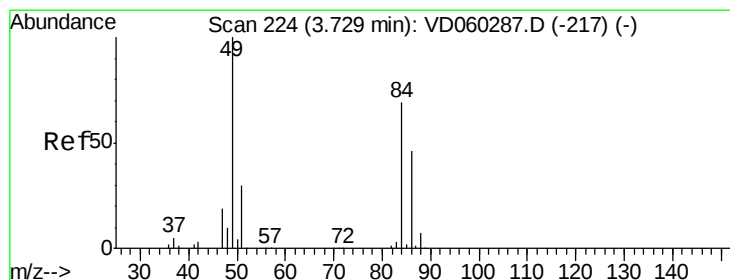
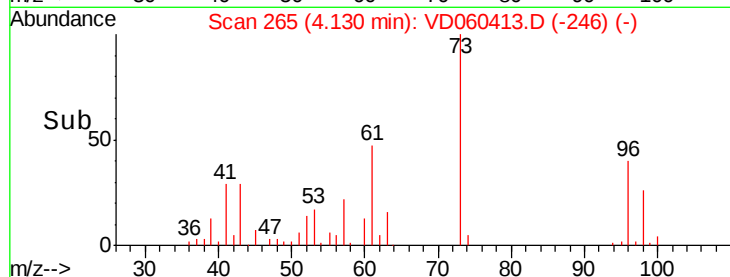
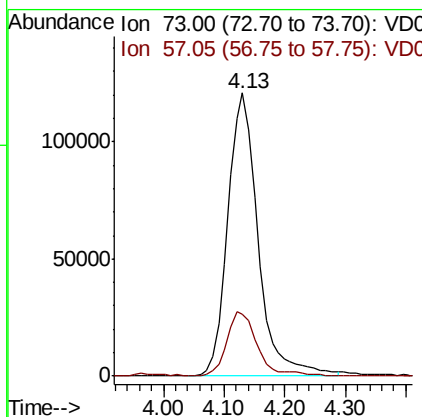
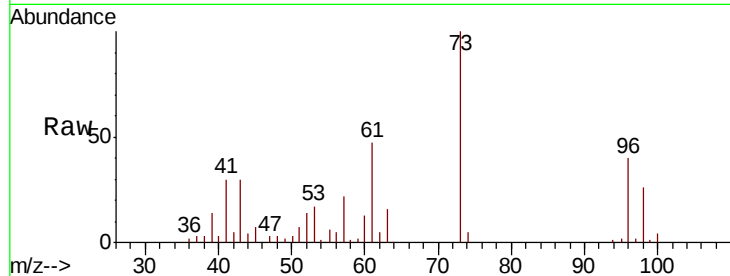


#19

Methyl tert-butyl Ether
 Concen: 19.381 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

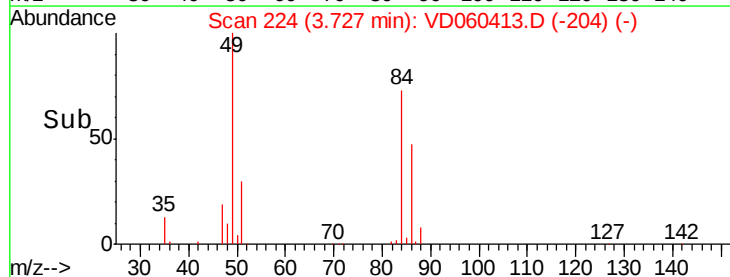
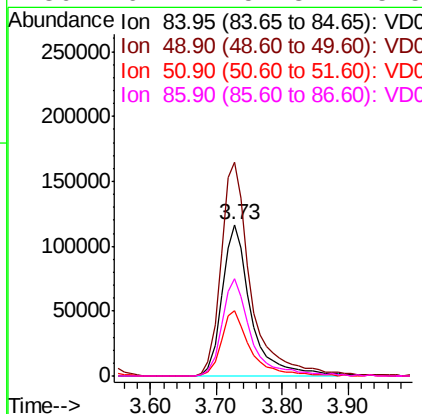
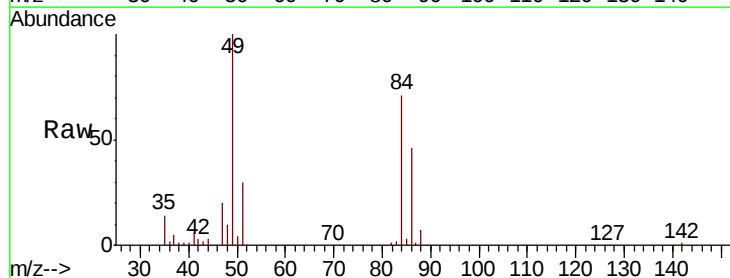
Tgt Ion: 73 Resp: 420971
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.1 27.1

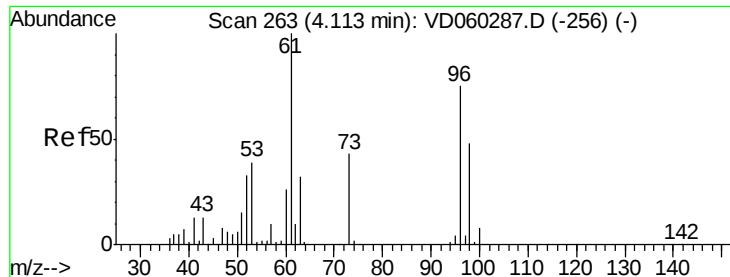


#20

Methylene Chloride
 Concen: 21.687 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 84 Resp: 355214
 Ion Ratio Lower Upper
 84 100
 49 141.2 115.6 173.4
 51 43.0 35.6 53.4
 86 64.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.631 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

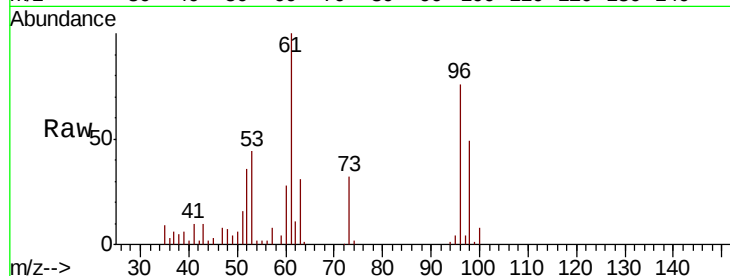
Tgt Ion: 96 Resp: 332290

Ion Ratio Lower Upper

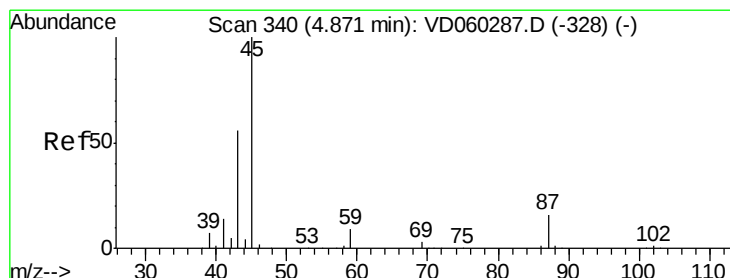
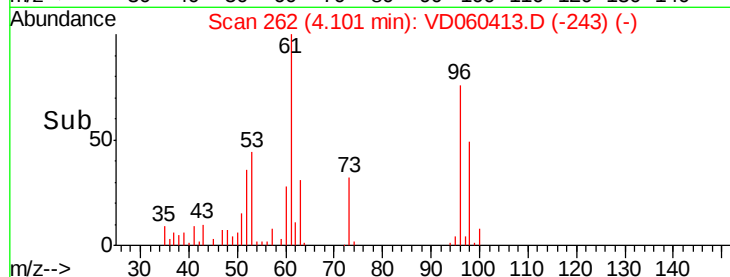
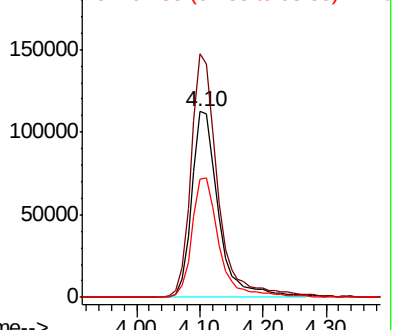
96 100

61 131.1 105.8 158.6

98 63.7 50.8 76.2



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



#22

Diisopropyl ether

Concen: 19.646 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Tgt Ion: 45 Resp: 1018719

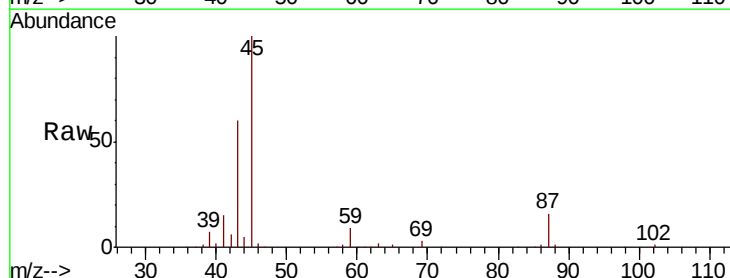
Ion Ratio Lower Upper

45 100

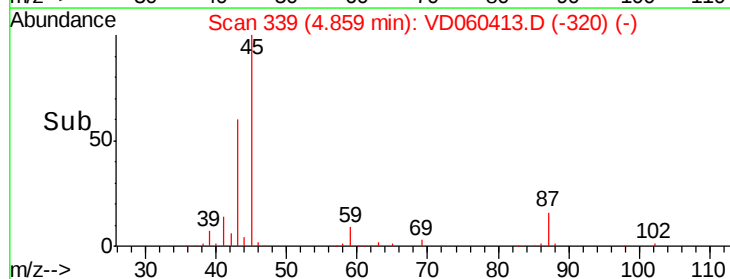
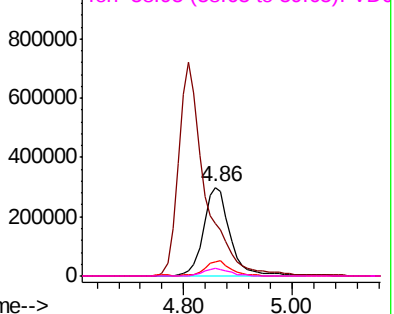
43 59.8 44.9 67.3

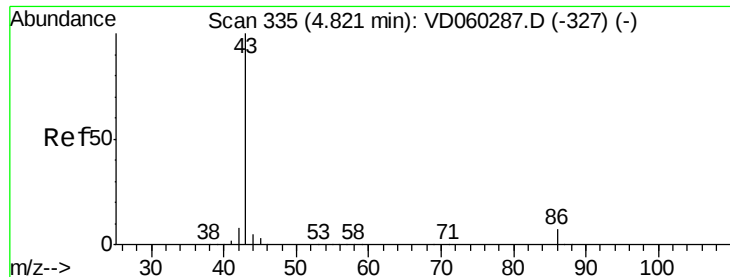
87 16.0 13.9 20.9

59 9.0 7.0 10.6



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





#23

Vinyl Acetate

Concen: 94.910 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

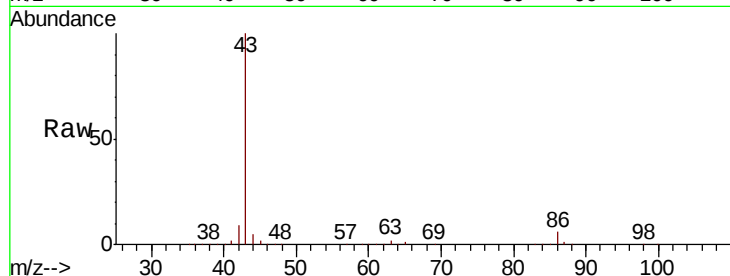
VD1119SBS01

Tgt Ion: 43 Resp: 2448819

Ion Ratio Lower Upper

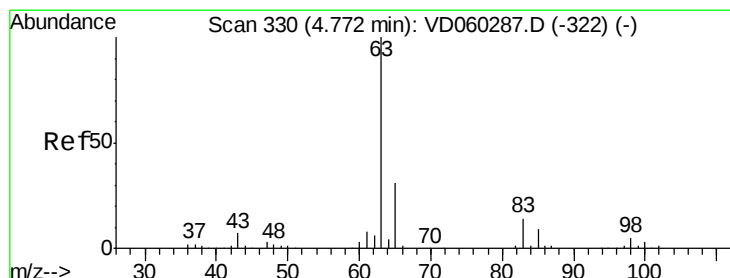
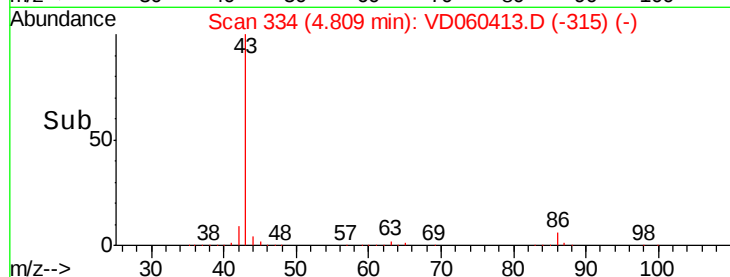
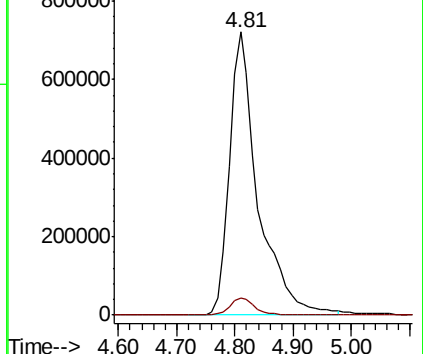
43 100

86 6.1 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.223 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

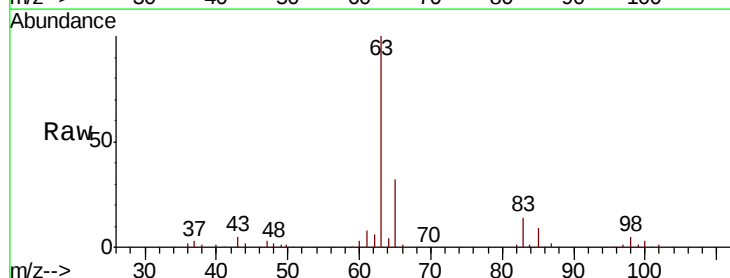
Tgt Ion: 63 Resp: 537746

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

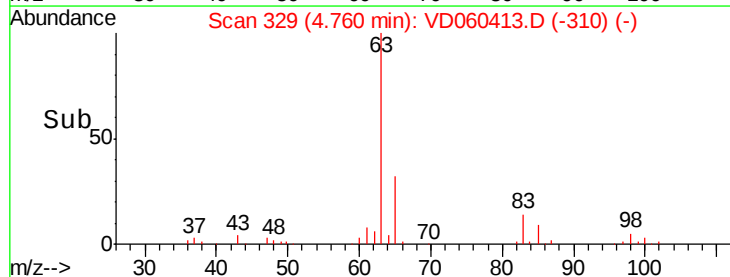
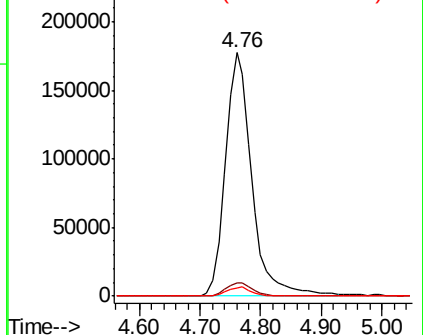
100 3.2 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.070 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

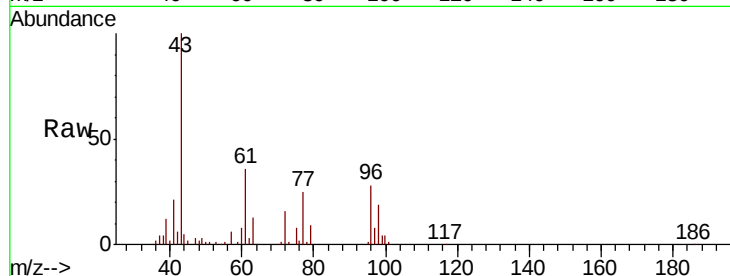
VD1119SBS01

Tgt Ion: 43 Resp: 368703

Ion Ratio Lower Upper

43 100

72 16.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.63

150000

100000

50000

0

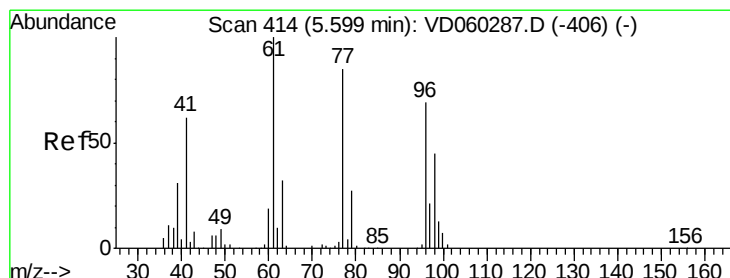
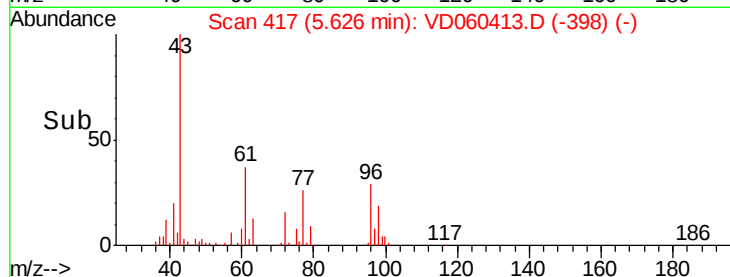
Time-->

5.50

5.60

5.70

5.80



#26

2,2-Dichloropropane

Concen: 21.186 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060413.D

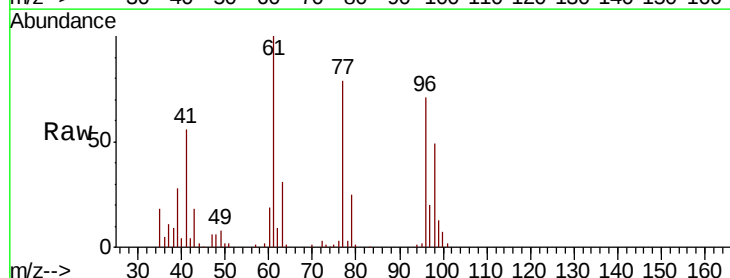
Acq: 19 Nov 2018 13:33

Tgt Ion: 77 Resp: 437985

Ion Ratio Lower Upper

77 100

97 24.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.60

150000

100000

50000

0

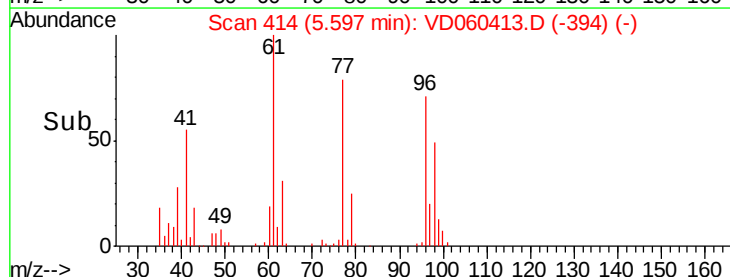
Time-->

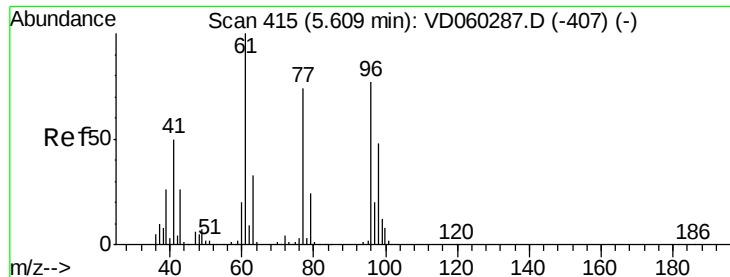
5.50

5.60

5.70

5.80

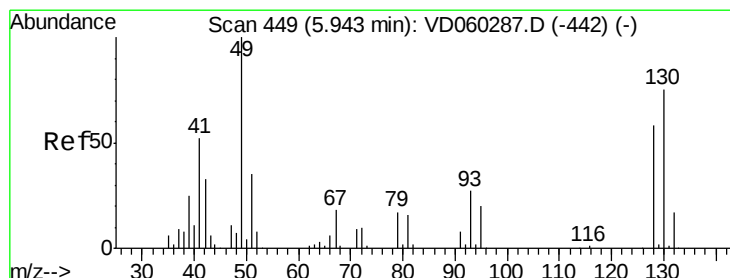
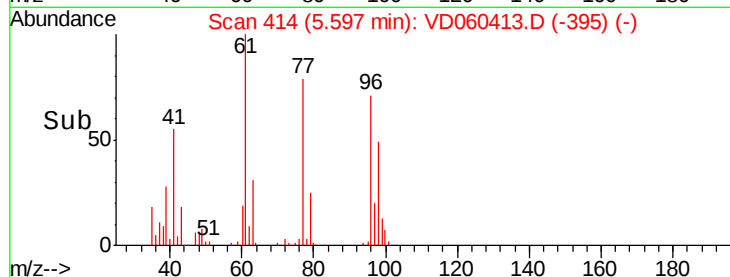
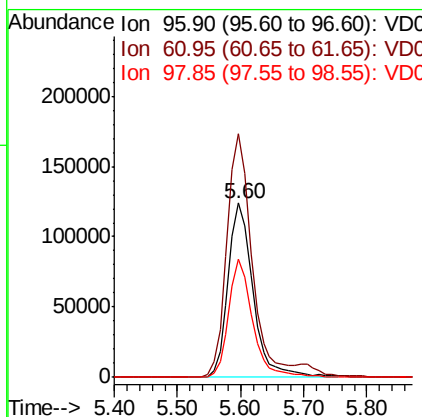
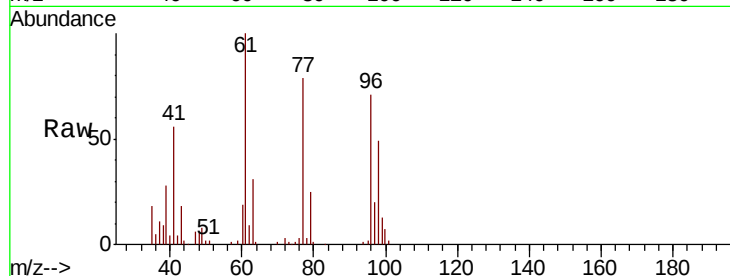




#27
 cis-1,2-Dichloroethene
 Concen: 20.315 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

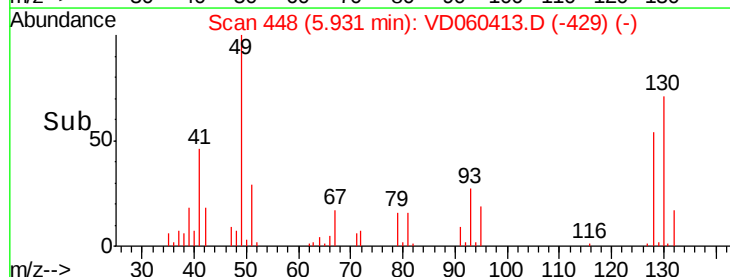
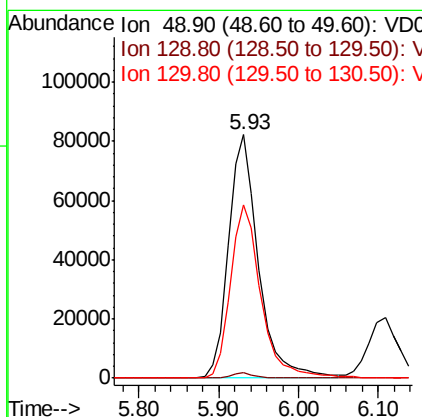
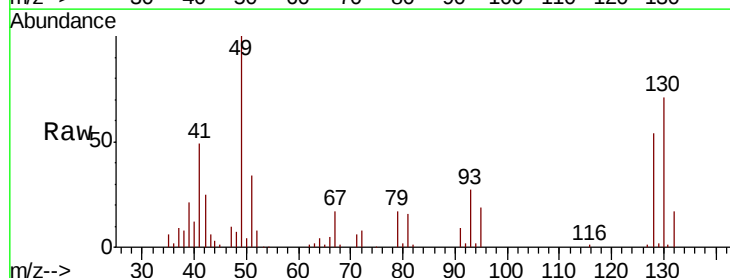
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tgt Ion: 96 Resp: 340868
 Ion Ratio Lower Upper
 96 100
 61 139.9 0.0 259.0
 98 67.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 18.386 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 49 Resp: 215711
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.8
 130 71.3 53.6 80.4





#29

Tetrahydrofuran

Concen: 91.506 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

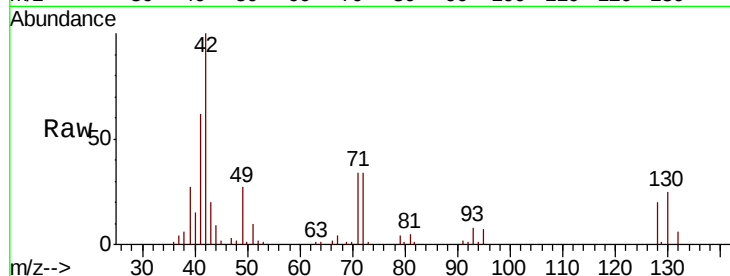
Tgt Ion: 42 Resp: 185156

Ion Ratio Lower Upper

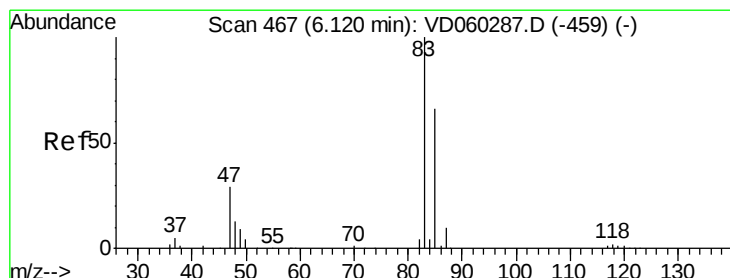
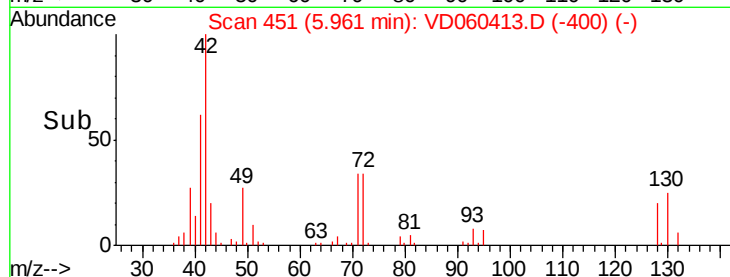
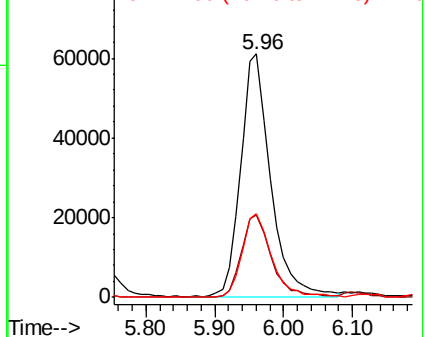
42 100

72 33.5 27.6 41.4

71 33.7 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: 20.629 ug/l

RT: 6.11 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD060413.D

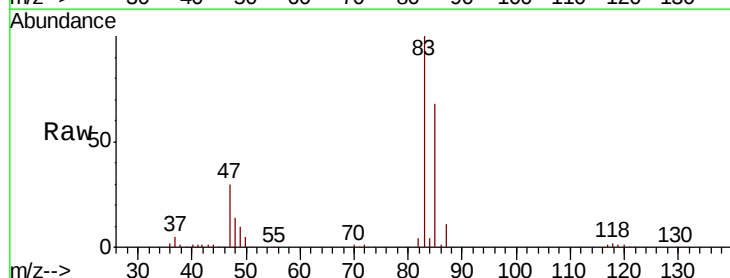
Acq: 19 Nov 2018 13:33

Tgt Ion: 83 Resp: 548373

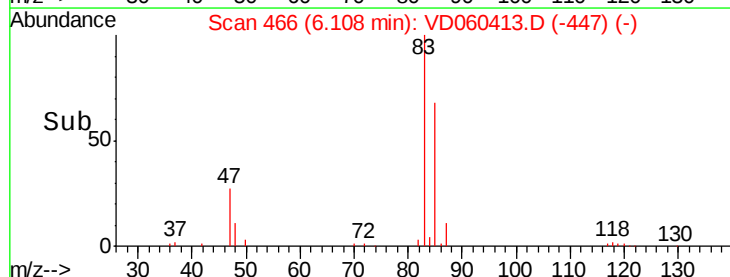
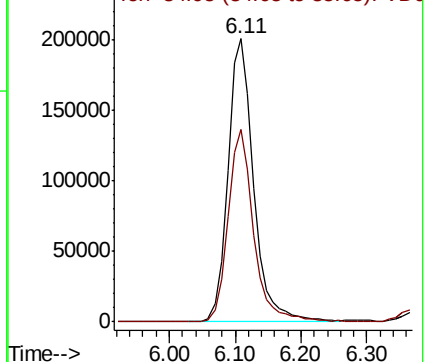
Ion Ratio Lower Upper

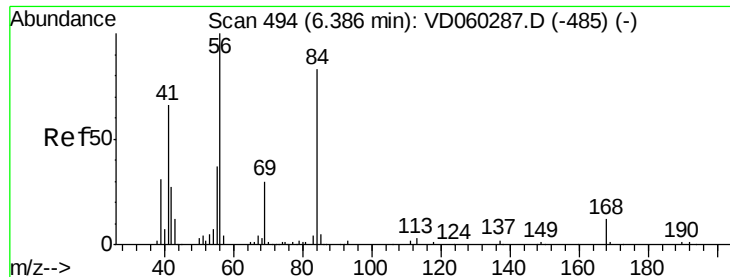
83 100

85 67.8 52.5 78.7



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

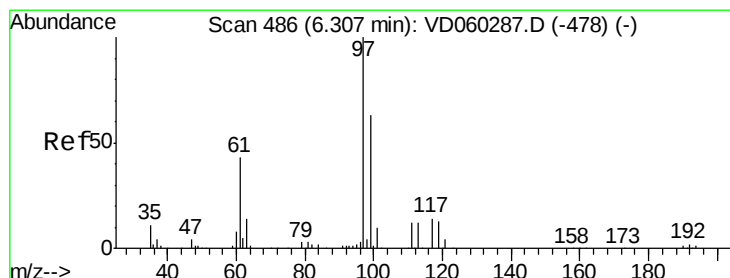
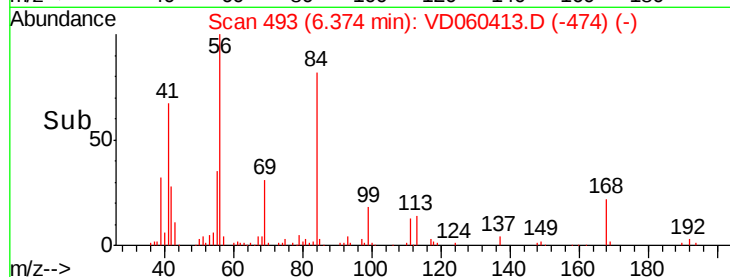
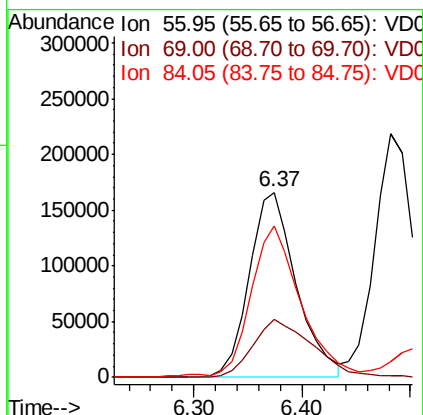
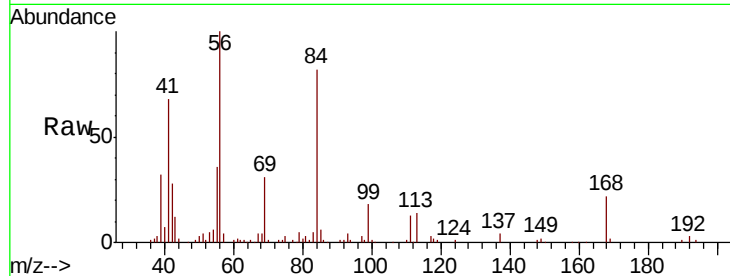




#31
Cyclohexane
Concen: 19.650 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

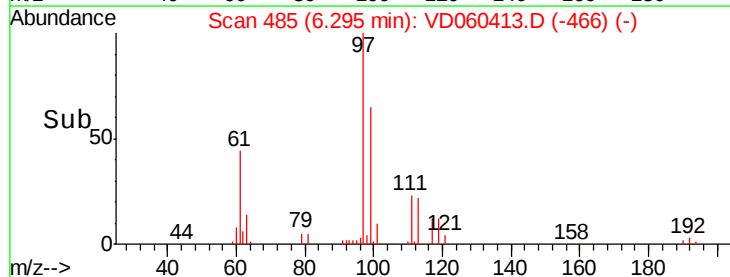
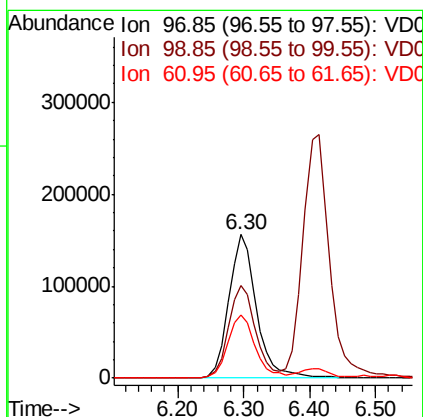
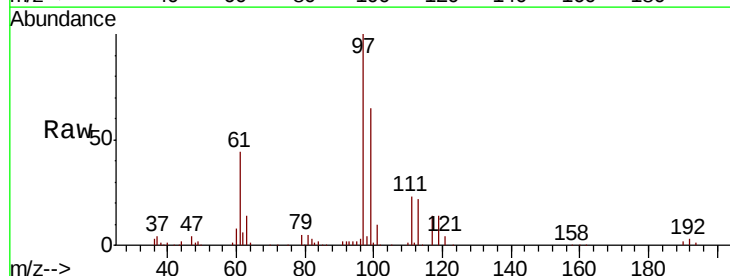
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

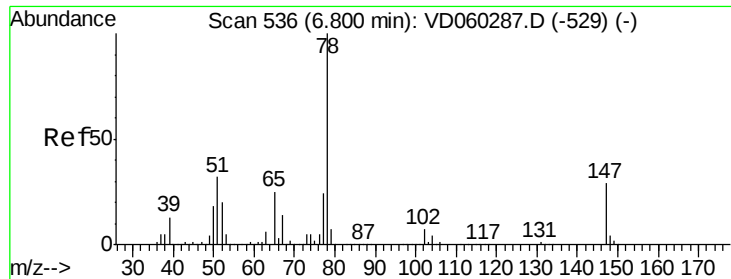
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	22.2	33.2
84	82.2	63.0	94.4



#32
1,1,1-Trichloroethane
Concen: 20.482 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	43.7	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 20.482 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

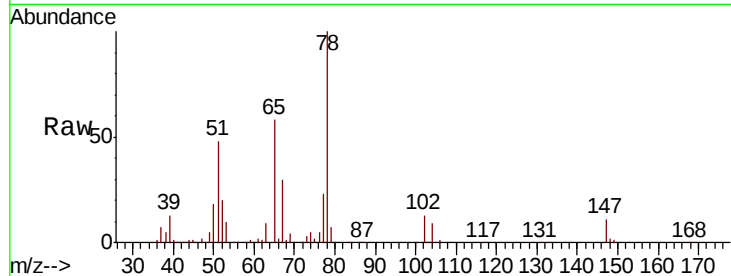
VD1119SBS01

Tgt Ion: 65 Resp: 471826

Ion Ratio Lower Upper

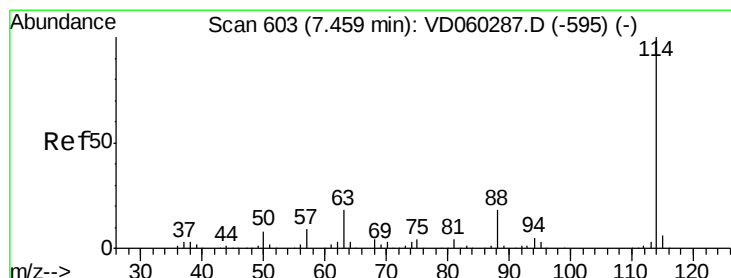
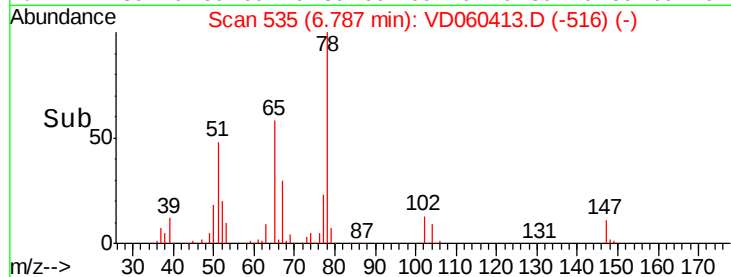
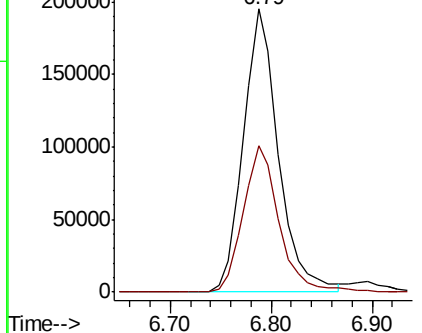
65 100

67 51.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

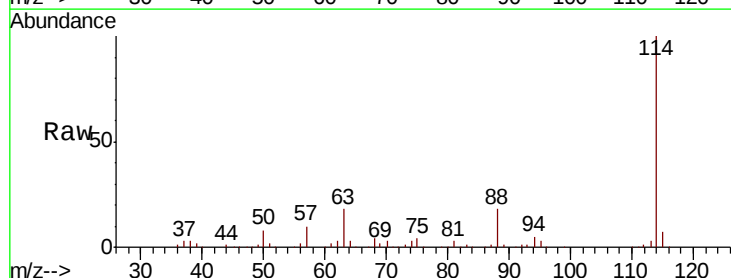
Tgt Ion: 114 Resp: 2036111

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.0

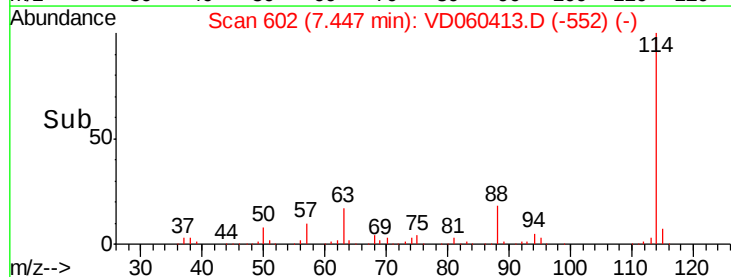
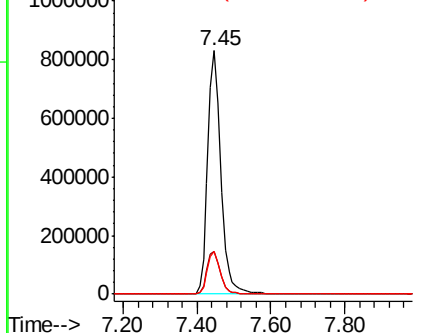
88 17.8 0.0 35.4

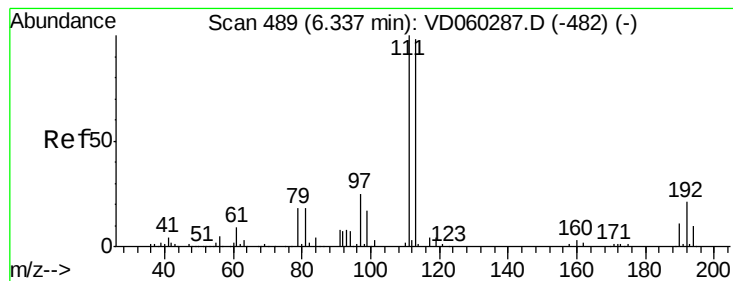


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

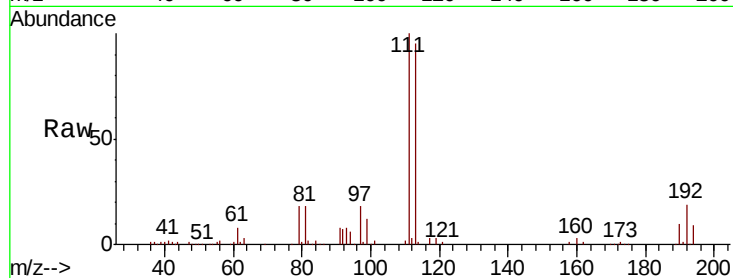
Tgt Ion:113 Resp: 721179

Ion Ratio Lower Upper

113 100

111 105.7 81.6 122.4

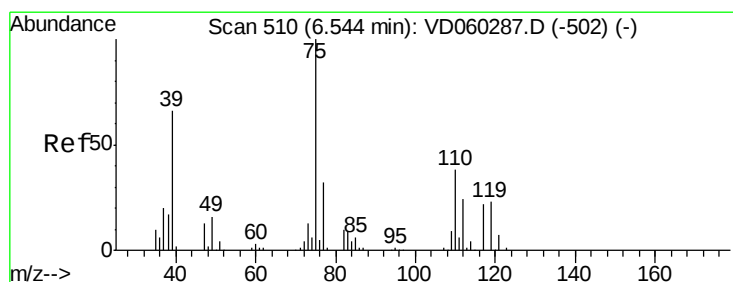
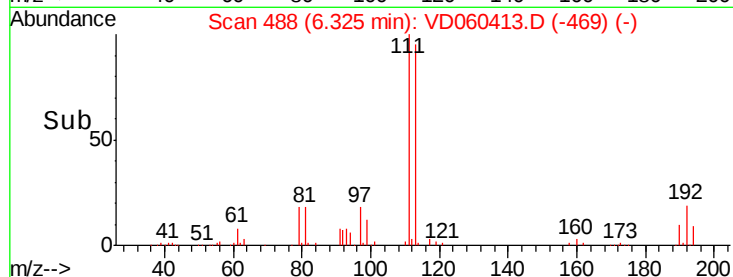
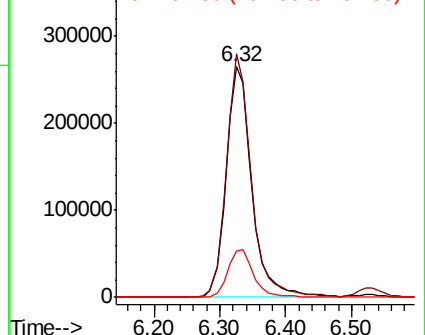
192 20.1 16.5 24.7



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: 20.194 ug/l

RT: 6.52 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

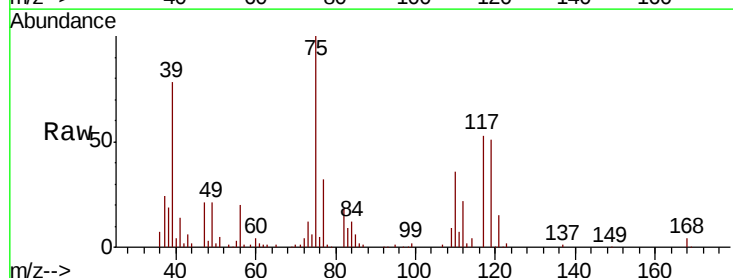
Tgt Ion: 75 Resp: 406223

Ion Ratio Lower Upper

75 100

110 35.9 18.0 54.0

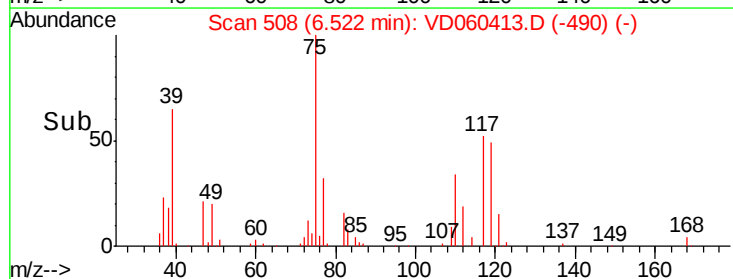
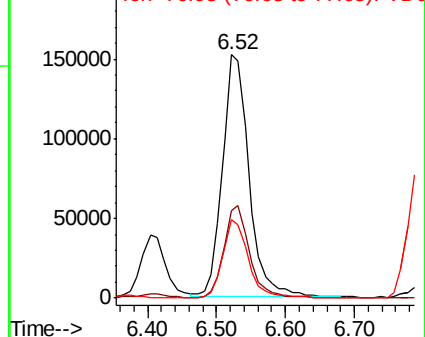
77 32.0 25.6 38.4

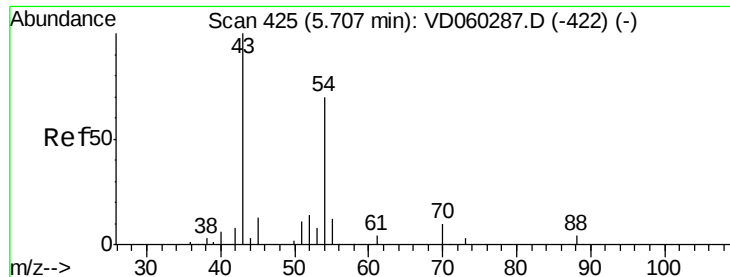


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

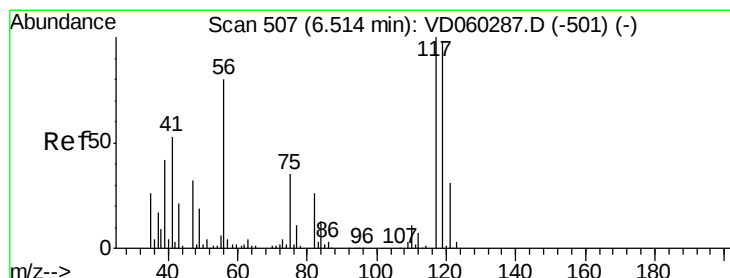
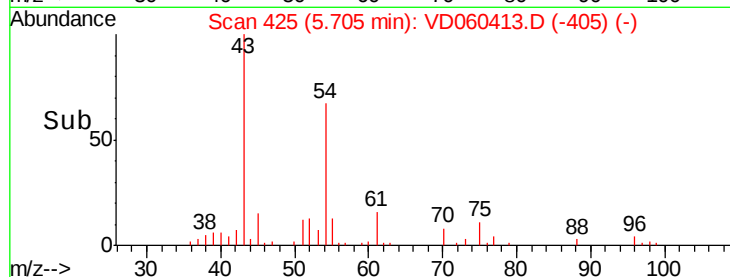
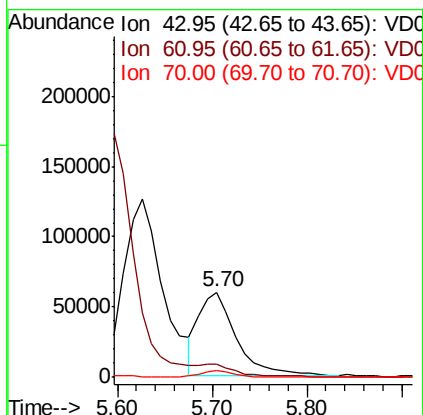
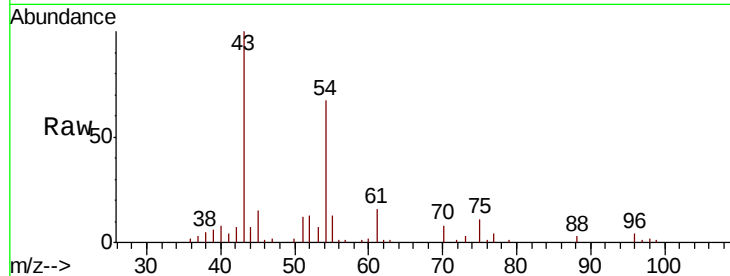




#37
 Ethyl Acetate
 Concen: 17.741 ug/l
 RT: 5.70 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

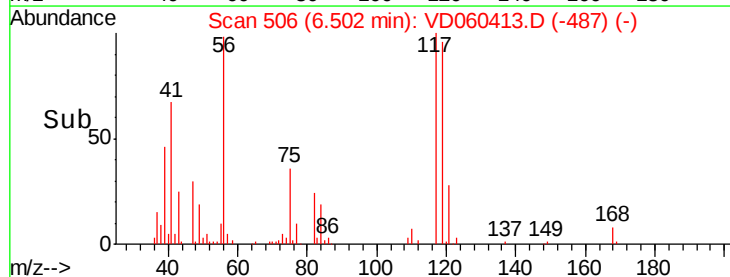
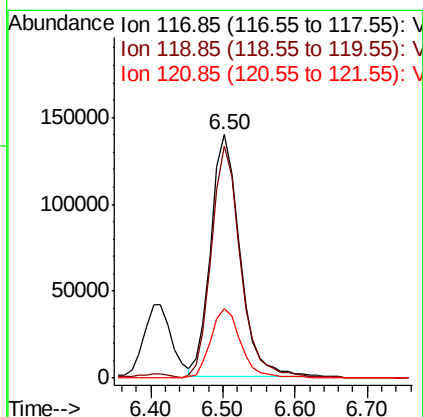
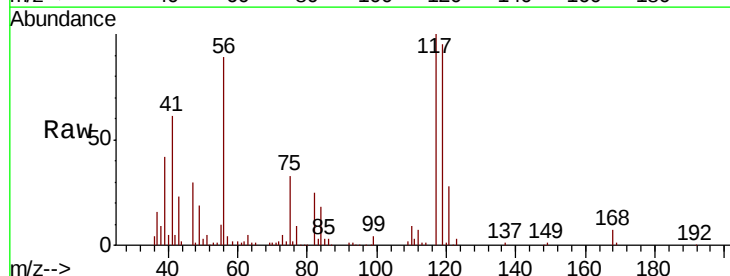
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

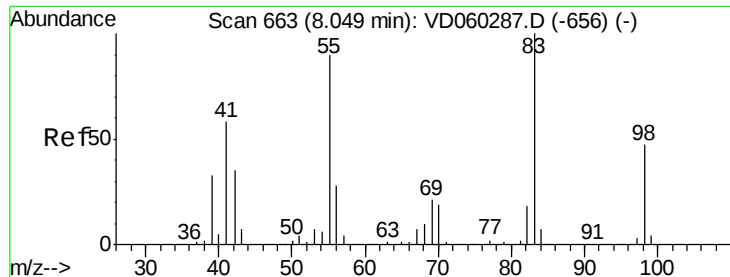
Tgt Ion: 43 Resp: 164224
 Ion Ratio Lower Upper
 43 100
 61 15.9 11.8 17.6
 70 7.5 6.2 9.4



#38
 Carbon Tetrachloride
 Concen: 20.977 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 117 Resp: 391429
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.6 115.0
 121 28.4 24.3 36.5

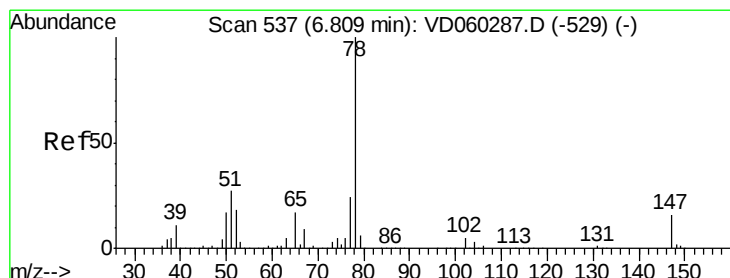
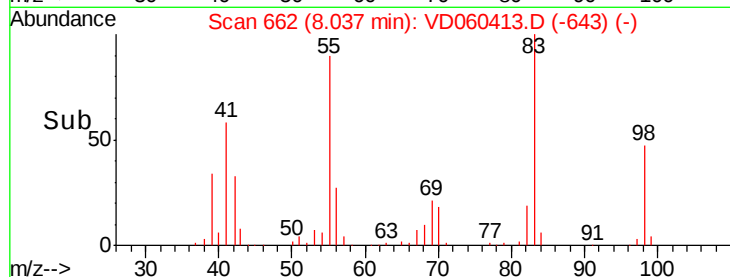
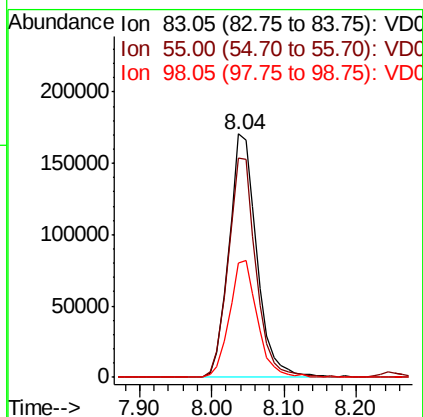
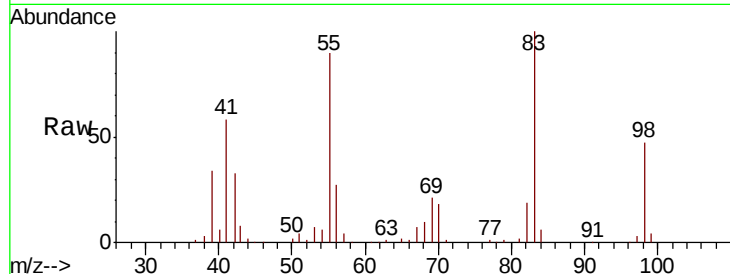




#39
Methylcyclohexane
Concen: 19.847 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

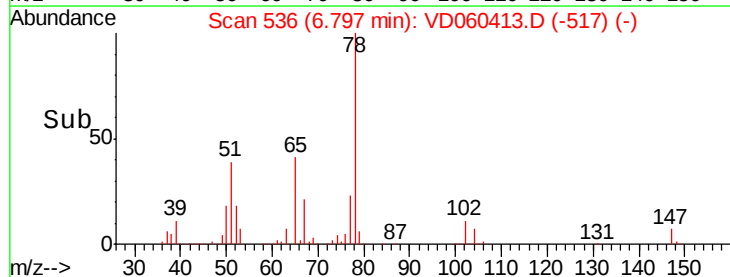
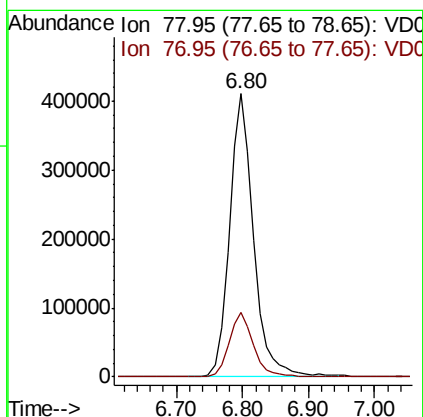
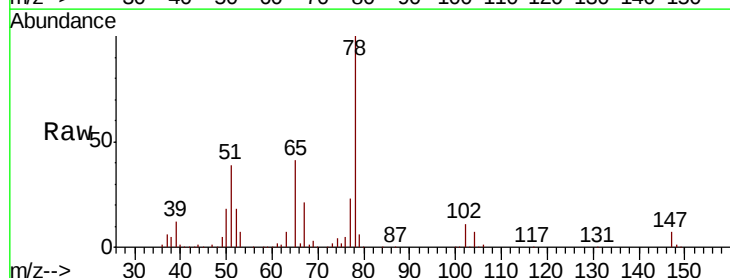
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion: 83 Resp: 459193
Ion Ratio Lower Upper
83 100
55 90.1 71.2 106.8
98 47.2 38.4 57.6



#40
Benzene
Concen: 20.341 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion: 78 Resp: 1044447
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2





#41

Methacrylonitrile

Concen: 18.262 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tgt Ion: 41 Resp: 193483

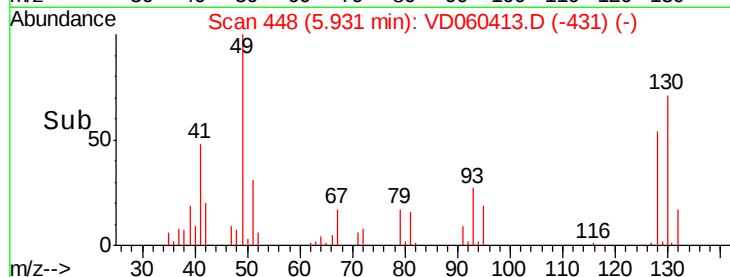
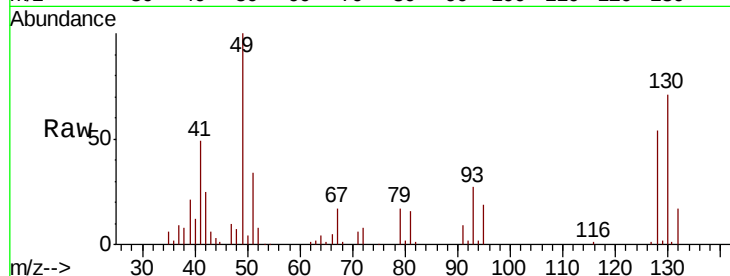
Ion Ratio Lower Upper

41 100

39 42.4 36.2 54.2

67 34.2 11.9 17.9#

52 15.7 5.2 7.8#

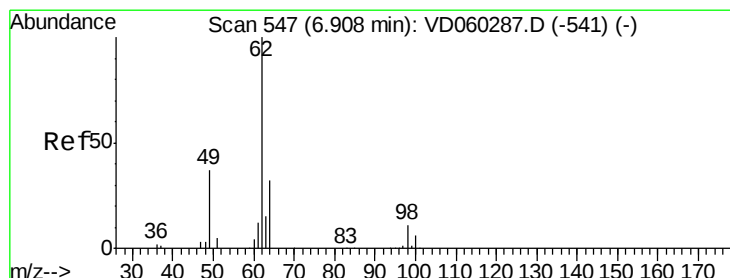
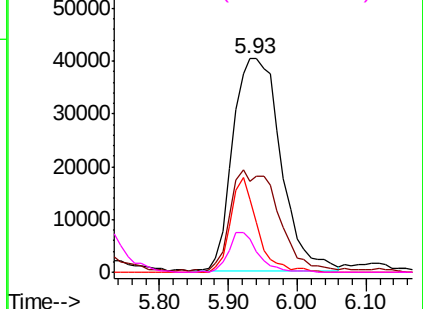


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.390 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060413.D

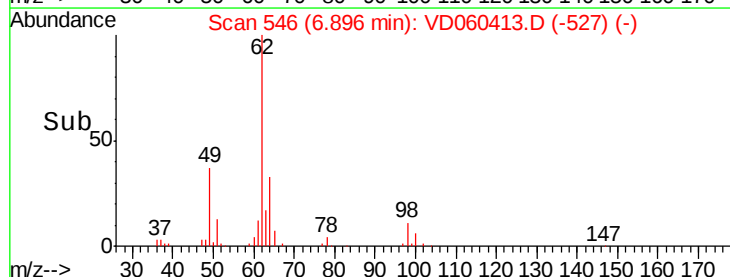
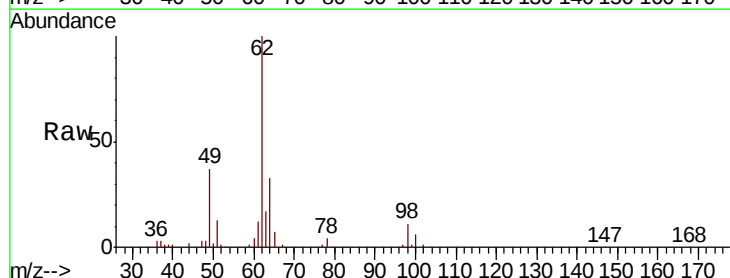
Acq: 19 Nov 2018 13:33

Tgt Ion: 62 Resp: 260598

Ion Ratio Lower Upper

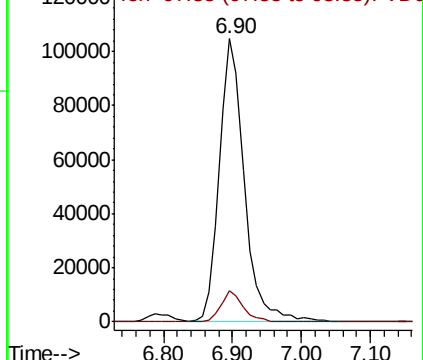
62 100

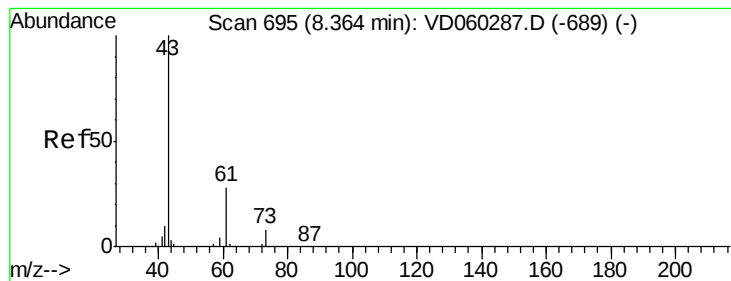
98 11.0 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.022 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

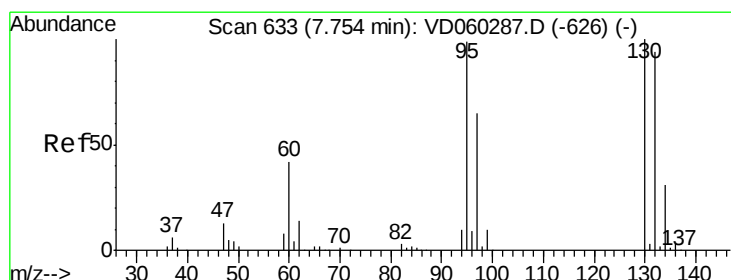
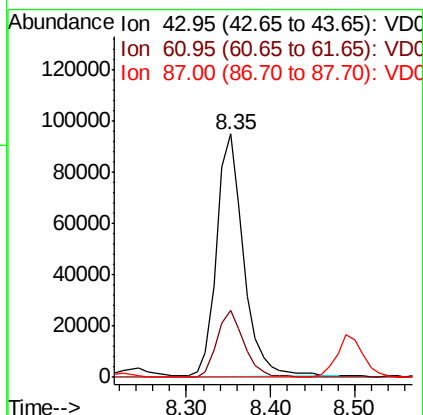
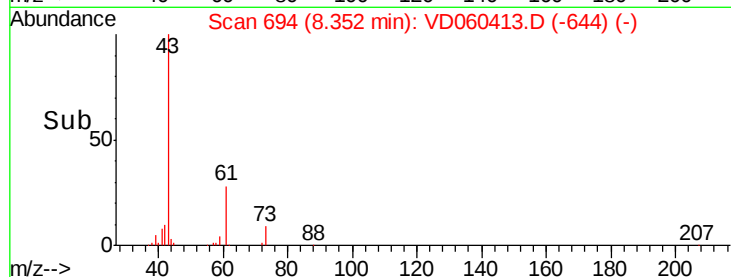
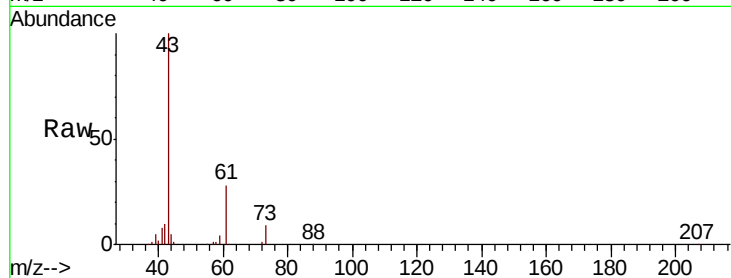
Tgt Ion: 43 Resp: 209552

Ion Ratio Lower Upper

43 100

61 27.7 22.3 33.5

87 0.0 0.2 0.2#



#44

Trichloroethene

Concen: 20.559 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060413.D

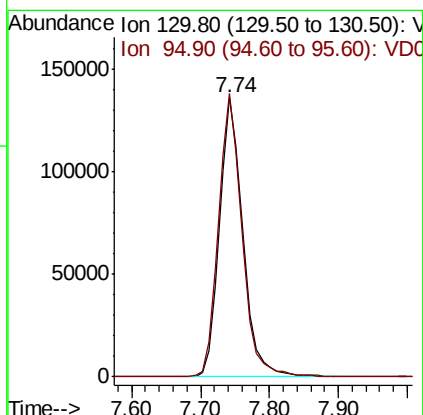
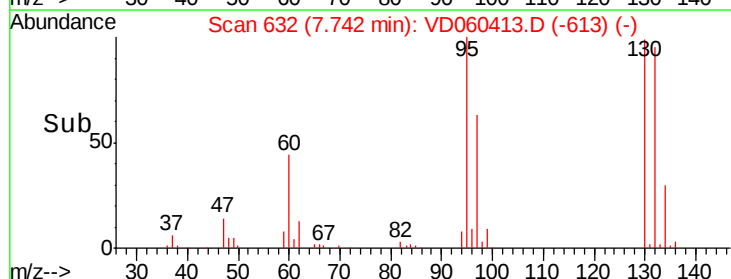
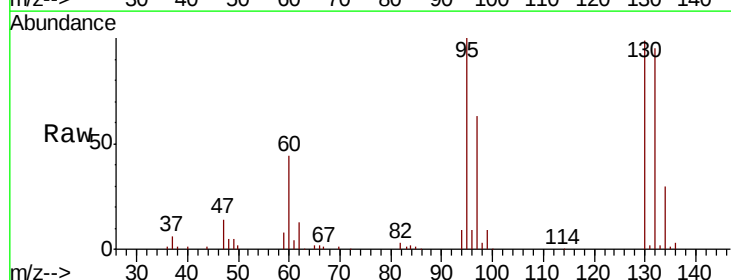
Acq: 19 Nov 2018 13:33

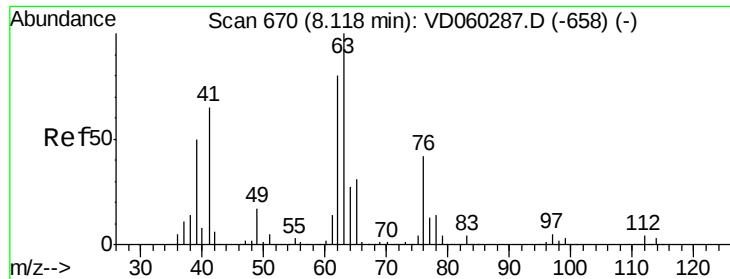
Tgt Ion: 130 Resp: 320006

Ion Ratio Lower Upper

130 100

95 101.4 0.0 200.0





#45

1,2-Dichloropropane

Concen: 20.377 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

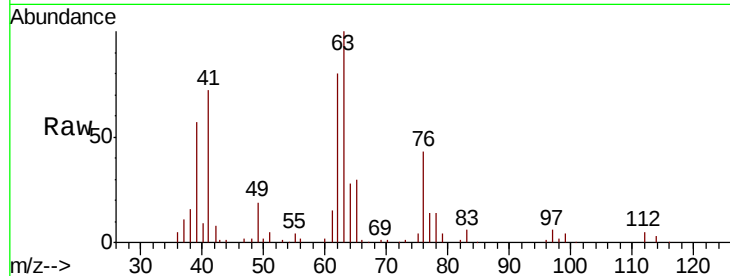
VD1119SBS01

Tgt Ion: 63 Resp: 263881

Ion Ratio Lower Upper

63 100

65 29.5 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

120000

100000

80000

60000

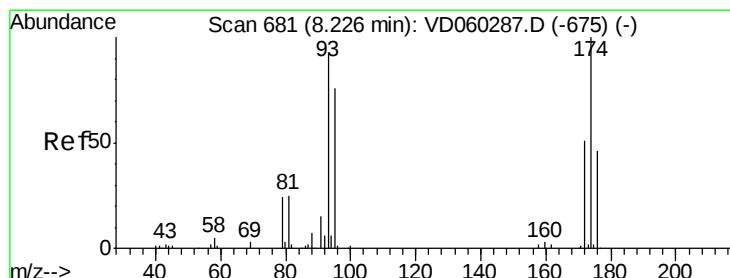
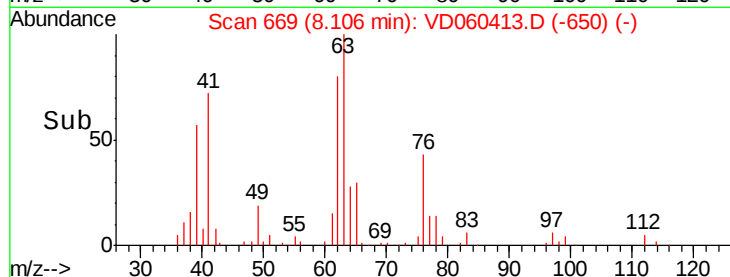
40000

20000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 19.299 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

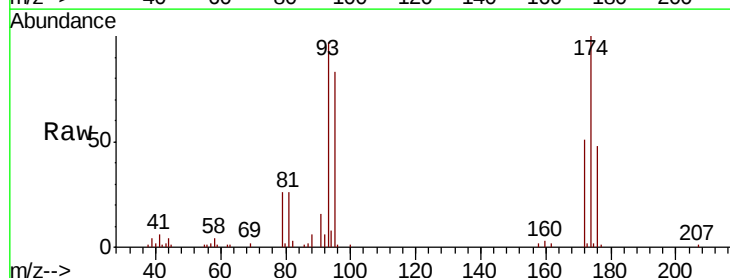
Tgt Ion: 93 Resp: 146374

Ion Ratio Lower Upper

93 100

95 85.8 66.4 99.6

174 103.4 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): VDC

100000

80000

60000

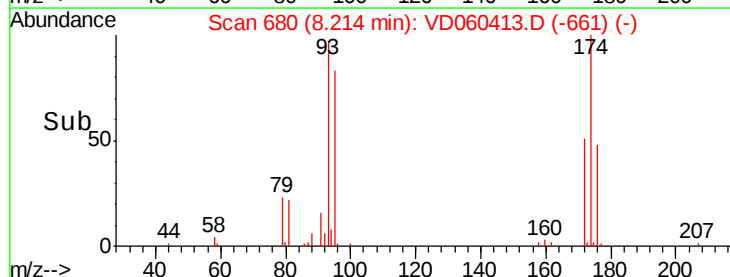
40000

20000

0

Time-->

8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 20.106 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

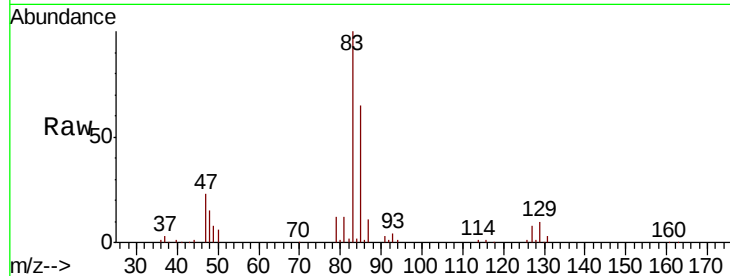
Tgt Ion: 83 Resp: 359352

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

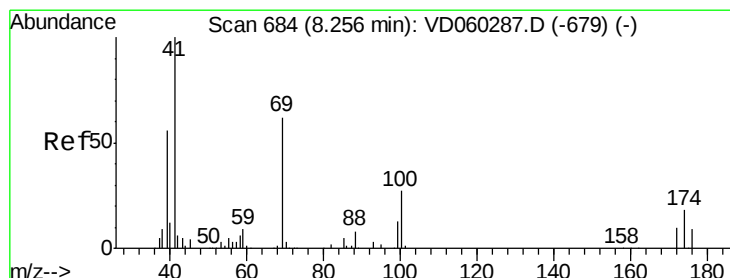
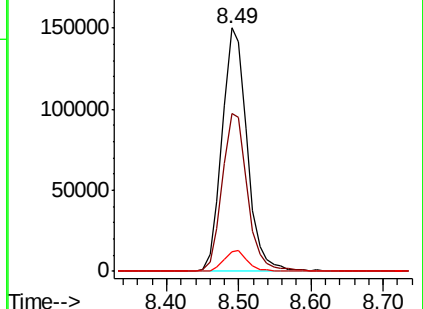
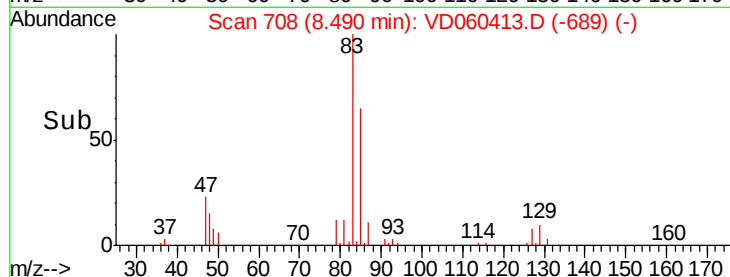
127 8.0 6.2 9.4



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: 18.631 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

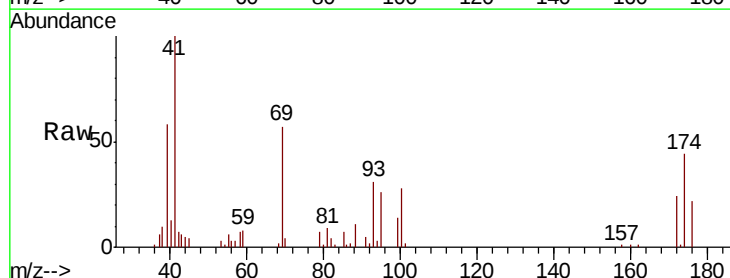
Tgt Ion: 41 Resp: 131584

Ion Ratio Lower Upper

41 100

69 56.9 47.0 70.4

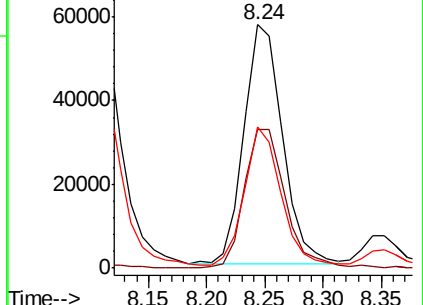
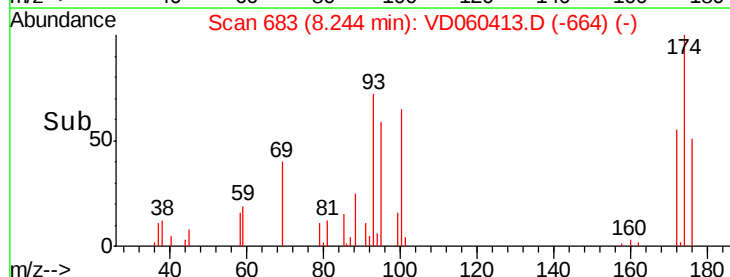
39 58.0 46.2 69.4

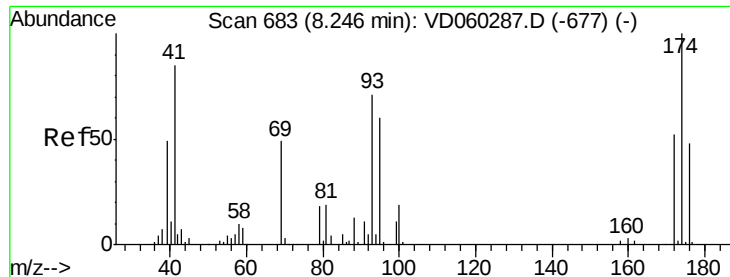


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

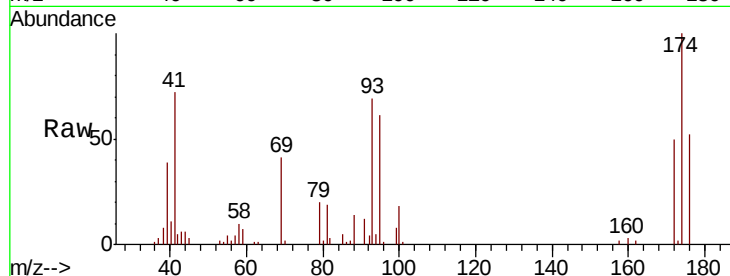




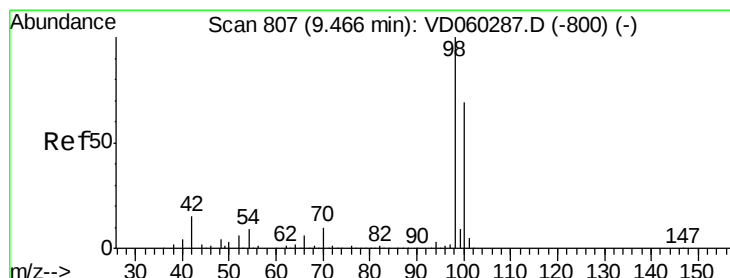
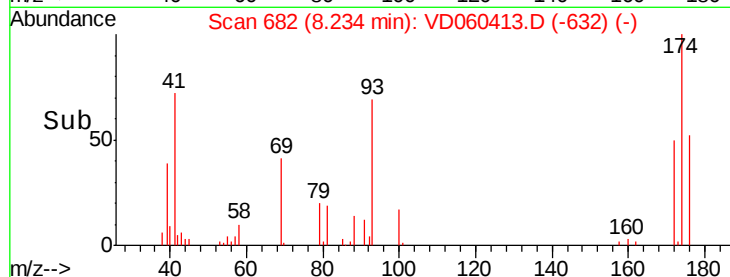
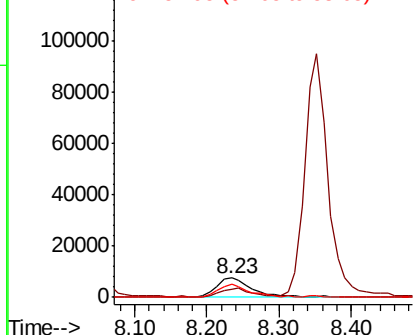
#49
1,4-Dioxane
Concen: 417.977 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion: 88 Resp: 25542
Ion Ratio Lower Upper
88 100
43 44.6 39.7 59.5
58 67.8 60.2 90.2

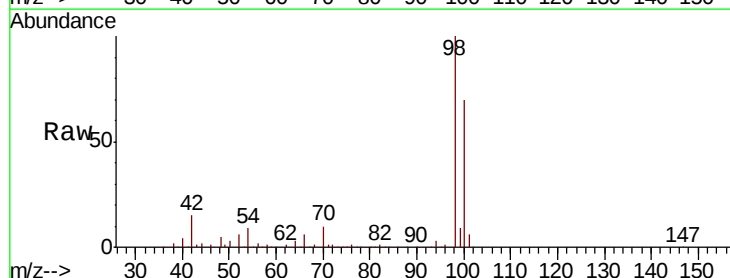


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

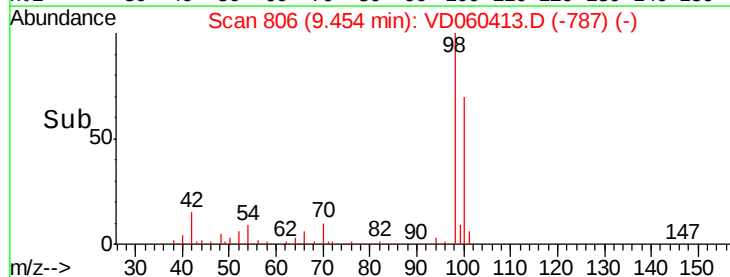
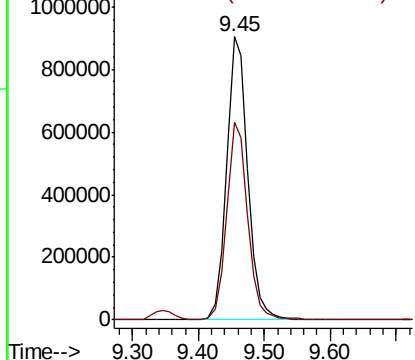


#50
Toluene-d8
Concen: 417.977 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion: 98 Resp: 2034257
Ion Ratio Lower Upper
98 100
100 69.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 93.089 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

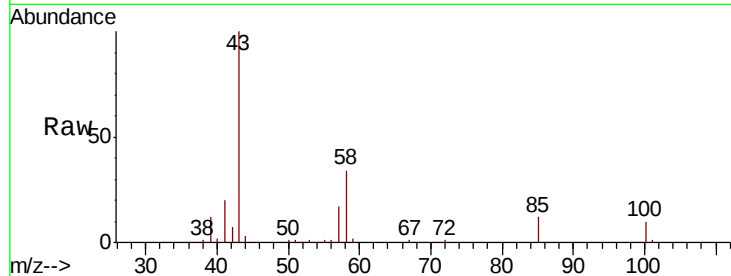
VD1119SBS01

Tgt Ion: 43 Resp: 704477

Ion Ratio Lower Upper

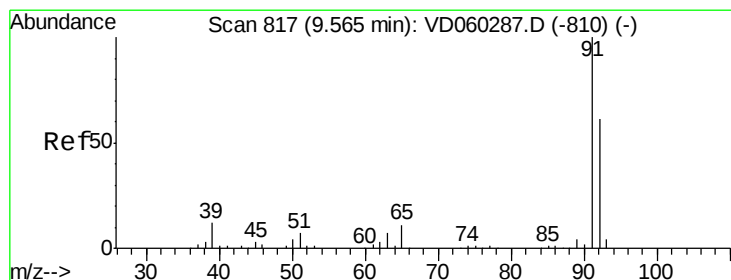
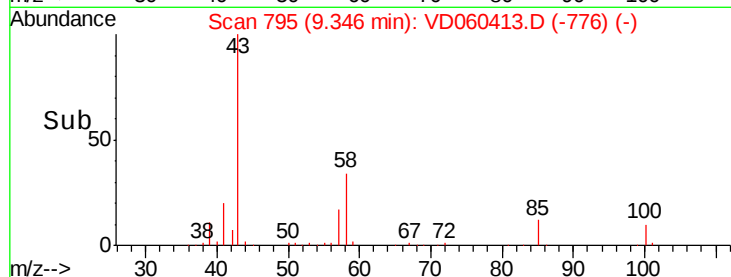
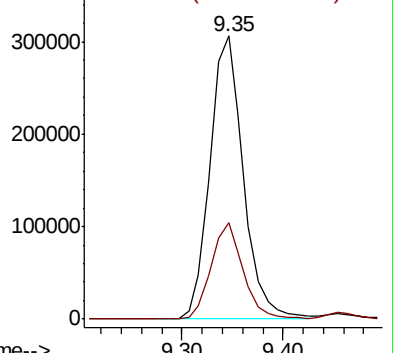
43 100

58 34.0 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: 20.736 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060413.D

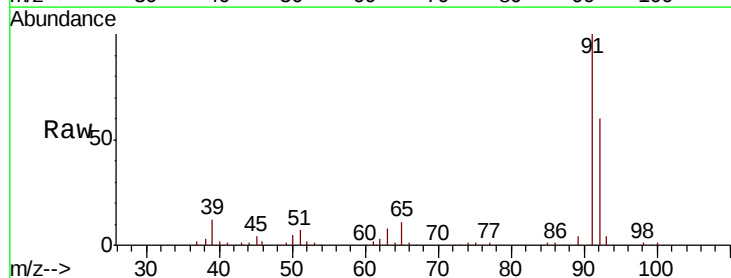
Acq: 19 Nov 2018 13:33

Tgt Ion: 92 Resp: 680140

Ion Ratio Lower Upper

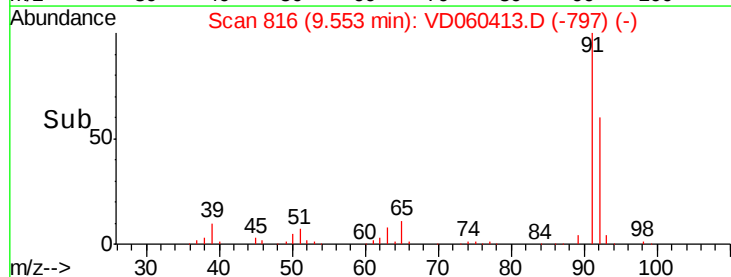
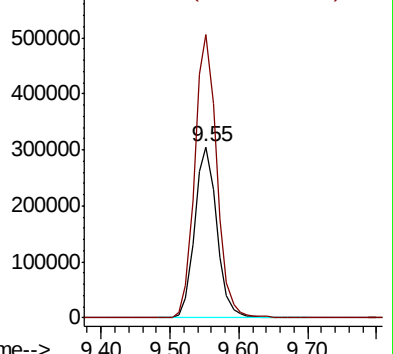
92 100

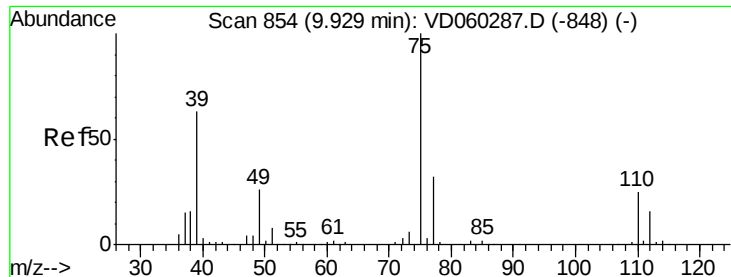
91 165.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

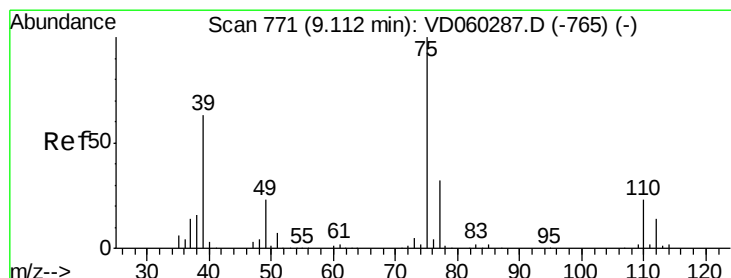
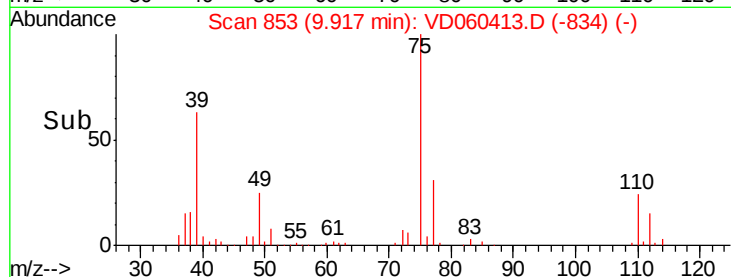
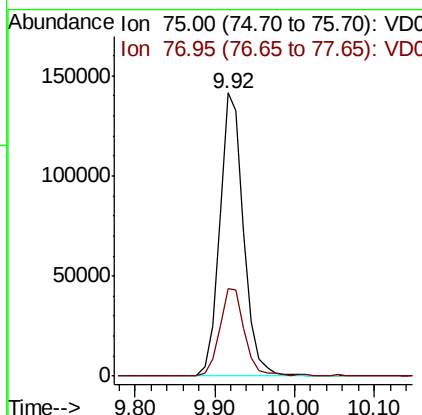
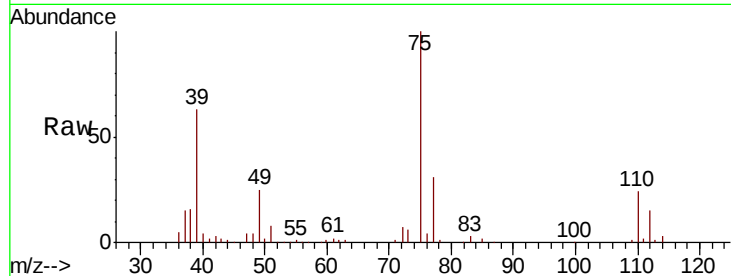




#53
 t-1,3-Dichloropropene
 Concen: 19.630 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

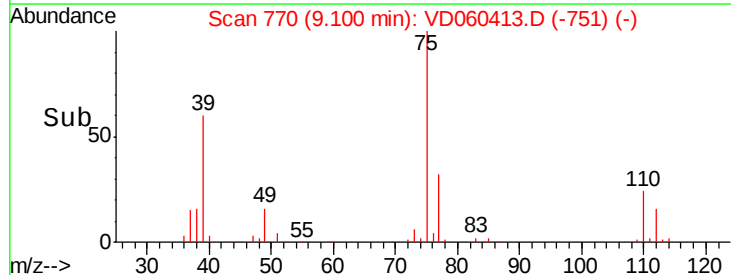
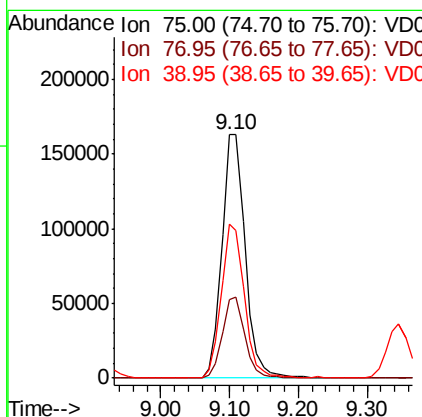
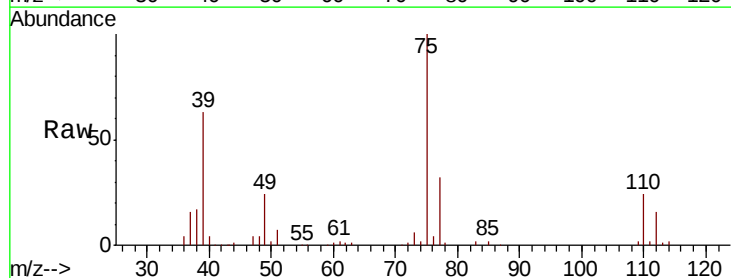
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

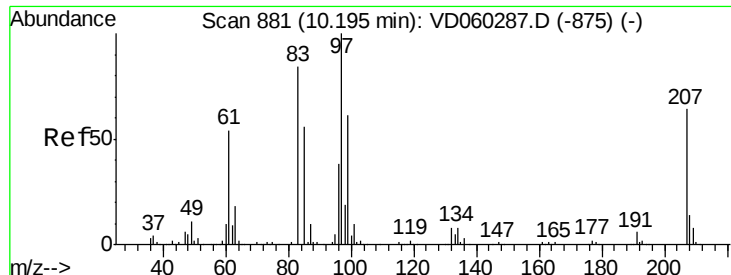
Tgt Ion: 75 Resp: 296445
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.715 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 75 Resp: 381858
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.3 39.5
 39 63.1 50.8 76.2

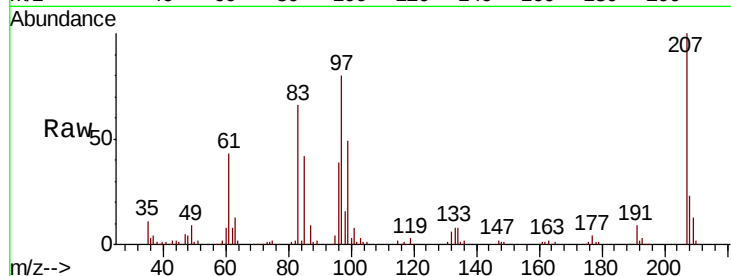




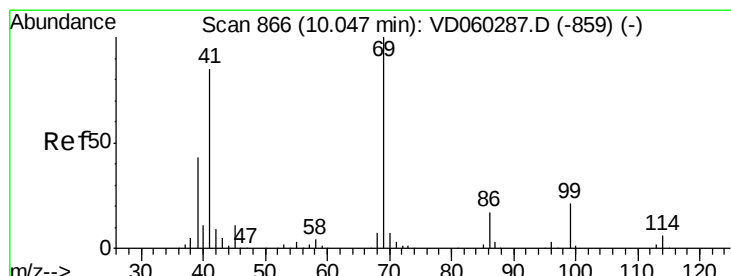
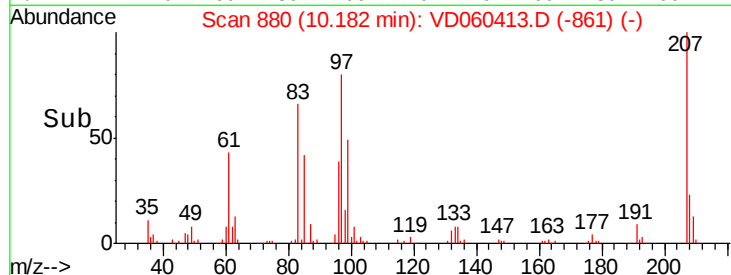
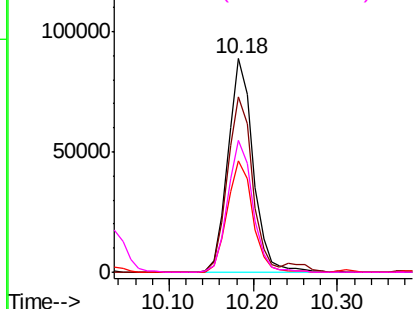
#55
 1,1,2-Trichloroethane
 Concen: 19.455 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tgt Ion:	97	Resp:	184957
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.4	102.6
85	52.0	46.8	70.2
99	61.5	49.5	74.3

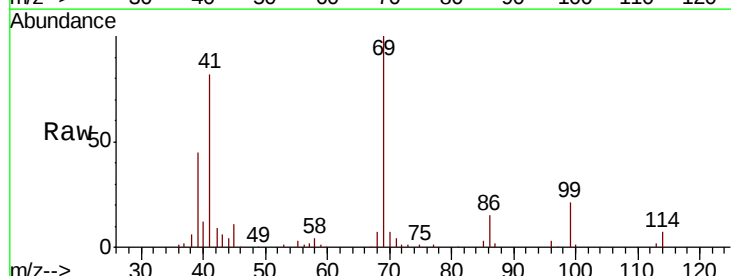


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

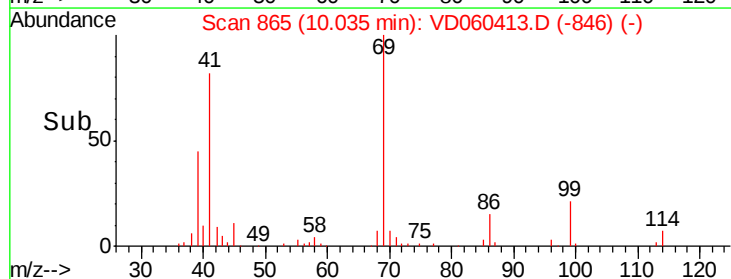
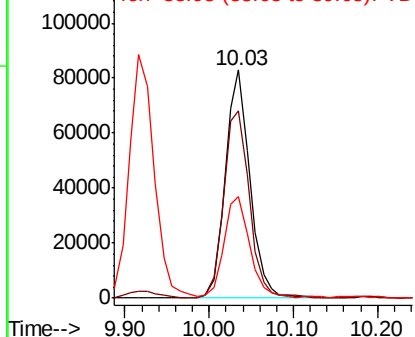


#56
 Ethyl methacrylate
 Concen: 19.112 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion:	69	Resp:	167056
Ion	Ratio	Lower	Upper
69	100		
41	82.2	69.0	103.4
39	44.5	36.6	54.8



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





#57

1,3-Dichloropropane

Concen: 19.148 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

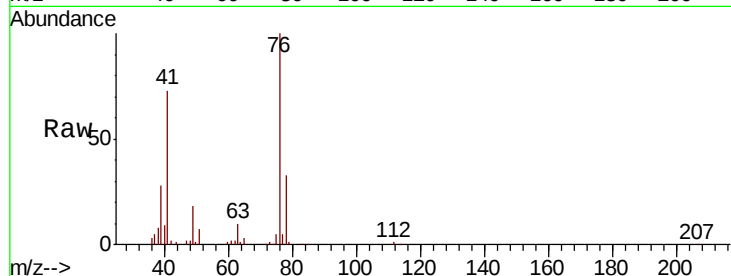
VD1119SBS01

Tgt Ion: 76 Resp: 277386

Ion Ratio Lower Upper

76 100

78 32.7 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

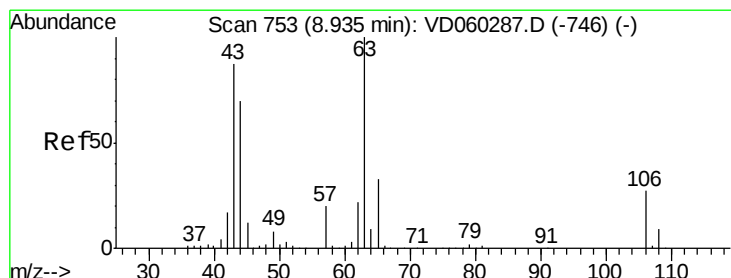
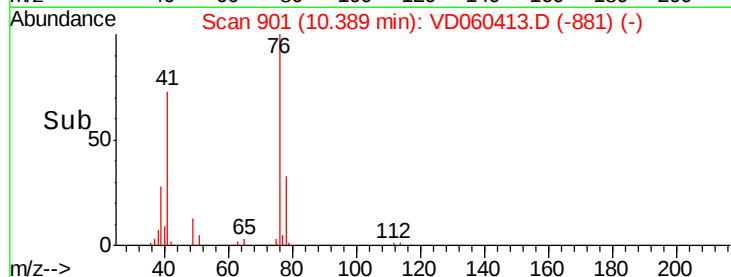
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.058 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060413.D

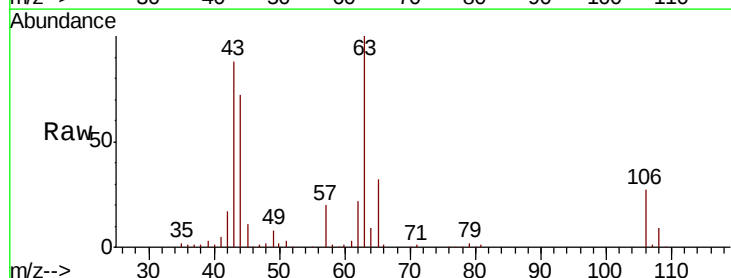
Acq: 19 Nov 2018 13:33

Tgt Ion: 63 Resp: 507687

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

250000

200000

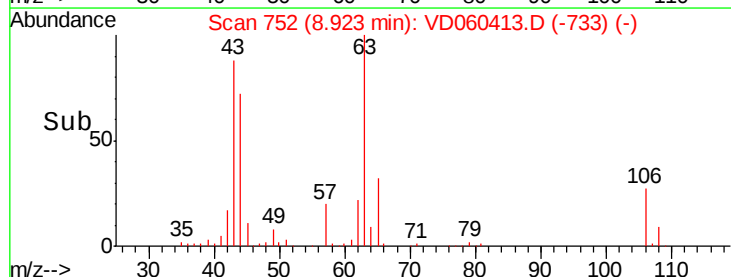
150000

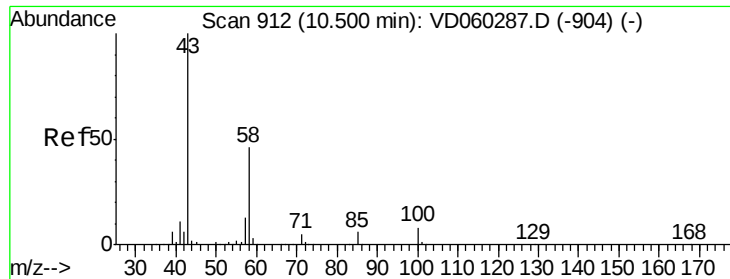
100000

50000

0

Time-->

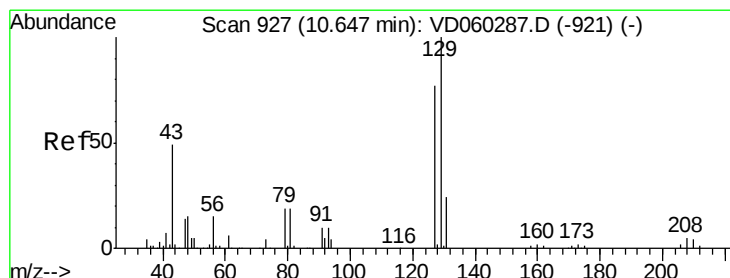
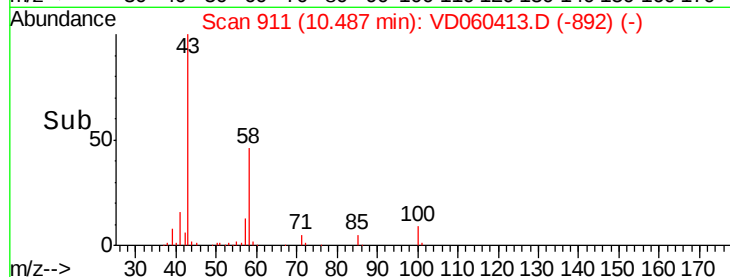
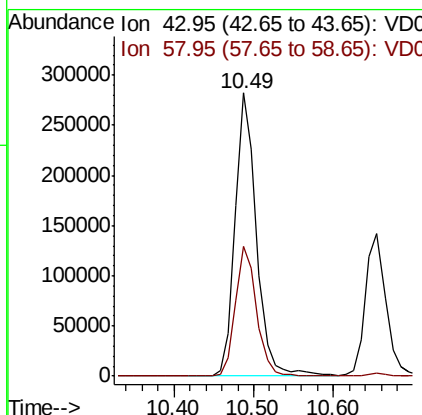
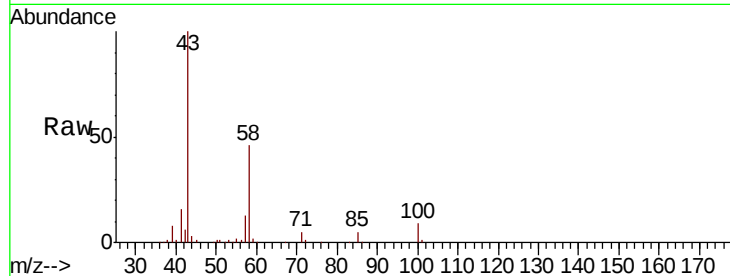




#59
2-Hexanone
Concen: 98.280 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

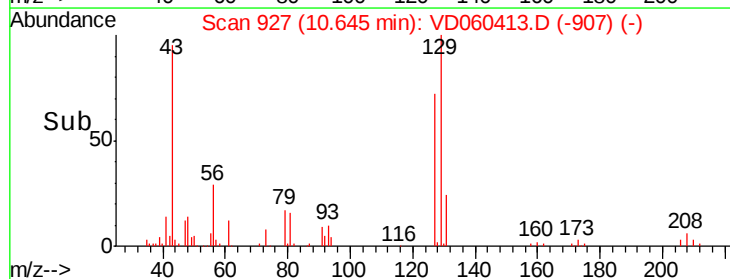
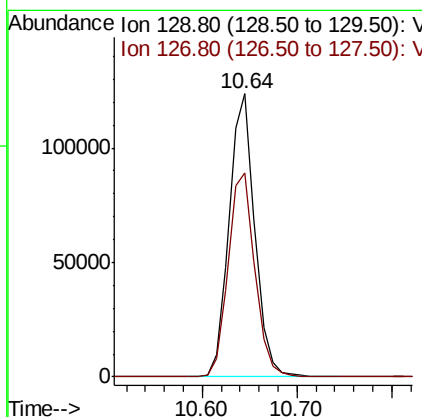
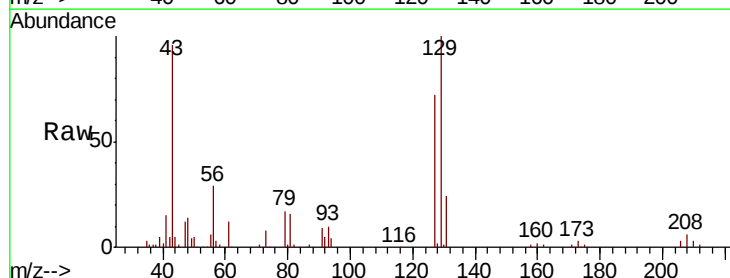
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

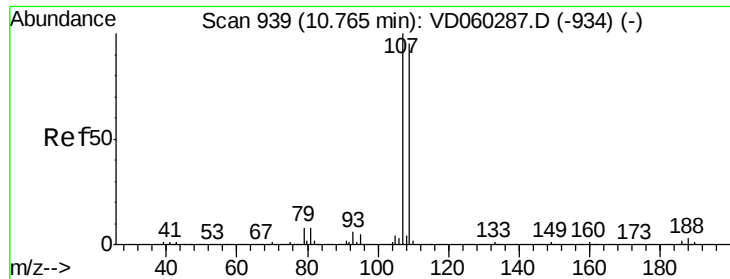
Tgt Ion: 43 Resp: 530107
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 20.042 ug/l
RT: 10.64 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion: 129 Resp: 231607
Ion Ratio Lower Upper
129 100
127 72.0 38.9 116.6

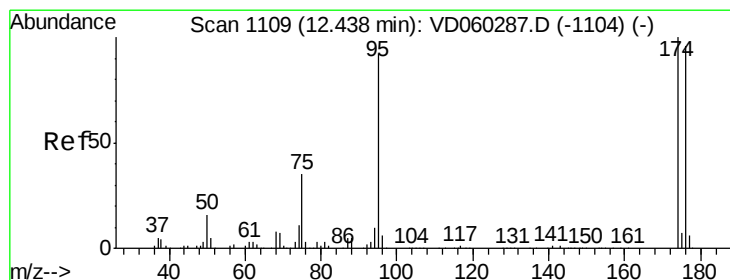
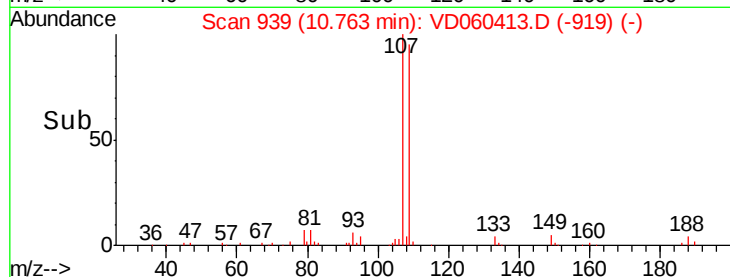
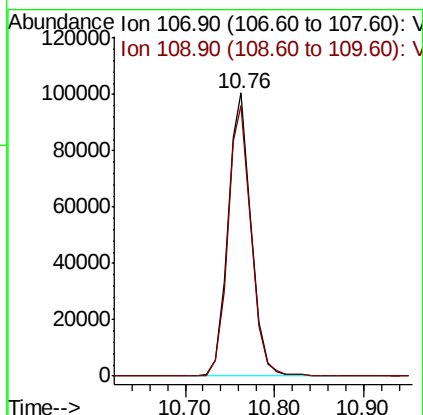
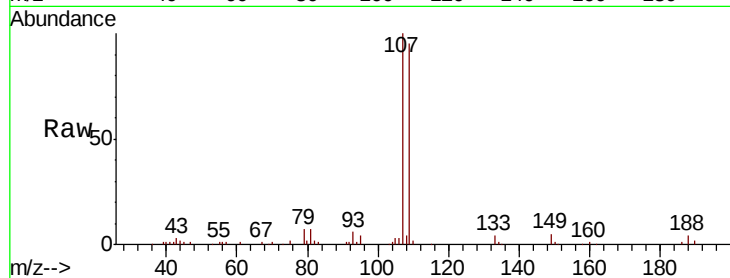




#61
 1,2-Dibromoethane
 Concen: 19.210 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

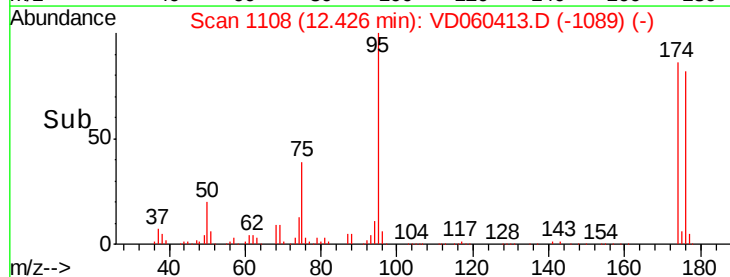
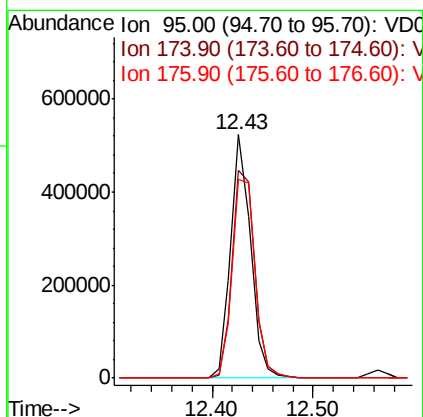
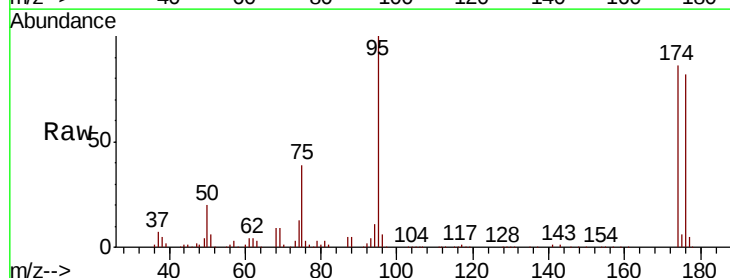
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

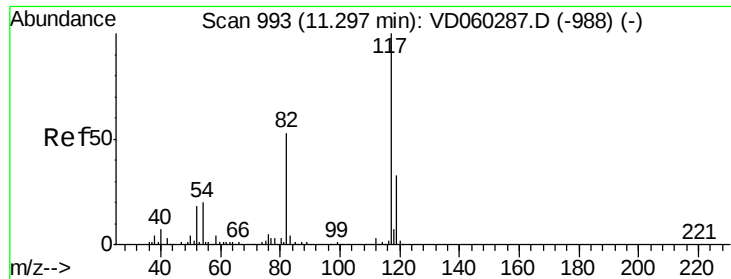
Tgt Ion: 107 Resp: 182982
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.210 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 95 Resp: 719702
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 160.8
 176 81.9 0.0 154.6

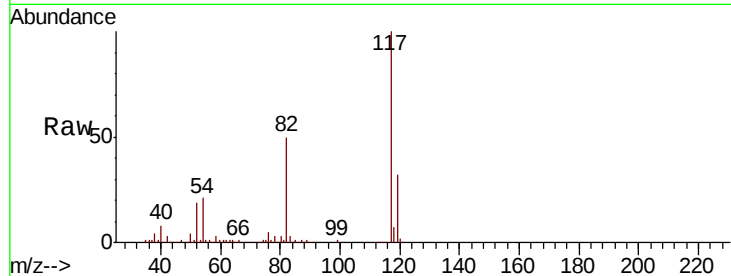




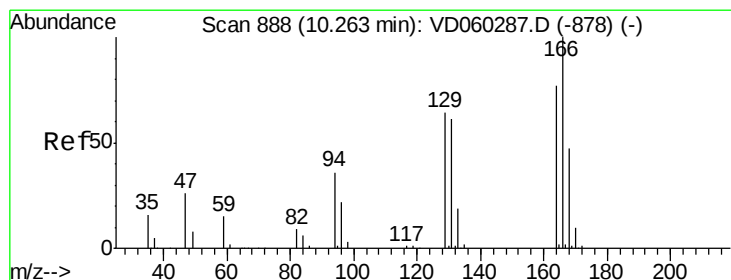
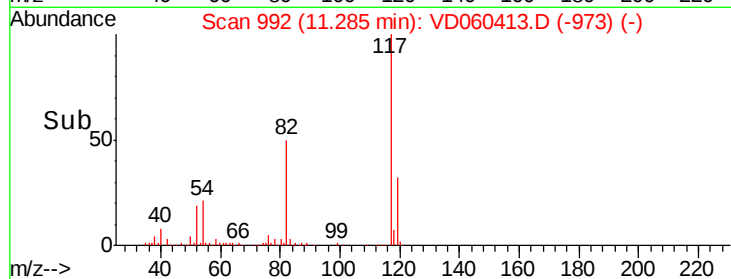
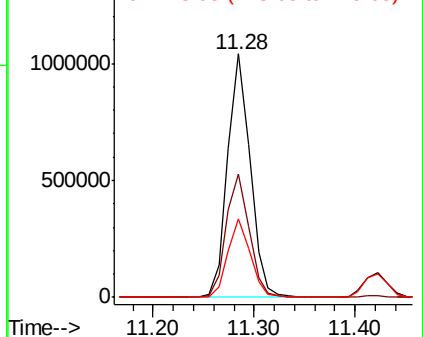
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion:117 Resp: 1617745
Ion Ratio Lower Upper
117 100
82 50.4 43.7 65.5
119 32.5 26.1 39.1

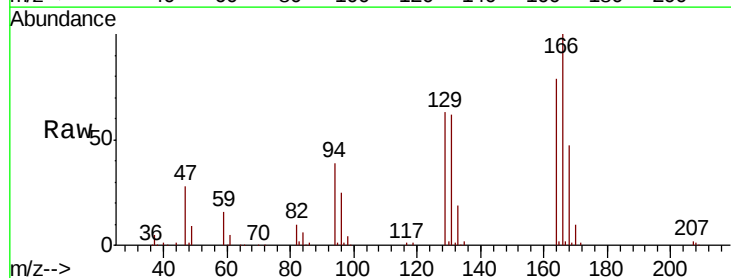


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

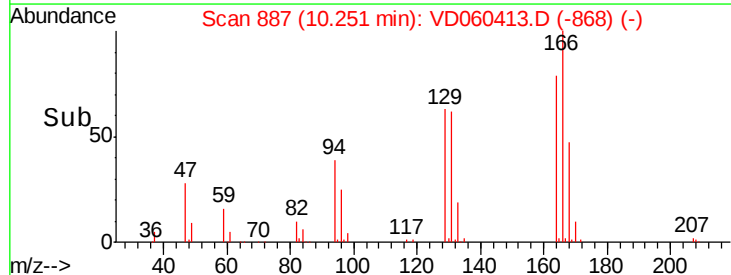
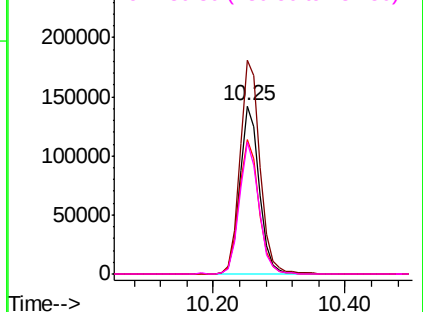


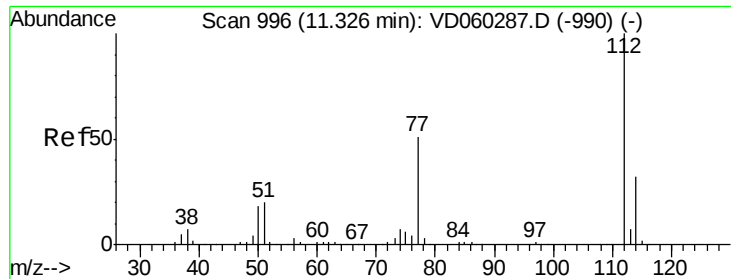
#64
Tetrachloroethene
Concen: 20.390 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion:164 Resp: 294476
Ion Ratio Lower Upper
164 100
166 127.1 103.7 155.5
129 80.2 65.6 98.4
131 78.2 64.4 96.6



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

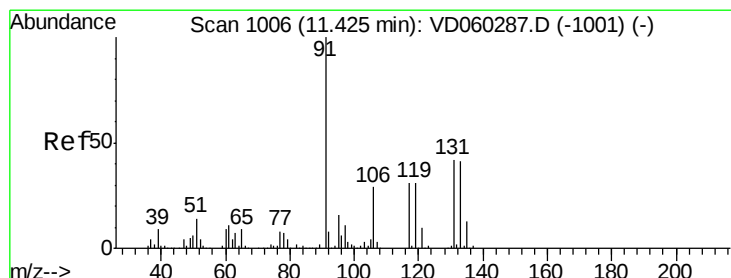
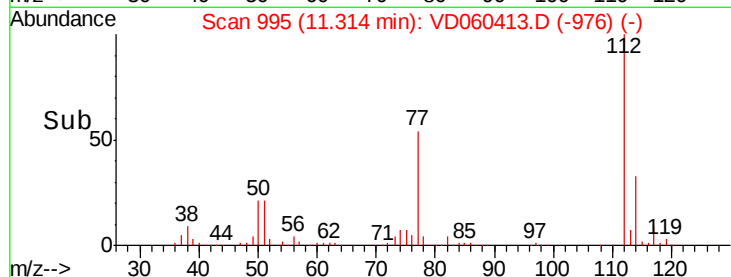
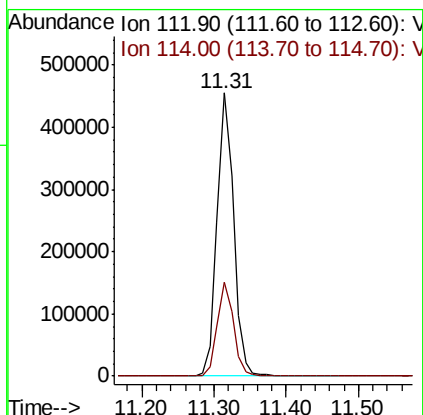
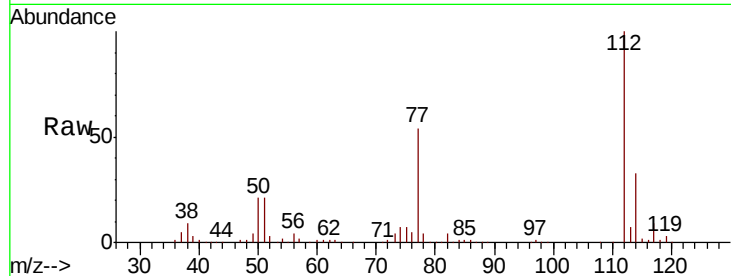




#65
Chlorobenzene
Concen: 20.411 ug/l
RT: 11.31 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

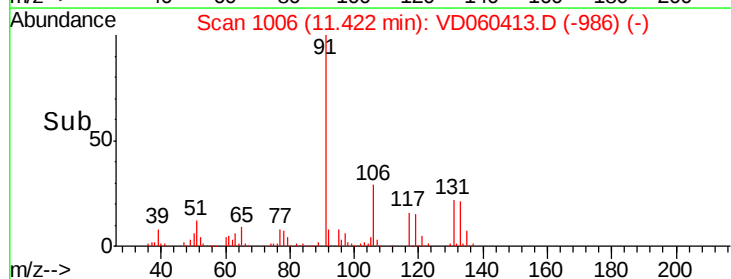
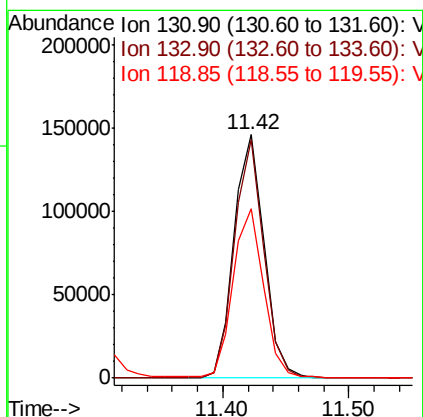
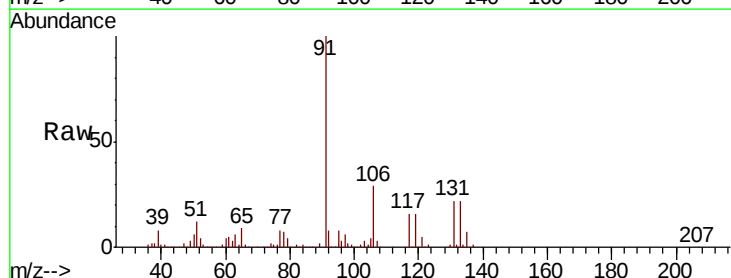
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion:112 Resp: 715464
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.890 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion:131 Resp: 239584
Ion Ratio Lower Upper
131 100
133 98.0 50.0 150.0
119 69.8 37.0 111.1

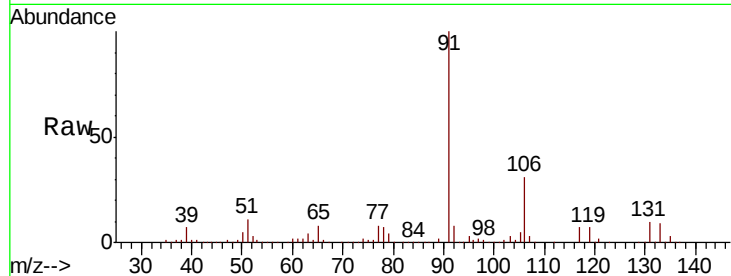




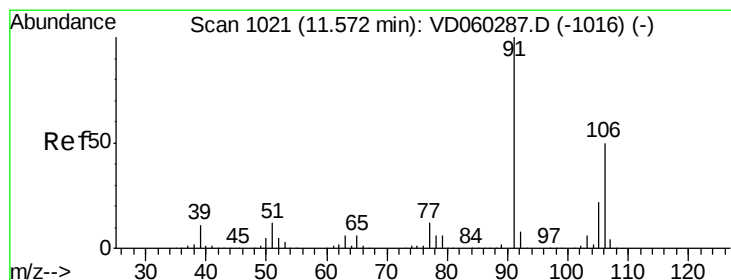
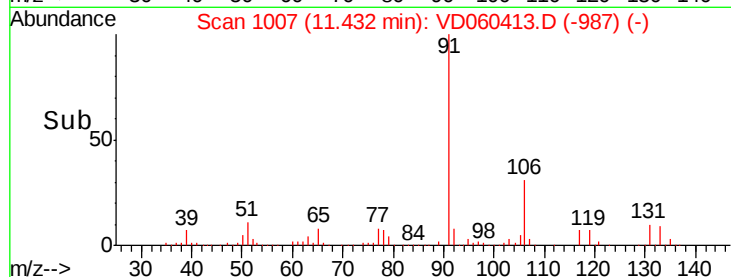
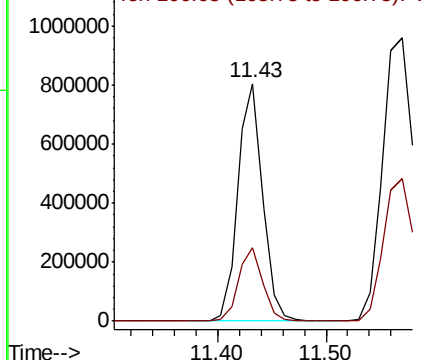
#67
Ethyl Benzene
Concen: 21.306 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion: 91 Resp: 1277549
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

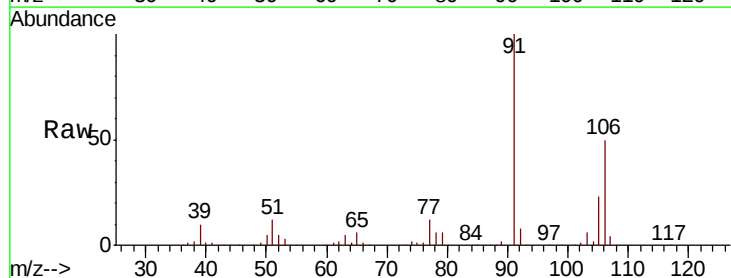


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

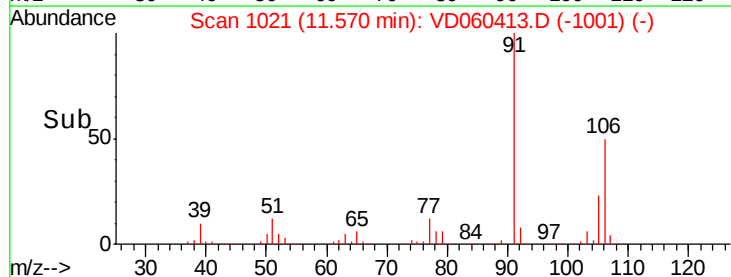
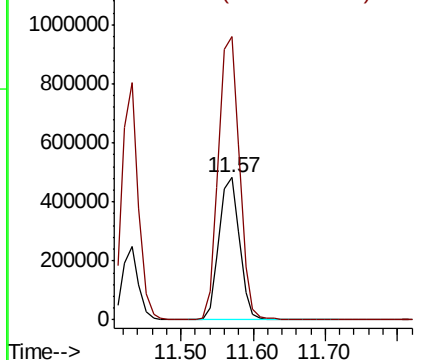


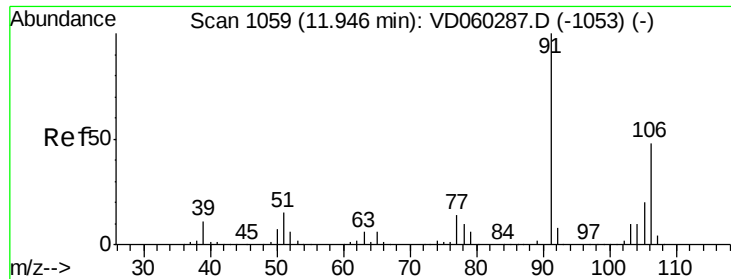
#68
m/p-Xylenes
Concen: 43.139 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion: 106 Resp: 954176
Ion Ratio Lower Upper
106 100
91 198.8 159.4 239.2



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

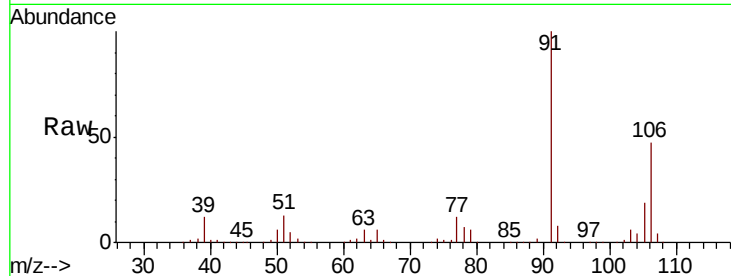




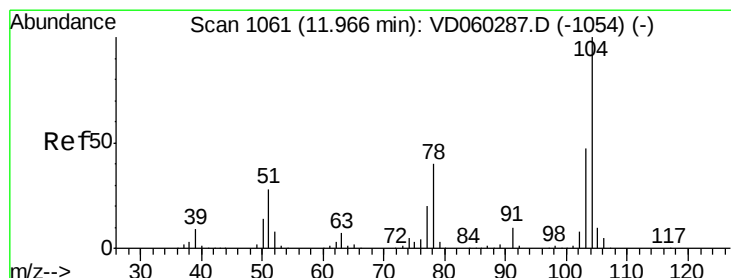
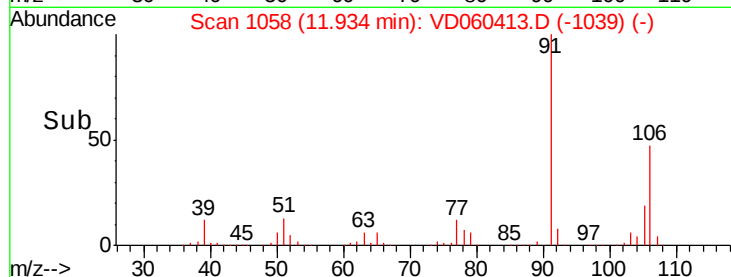
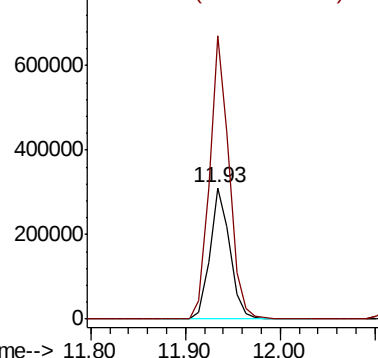
#69
o-Xylene
Concen: 21.178 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion:106 Resp: 452553
Ion Ratio Lower Upper
106 100
91 215.0 109.2 327.6

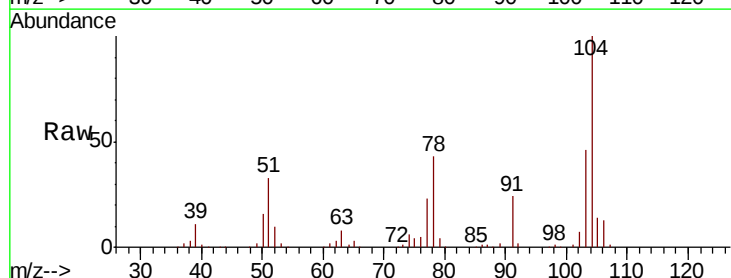


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

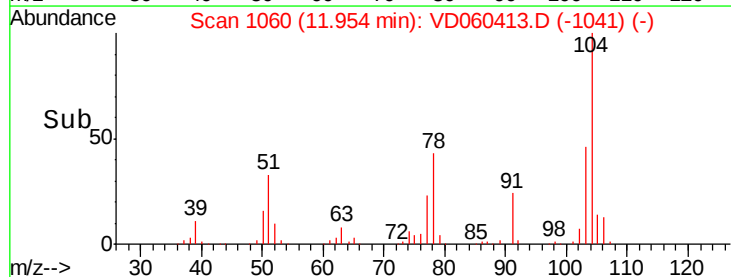
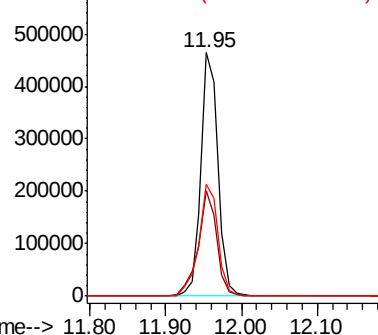


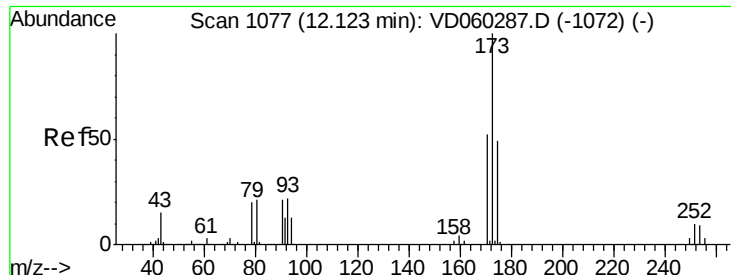
#70
Styrene
Concen: 20.837 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion:104 Resp: 719594
Ion Ratio Lower Upper
104 100
78 43.5 31.6 47.4
103 45.9 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

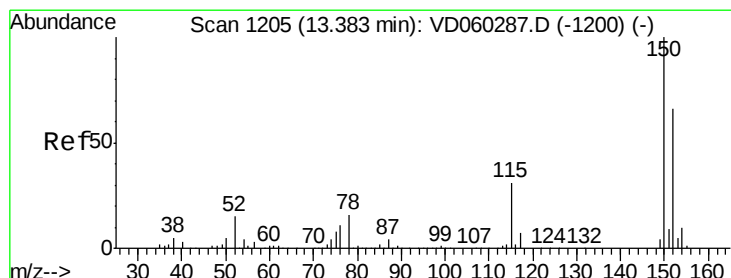
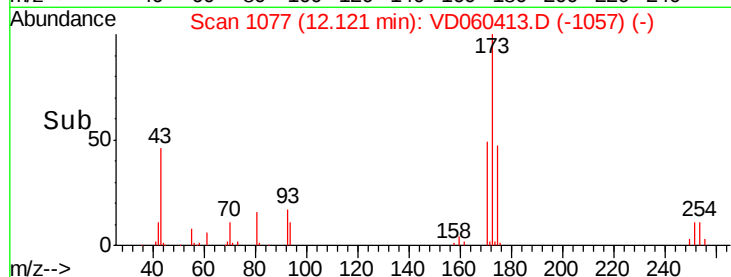
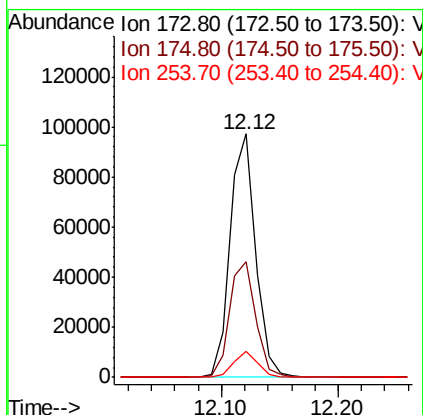
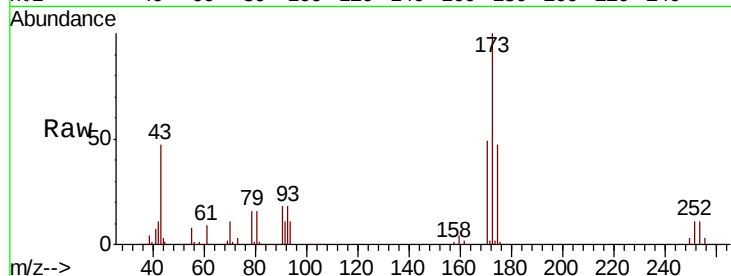




#71
Bromoform
Concen: 19.132 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

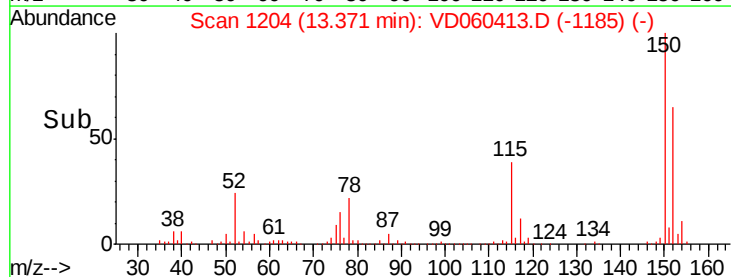
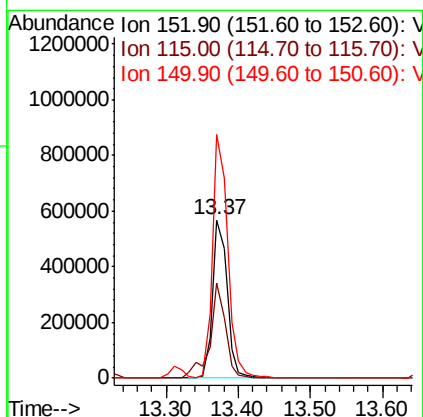
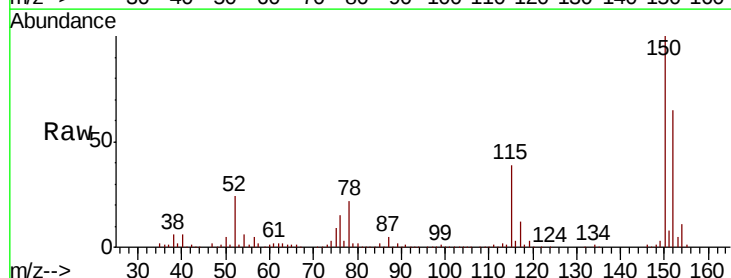
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion:173 Resp: 147446
Ion Ratio Lower Upper
173 100
175 47.3 24.3 73.0
254 10.9 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion:152 Resp: 791728
Ion Ratio Lower Upper
152 100
115 59.9 24.1 72.3
150 153.8 0.0 310.6





#73

Isopropylbenzene

Concen: 22.232 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

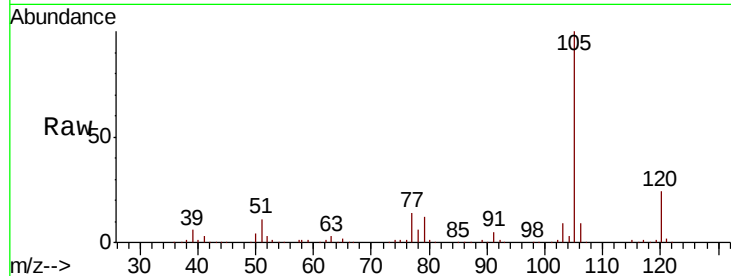
VD1119SBS01

Tgt Ion:105 Resp: 1282420

Ion Ratio Lower Upper

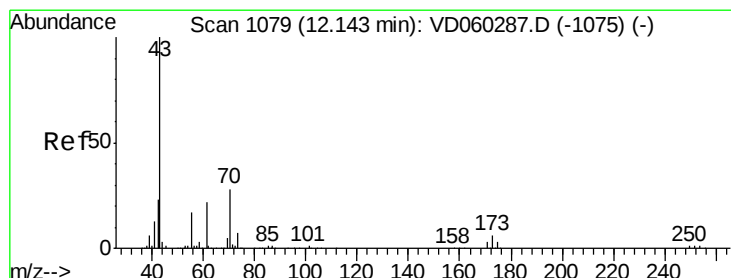
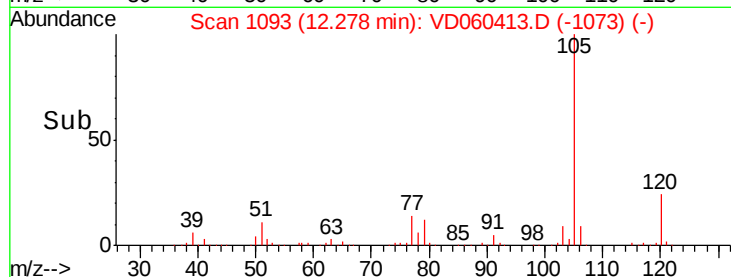
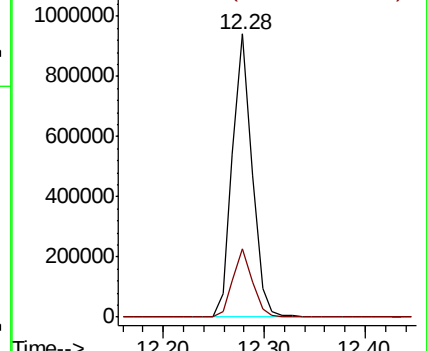
105 100

120 24.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.739 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Tgt Ion: 43 Resp: 277130

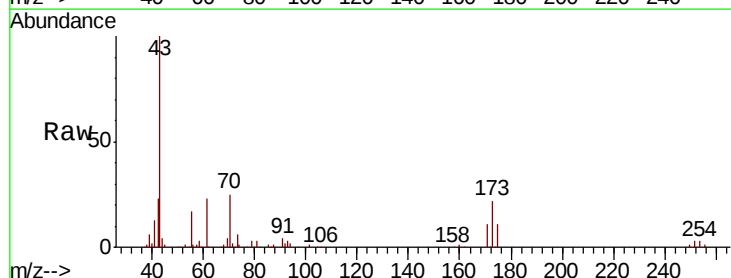
Ion Ratio Lower Upper

43 100

70 25.4 23.0 34.4

55 17.3 14.2 21.4

61 22.5 17.8 26.8

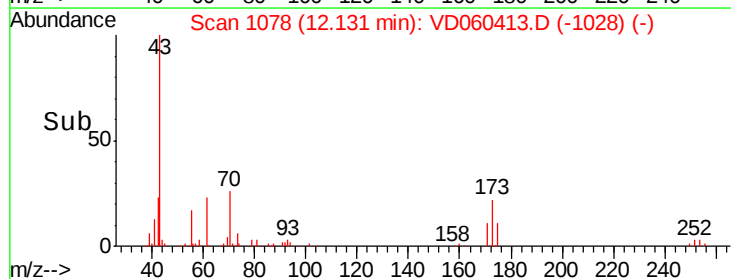
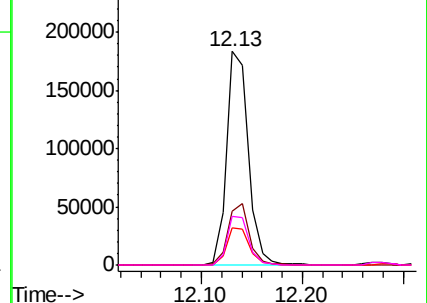


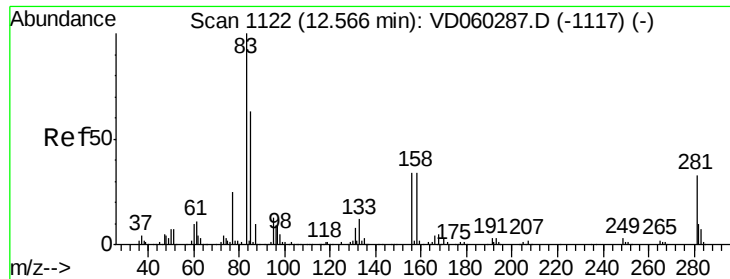
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.136 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

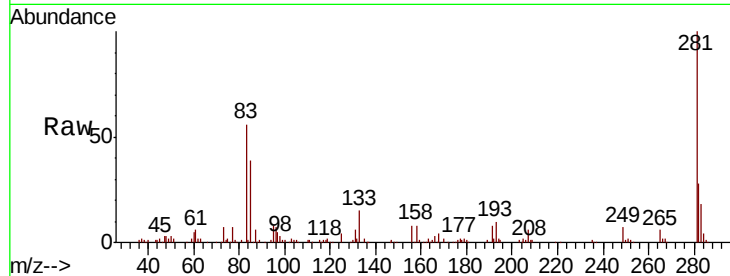
Tgt Ion: 83 Resp: 171088

Ion Ratio Lower Upper

83 100

131 10.1 3.9 11.5

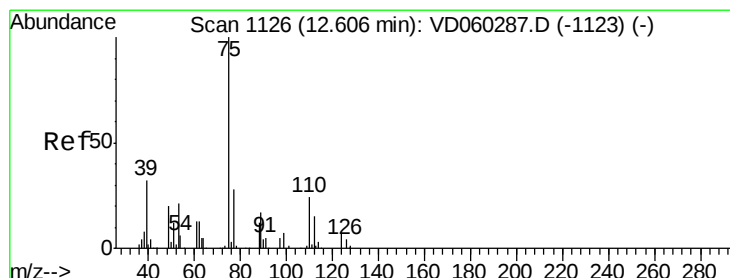
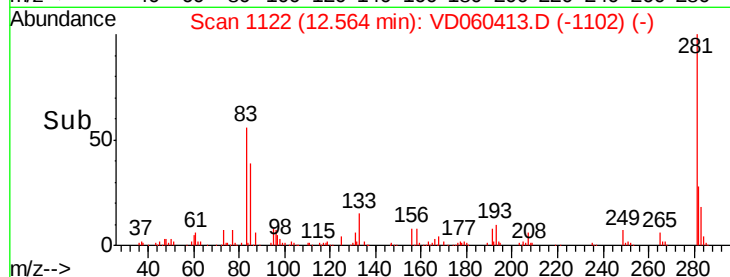
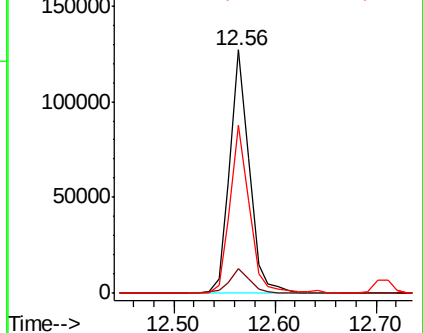
85 68.8 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.411 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060413.D

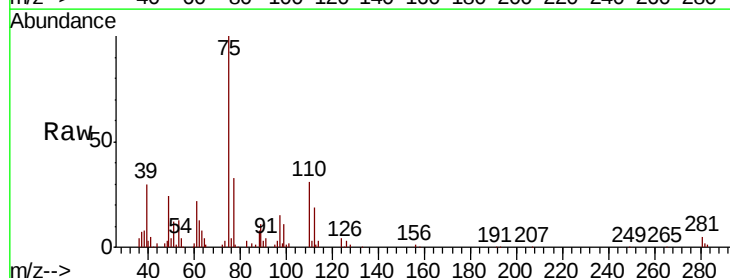
Acq: 19 Nov 2018 13:33

Tgt Ion: 75 Resp: 183842

Ion Ratio Lower Upper

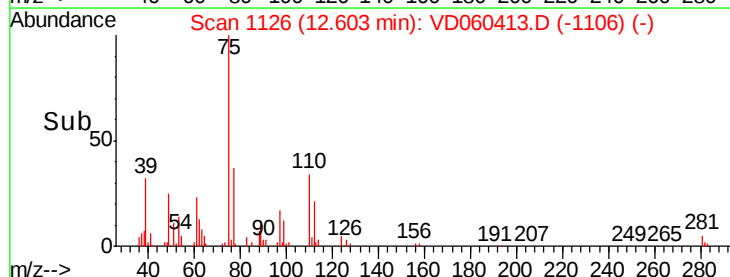
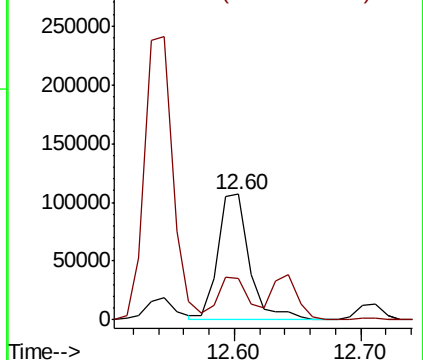
75 100

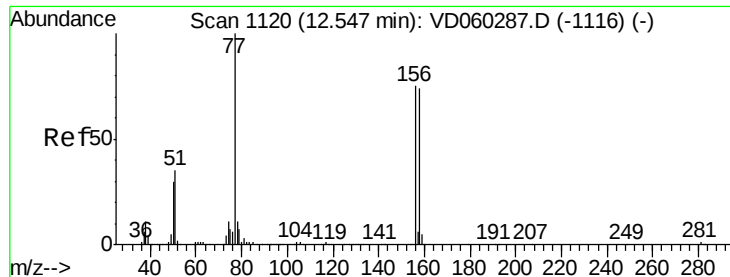
77 33.5 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

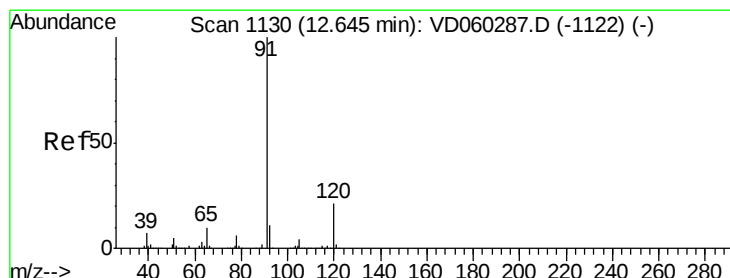
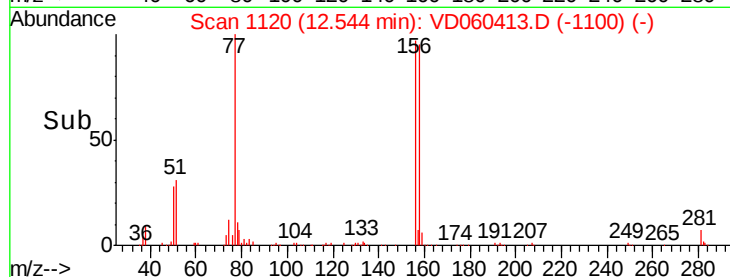
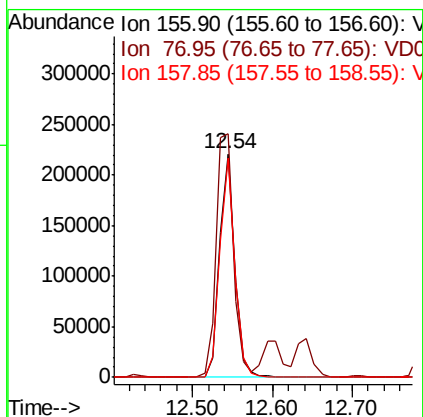
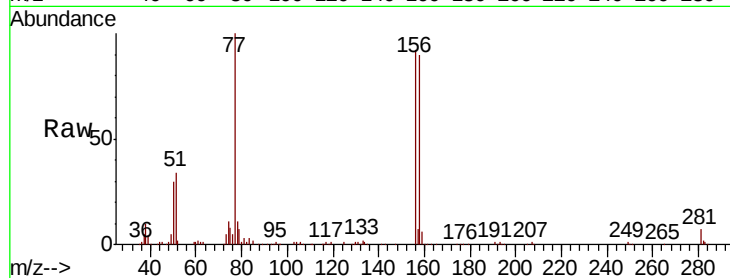




#77
Bromobenzene
Concen: 19.613 ug/l
RT: 12.54 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

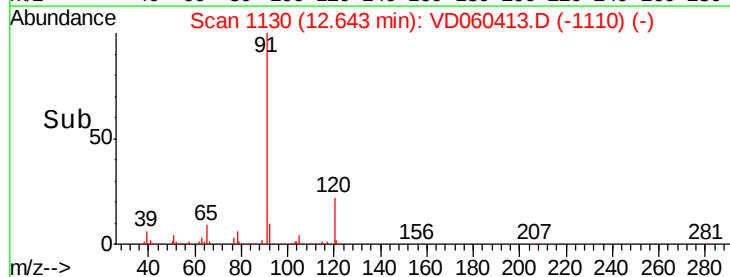
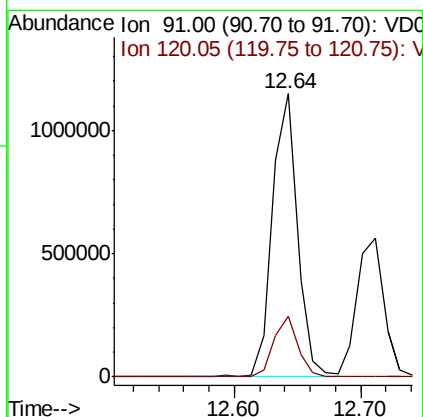
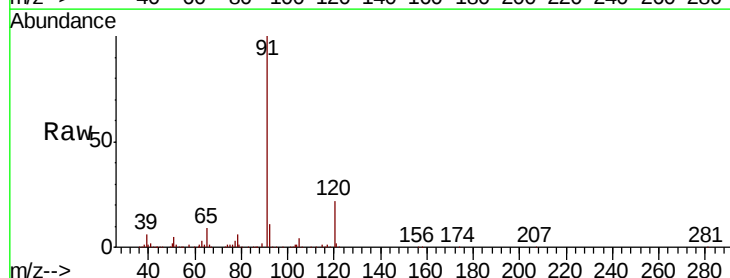
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

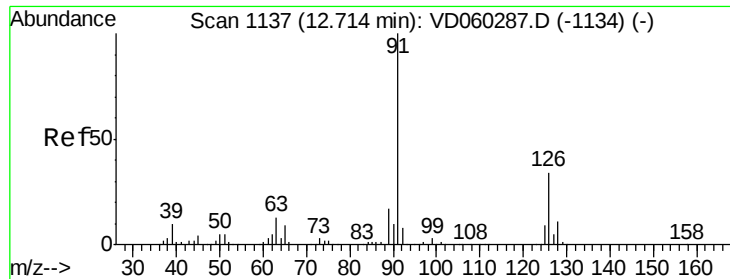
Tgt Ion: 156 Resp: 300516
Ion Ratio Lower Upper
156 100
77 109.1 61.2 183.6
158 98.3 49.2 147.6



#78
n-propylbenzene
Concen: 22.170 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion: 91 Resp: 1596242
Ion Ratio Lower Upper
91 100
120 21.6 10.4 31.4





#79

2-Chlorotoluene

Concen: 21.104 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

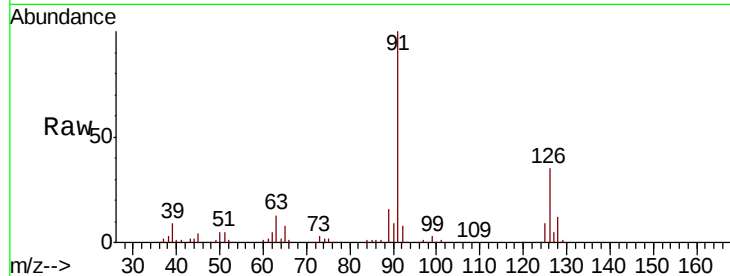
VD1119SBS01

Tgt Ion: 91 Resp: 832186

Ion Ratio Lower Upper

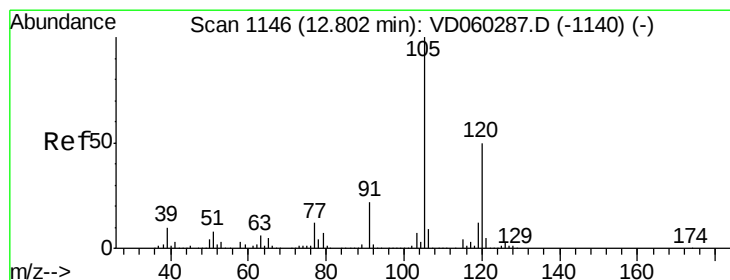
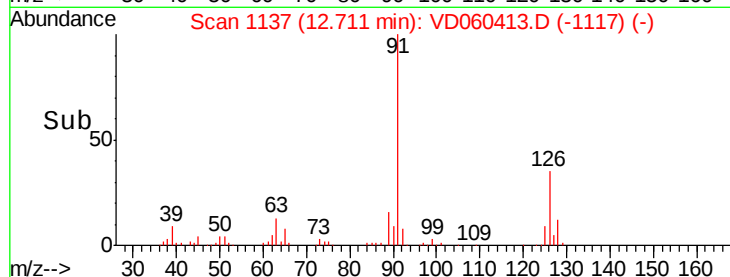
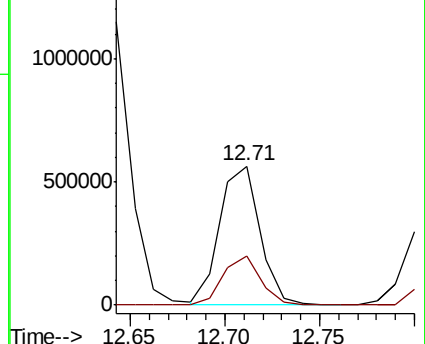
91 100

126 35.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.709 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060413.D

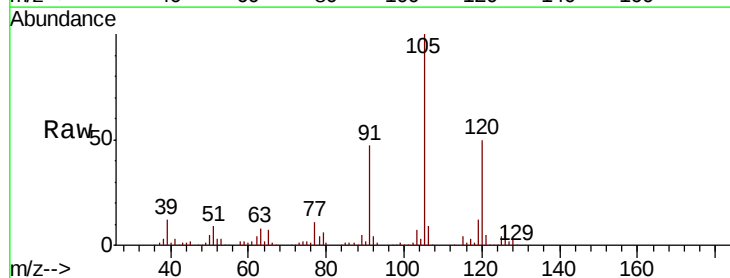
Acq: 19 Nov 2018 13:33

Tgt Ion: 105 Resp: 973199

Ion Ratio Lower Upper

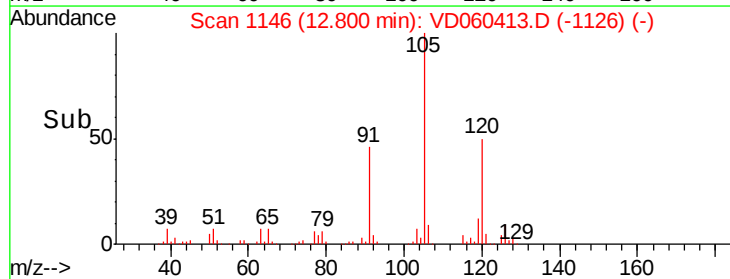
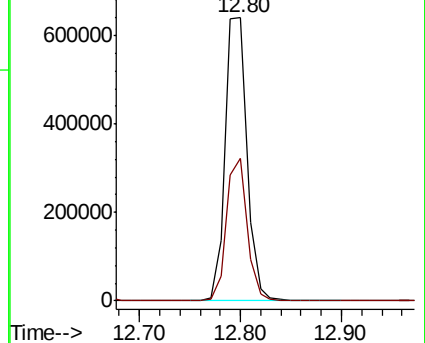
105 100

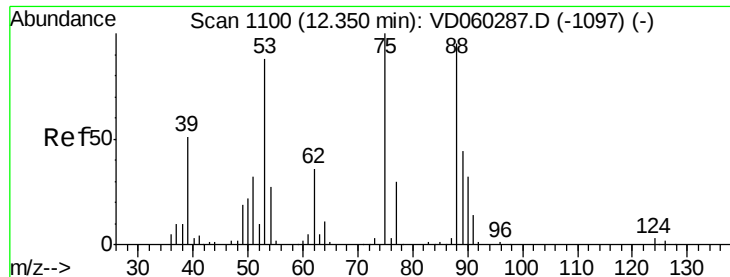
120 50.5 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.174 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

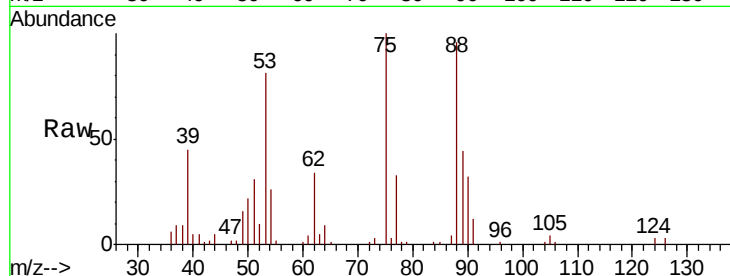
Tgt Ion: 75 Resp: 51700

Ion Ratio Lower Upper

75 100

53 81.2 68.6 103.0

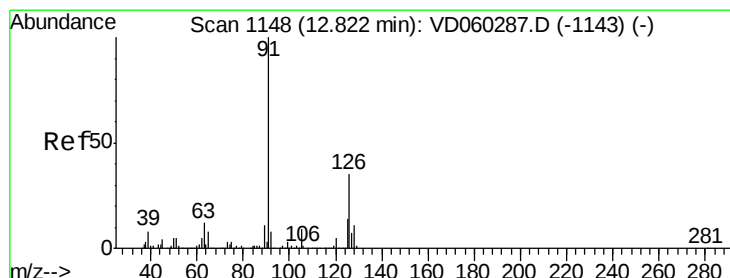
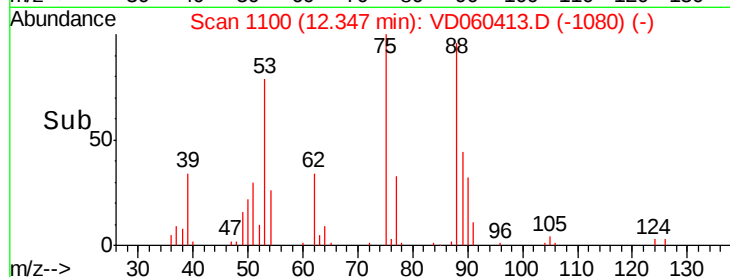
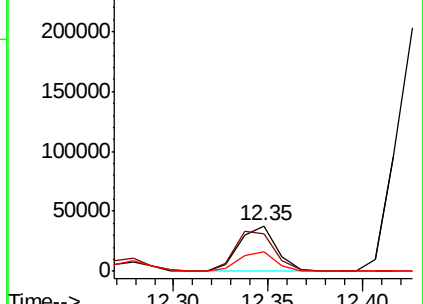
89 43.5 34.1 51.1



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: 21.602 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060413.D

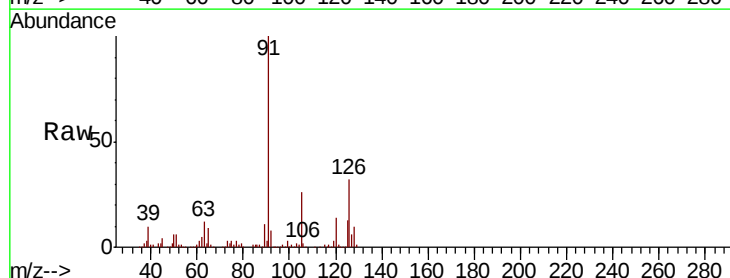
Acq: 19 Nov 2018 13:33

Tgt Ion: 91 Resp: 956906

Ion Ratio Lower Upper

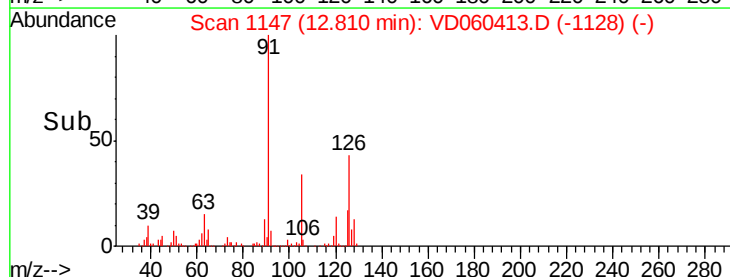
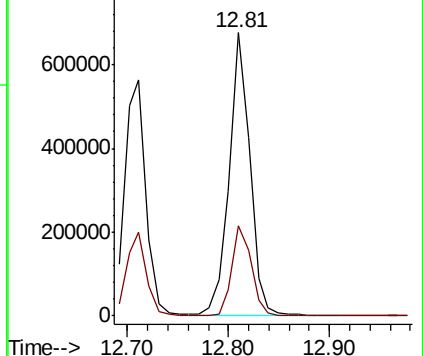
91 100

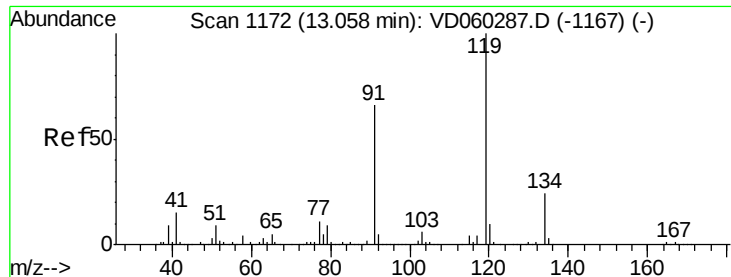
126 32.0 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

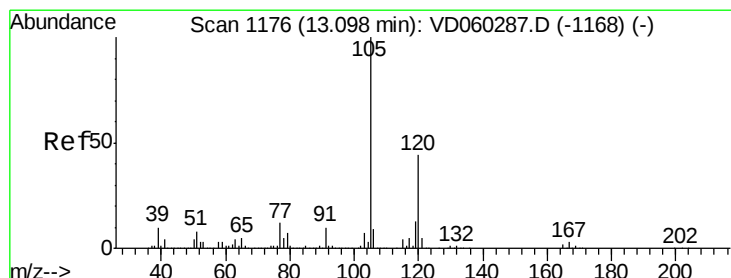
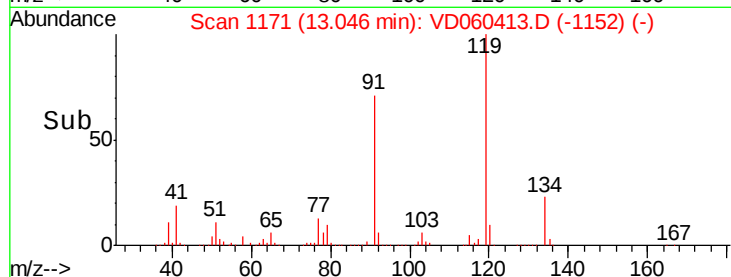
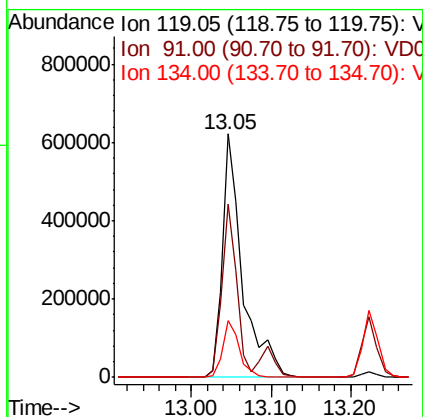
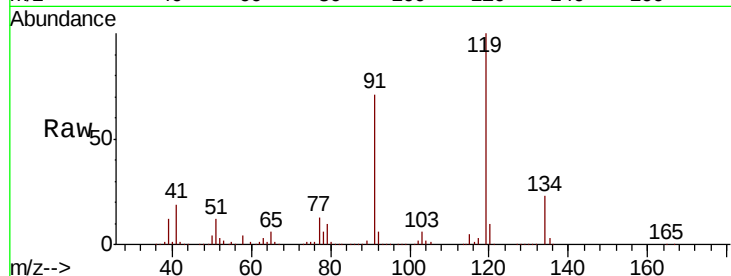




#83
 tert-Butylbenzene
 Concen: 22.197 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

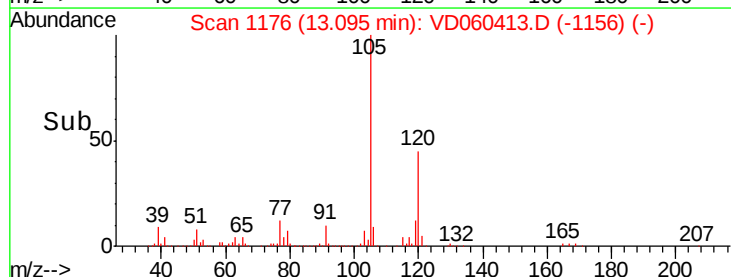
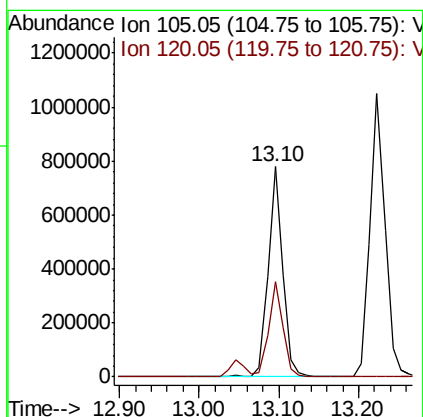
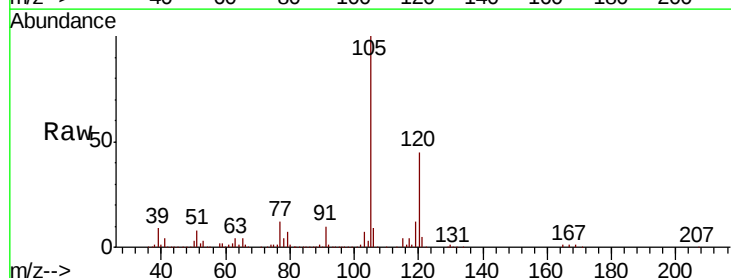
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

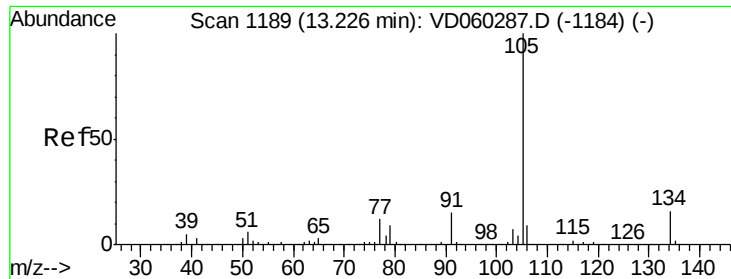
Tgt Ion:119 Resp: 1104719
 Ion Ratio Lower Upper
 119 100
 91 71.4 32.7 98.1
 134 23.1 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.010 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion:105 Resp: 985384
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.9 65.8

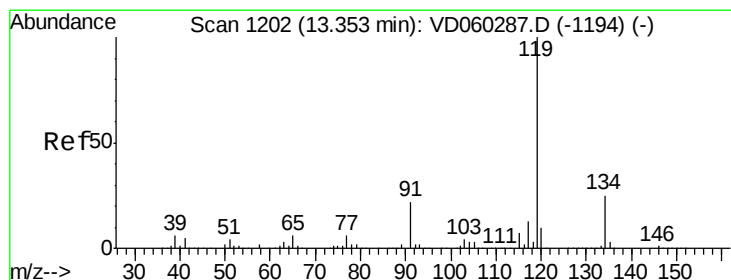
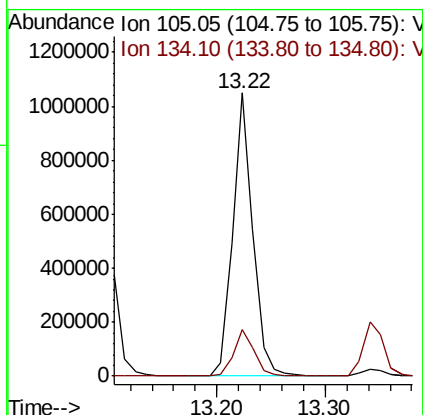
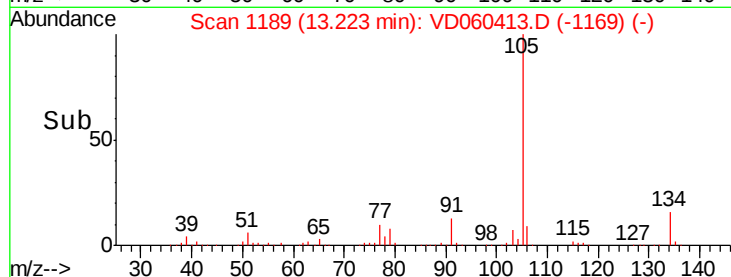
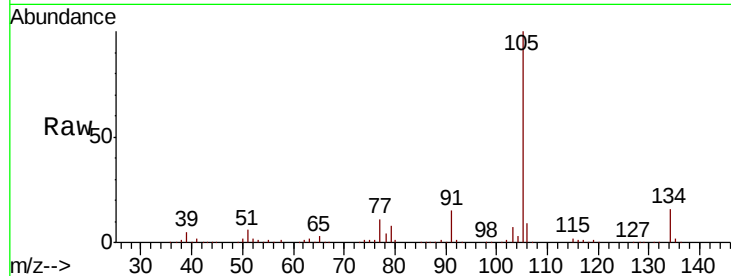




#85
 sec-Butylbenzene
 Concen: 22.034 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

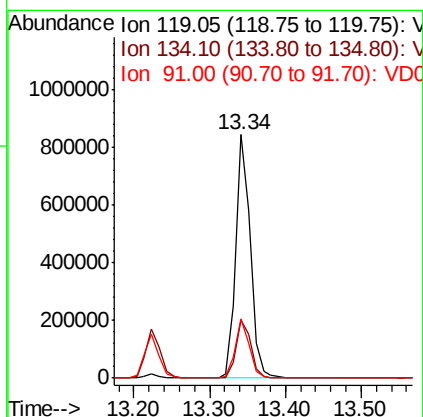
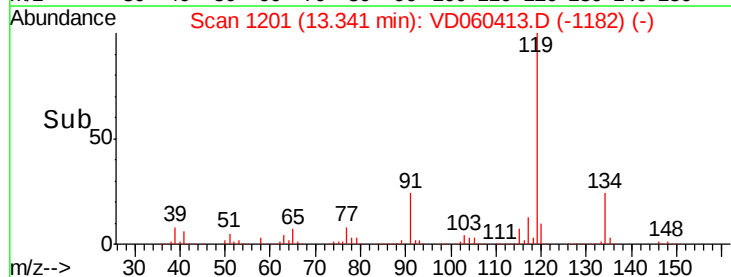
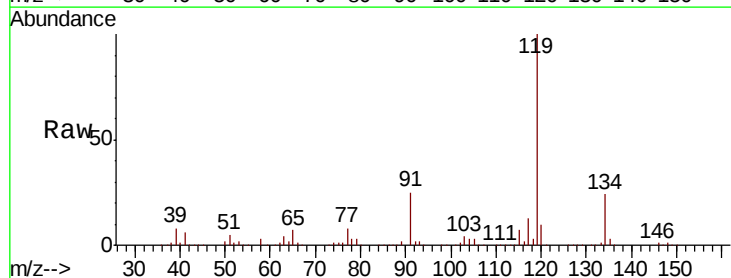
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

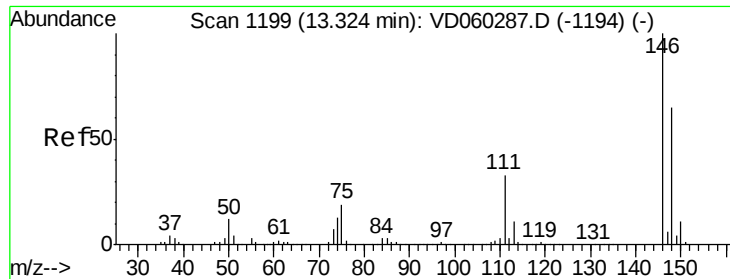
Tgt Ion:105 Resp: 1345404
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 22.350 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion:119 Resp: 1099011
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.9 38.6
 91 24.6 11.3 33.8

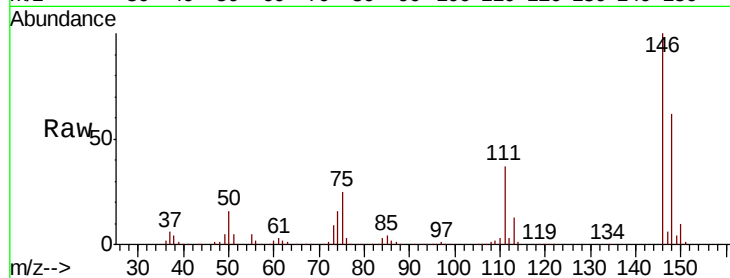




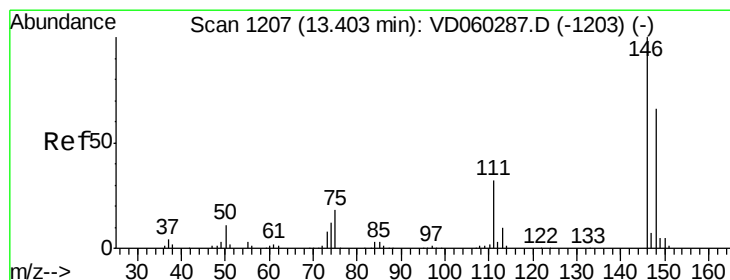
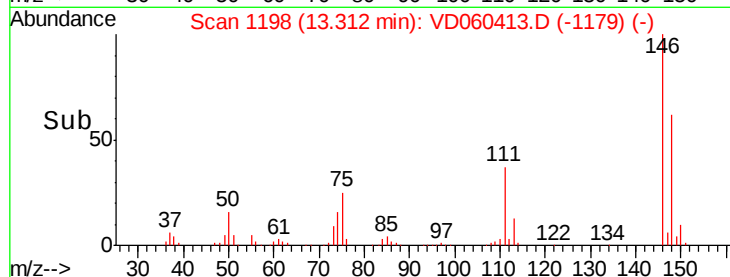
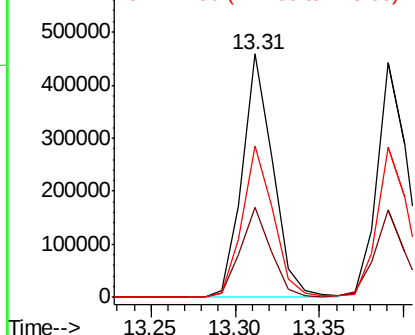
#87
 1,3-Dichlorobenzene
 Concen: 21.296 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.2	60.5
148	62.2	32.0	96.0

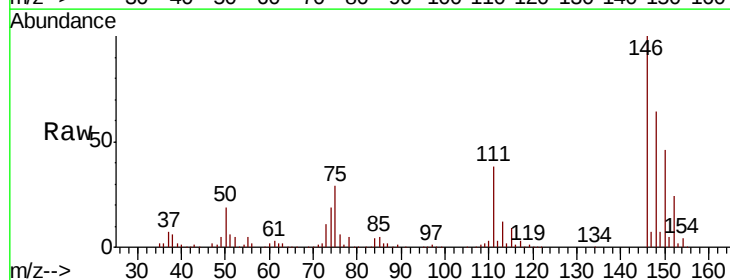


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

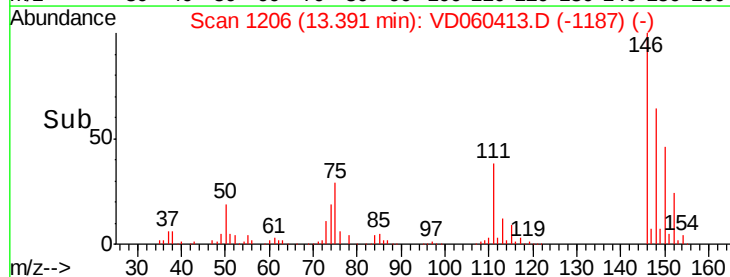
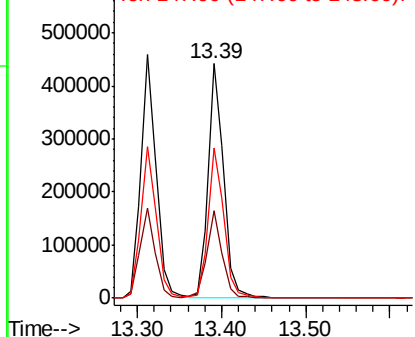


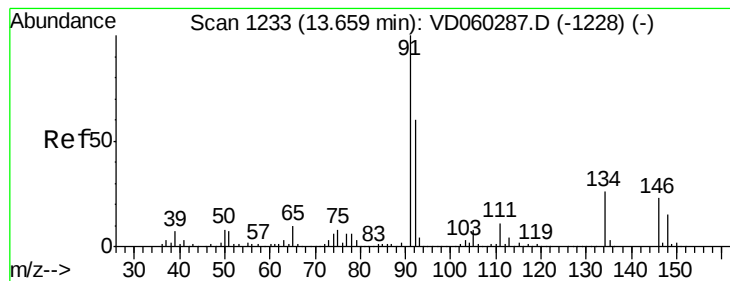
#88
 1,4-Dichlorobenzene
 Concen: 21.153 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	16.0	47.9
148	64.2	32.9	98.7



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





#89

n-Butylbenzene

Concen: 20.742 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060413.D

Acq: 19 Nov 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

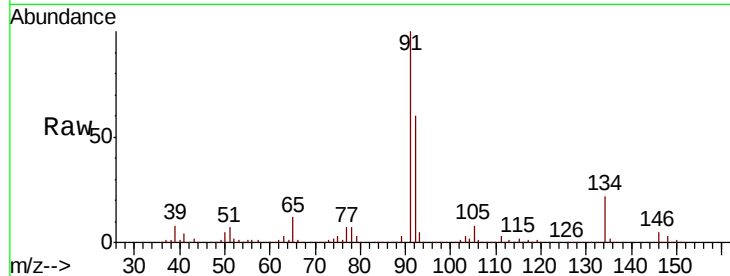
Tgt Ion: 91 Resp: 1117382

Ion Ratio Lower Upper

91 100

92 59.7 30.3 90.9

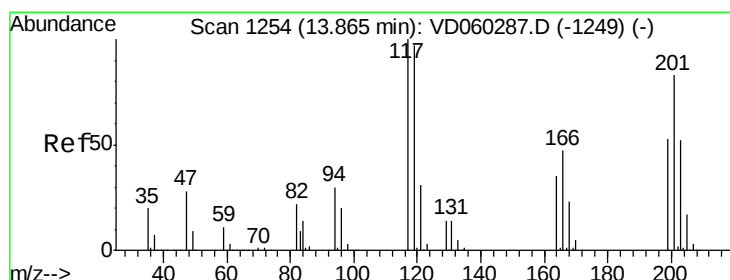
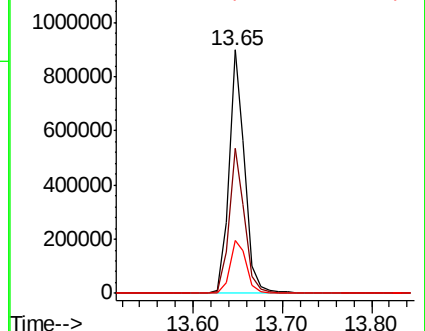
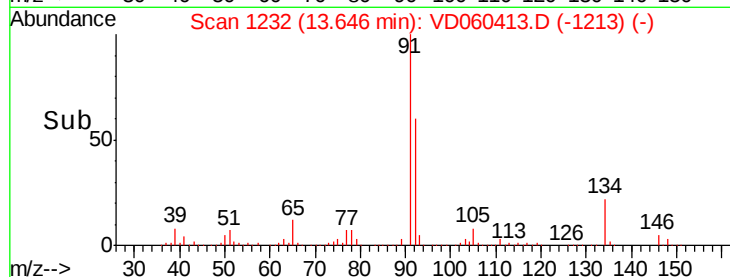
134 21.7 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.870 ug/l

RT: 13.86 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060413.D

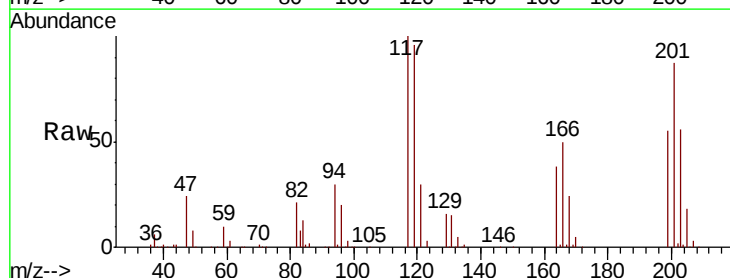
Acq: 19 Nov 2018 13:33

Tgt Ion: 117 Resp: 255003

Ion Ratio Lower Upper

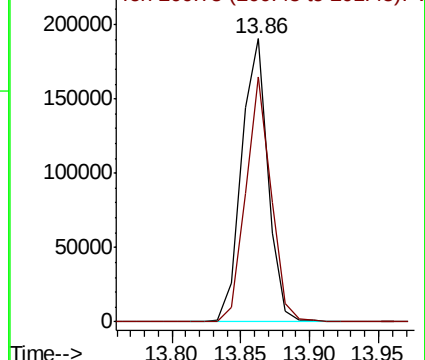
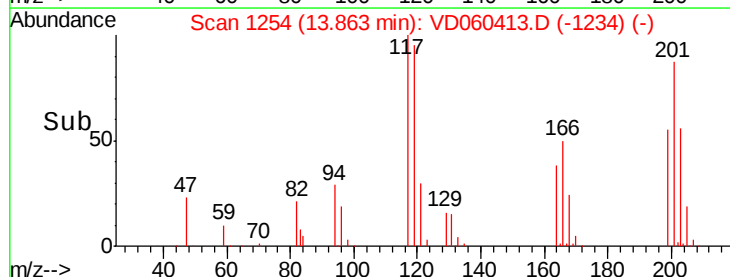
117 100

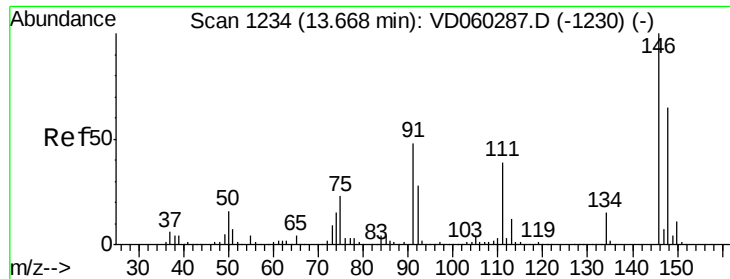
201 86.6 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

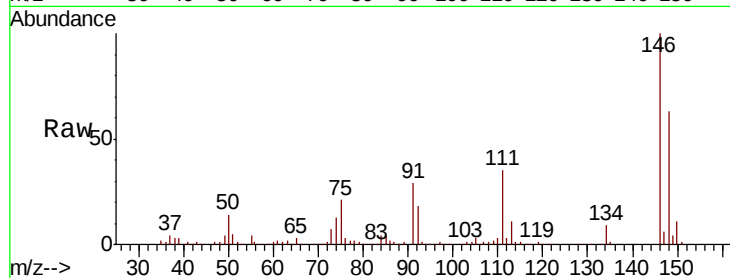




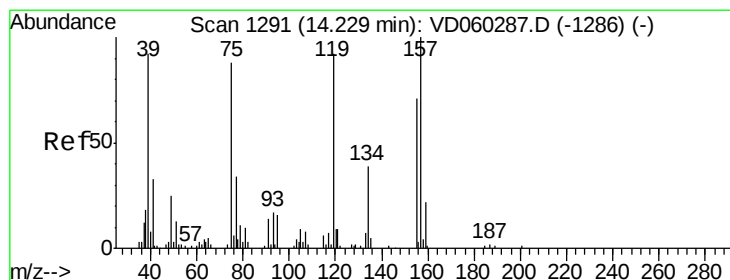
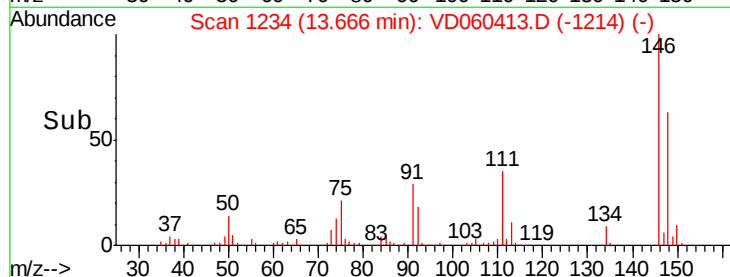
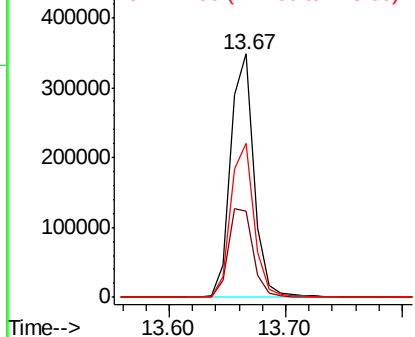
#91
 1,2-Dichlorobenzene
 Concen: 21.470 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tgt Ion:146 Resp: 480729
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.9 56.9
 148 63.1 31.6 94.8

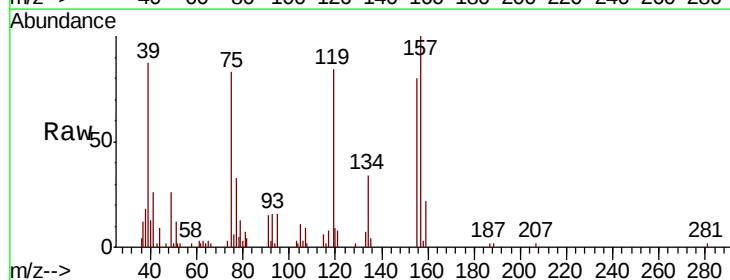


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

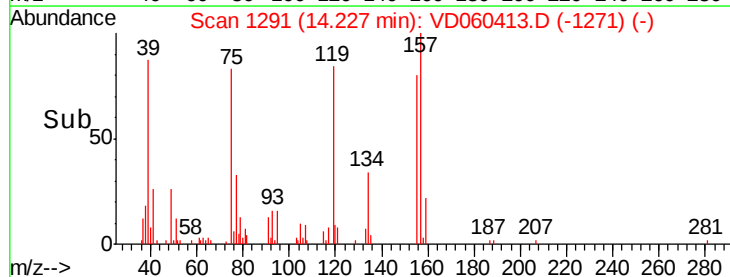
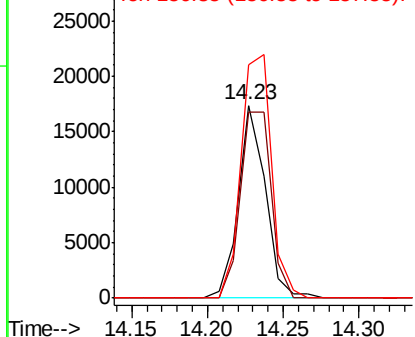


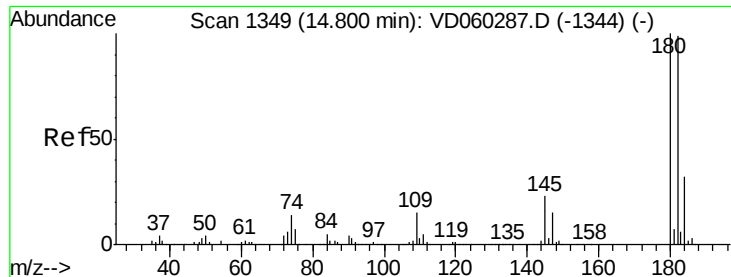
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.884 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion: 75 Resp: 21504
 Ion Ratio Lower Upper
 75 100
 155 96.4 64.3 192.9
 157 121.1 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

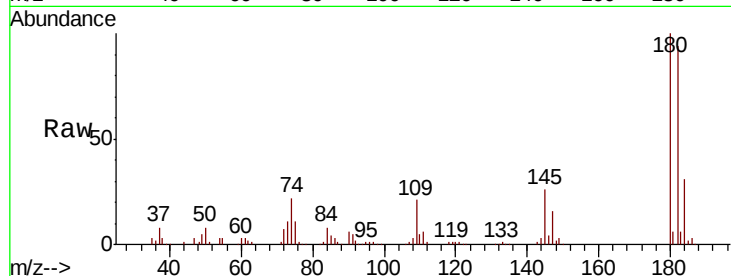




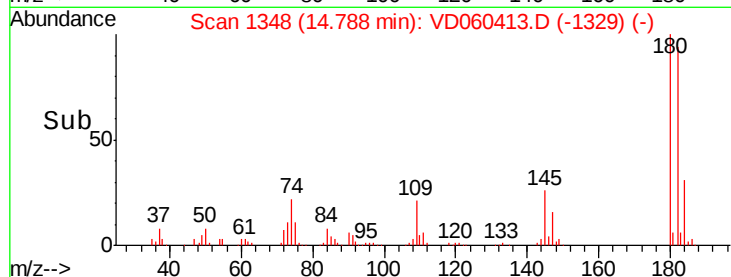
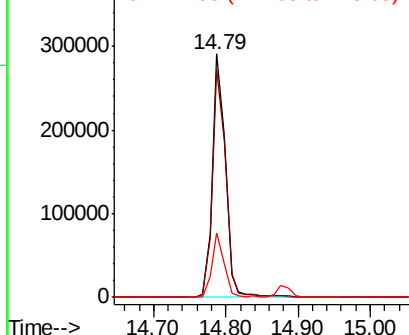
#93
 1,2,4-Trichlorobenzene
 Concen: 20.442 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tgt Ion:180 Resp: 362906
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.1 144.4
 145 26.5 11.5 34.4

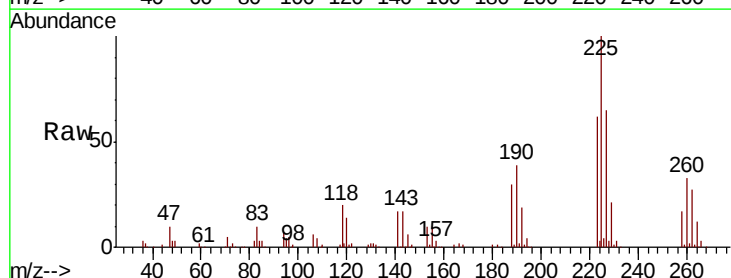


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

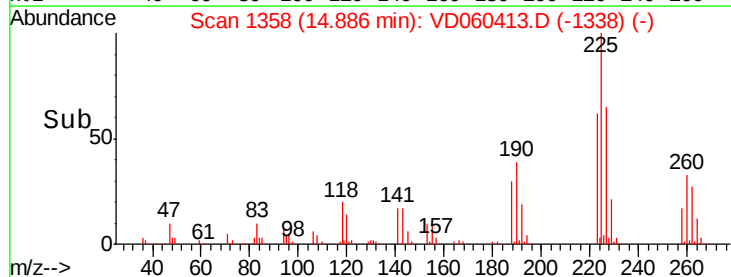
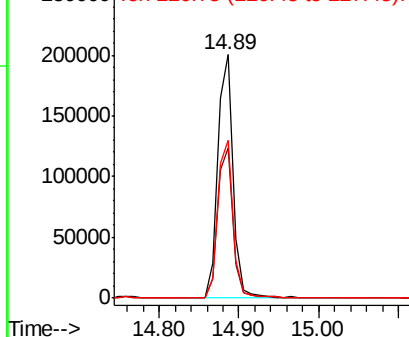


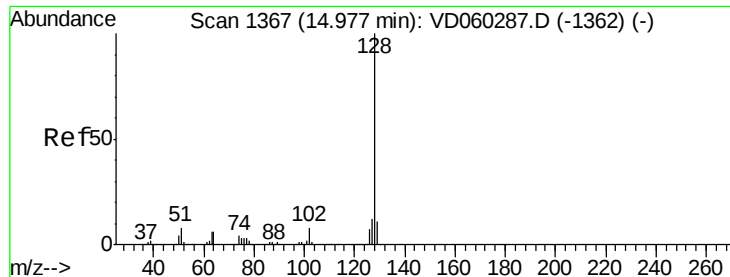
#94
 Hexachlorobutadiene
 Concen: 20.688 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060413.D
 Acq: 19 Nov 2018 13:33

Tgt Ion:225 Resp: 274711
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.6 94.8
 227 64.9 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

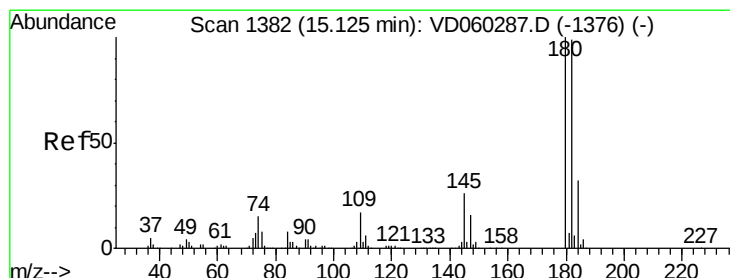
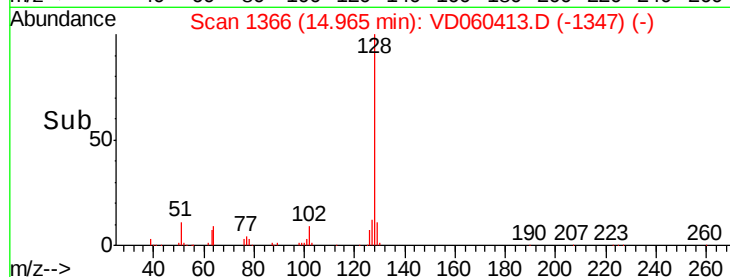
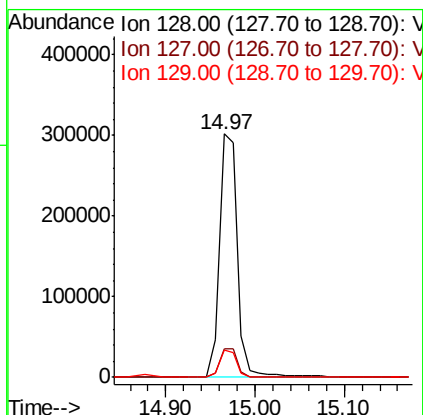
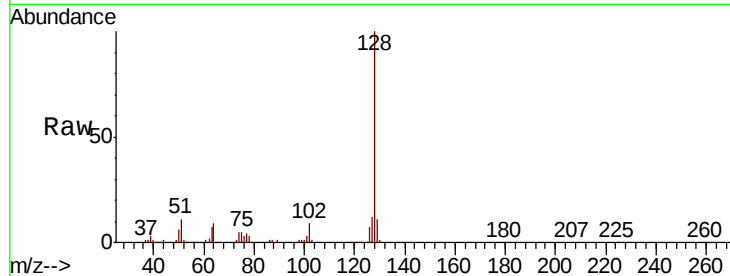




#95
Naphthalene
Concen: 19.623 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tgt Ion:128 Resp: 425386
Ion Ratio Lower Upper
128 100
127 12.0 9.6 14.4
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.699 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060413.D
Acq: 19 Nov 2018 13:33

Tgt Ion:180 Resp: 280241
Ion Ratio Lower Upper
180 100
182 93.2 48.9 146.7
145 29.5 12.9 38.6

