

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060356.D
 Acq On : 13 Nov 2018 13:09
 Operator : JC/SY
 Sample : VD1113SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBS01

Quant Time: Nov 14 12:35:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1577871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2152520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1734934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	904149	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	596724	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	6.33	113	860341	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	9.47	98	2496597	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.44	95	905139	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	311881	22.698	ug/l	98
3) Chloromethane	1.77	50	306049	20.477	ug/l	95
4) Vinyl Chloride	1.87	62	255572	20.938	ug/l	99
5) Bromomethane	2.16	94	46492	16.055	ug/l	95
6) Chloroethane	2.27	64	71891	17.751	ug/l	96
7) Trichlorofluoromethane	2.52	101	300917	20.911	ug/l	99
8) Diethyl Ether	2.84	74	56057	21.515	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.10	101	200726	21.207	ug/l	99
10) Methyl Iodide	3.25	142	242760	19.747	ug/l	95
11) Tert butyl alcohol	3.99	59	42469	91.542	ug/l	94
12) 1,1-Dichloroethene	3.09	96	160515	20.849	ug/l	92
13) Acrolein	3.00	56	48245	88.009	ug/l	100
14) Allyl chloride	3.55	41	301149	20.443	ug/l	99
15) Acrylonitrile	4.10	53	279473	103.303	ug/l	98
16) Acetone	3.18	43	205084	104.649	ug/l	97
17) Carbon Disulfide	3.32	76	501824	20.194	ug/l	99
18) Methyl Acetate	3.57	43	77449	18.535	ug/l	97
19) Methyl tert-butyl Ether	4.14	73	478317	20.748	ug/l	99
20) Methylene Chloride	3.74	84	408561	23.502	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	350908	20.527	ug/l	98
22) Diisopropyl ether	4.87	45	1153146	20.952	ug/l	94
23) Vinyl Acetate	4.82	43	2874547	104.967	ug/l	99
24) 1,1-Dichloroethane	4.77	63	583408	20.672	ug/l	99
25) 2-Butanone	5.64	43	446111	109.518	ug/l	97
26) 2,2-Dichloropropane	5.61	77	462129	21.062	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	364688	20.478	ug/l	92
28) Bromochloromethane	5.94	49	252444	20.272	ug/l	91
29) Tetrahydrofuran	5.97	42	222473	103.591	ug/l	99
30) Chloroform	6.12	83	605943	21.477	ug/l	100
31) Cyclohexane	6.38	56	550321	20.401	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	485560	20.431	ug/l	99
36) 1,1-Dichloropropene	6.54	75	454744	21.384	ug/l	98
37) Ethyl Acetate	5.71	43	203607	20.807	ug/l	98
38) Carbon Tetrachloride	6.51	117	408400	20.703	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	513919	21.011	ug/l	98
40) Benzene	6.81	78	1189051	21.904	ug/l	99
41) Methacrylonitrile	5.96	41	236551	21.120	ug/l	96
42) 1,2-Dichloroethane	6.91	62	306393	21.564	ug/l	99
43) Isopropyl Acetate	8.36	43	256333	20.853	ug/l #	99
44) Trichloroethene	7.75	130	358710	21.799	ug/l	95
45) 1,2-Dichloropropane	8.12	63	297940	21.763	ug/l	100
46) Dibromomethane	8.23	93	169437	21.131	ug/l	94
47) Bromodichloromethane	8.51	83	401989	21.275	ug/l	99
48) Methyl methacrylate	8.26	41	156823	21.004	ug/l	97
49) 1,4-Dioxane	8.24	88	27322	422.926	ug/l	93
51) 4-Methyl-2-Pentanone	9.36	43	842250	105.275	ug/l	99
52) Toluene	9.56	92	733017	21.139	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	342889	21.478	ug/l	97
54) cis-1,3-Dichloropropene	9.12	75	442968	21.633	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	217772	21.668	ug/l	96
56) Ethyl methacrylate	10.04	69	192856	20.870	ug/l	98
57) 1,3-Dichloropropane	10.40	76	325203	21.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	598264	107.074	ug/l	99
59) 2-Hexanone	10.50	43	619917	108.715	ug/l	99
60) Dibromochloromethane	10.65	129	266188	21.788	ug/l	97
61) 1,2-Dibromoethane	10.77	107	209854	20.840	ug/l	98
64) Tetrachloroethene	10.26	164	324818	20.972	ug/l	99
65) Chlorobenzene	11.32	112	790724	21.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	276565	22.486	ug/l	95
67) Ethyl Benzene	11.44	91	1447302	22.507	ug/l	99
68) m/p-Xylenes	11.58	106	1034486	43.610	ug/l	100
69) o-Xylene	11.94	106	483120	21.082	ug/l	98
70) Styrene	11.96	104	780770	21.082	ug/l	97
71) Bromoform	12.12	173	166274	20.118	ug/l #	96
73) Isopropylbenzene	12.29	105	1352920	20.538	ug/l	98
74) N-amyl acetate	12.14	43	326769	19.348	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	221497	20.560	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	228332	21.111	ug/l	100
77) Bromobenzene	12.55	156	368390	21.053	ug/l	90
78) n-propylbenzene	12.64	91	1787908	21.745	ug/l	96
79) 2-Chlorotoluene	12.71	91	957011	21.251	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	1088689	21.266	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	60426	19.624	ug/l	95
82) 4-Chlorotoluene	12.82	91	1108593	21.915	ug/l	93
83) tert-Butylbenzene	13.06	119	1213882	21.357	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1077040	21.066	ug/l	97
85) sec-Butylbenzene	13.23	105	1436649	20.602	ug/l	95
86) p-Isopropyltoluene	13.35	119	1148027	20.444	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	675147	21.687	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	658766	21.667	ug/l	97
89) n-Butylbenzene	13.66	91	1244446	20.166	ug/l	97
90) Hexachloroethane	13.86	117	275731	20.707	ug/l	85
91) 1,2-Dichlorobenzene	13.67	146	562696	22.006	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25822	19.856	ug/l	87

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

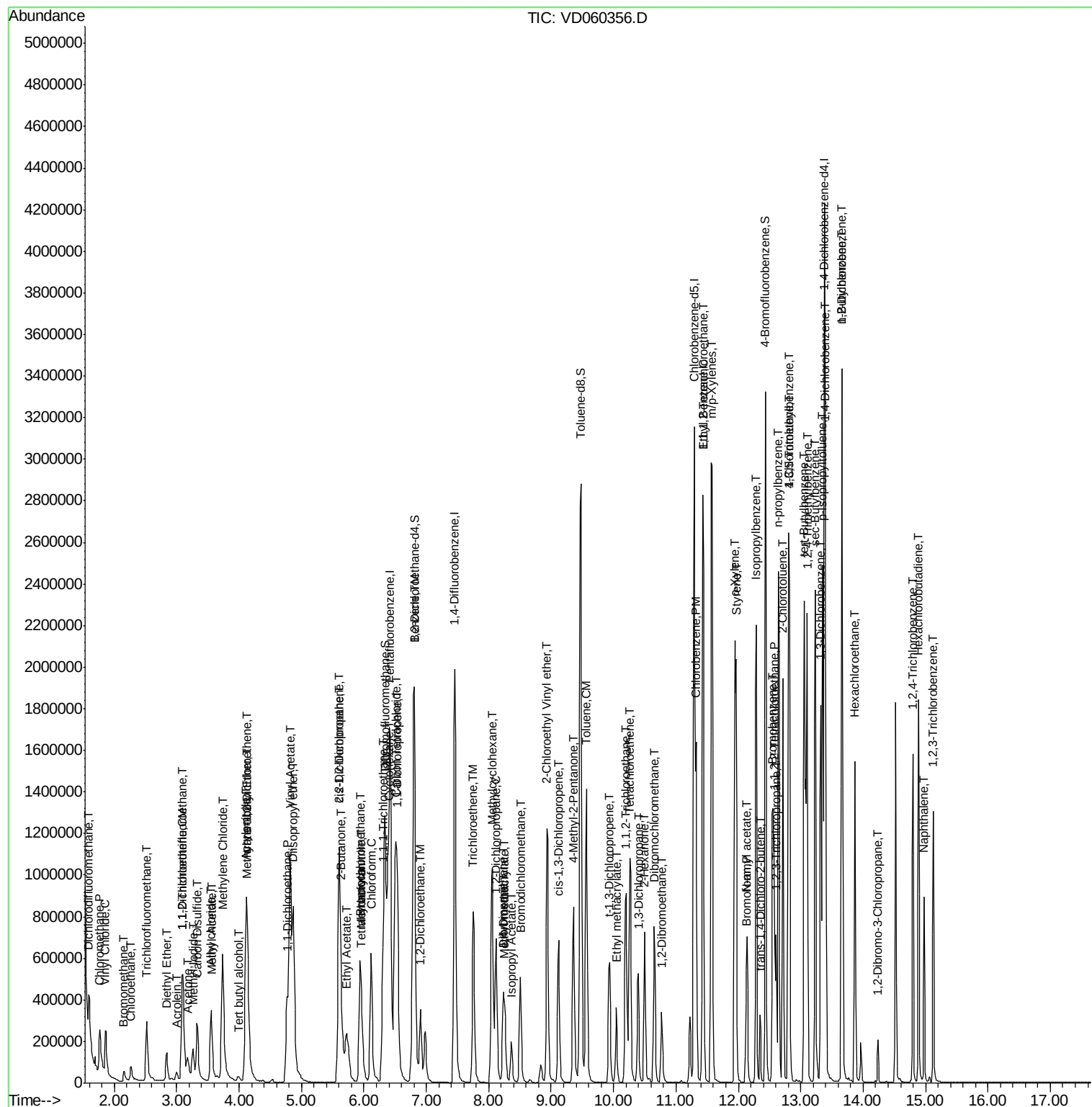
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	422580	20.844	ug/l	98
94) Hexachlorobutadiene	14.89	225	313855	20.697	ug/l	99
95) Naphthalene	14.97	128	496558	20.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	330399	20.337	ug/l	99

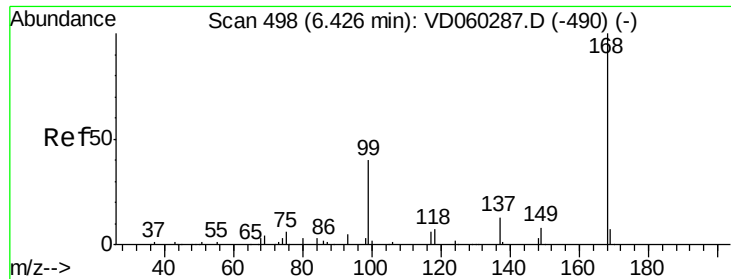
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

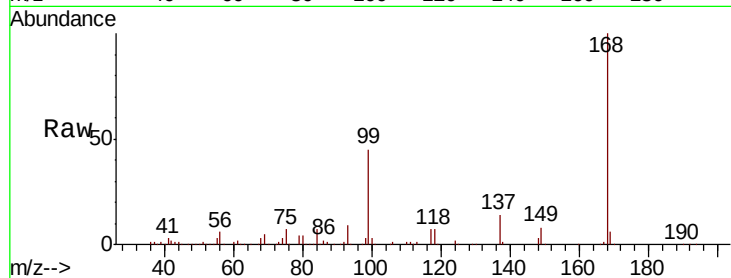
VD1113SBSD01

Tot Ion:168 Resp: 1577871

Ion Ratio Lower Upper

168 100

99 45.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.42

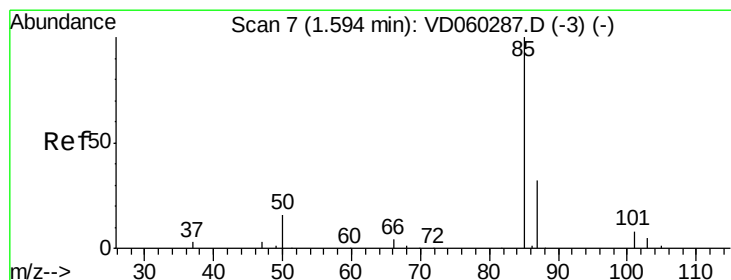
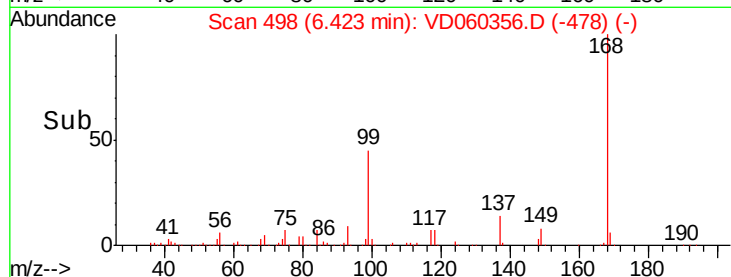
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.698 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060356.D

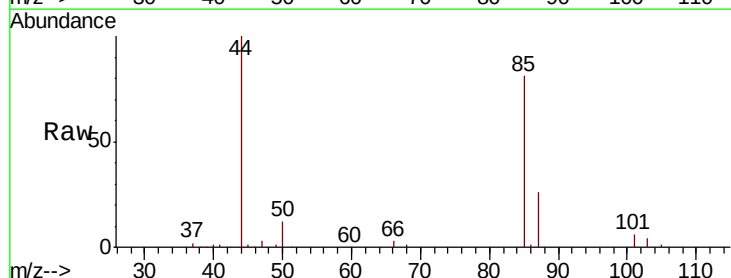
Acq: 13 Nov 2018 13:09

Tgt Ion: 85 Resp: 311881

Ion Ratio Lower Upper

85 100

87 32.4 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.60

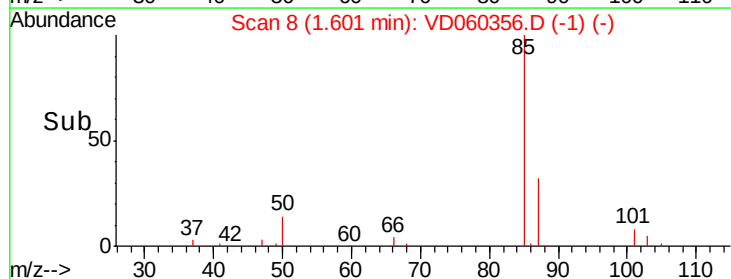
150000

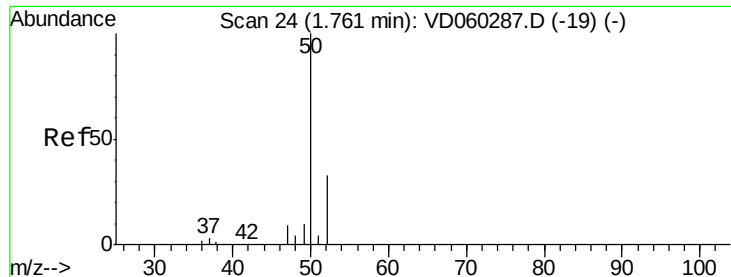
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.477 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

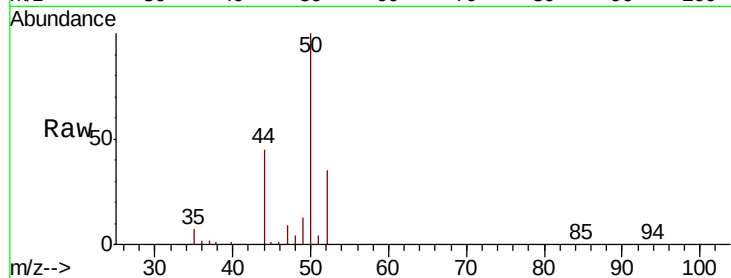
VD1113SBSD01

Tot Ion: 50 Resp: 306049

Ion Ratio Lower Upper

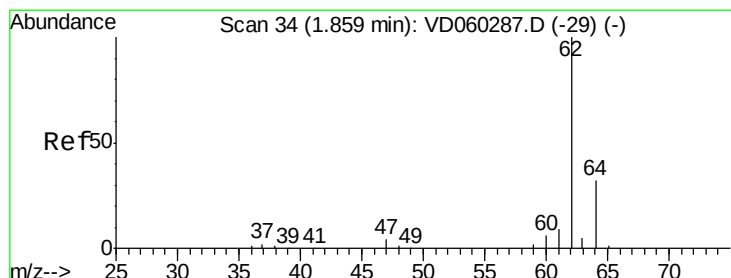
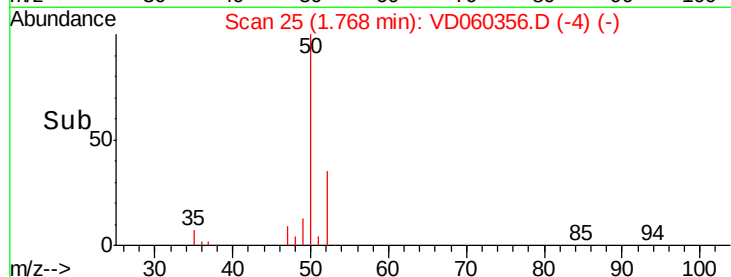
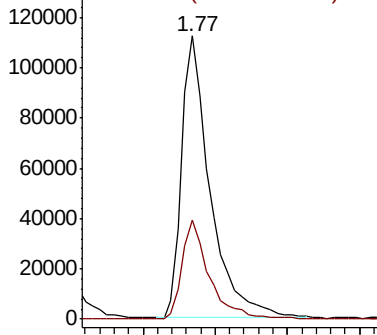
50 100

52 35.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.938 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060356.D

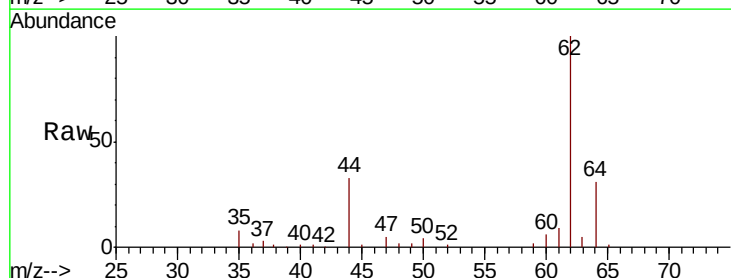
Acq: 13 Nov 2018 13:09

Tgt Ion: 62 Resp: 255572

Ion Ratio Lower Upper

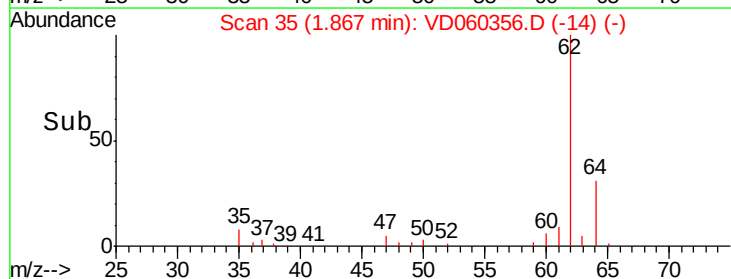
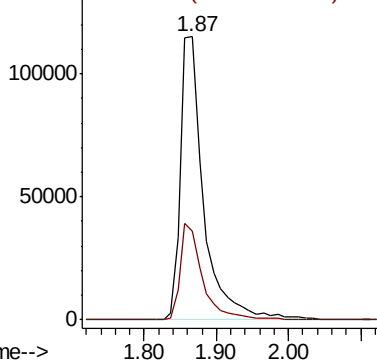
62 100

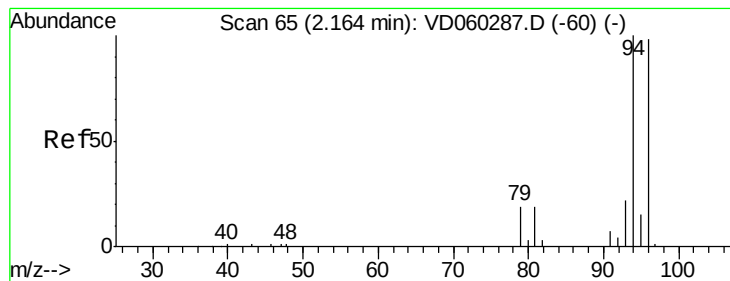
64 31.5 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.055 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

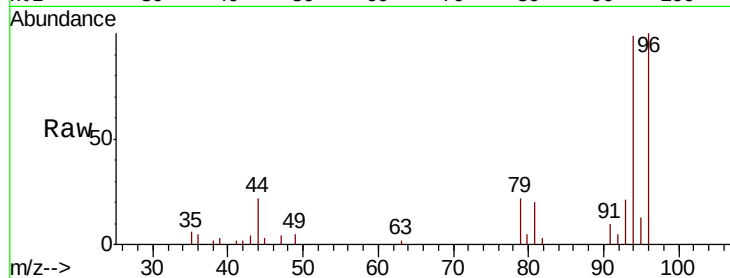
VD1113SBS01

Tot Ion: 94 Resp: 46492

Ion Ratio Lower Upper

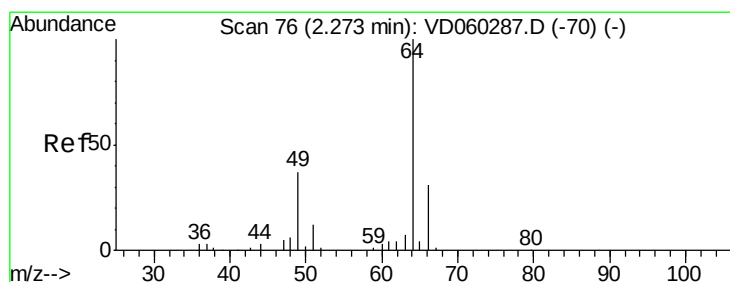
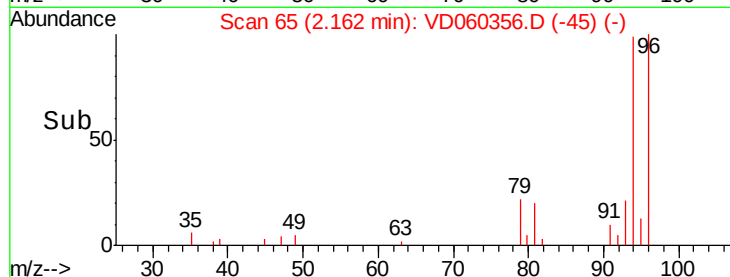
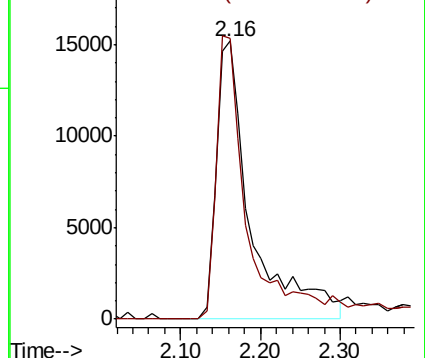
94 100

96 100.8 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: 17.751 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060356.D

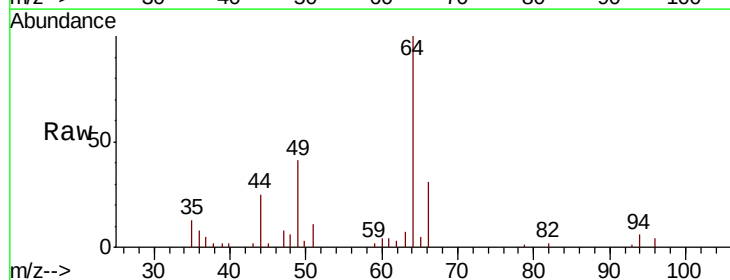
Acq: 13 Nov 2018 13:09

Tgt Ion: 64 Resp: 71891

Ion Ratio Lower Upper

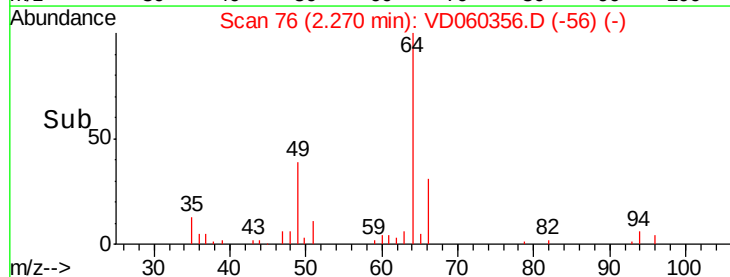
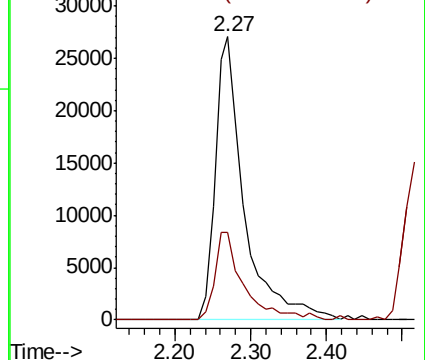
64 100

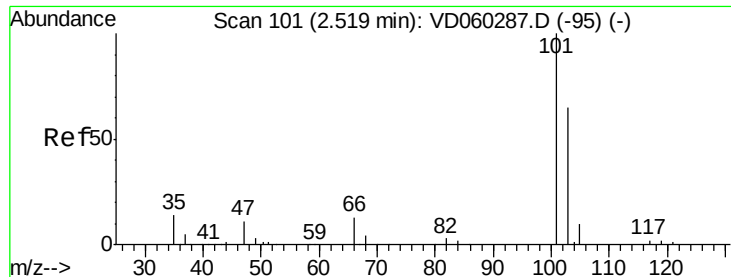
66 31.0 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



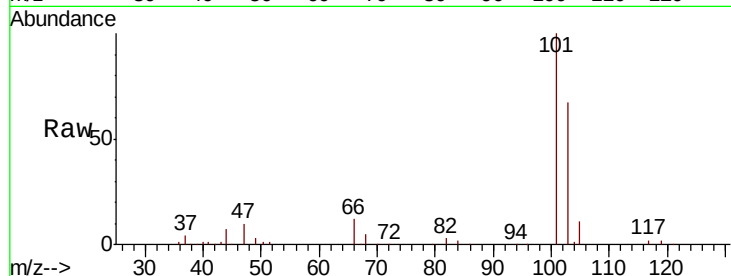


#7

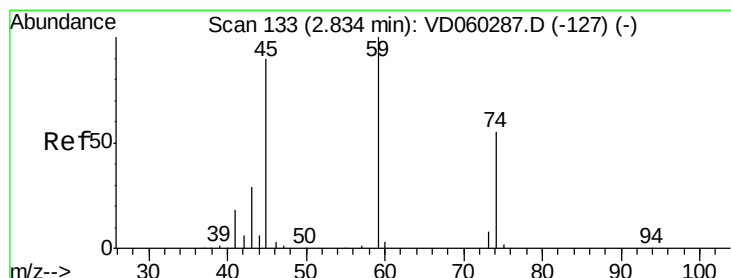
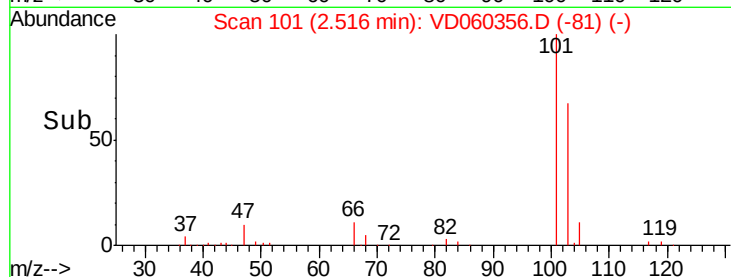
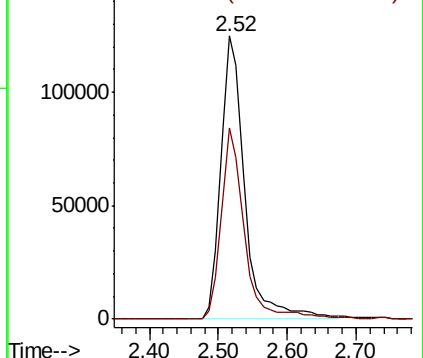
Trichlorofluoromethane
 Concen: 20.911 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

Tot Ion:101 Resp: 300917
 Ion Ratio Lower Upper
 101 100
 103 67.5 53.6 80.4



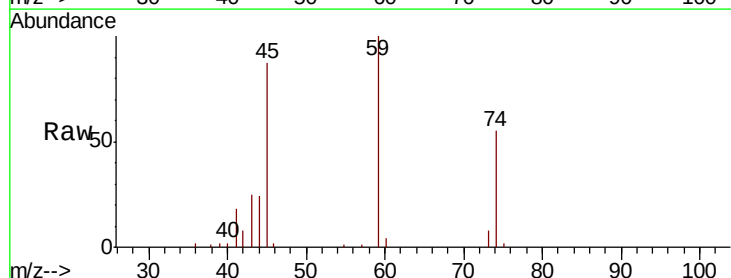
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



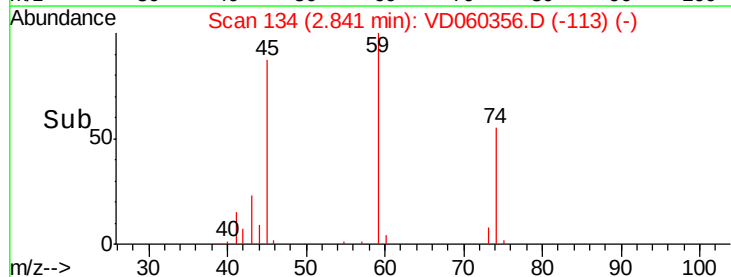
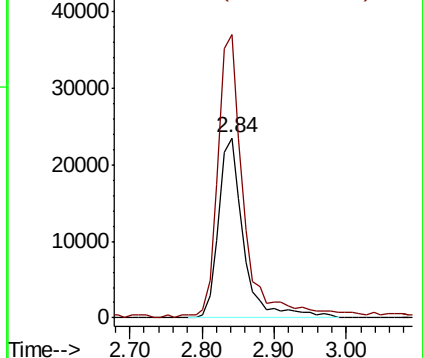
#8

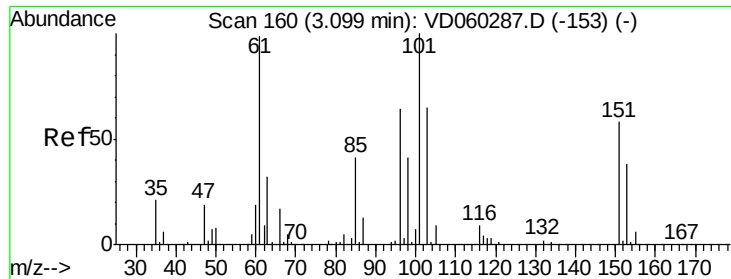
Diethyl Ether
 Concen: 21.515 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion: 74 Resp: 56057
 Ion Ratio Lower Upper
 74 100
 45 157.5 84.8 254.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.207 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBSD01

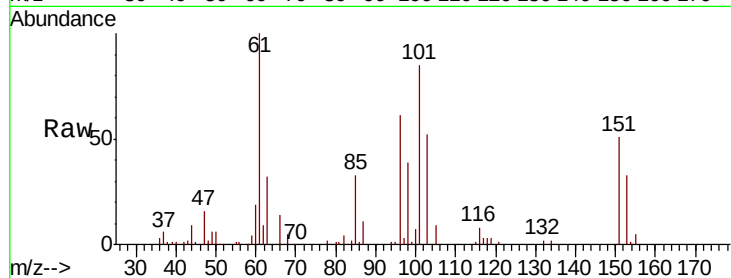
Tot Ion:101 Resp: 200726

Ion Ratio Lower Upper

101 100

85 39.0 31.4 47.0

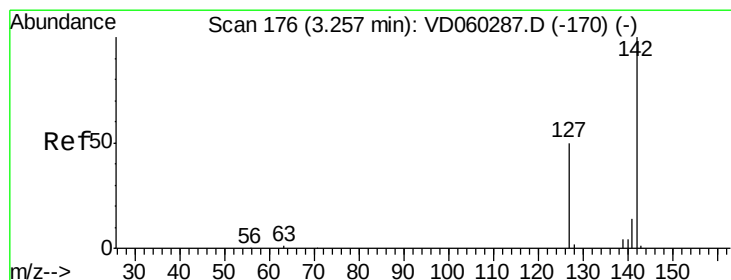
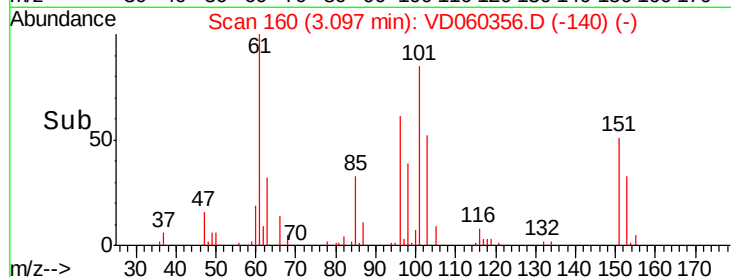
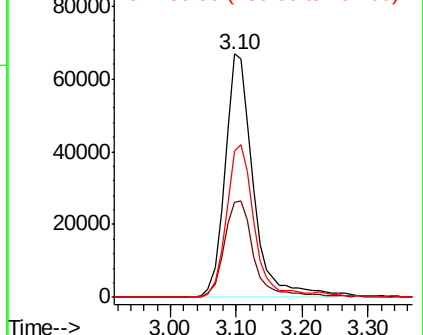
151 60.2 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.747 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

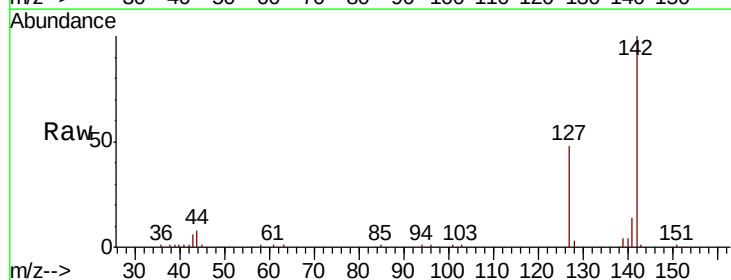
Tgt Ion:142 Resp: 242760

Ion Ratio Lower Upper

142 100

127 47.8 41.0 61.6

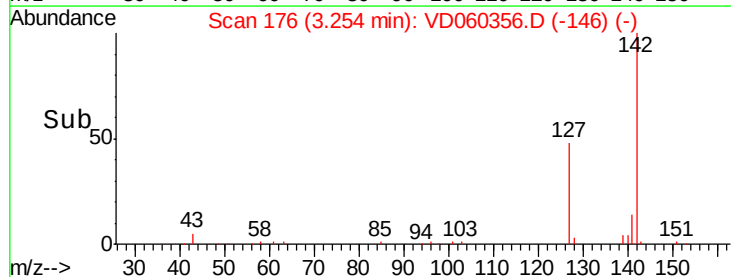
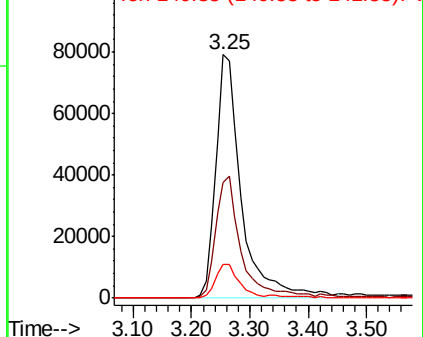
141 13.6 11.9 17.9

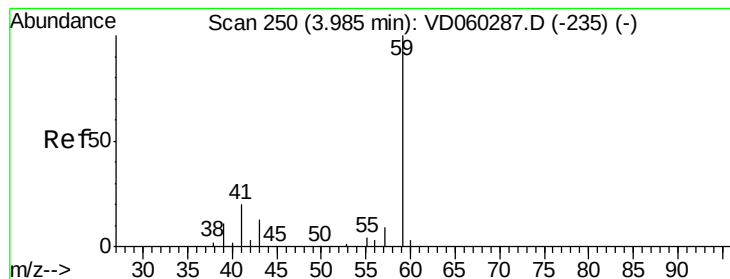


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



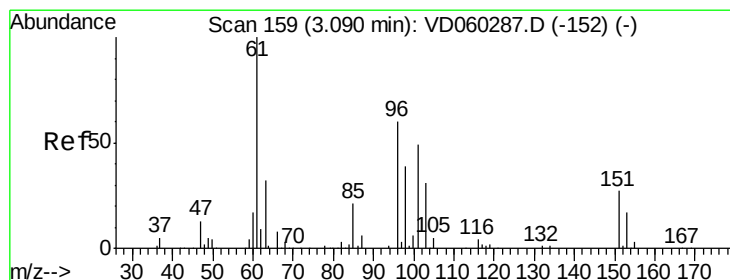
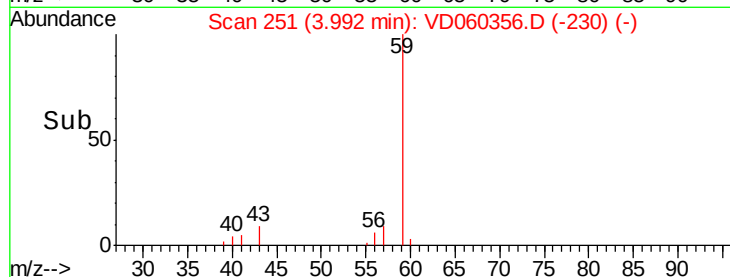
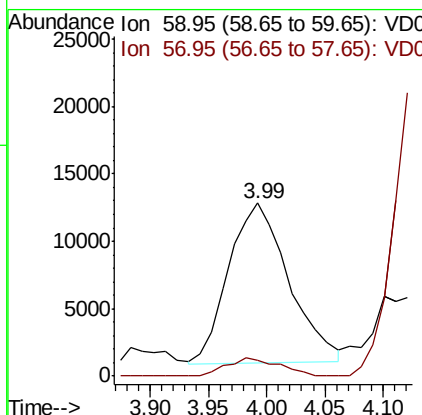
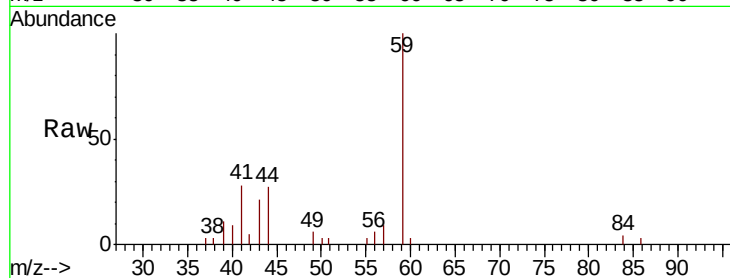


#11

Tert butyl alcohol
 Concen: 91.542 ug/l
 RT: 3.99 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBS01

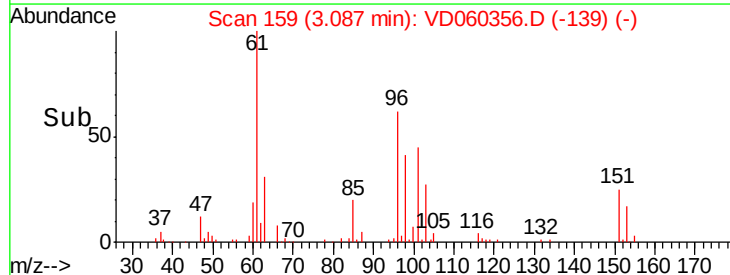
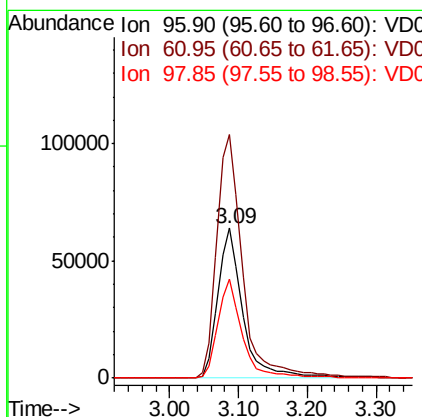
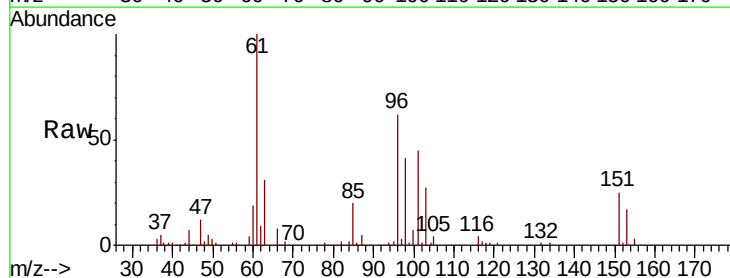
Tot Ion: 59 Resp: 42469
 Ion Ratio Lower Upper
 59 100
 57 9.3 9.3 13.9

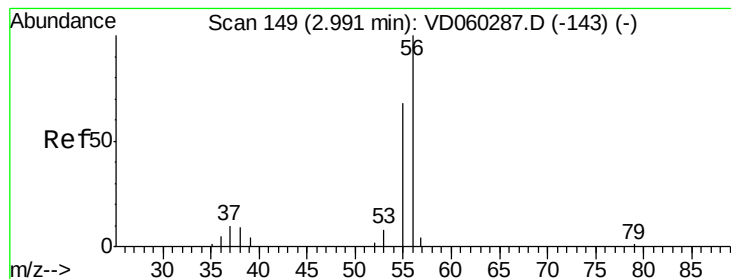


#12

1,1-Dichloroethene
 Concen: 20.849 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion: 96 Resp: 160515
 Ion Ratio Lower Upper
 96 100
 61 162.5 142.2 213.4
 98 66.2 52.6 79.0





#13

Acrolein

Concen: 88.009 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

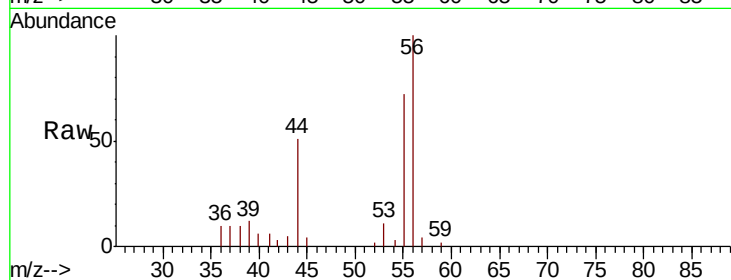
VD1113SBS01

Tot Ion: 56 Resp: 48245

Ion Ratio Lower Upper

56 100

55 71.5 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

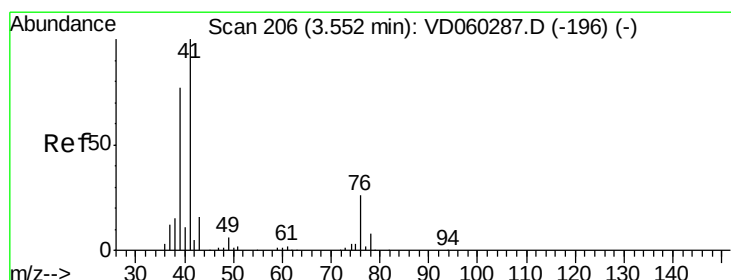
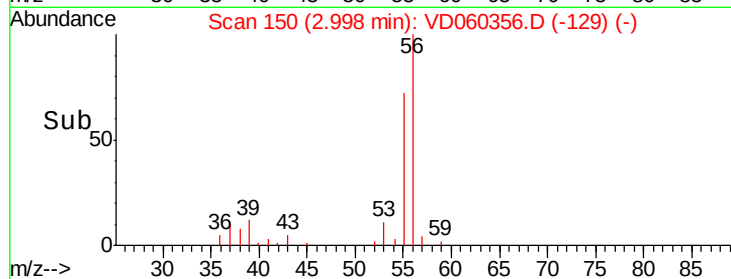
5000

0

Time-->

2.90 3.00 3.10 3.20

3.00



#14

Allyl chloride

Concen: 20.443 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

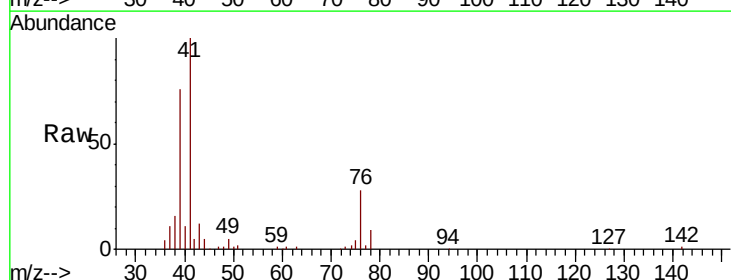
Tgt Ion: 41 Resp: 301149

Ion Ratio Lower Upper

41 100

39 76.0 60.4 90.6

76 28.5 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

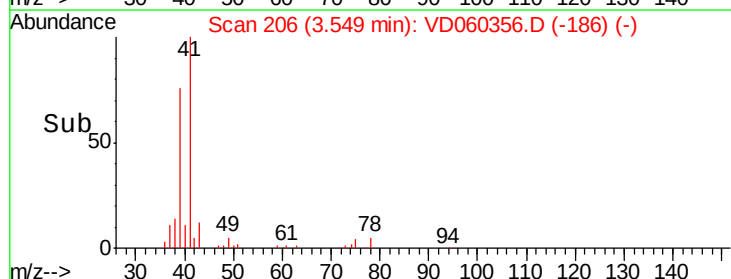
50000

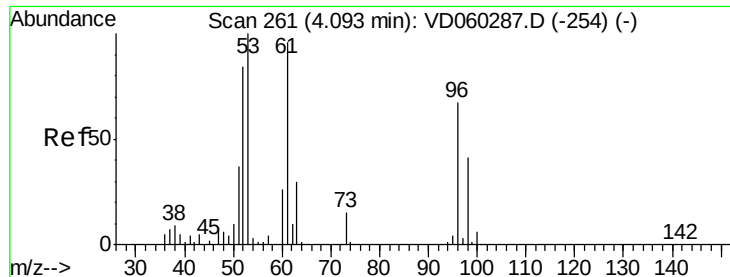
0

Time-->

3.40 3.50 3.60

3.55





#15

Acrylonitrile

Concen: 103.303 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBSD01

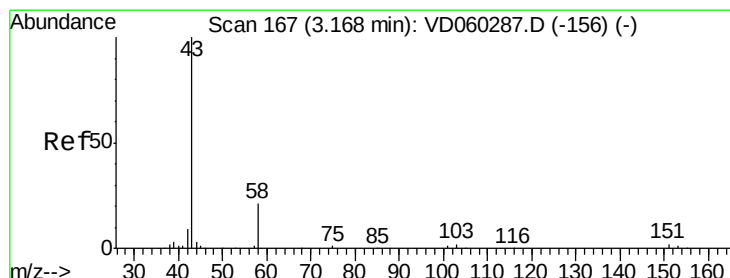
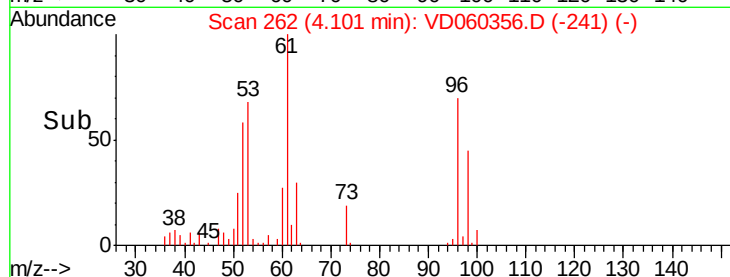
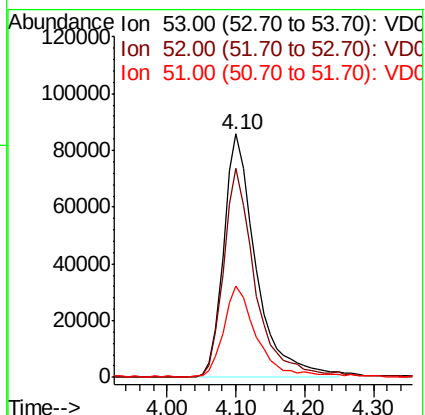
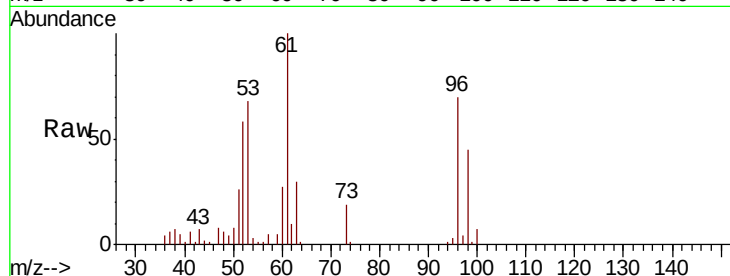
Tot Ion: 53 Resp: 279473

Ion Ratio Lower Upper

53 100

52 85.8 67.0 100.4

51 37.7 29.9 44.9



#16

Acetone

Concen: 104.649 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060356.D

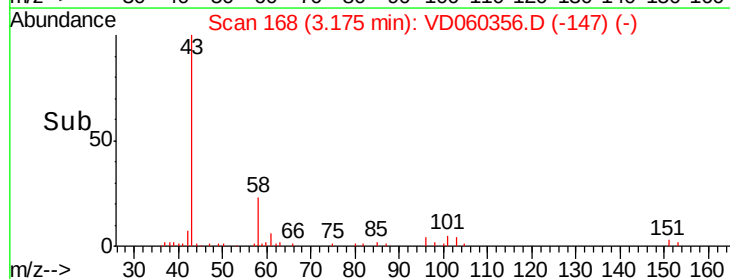
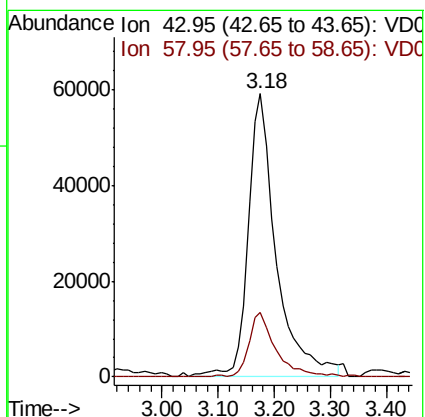
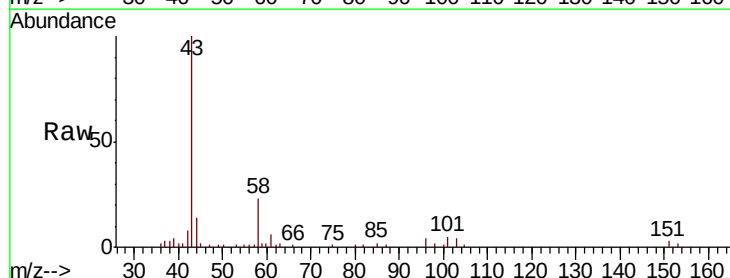
Acq: 13 Nov 2018 13:09

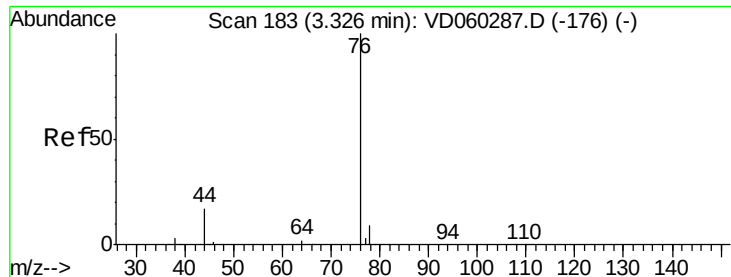
Tgt Ion: 43 Resp: 205084

Ion Ratio Lower Upper

43 100

58 22.7 16.9 25.3





#17

Carbon Disulfide

Concen: 20.194 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

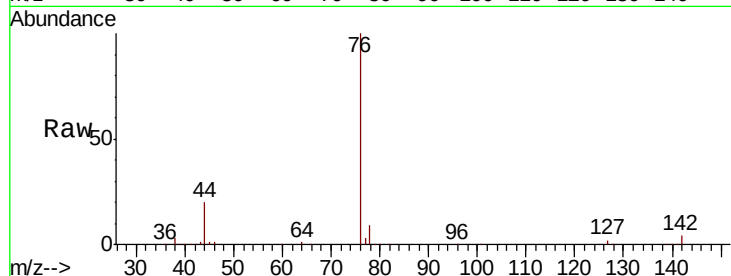
VD1113SBSD01

Tot Ion: 76 Resp: 501824

Ion Ratio Lower Upper

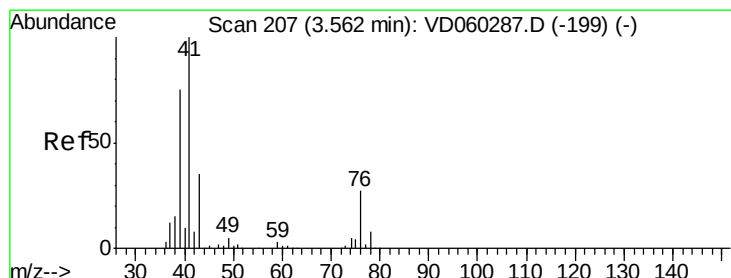
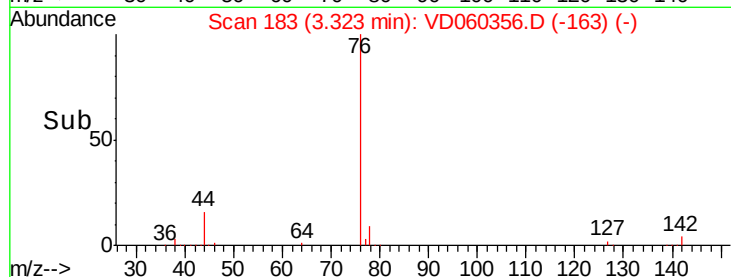
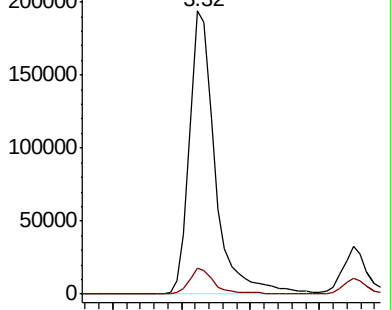
76 100

78 9.2 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.535 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060356.D

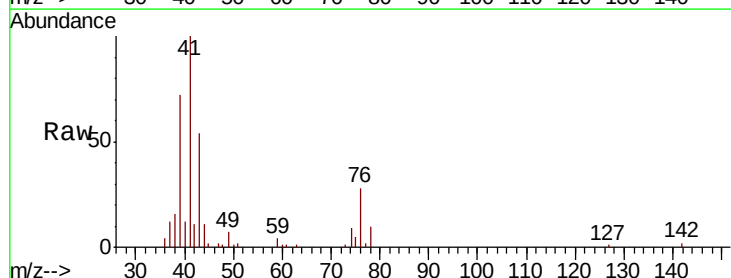
Acq: 13 Nov 2018 13:09

Tgt Ion: 43 Resp: 77449

Ion Ratio Lower Upper

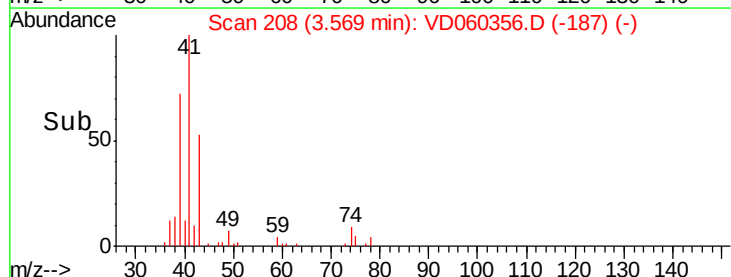
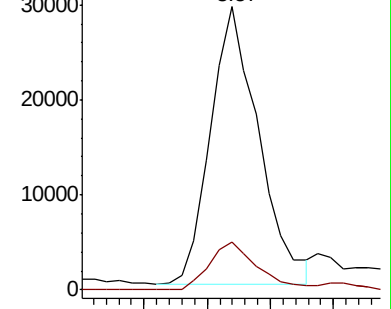
43 100

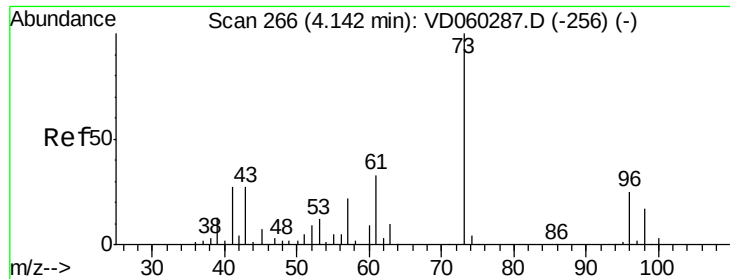
74 16.7 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

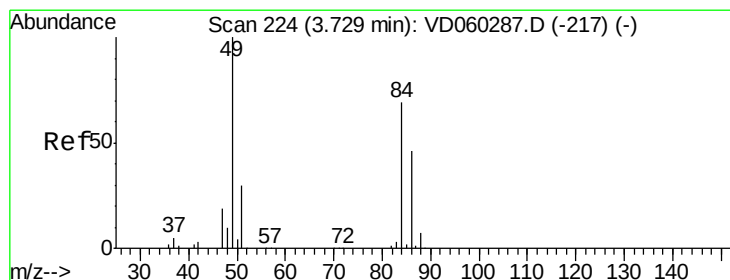
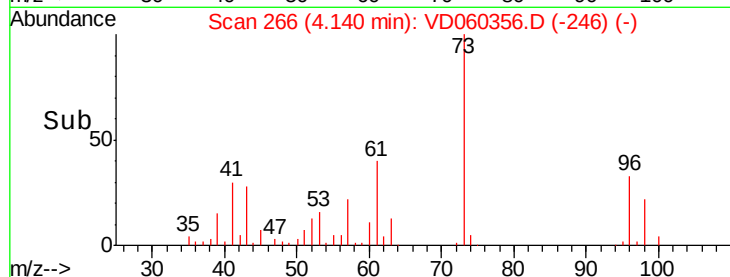
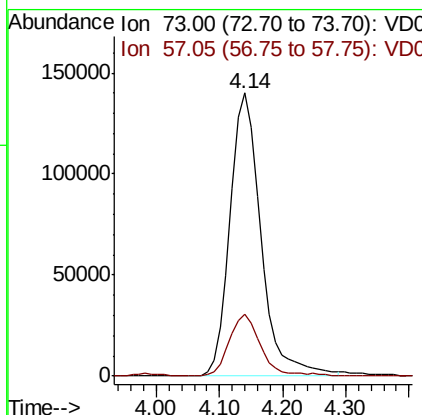
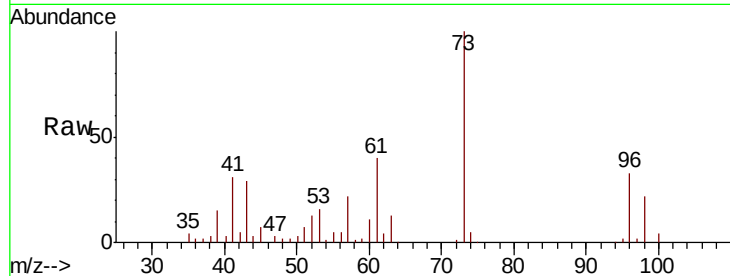




#19
Methyl tert-butyl Ether
Concen: 20.748 ug/l
RT: 4.14 min Scan# 266
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

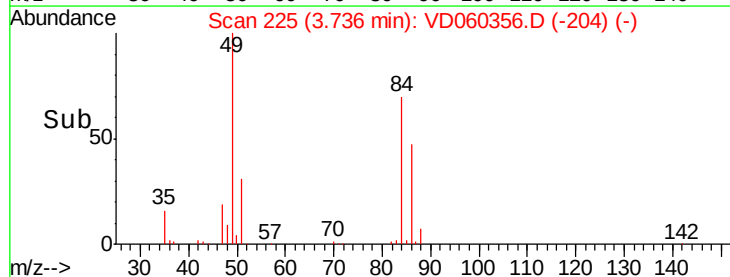
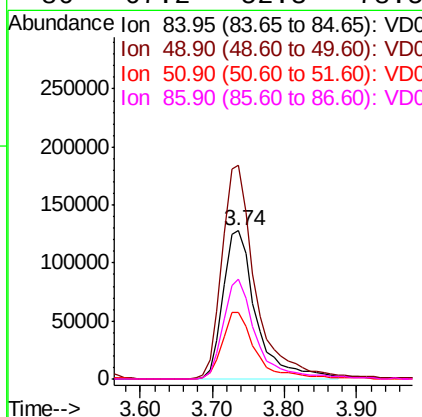
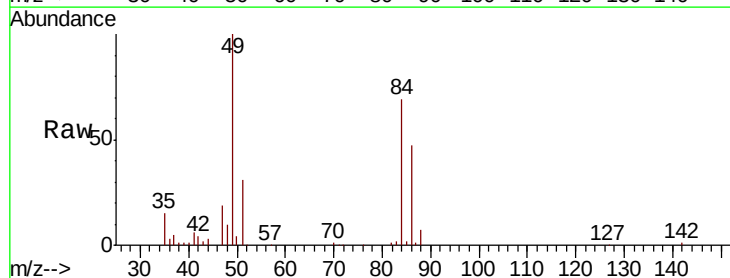
Instrument :
MSVOA_D
ClientSampleId :
VD1113SBS01

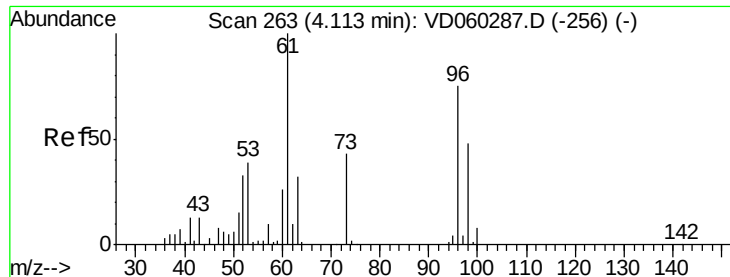
Tot Ion: 73 Resp: 478317
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 23.502 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion: 84 Resp: 408561
Ion Ratio Lower Upper
84 100
49 144.2 115.6 173.4
51 44.8 35.6 53.4
86 67.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.527 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBSD01

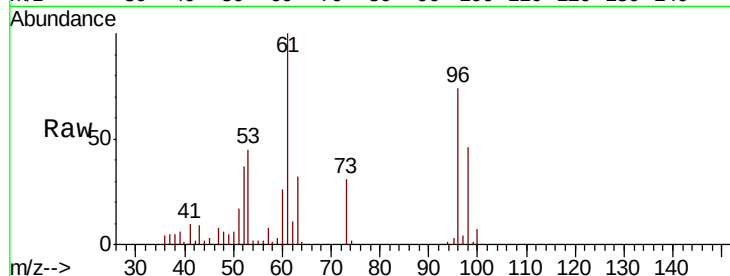
Tot Ion: 96 Resp: 350908

Ion Ratio Lower Upper

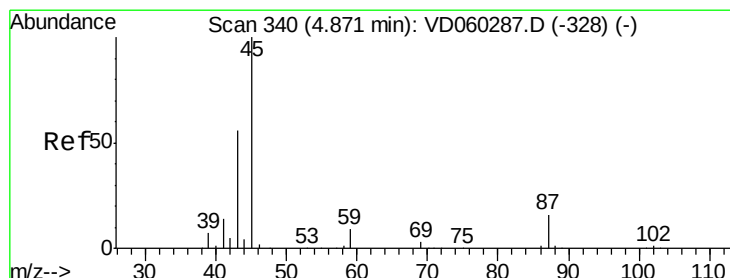
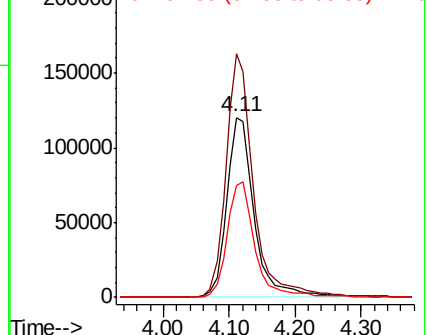
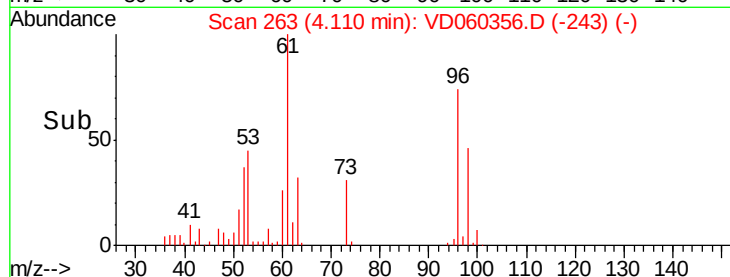
96 100

61 135.6 105.8 158.6

98 62.5 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: 20.952 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Tgt Ion: 45 Resp: 1153146

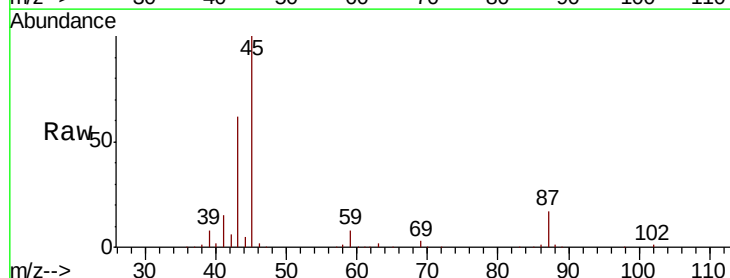
Ion Ratio Lower Upper

45 100

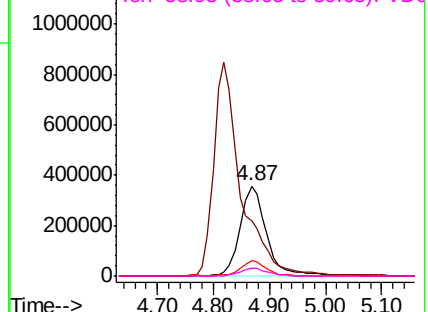
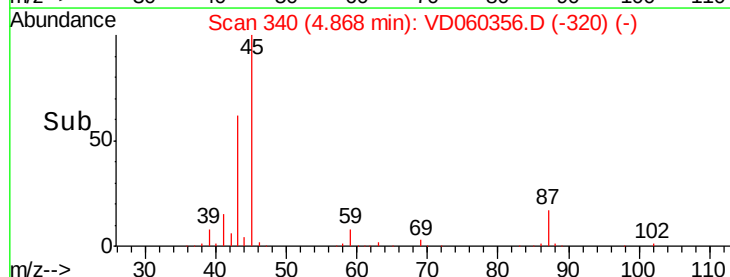
43 61.9 44.9 67.3

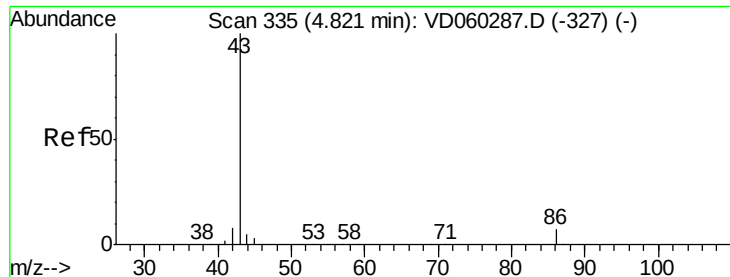
87 17.3 13.9 20.9

59 8.4 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: 104.967 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

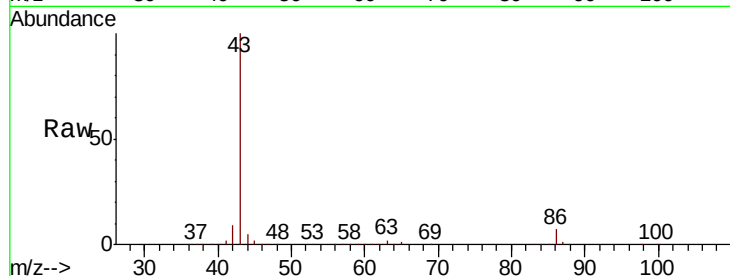
VD1113SBS01

Tot Ion: 43 Resp: 2874547

Ion Ratio Lower Upper

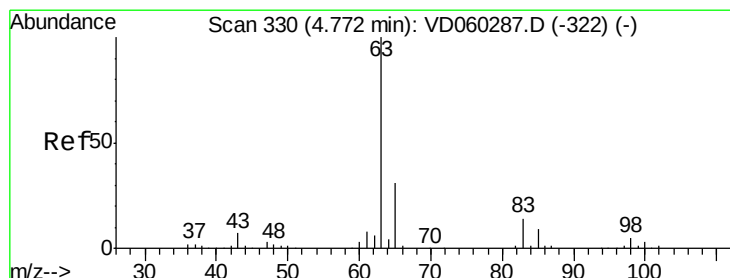
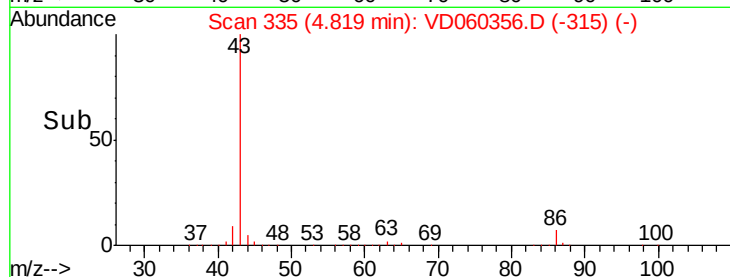
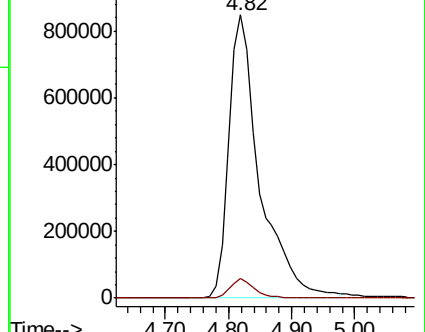
43 100

86 6.7 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060356.D (-315) (-)

Ion 86.00 (85.70 to 86.70): VD060356.D (-315) (-)



#24

1,1-Dichloroethane

Concen: 20.672 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

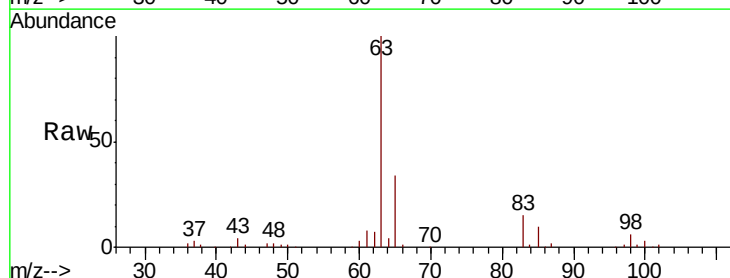
Tgt Ion: 63 Resp: 583408

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

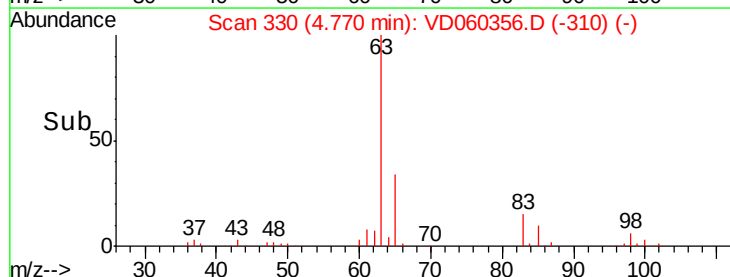
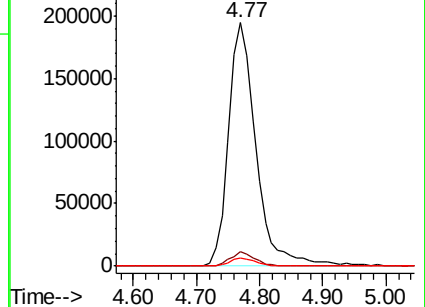
100 3.5 1.8 5.5

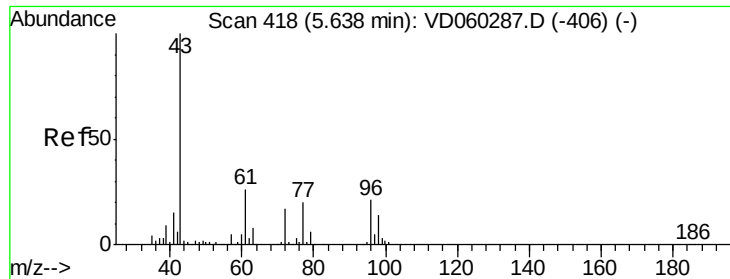


Abundance Ion 62.95 (62.65 to 63.65): VD060356.D (-310) (-)

Ion 97.95 (97.65 to 98.65): VD060356.D (-310) (-)

Ion 99.95 (99.65 to 100.65): VD060356.D (-310) (-)





#25

2-Butanone

Concen: 109.518 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

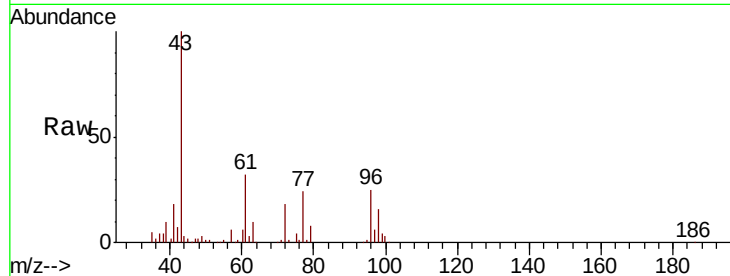
VD1113SBS01

Tot Ion: 43 Resp: 446111

Ion Ratio Lower Upper

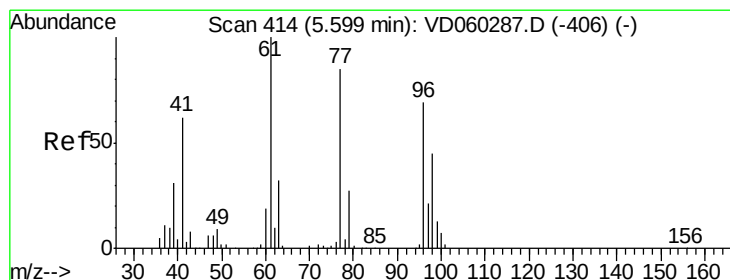
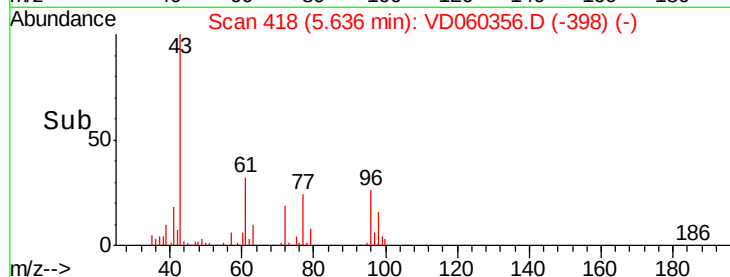
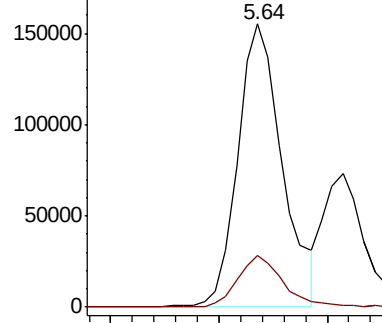
43 100

72 18.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.062 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060356.D

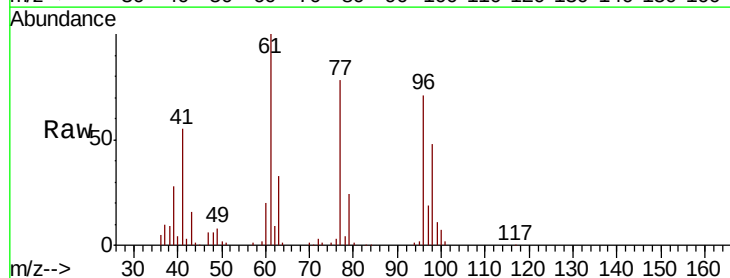
Acq: 13 Nov 2018 13:09

Tgt Ion: 77 Resp: 462129

Ion Ratio Lower Upper

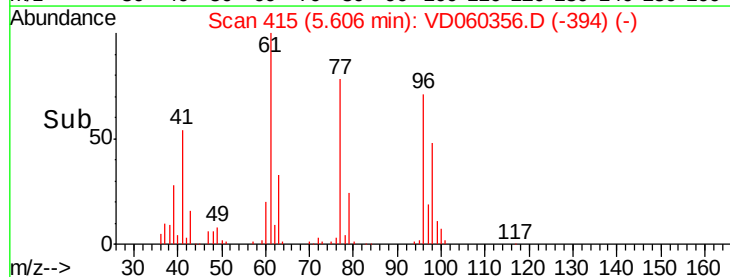
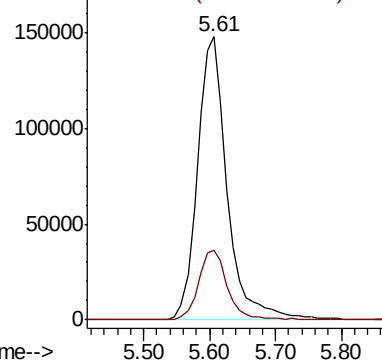
77 100

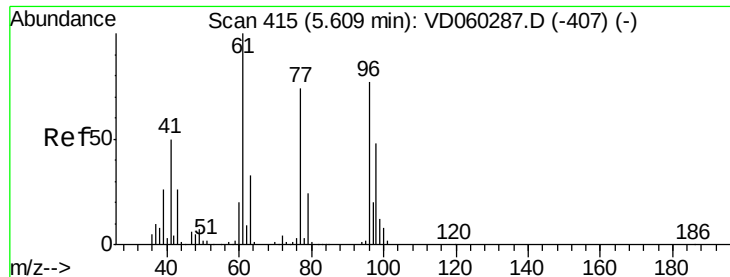
97 24.7 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



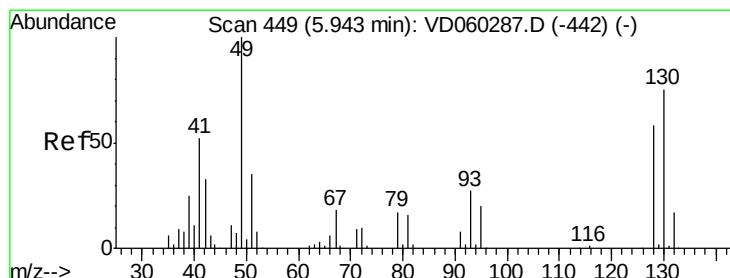
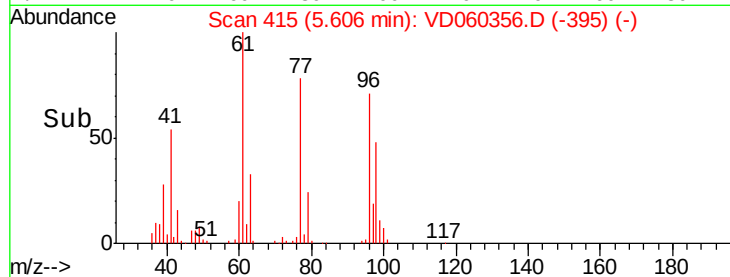
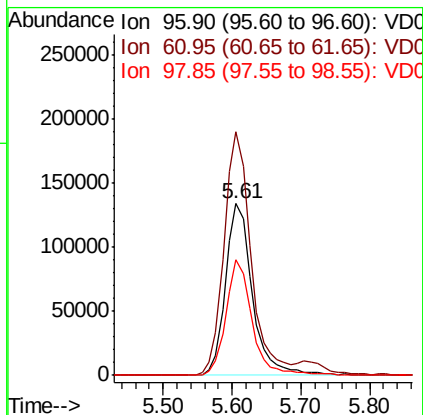
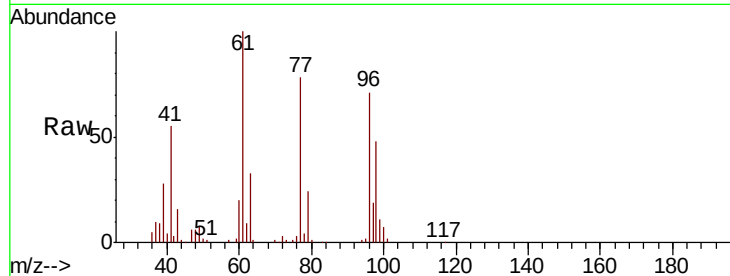


#27

cis-1,2-Dichloroethene
 Concen: 20.478 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBS01

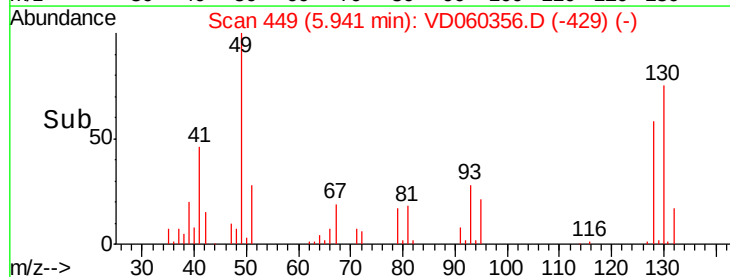
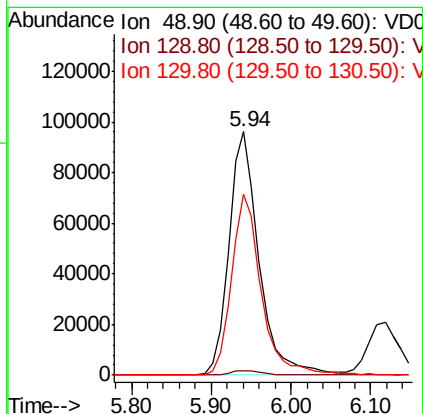
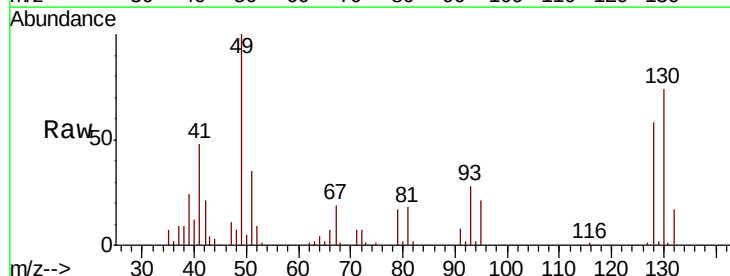
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	259.0
98	67.3	0.0	128.8

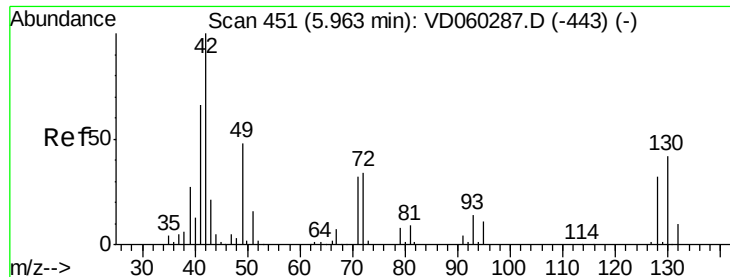


#28

Bromochloromethane
 Concen: 20.272 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.8
130	74.3	53.6	80.4





#29

Tetrahydrofuran

Concen: 103.591 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBS01

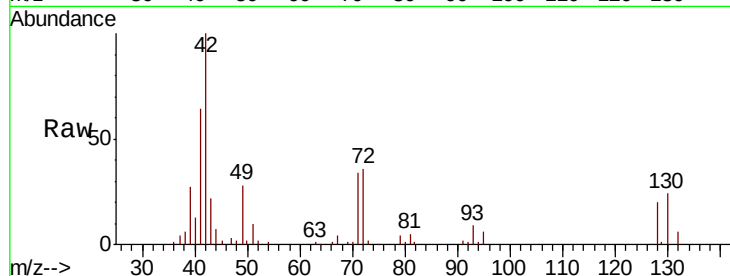
Tot Ion: 42 Resp: 222473

Ion Ratio Lower Upper

42 100

72 34.0 27.6 41.4

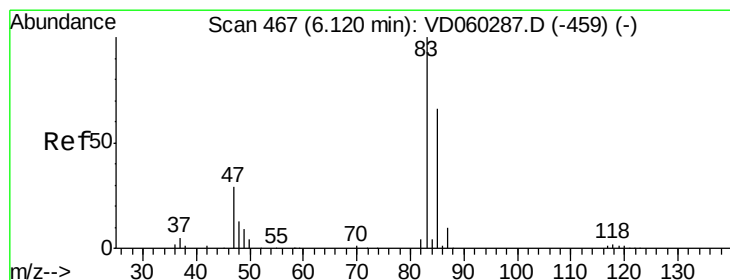
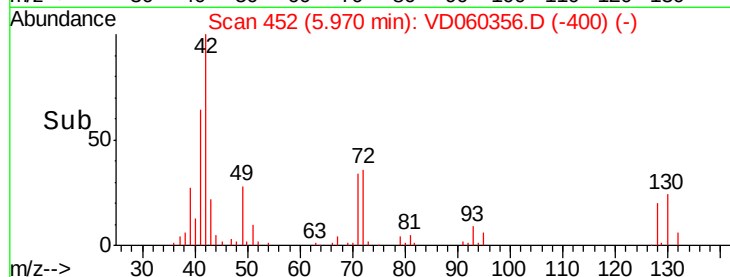
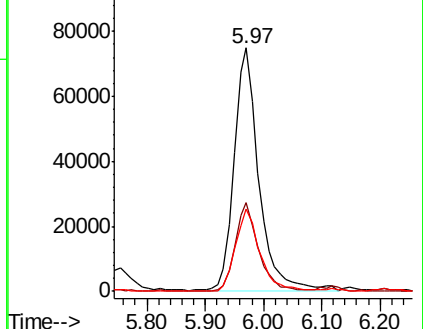
71 33.4 26.5 39.7



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.477 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060356.D

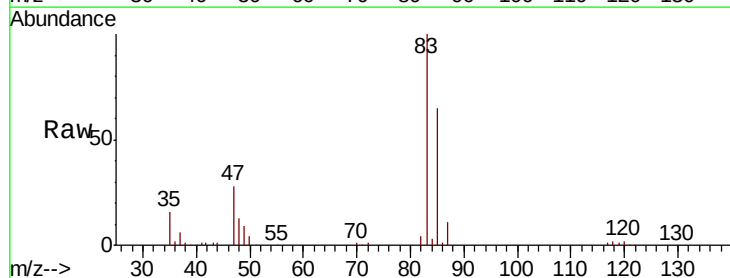
Acq: 13 Nov 2018 13:09

Tgt Ion: 83 Resp: 605943

Ion Ratio Lower Upper

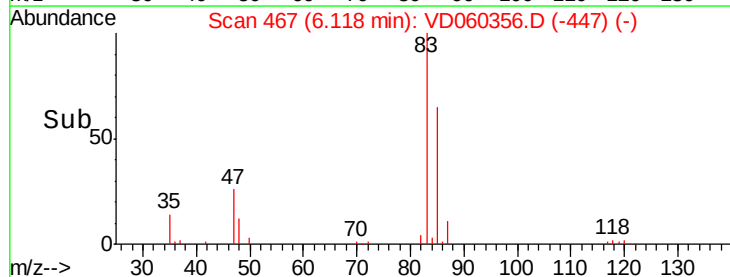
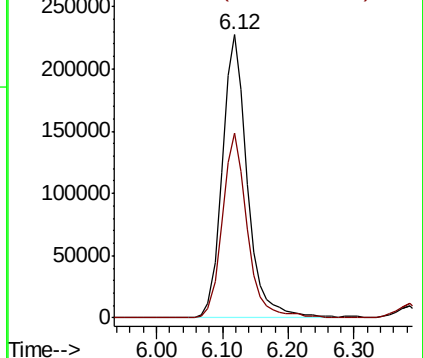
83 100

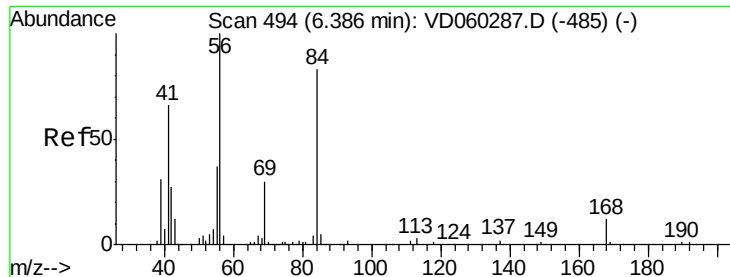
85 65.5 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 20.401 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBS01

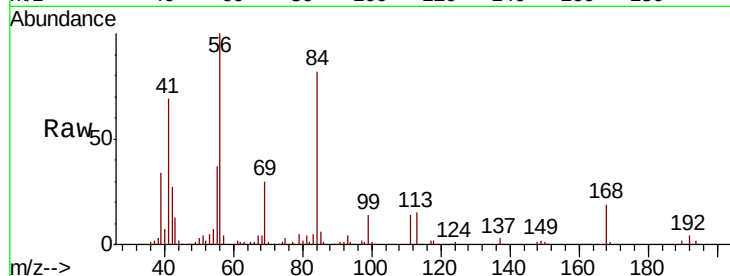
Tot Ion: 56 Resp: 550321

Ion Ratio Lower Upper

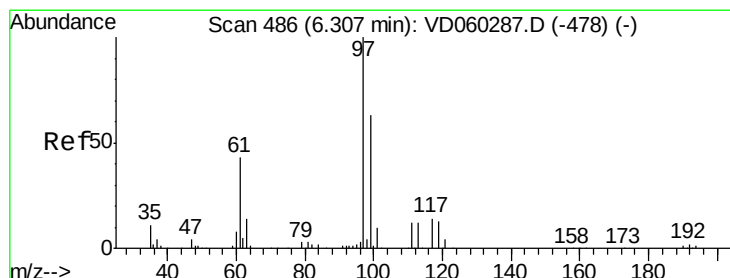
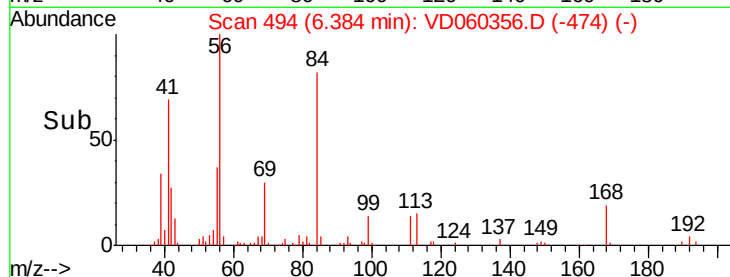
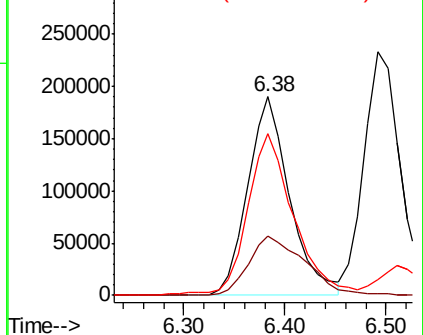
56 100

69 29.7 22.2 33.2

84 81.5 63.0 94.4



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



#32

1,1,1-Trichloroethane

Concen: 20.431 ug/l

RT: 6.30 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

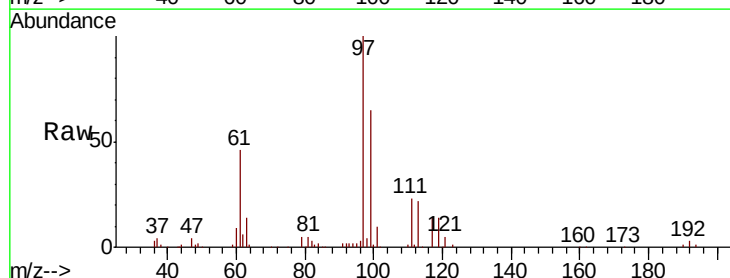
Tgt Ion: 97 Resp: 485560

Ion Ratio Lower Upper

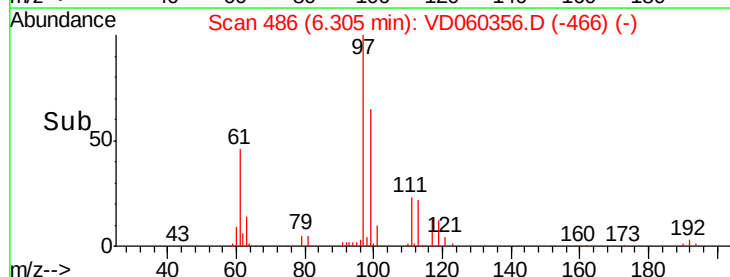
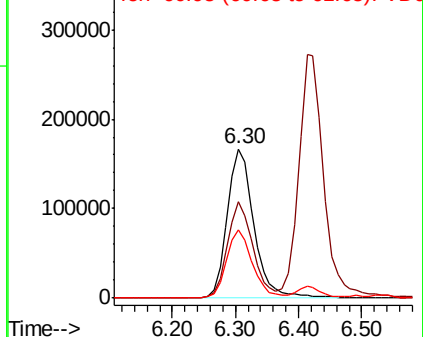
97 100

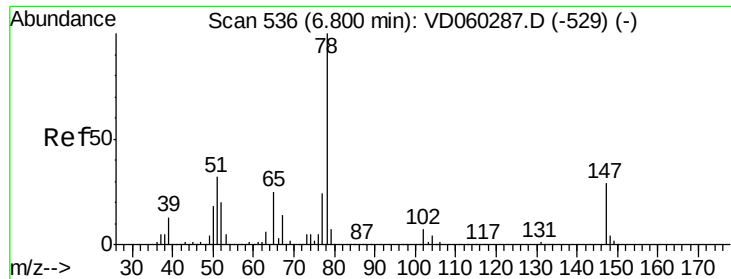
99 64.8 51.5 77.3

61 45.6 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 20.431 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

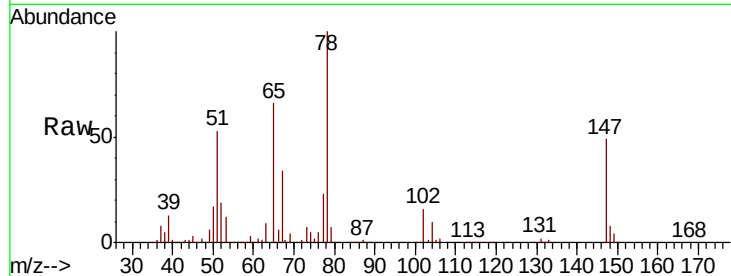
VD1113SBS01

Tot Ion: 65 Resp: 596724

Ion Ratio Lower Upper

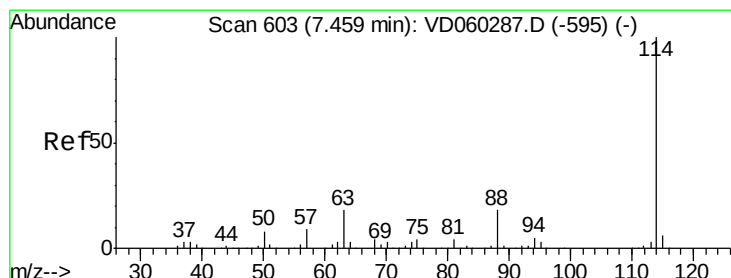
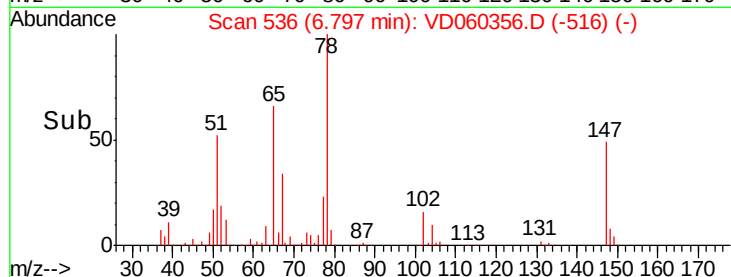
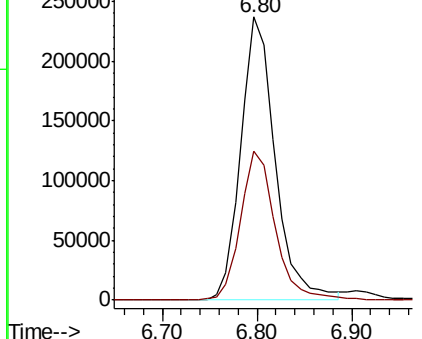
65 100

67 52.5 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: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

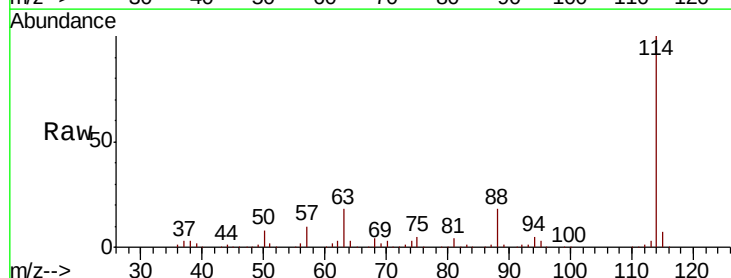
Tgt Ion: 114 Resp: 2152520

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

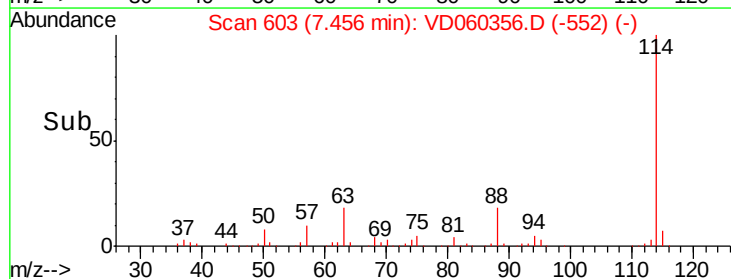
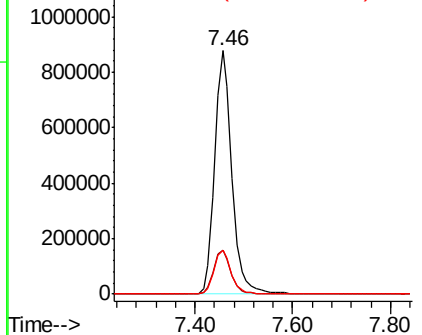
88 18.3 0.0 35.4

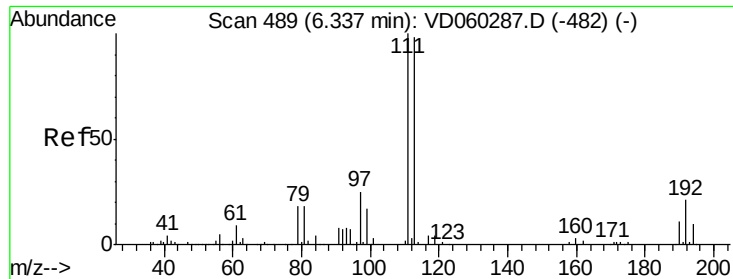


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

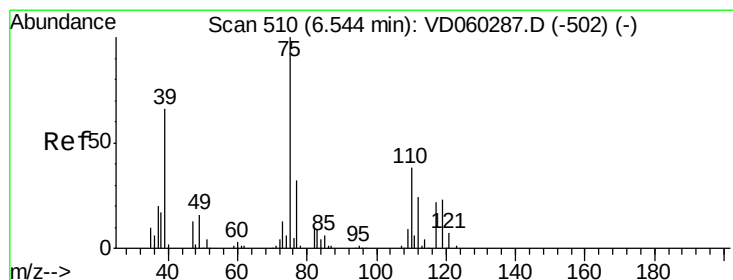
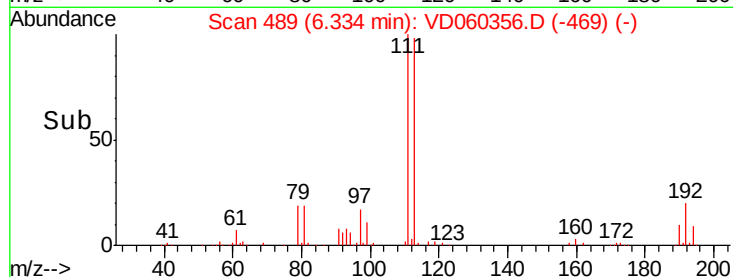
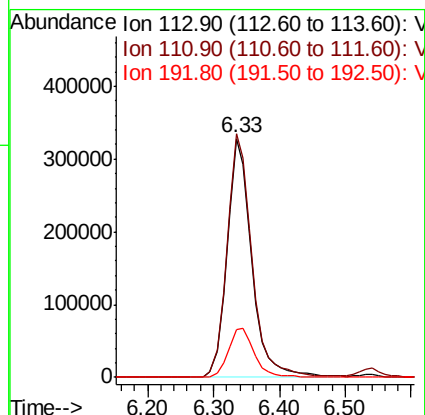
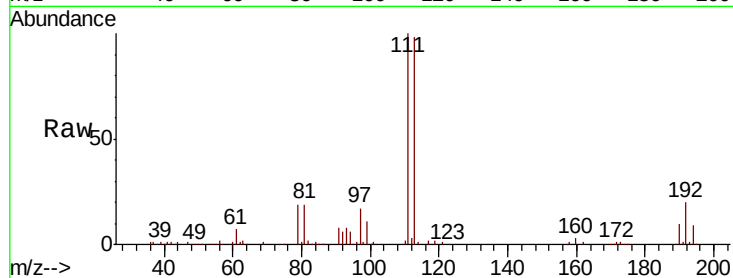




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

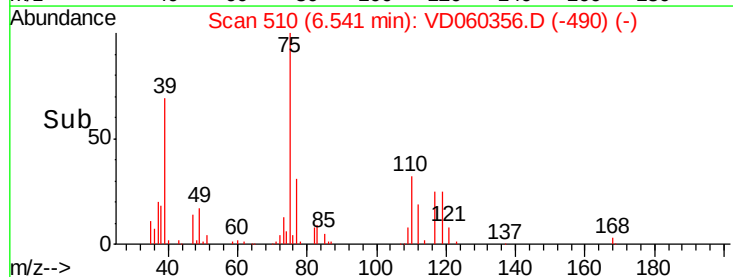
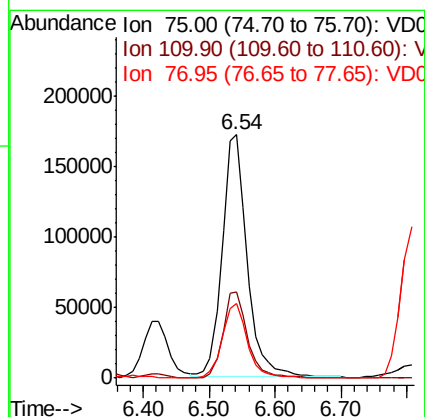
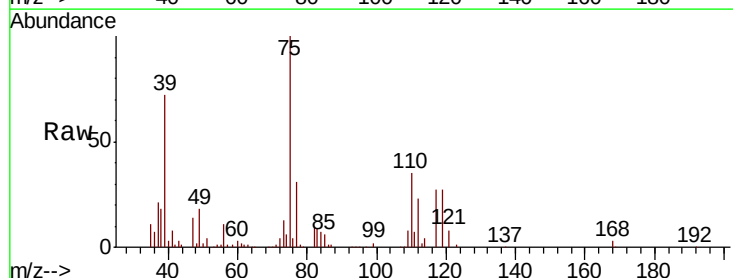
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

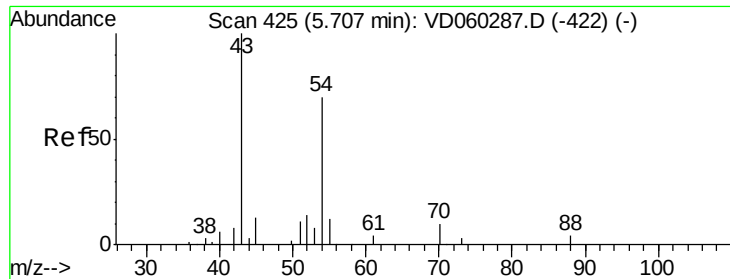
Tot Ion:113 Resp: 860341
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.6 122.4
 192 20.0 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 21.384 ug/l
 RT: 6.54 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion: 75 Resp: 454744
 Ion Ratio Lower Upper
 75 100
 110 35.4 18.0 54.0
 77 30.8 25.6 38.4

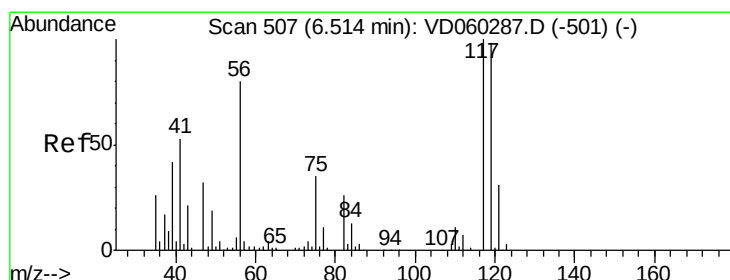
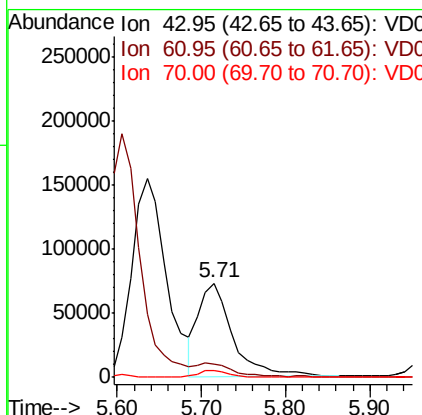
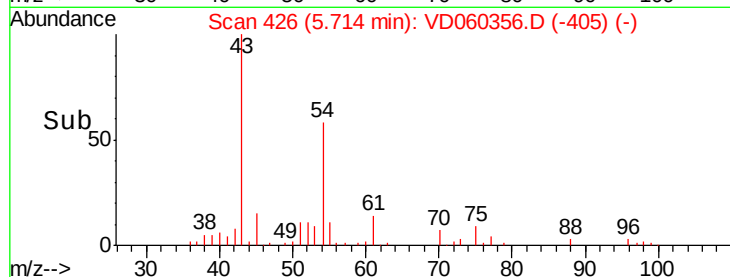
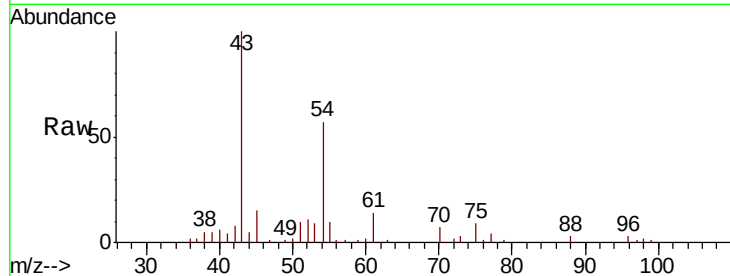




#37
Ethyl Acetate
Concen: 20.807 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

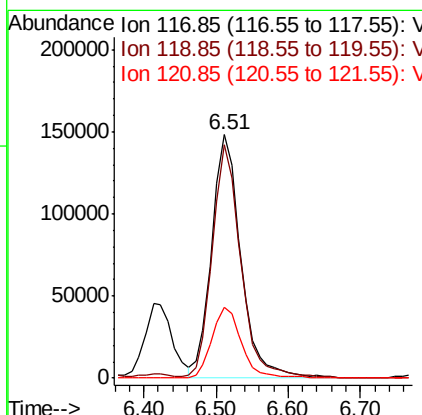
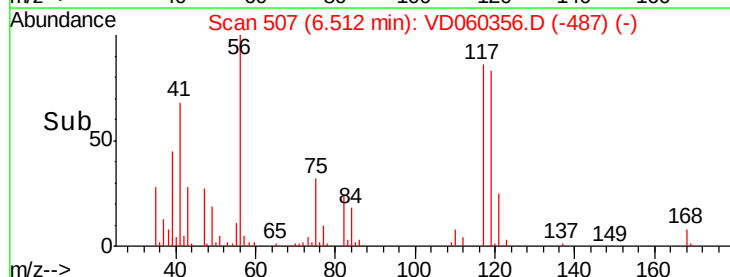
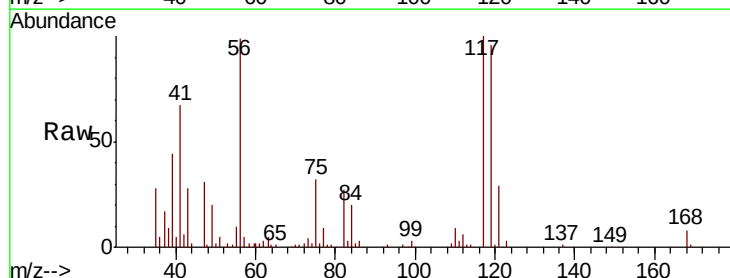
Instrument :
MSVOA_D
ClientSampleID :
VD1113SBS01

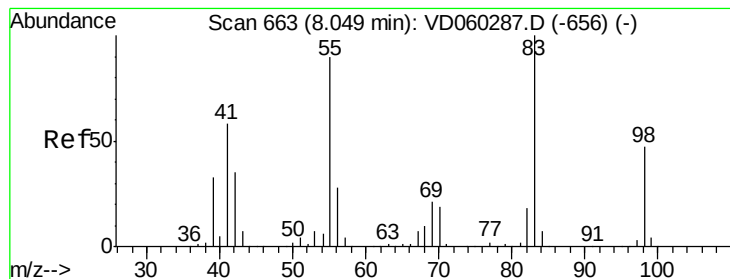
Tot Ion: 43 Resp: 203607
Ion Ratio Lower Upper
43 100
61 13.7 11.8 17.6
70 7.3 6.2 9.4



#38
Carbon Tetrachloride
Concen: 20.703 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion: 117 Resp: 408400
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 29.3 24.3 36.5





#39

Methylvlcyclohexane

Concen: 21.011 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBS01

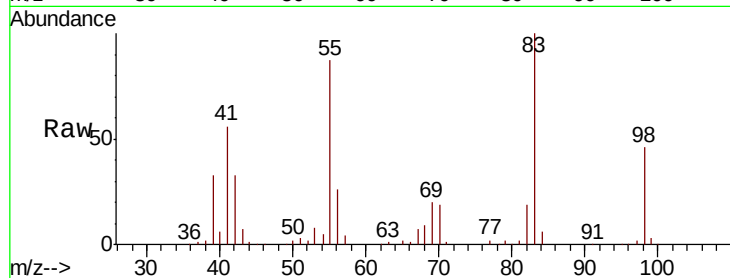
Tot Ion: 83 Resp: 513919

Ion Ratio Lower Upper

83 100

55 87.2 71.2 106.8

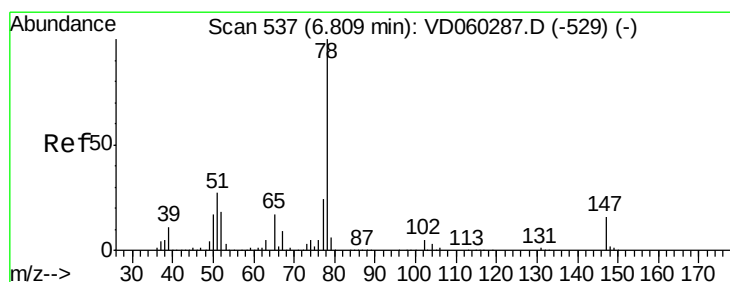
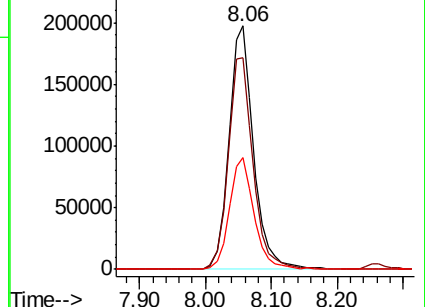
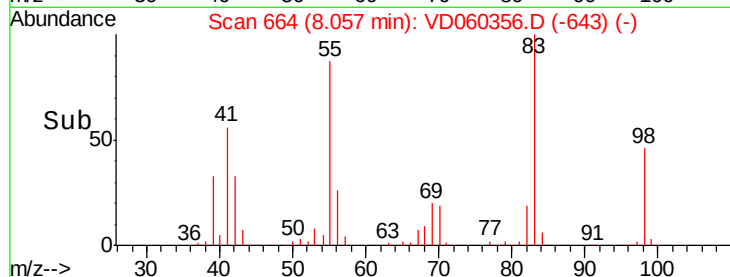
98 45.9 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.904 ug/l

RT: 6.81 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD060356.D

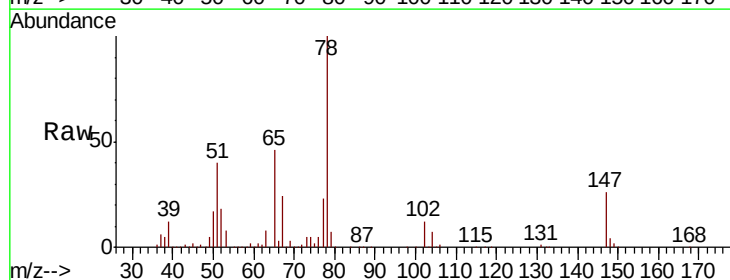
Acq: 13 Nov 2018 13:09

Tgt Ion: 78 Resp: 1189051

Ion Ratio Lower Upper

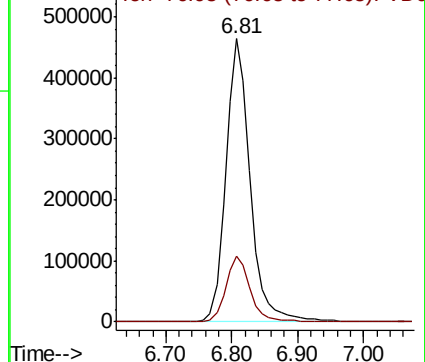
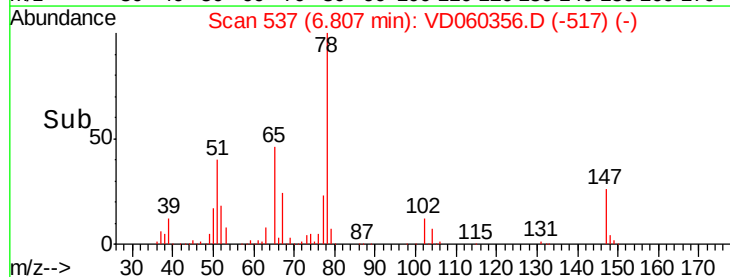
78 100

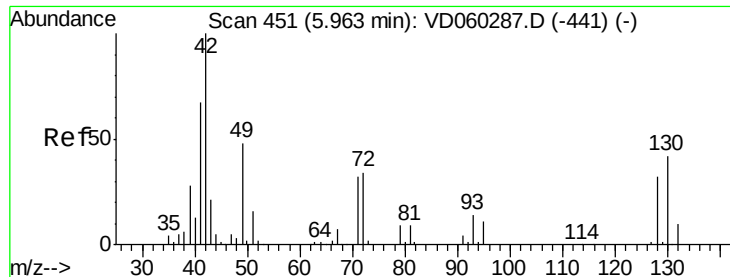
77 23.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

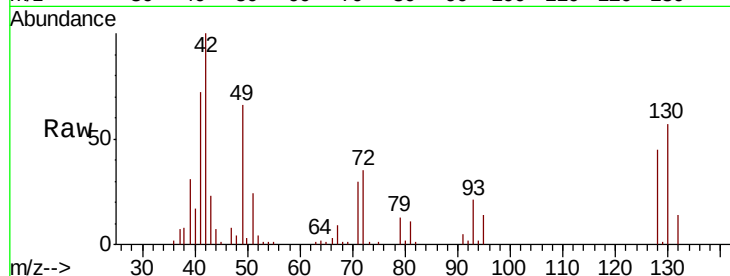




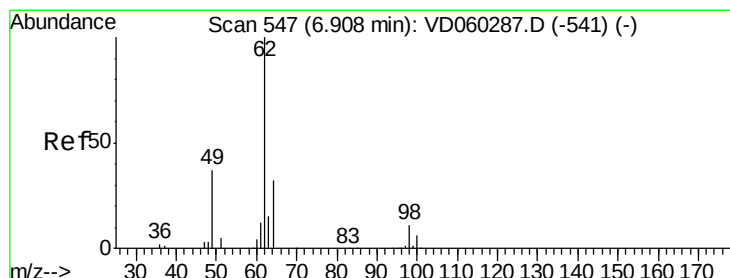
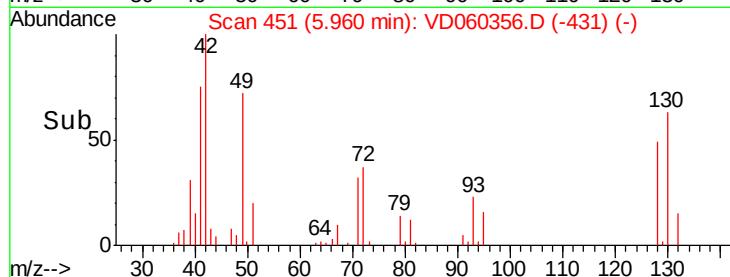
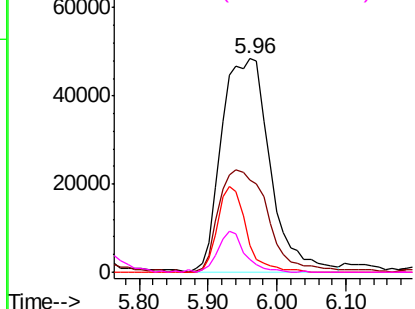
#41
Methacrylonitrile
Concen: 21.120 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1113SBSD01

Tot Ion:	41	Resp:	236551
Ion	Ratio	Lower	Upper
41	100		
39	43.1	36.2	54.2
67	12.7	11.9	17.9
52	5.9	5.2	7.8

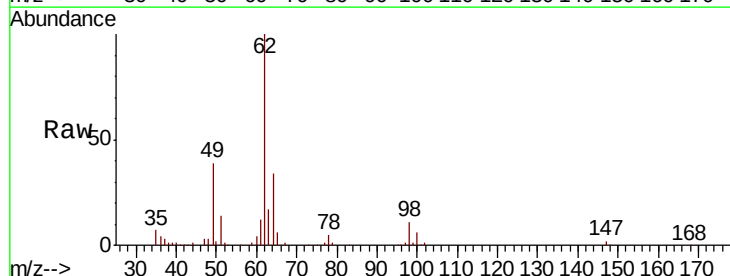


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

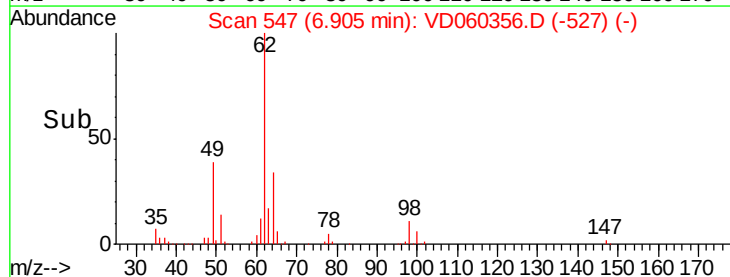
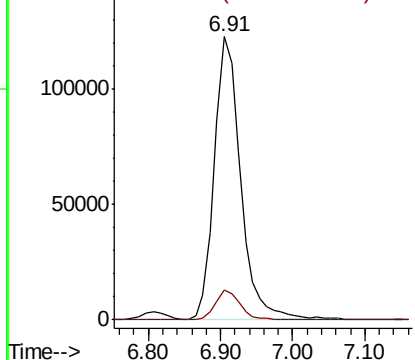


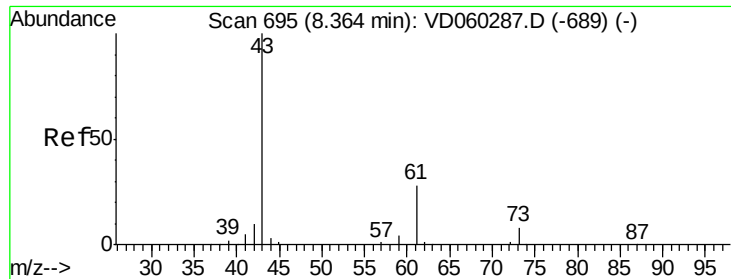
#42
1,2-Dichloroethane
Concen: 21.564 ug/l
RT: 6.91 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion:	62	Resp:	306393
Ion	Ratio	Lower	Upper
62	100		
98	10.8	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: 20.853 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBSD01

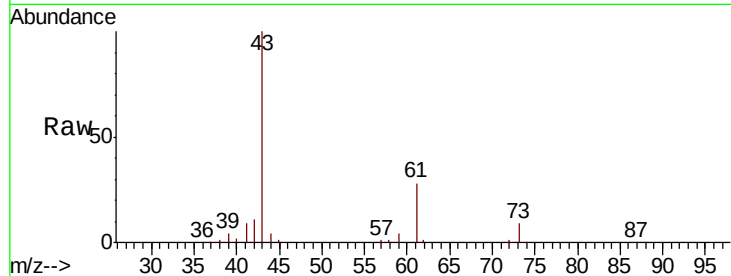
Tot Ion: 43 Resp: 256333

Ion Ratio Lower Upper

43 100

61 28.5 22.3 33.5

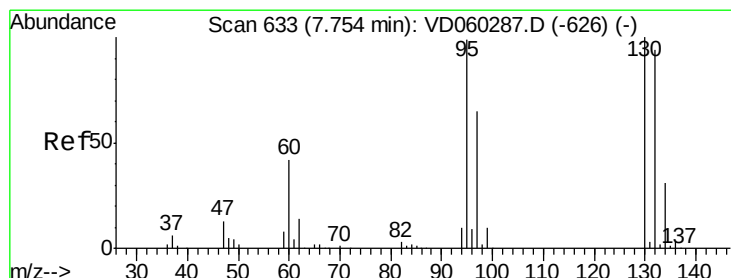
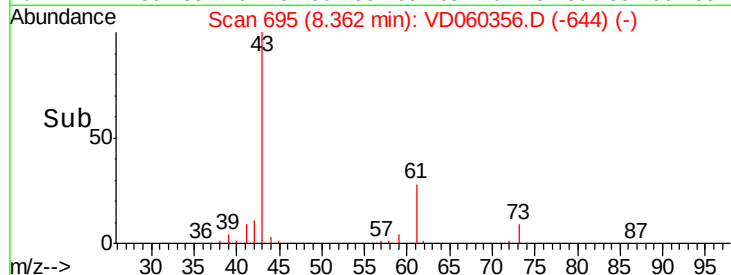
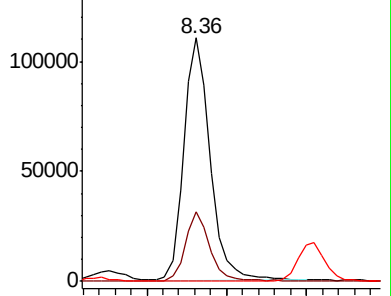
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.799 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060356.D

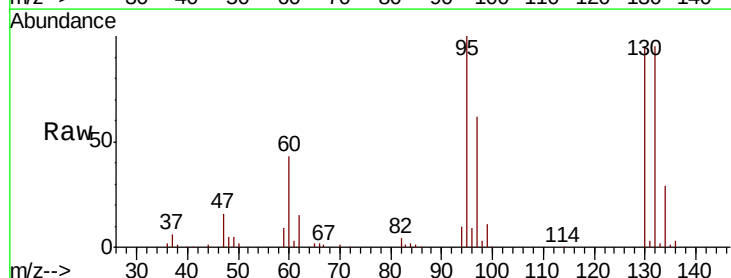
Acq: 13 Nov 2018 13:09

Tgt Ion:130 Resp: 358710

Ion Ratio Lower Upper

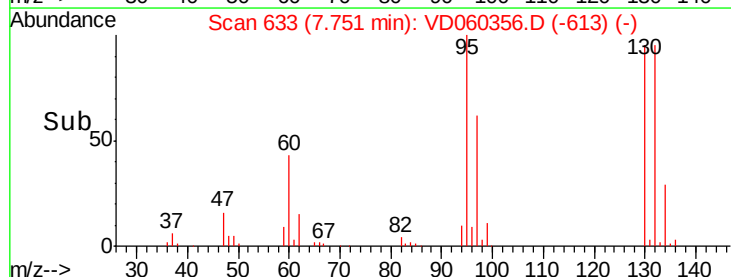
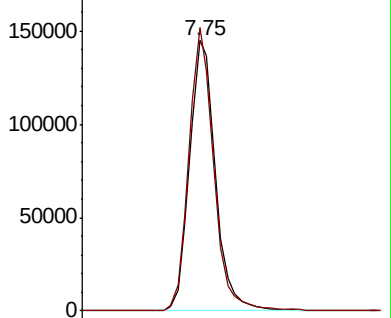
130 100

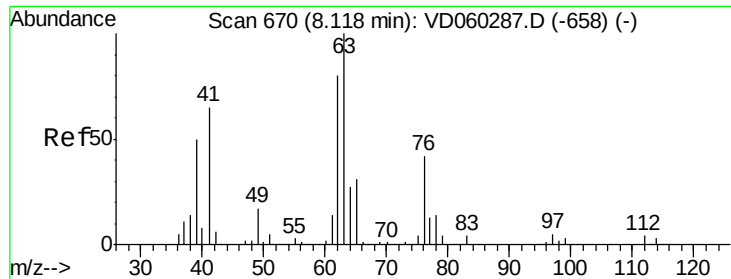
95 104.8 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

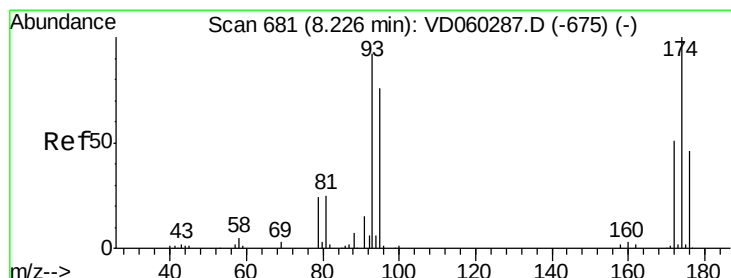
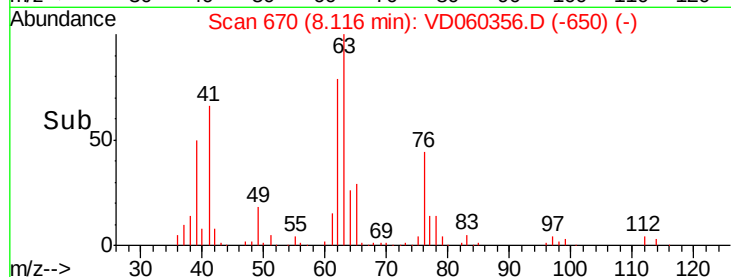
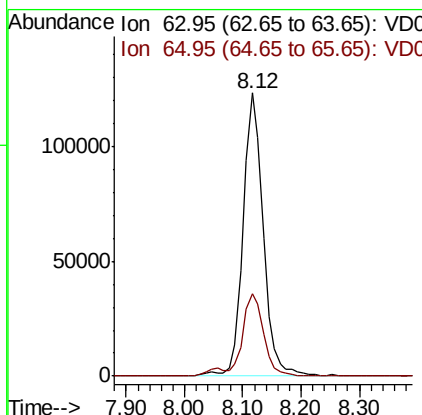
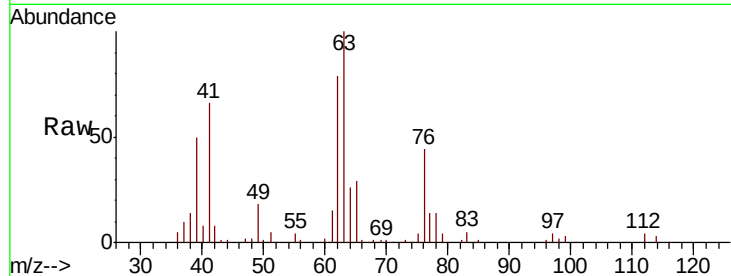




#45
 1,2-Dichloropropane
 Concen: 21.763 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

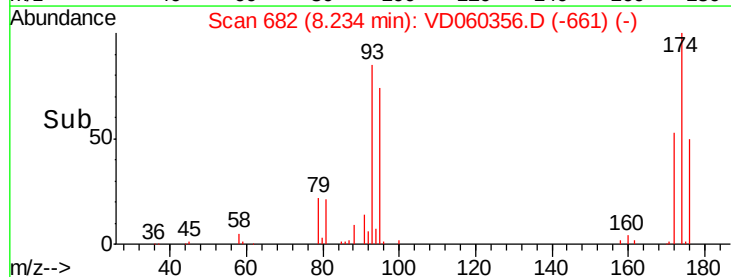
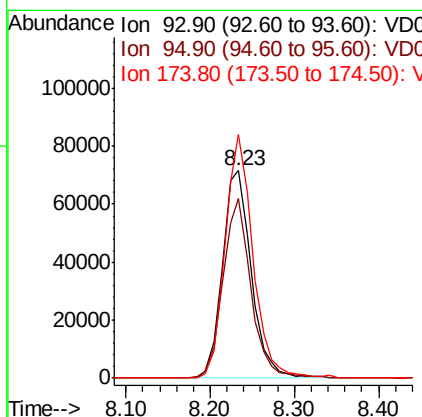
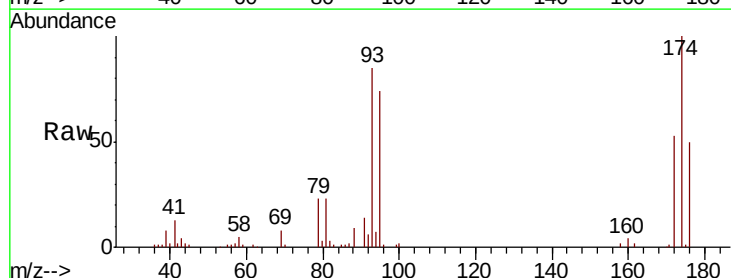
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

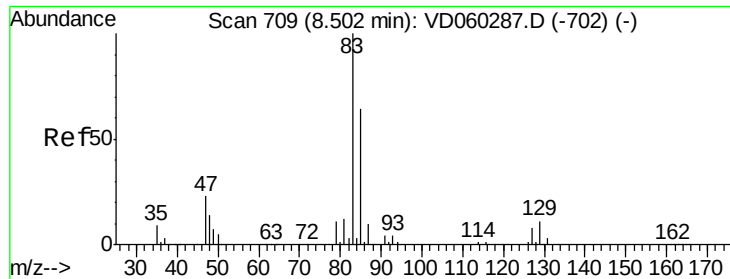
Tot Ion: 63 Resp: 297940
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.4 35.2



#46
 Dibromomethane
 Concen: 21.131 ug/l
 RT: 8.23 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion: 93 Resp: 169437
 Ion Ratio Lower Upper
 93 100
 95 86.3 66.4 99.6
 174 117.2 87.8 131.8





#47

Bromodichloromethane

Concen: 21.275 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBS01

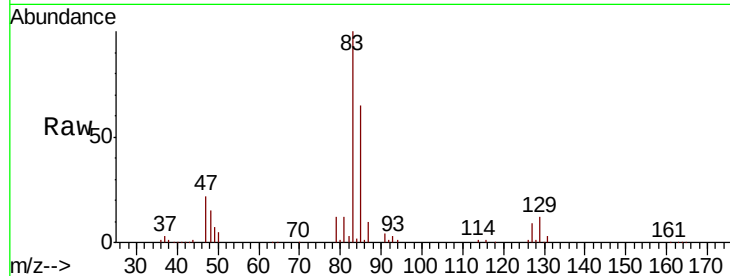
Tot Ion: 83 Resp: 401989

Ion Ratio Lower Upper

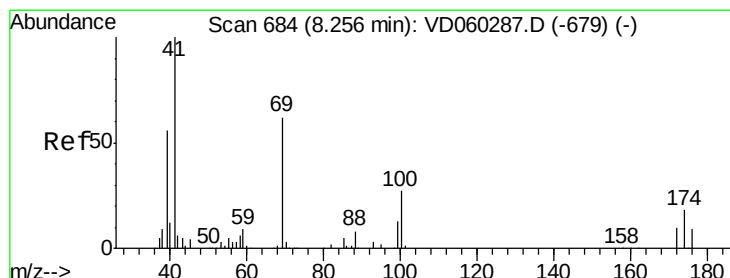
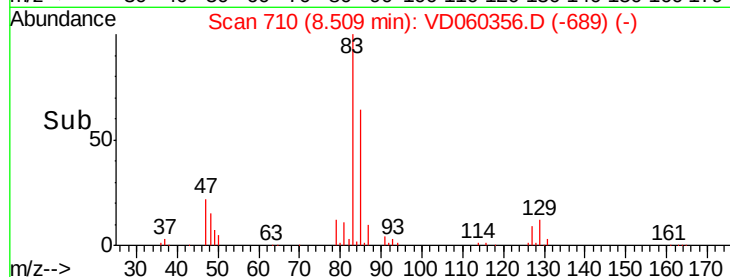
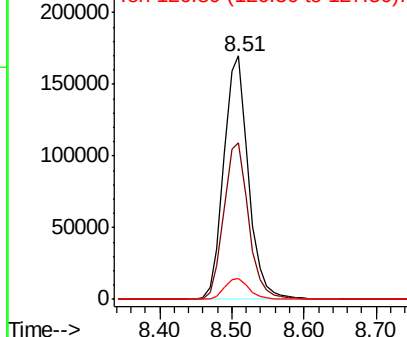
83 100

85 64.5 51.0 76.6

127 8.8 6.2 9.4



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



#48

Methyl methacrylate

Concen: 21.004 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

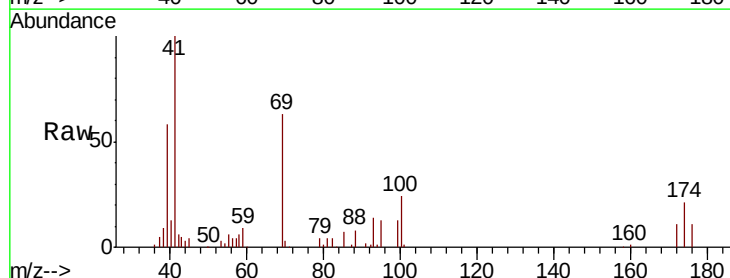
Tgt Ion: 41 Resp: 156823

Ion Ratio Lower Upper

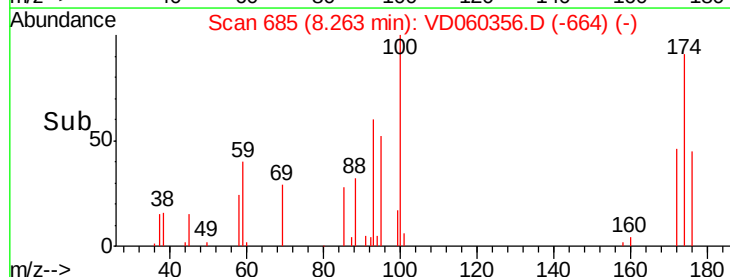
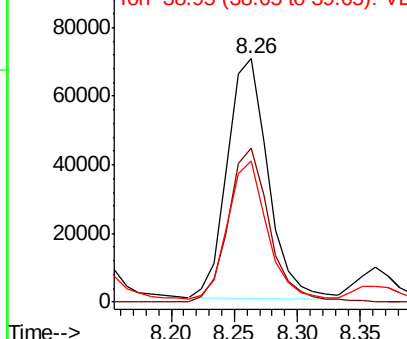
41 100

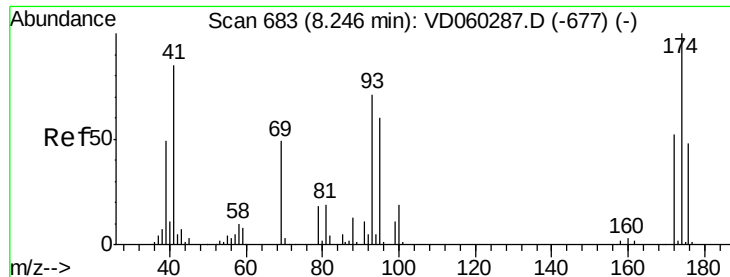
69 63.3 47.0 70.4

39 58.2 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: 422.926 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBS01

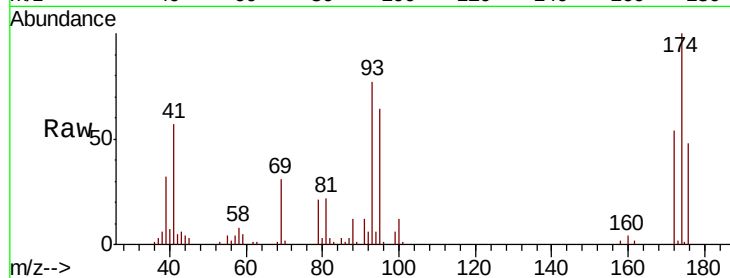
Tot Ion: 88 Resp: 27322

Ion Ratio Lower Upper

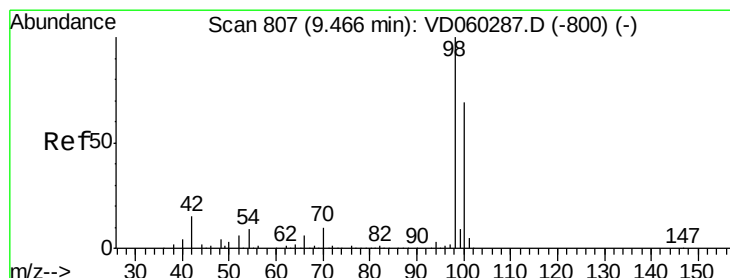
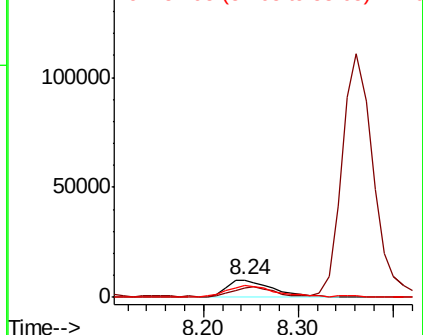
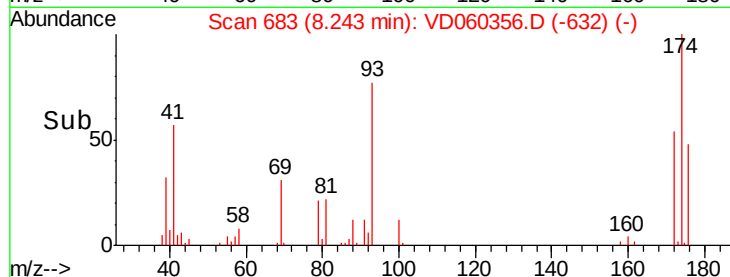
88 100

43 52.8 39.7 59.5

58 68.3 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: 422.926 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060356.D

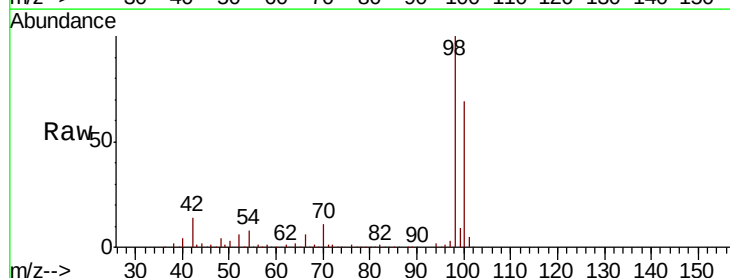
Acq: 13 Nov 2018 13:09

Tgt Ion: 98 Resp: 2496597

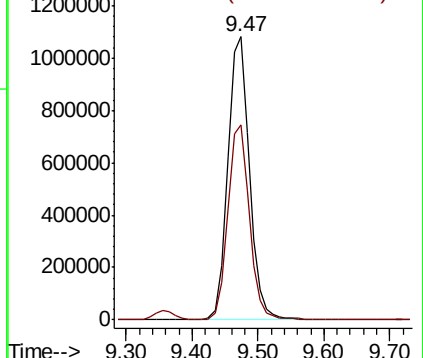
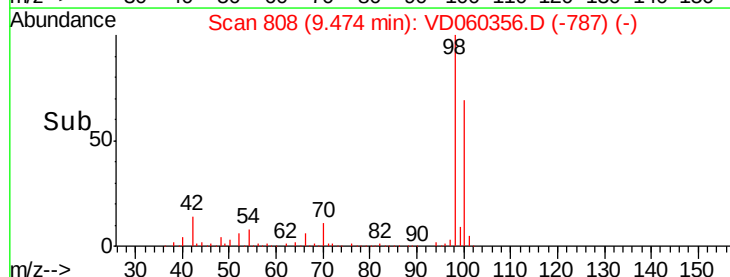
Ion Ratio Lower Upper

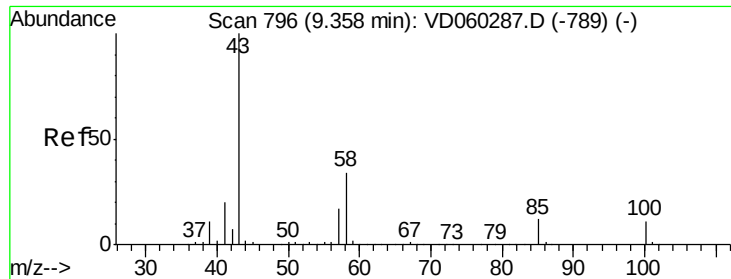
98 100

100 69.0 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: 105.275 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

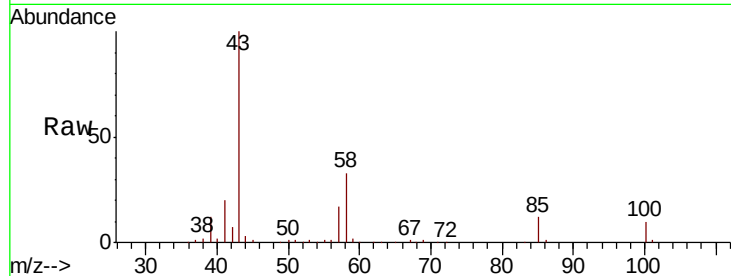
VD1113SBS01

Tot Ion: 43 Resp: 842250

Ion Ratio Lower Upper

43 100

58 33.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.36

400000

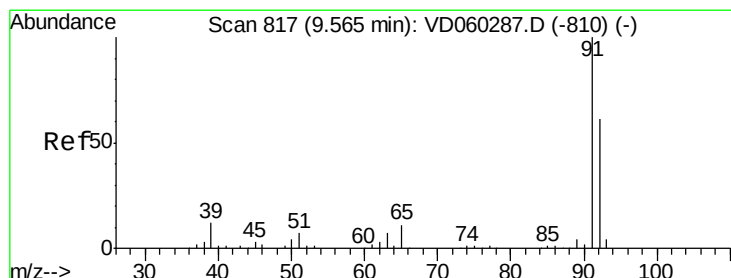
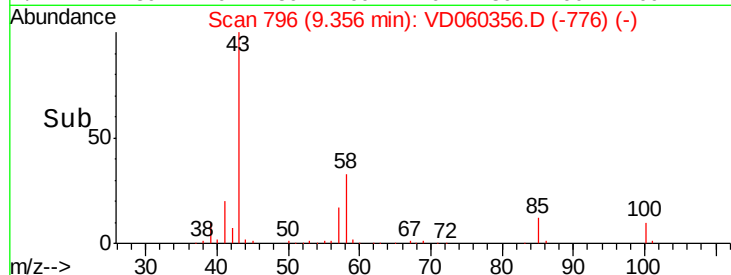
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.139 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060356.D

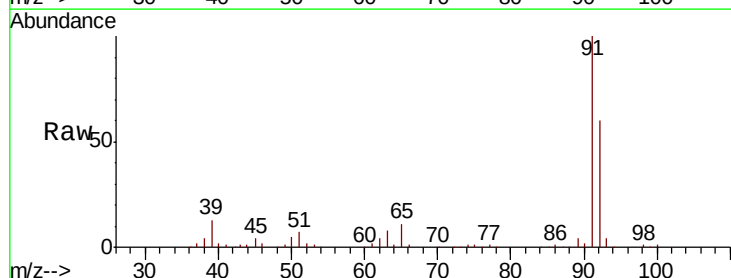
Acq: 13 Nov 2018 13:09

Tgt Ion: 92 Resp: 733017

Ion Ratio Lower Upper

92 100

91 166.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

600000

500000

400000

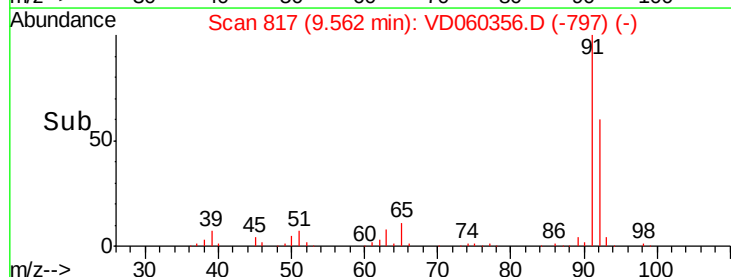
300000

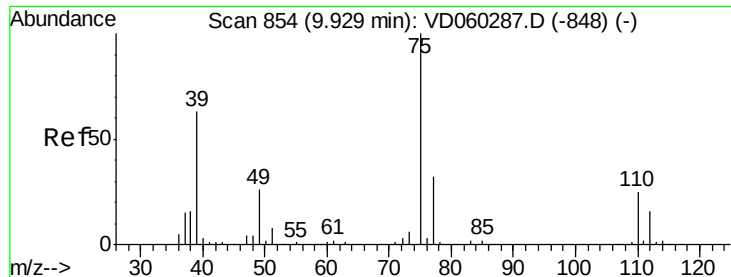
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.478 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

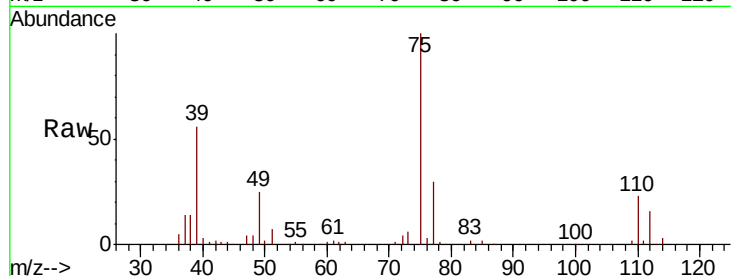
VD1113SBSD01

Tot Ion: 75 Resp: 342889

Ion Ratio Lower Upper

75 100

77 30.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.94

150000

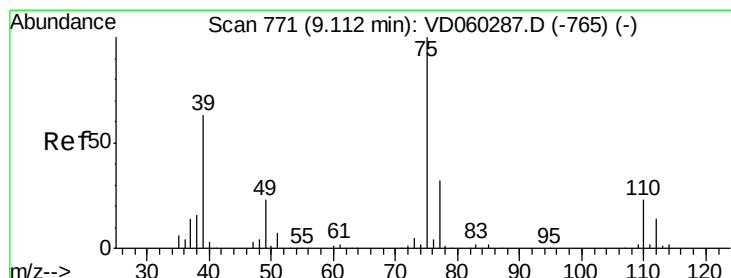
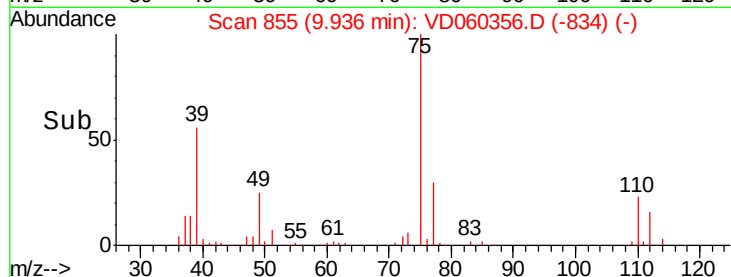
100000

50000

0

Time-->

9.80 9.90 10.00 10.10



#54

cis-1,3-Dichloropropene

Concen: 21.633 ug/l

RT: 9.12 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

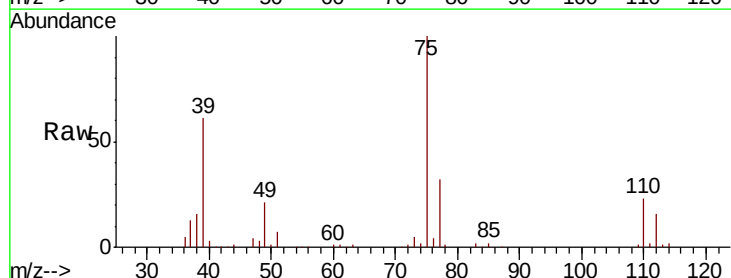
Tgt Ion: 75 Resp: 442968

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5

39 61.0 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

150000

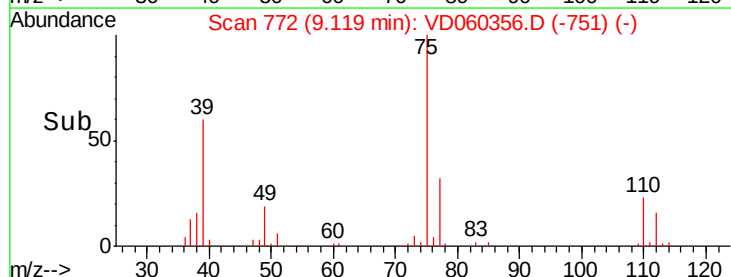
100000

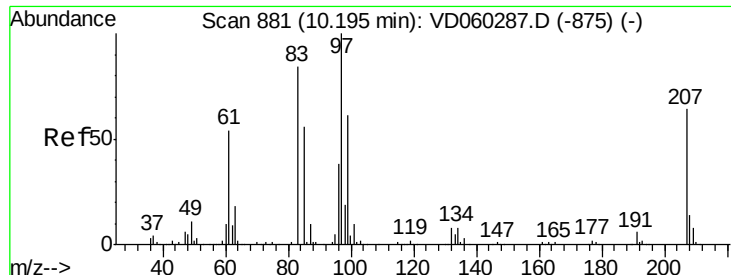
50000

0

Time-->

9.00 9.10 9.20

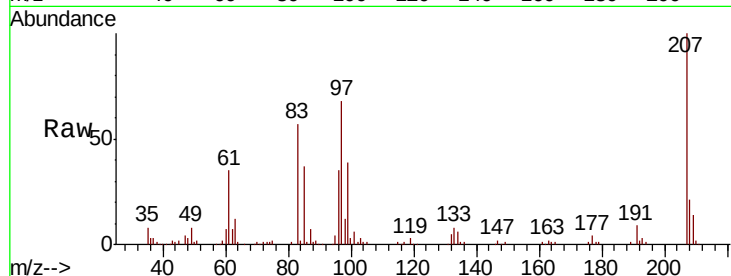




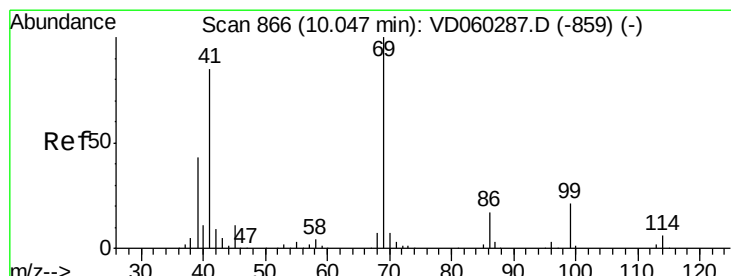
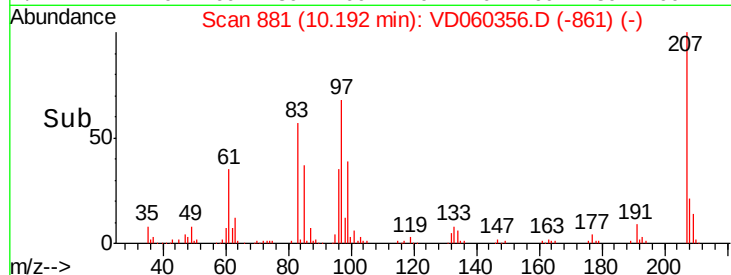
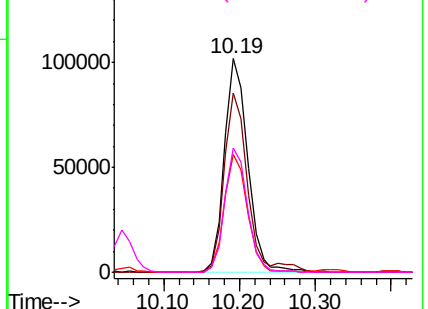
#55
 1,1,2-Trichloroethane
 Concen: 21.668 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

Tot Ion:	97	Resp:	217772
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.4	102.6
85	55.2	46.8	70.2
99	58.2	49.5	74.3

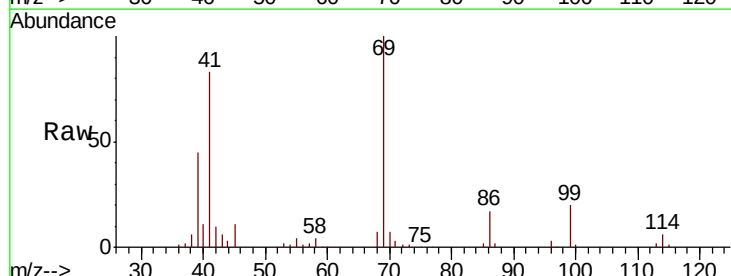


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

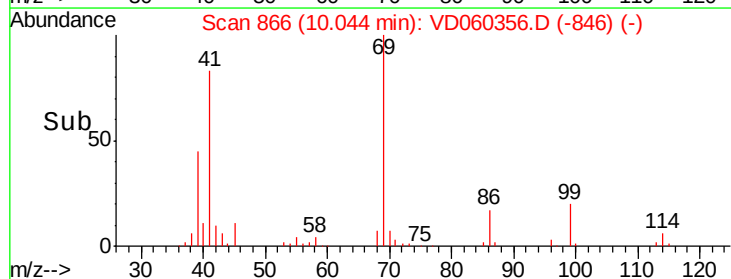
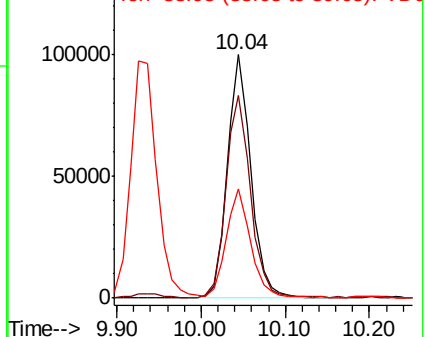


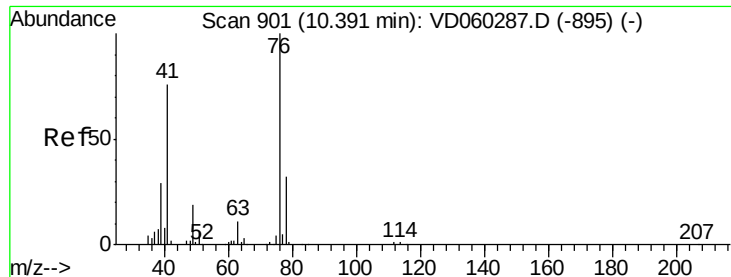
#56
 Ethyl methacrylate
 Concen: 20.870 ug/l
 RT: 10.04 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion:	69	Resp:	192856
Ion	Ratio	Lower	Upper
69	100		
41	83.2	69.0	103.4
39	45.0	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

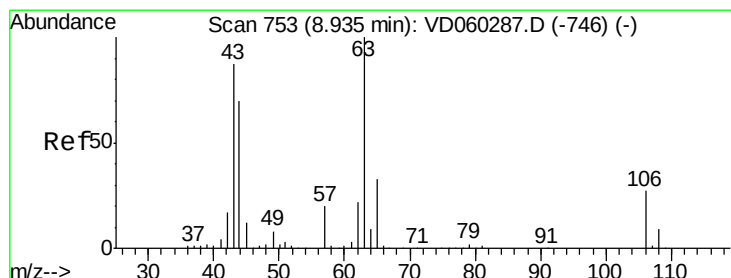
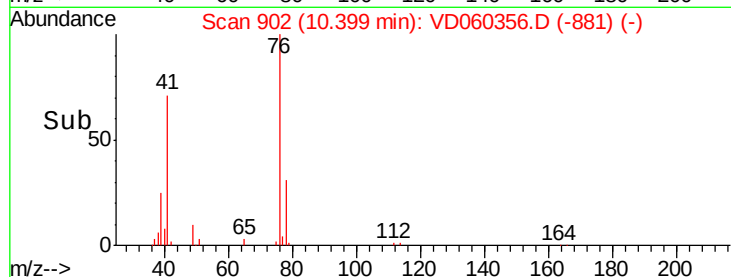
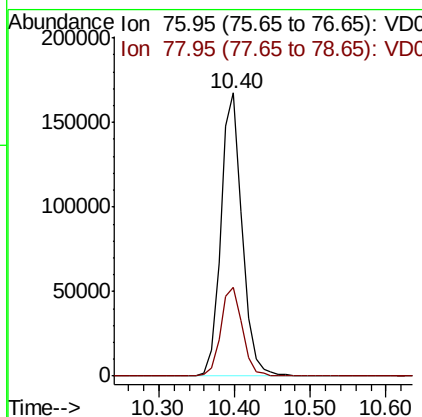
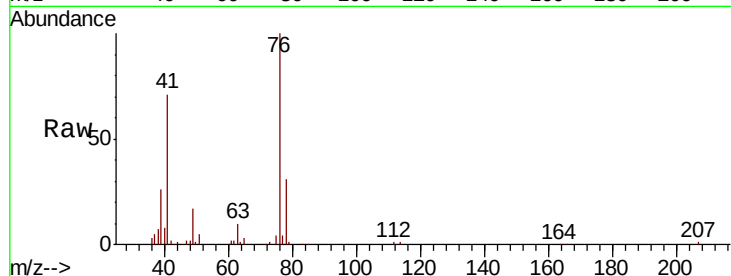




#57
 1,3-Dichloropropane
 Concen: 21.235 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

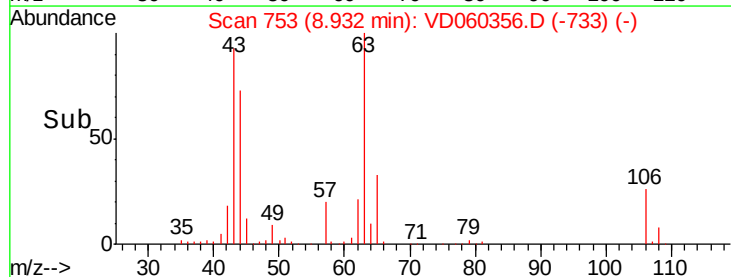
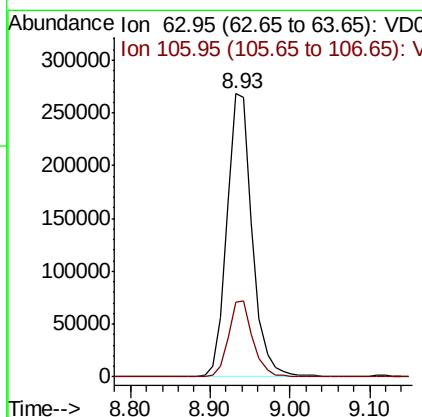
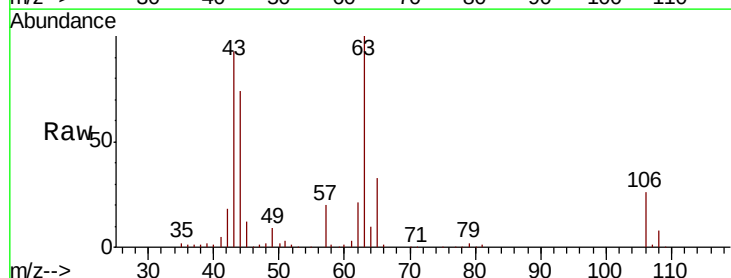
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

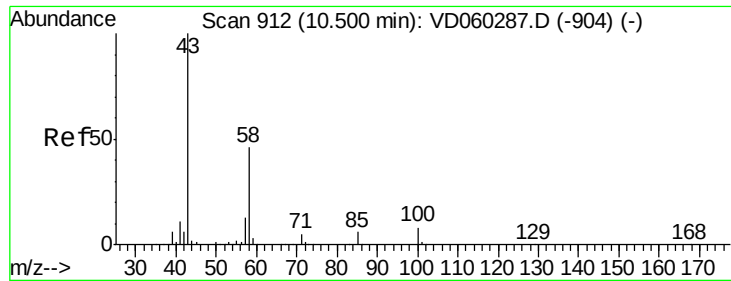
Tot Ion: 76 Resp: 325203
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.074 ug/l
 RT: 8.93 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion: 63 Resp: 598264
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.5 32.3

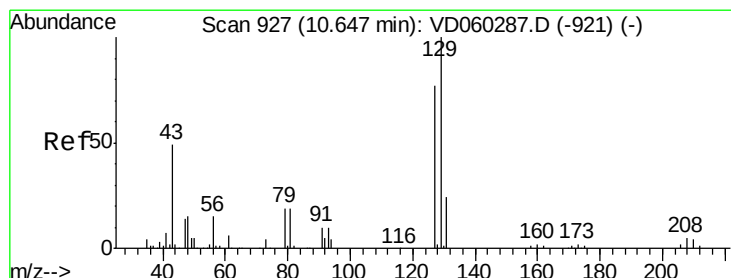
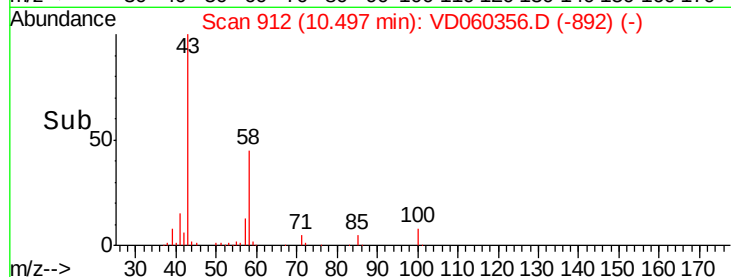
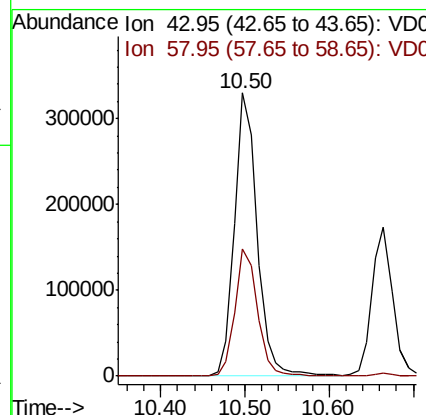
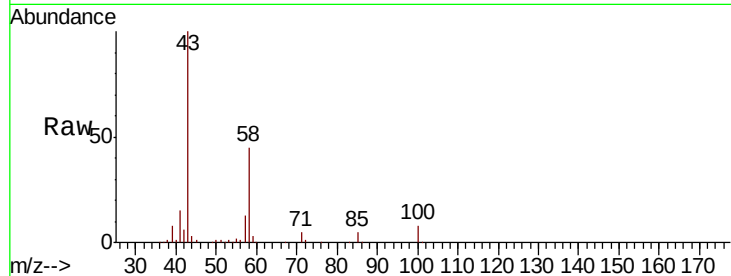




#59
2-Hexanone
Concen: 108.715 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

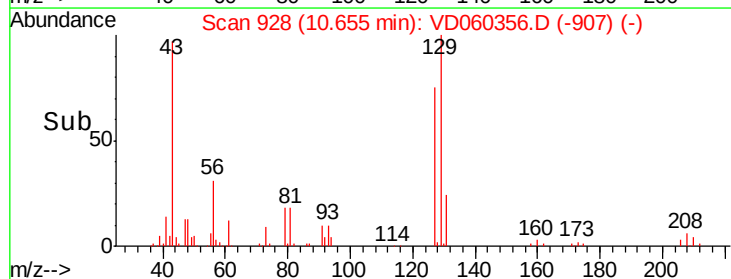
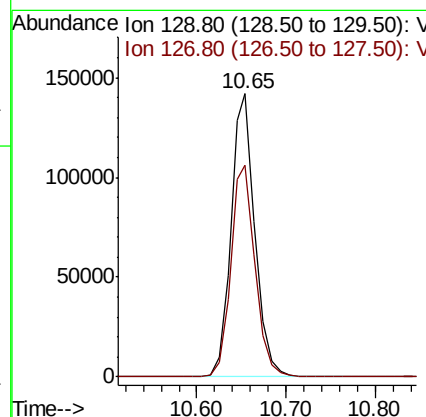
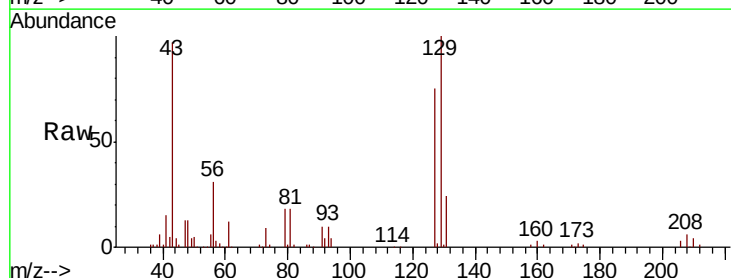
Instrument :
MSVOA_D
ClientSampleId :
VD1113SBSD01

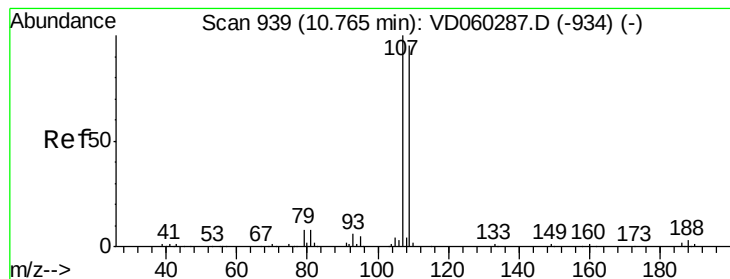
Tot Ion: 43 Resp: 619917
Ion Ratio Lower Upper
43 100
58 44.8 22.9 68.5



#60
Dibromochloromethane
Concen: 21.788 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion:129 Resp: 266188
Ion Ratio Lower Upper
129 100
127 74.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.840 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

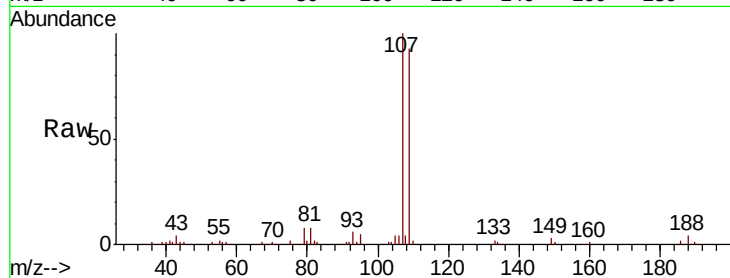
VD1113SBSD01

Tot Ion:107 Resp: 209854

Ion Ratio Lower Upper

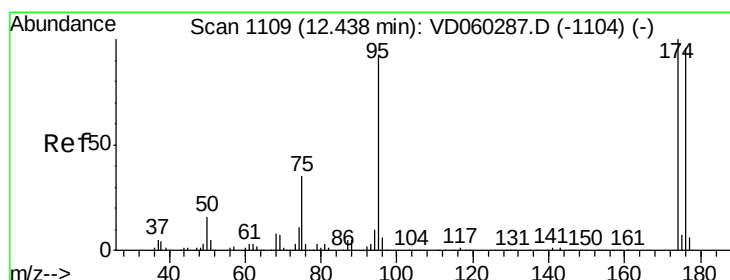
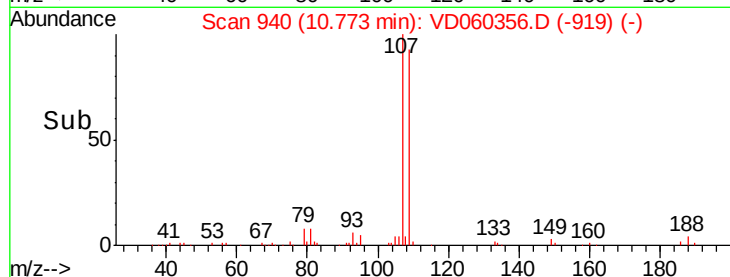
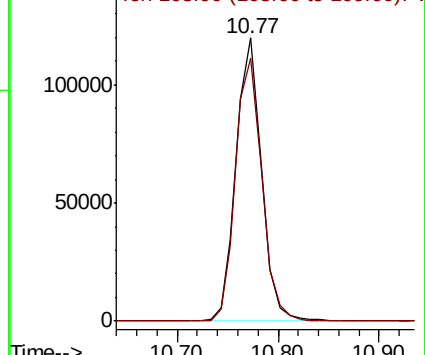
107 100

109 92.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.840 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

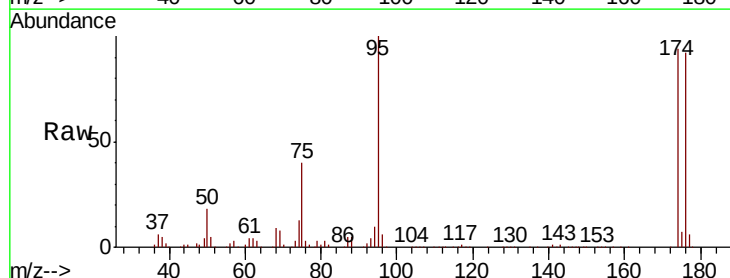
Tgt Ion: 95 Resp: 905139

Ion Ratio Lower Upper

95 100

174 94.4 0.0 160.8

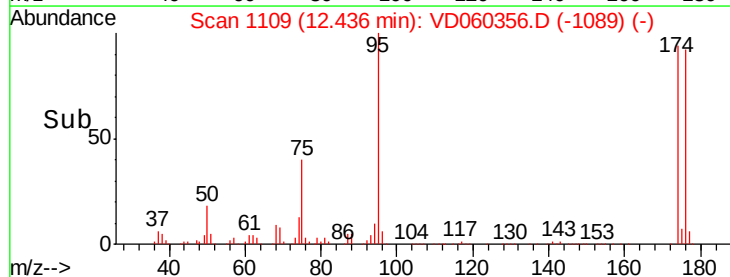
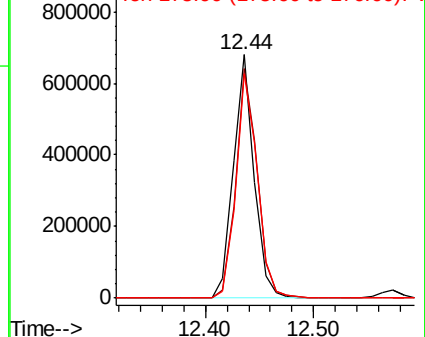
176 91.9 0.0 154.6

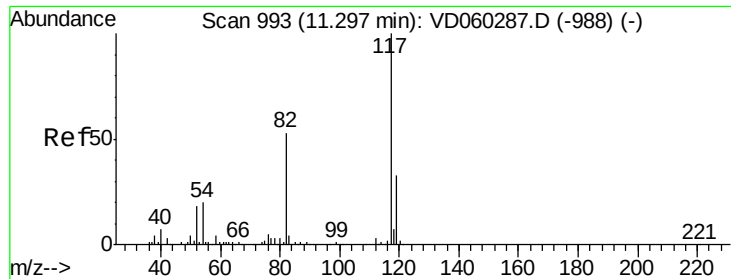


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

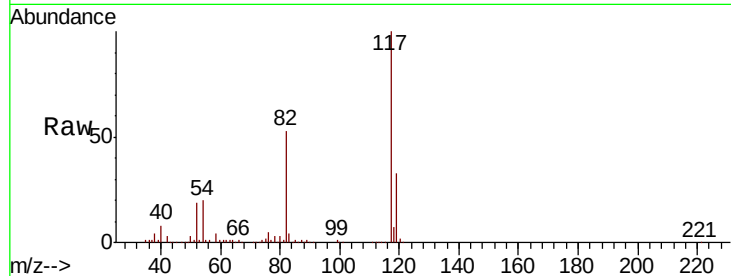




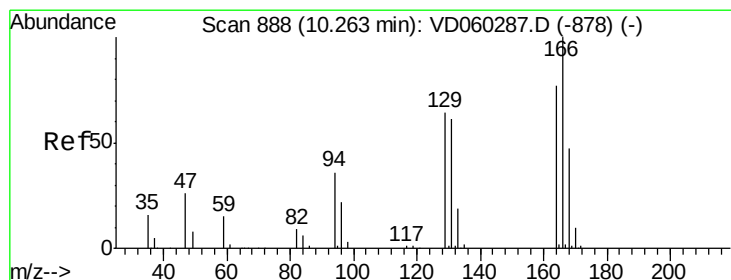
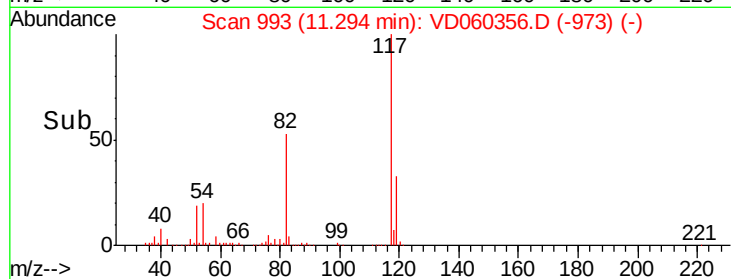
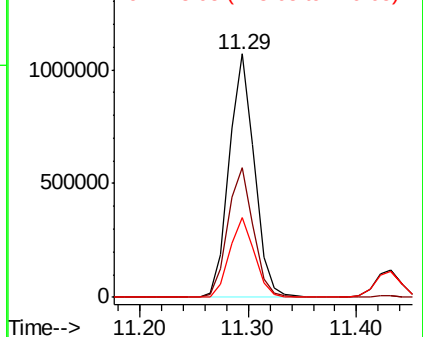
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1113SBSD01

Tot Ion:117 Resp: 1734934
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 32.7 26.1 39.1

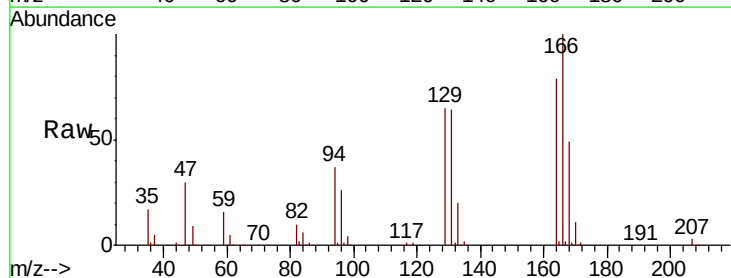


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

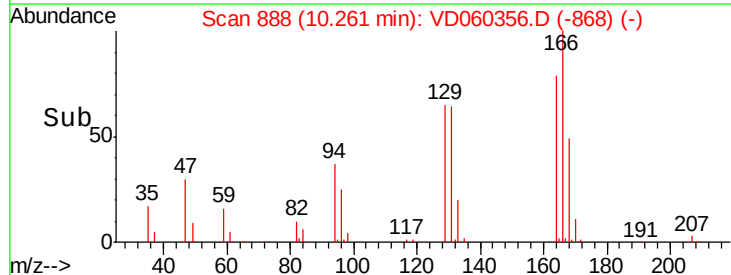
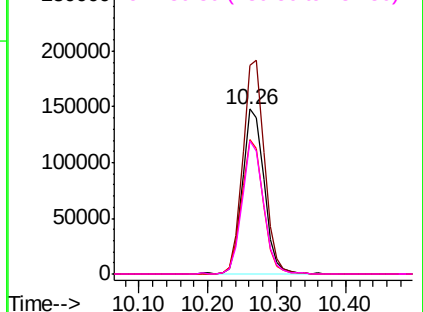


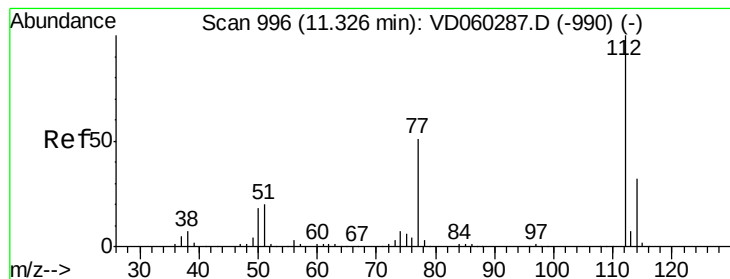
#64
Tetrachloroethene
Concen: 20.972 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion:164 Resp: 324818
Ion Ratio Lower Upper
164 100
166 126.5 103.7 155.5
129 82.1 65.6 98.4
131 80.9 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: 21.035 ug/l

RT: 11.32 min Scan# 996

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

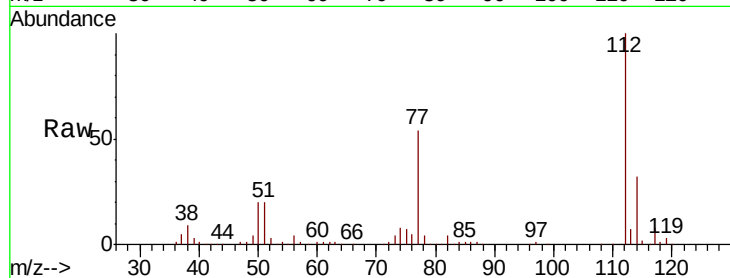
VD1113SBSD01

Tot Ion:112 Resp: 790724

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.32

500000

400000

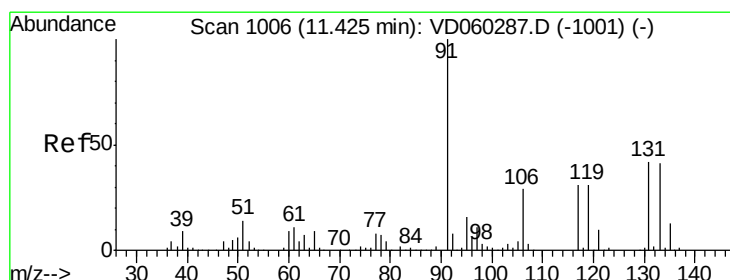
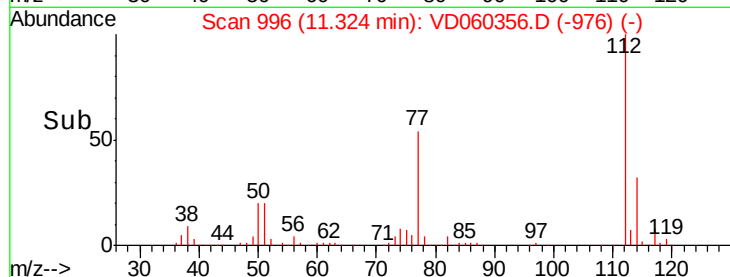
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#66

1,1,1,2-Tetrachloroethane

Concen: 22.486 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

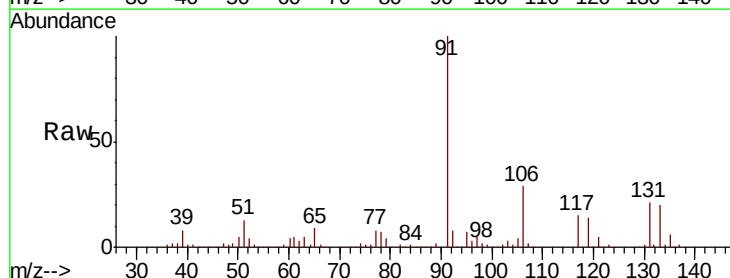
Tgt Ion:131 Resp: 276565

Ion Ratio Lower Upper

131 100

133 95.6 50.0 150.0

119 69.1 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

11.43

200000

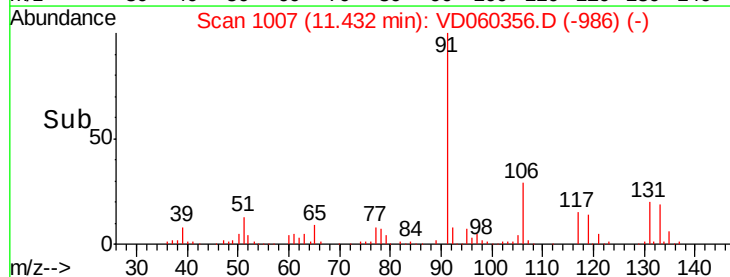
150000

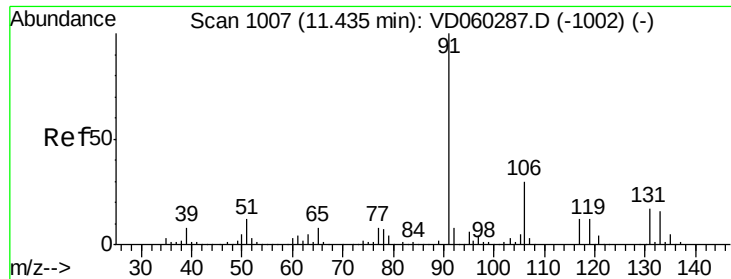
100000

50000

0

Time--> 11.40 11.50





#67

Ethyl Benzene

Concen: 22.507 ug/l

RT: 11.44 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleID :

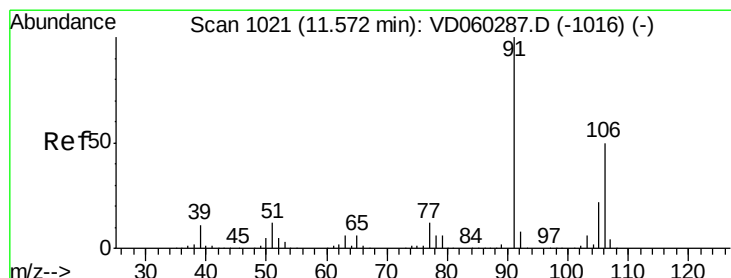
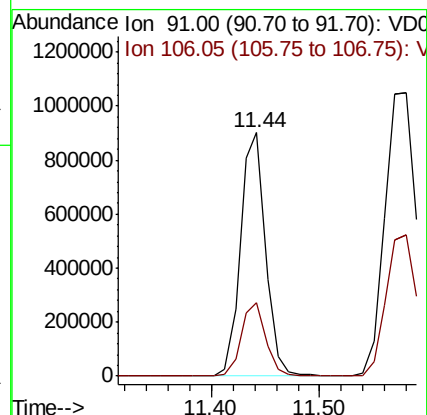
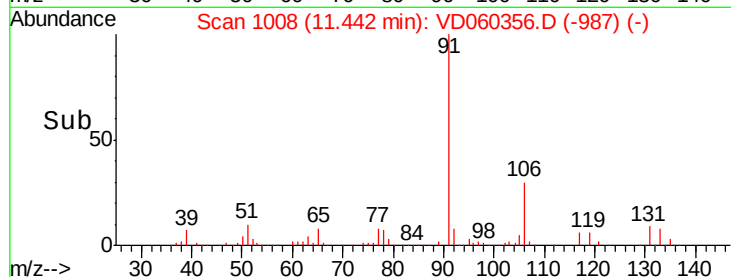
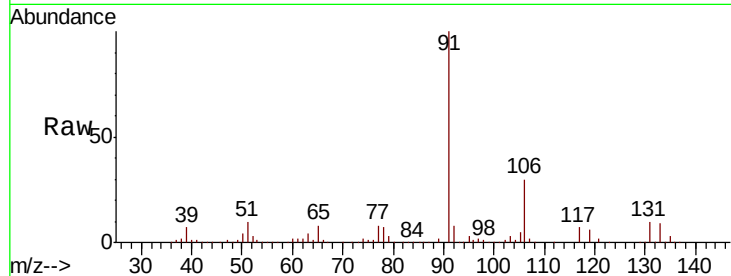
VD1113SBS01

Tot Ion: 91 Resp: 1447302

Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8



#68

m/p-Xylenes

Concen: 43.610 ug/l

RT: 11.58 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VD060356.D

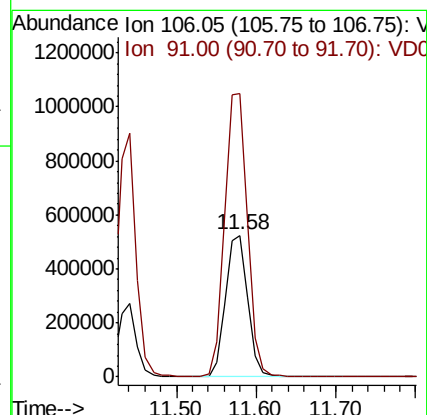
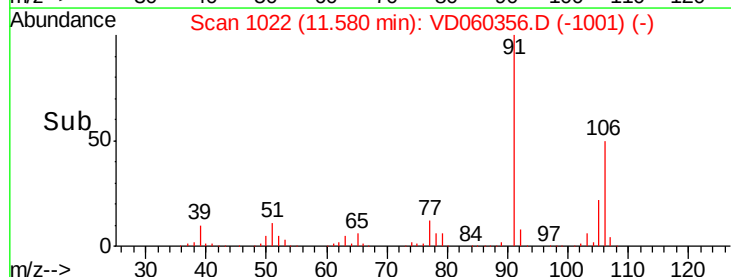
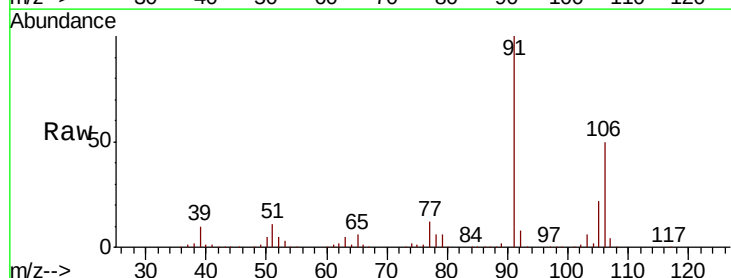
Acq: 13 Nov 2018 13:09

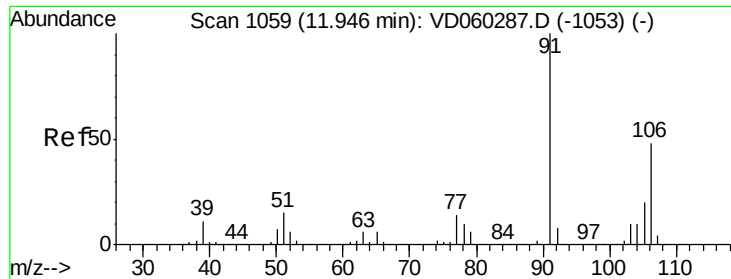
Tgt Ion: 106 Resp: 1034486

Ion Ratio Lower Upper

106 100

91 199.9 159.4 239.2

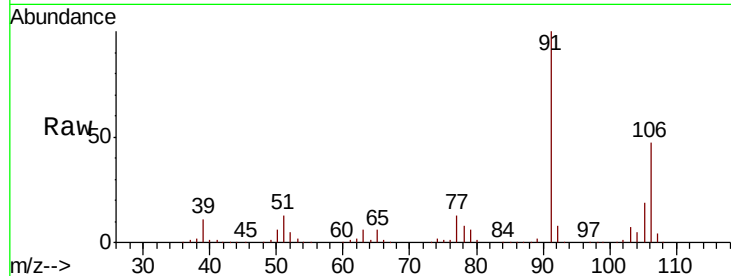




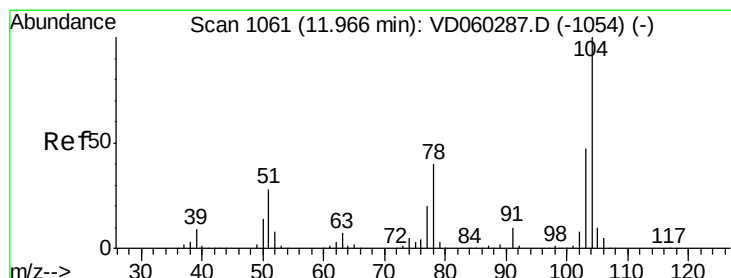
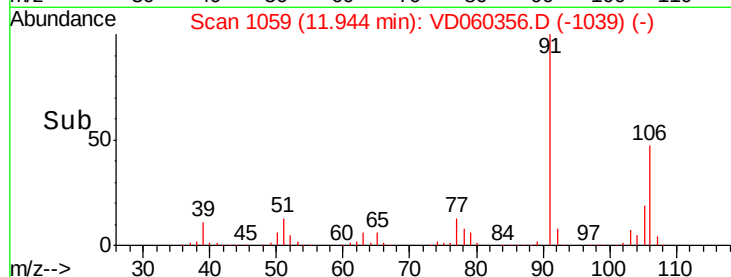
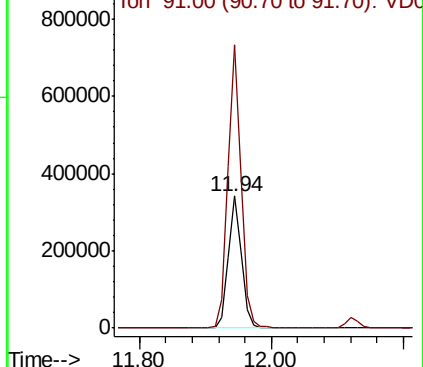
#69
o-Xylene
Concen: 21.082 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1113SBSD01

Tot Ion:106 Resp: 483120
Ion Ratio Lower Upper
106 100
91 214.9 109.2 327.6

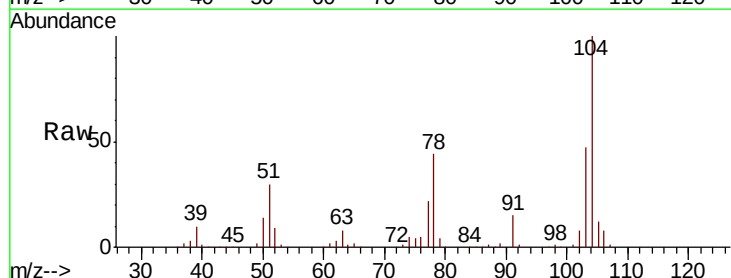


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

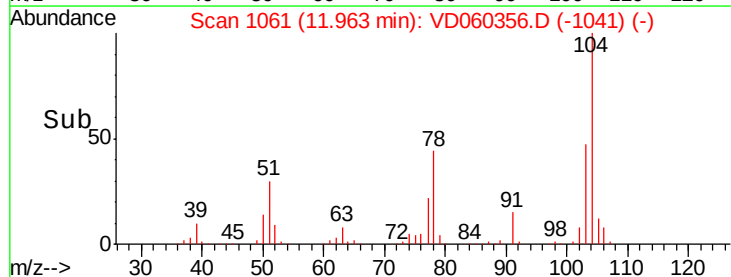
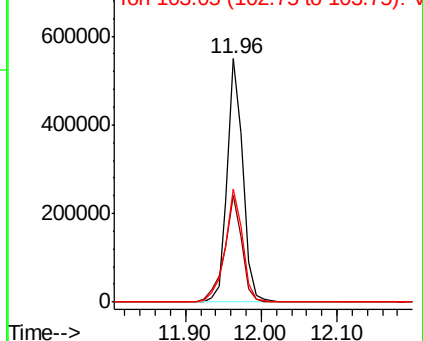


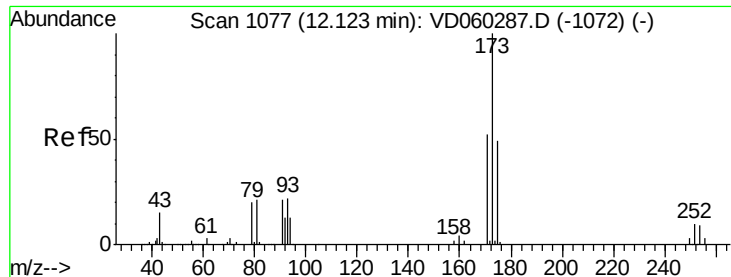
#70
Styrene
Concen: 21.082 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion:104 Resp: 780770
Ion Ratio Lower Upper
104 100
78 43.6 31.6 47.4
103 46.6 37.0 55.6



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

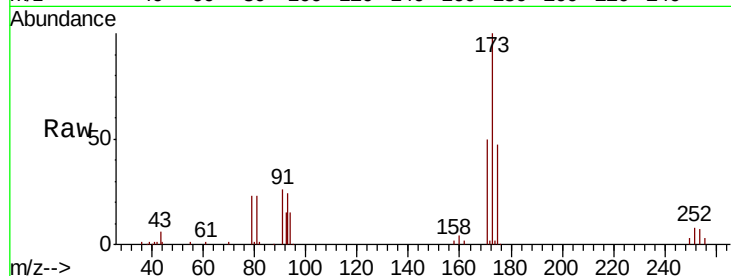




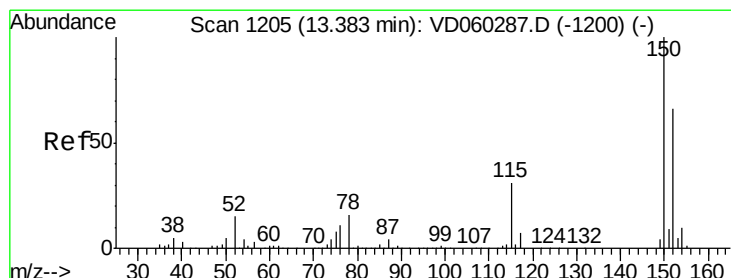
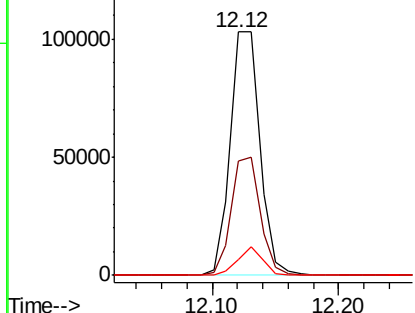
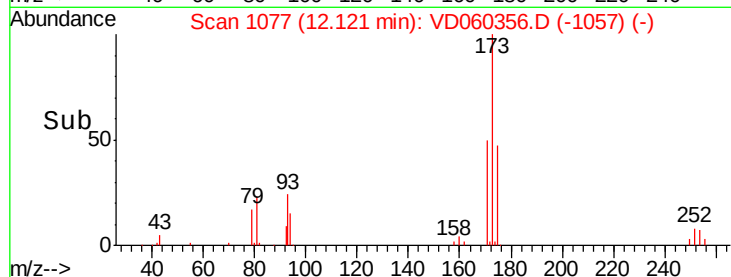
#71
Bromoform
Concen: 20.118 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1113SBSD01

Tot Ion:173 Resp: 166274
Ion Ratio Lower Upper
173 100
175 47.2 24.3 73.0
254 6.6 8.3 12.5#

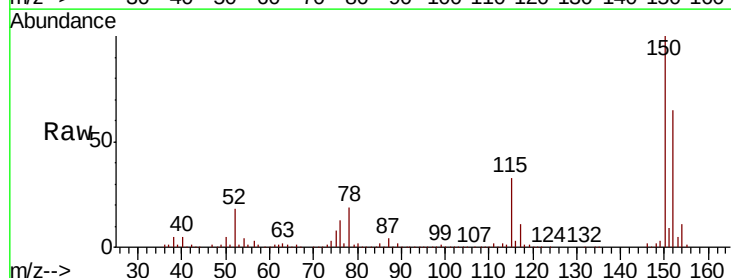


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

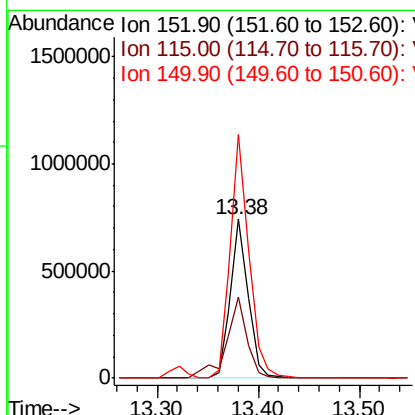
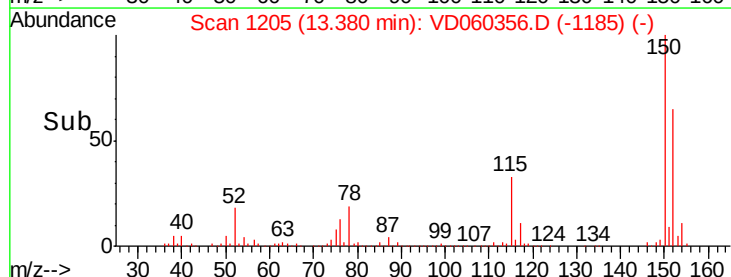


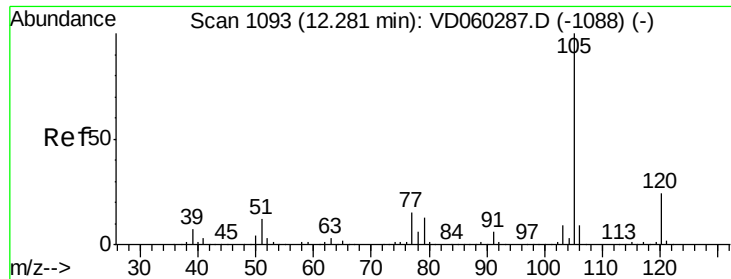
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion:152 Resp: 904149
Ion Ratio Lower Upper
152 100
115 51.3 24.1 72.3
150 153.5 0.0 310.6



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





#73

Isopropylbenzene

Concen: 20.538 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

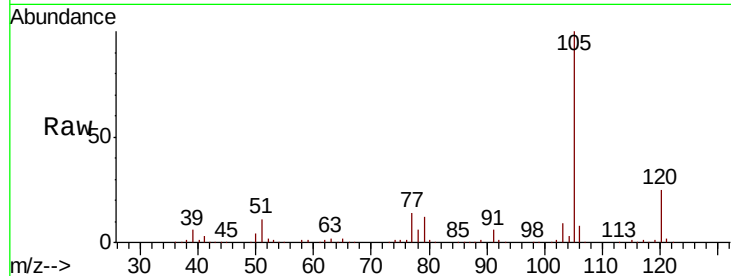
VD1113SBSD01

Tot Ion:105 Resp: 1352920

Ion Ratio Lower Upper

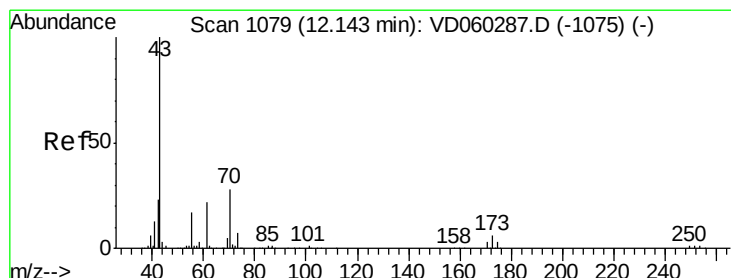
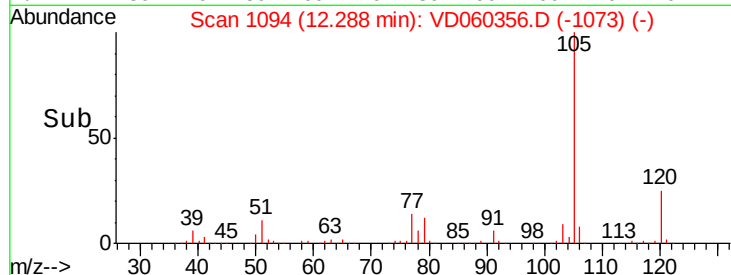
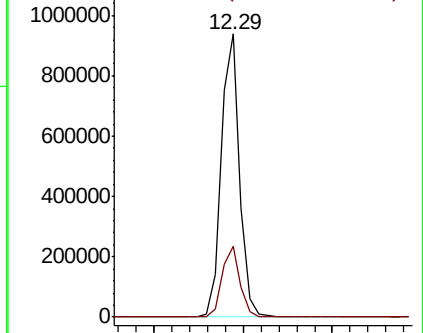
105 100

120 25.3 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: 19.348 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Tgt Ion: 43 Resp: 326769

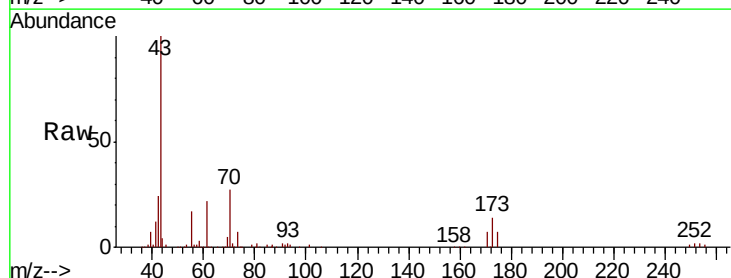
Ion Ratio Lower Upper

43 100

70 26.9 23.0 34.4

55 17.0 14.2 21.4

61 21.6 17.8 26.8

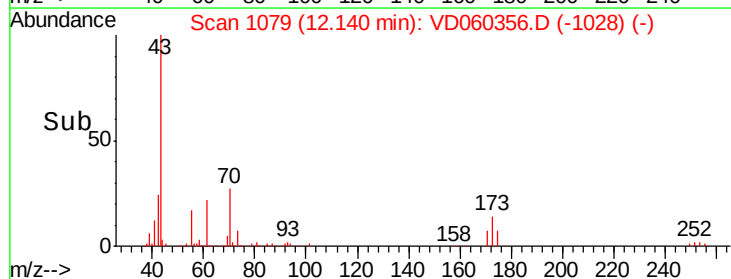
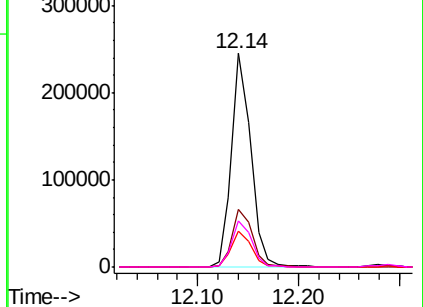


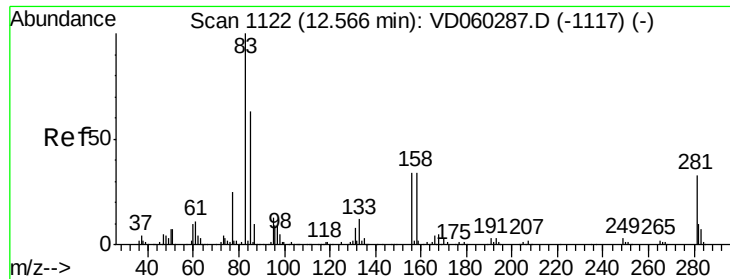
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.560 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBS01

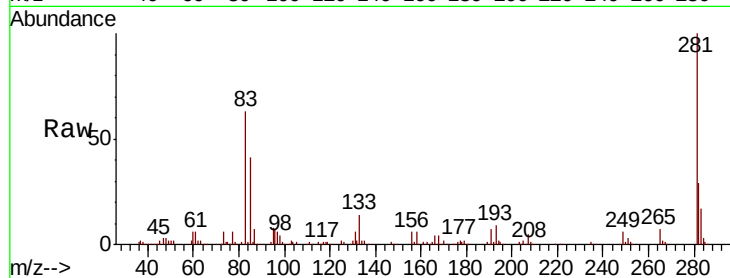
Tot Ion: 83 Resp: 221497

Ion Ratio Lower Upper

83 100

131 10.2 3.9 11.5

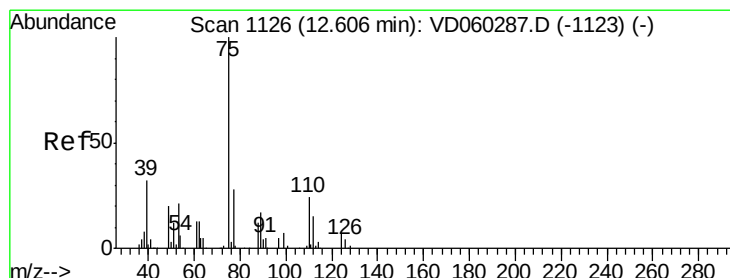
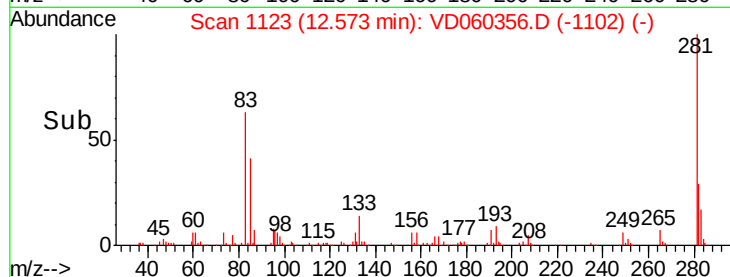
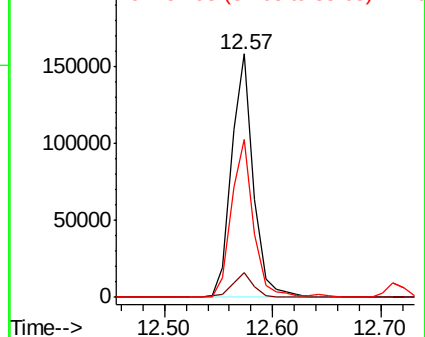
85 65.1 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.111 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060356.D

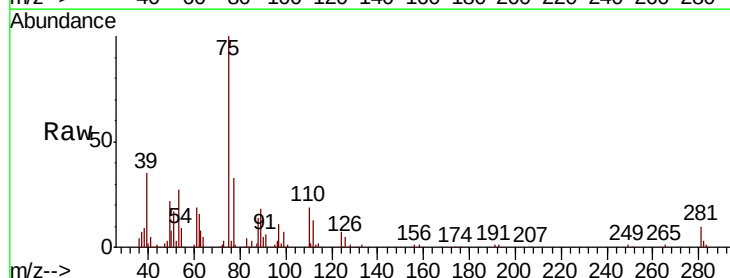
Acq: 13 Nov 2018 13:09

Tgt Ion: 75 Resp: 228332

Ion Ratio Lower Upper

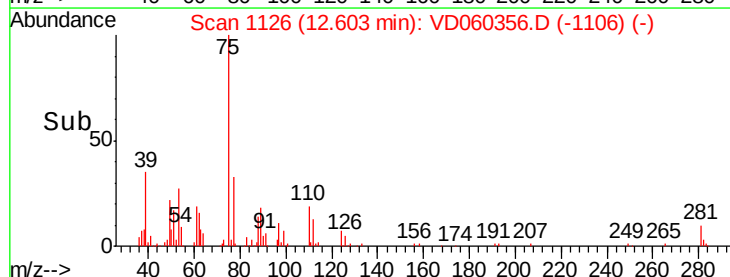
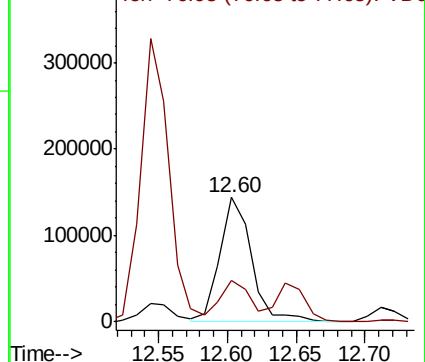
75 100

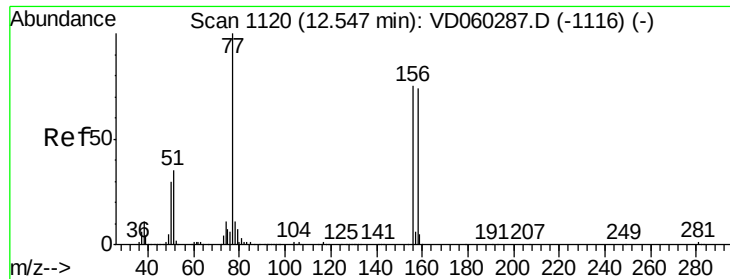
77 32.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

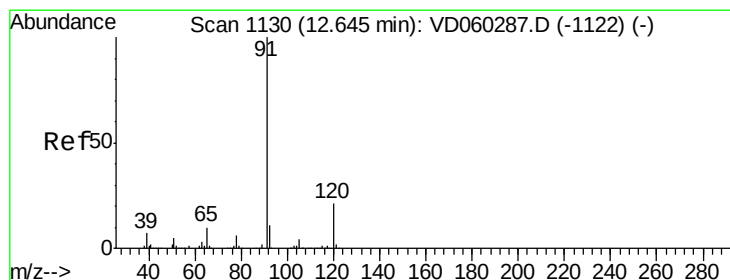
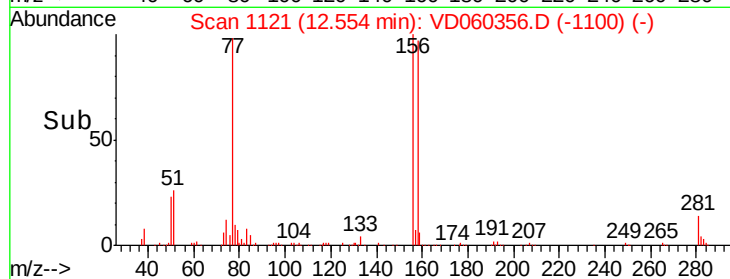
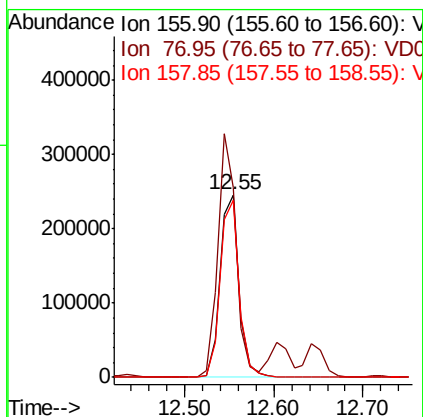
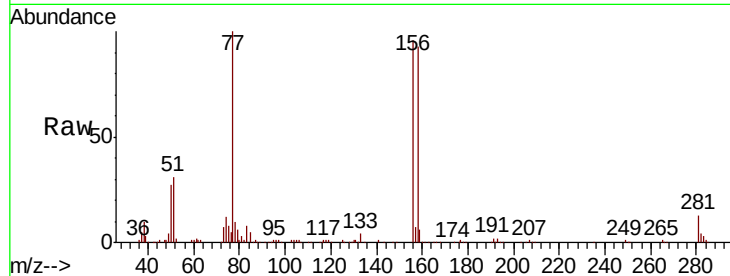




#77
Bromobenzene
Concen: 21.053 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

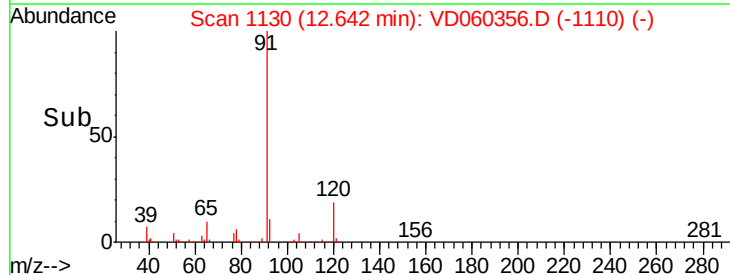
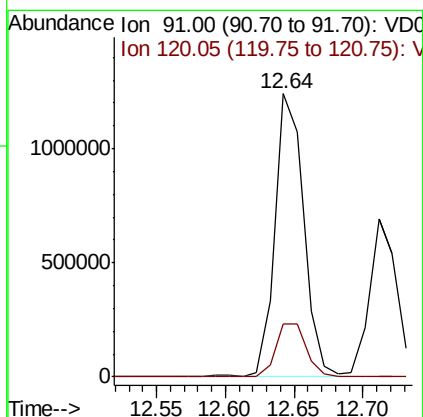
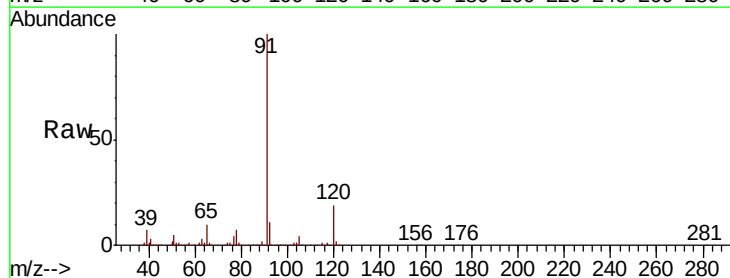
Instrument :
MSVOA_D
ClientSampleId :
VD1113SBS01

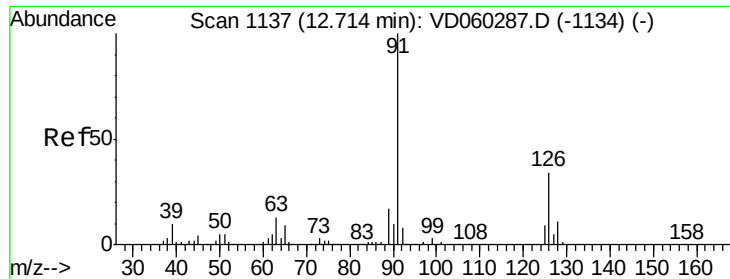
Tot Ion:156 Resp: 368390
Ion Ratio Lower Upper
156 100
77 103.7 61.2 183.6
158 96.6 49.2 147.6



#78
n-propylbenzene
Concen: 21.745 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion: 91 Resp: 1787908
Ion Ratio Lower Upper
91 100
120 18.8 10.4 31.4





#79

2-Chlorotoluene

Concen: 21.251 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

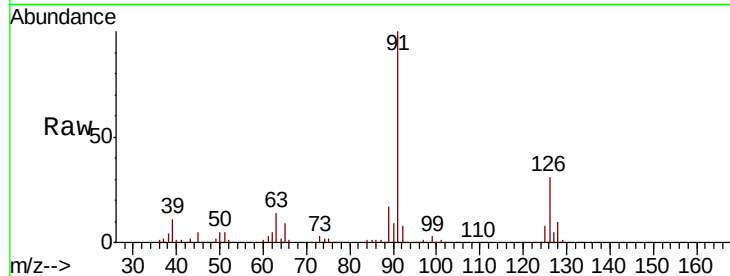
VD1113SBSD01

Tot Ion: 91 Resp: 957011

Ion Ratio Lower Upper

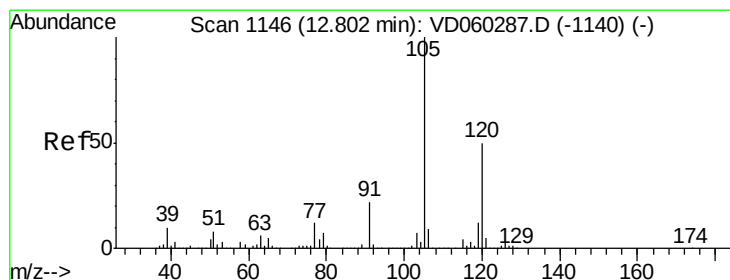
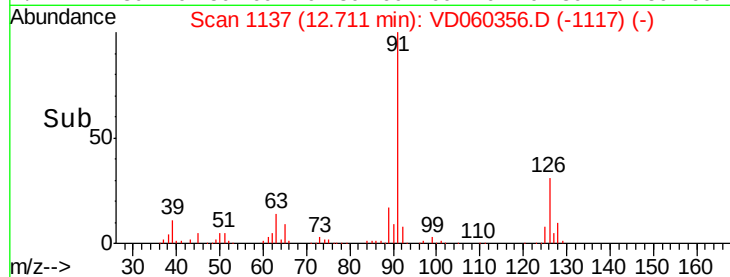
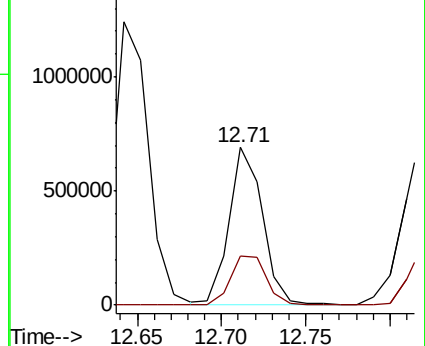
91 100

126 31.5 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: 21.266 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060356.D

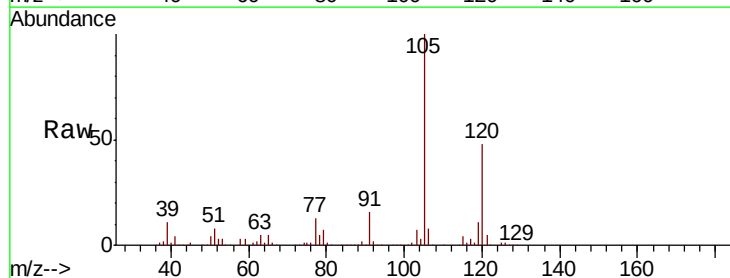
Acq: 13 Nov 2018 13:09

Tgt Ion:105 Resp: 1088689

Ion Ratio Lower Upper

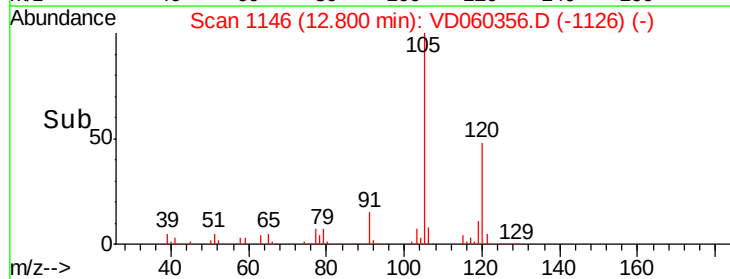
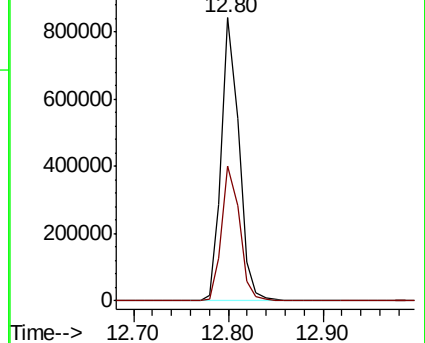
105 100

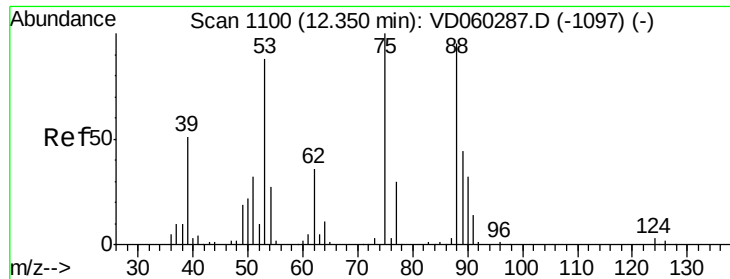
120 47.8 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.624 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBSD01

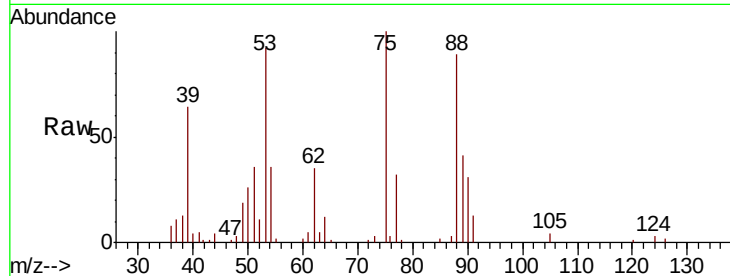
Tot Ion: 75 Resp: 60426

Ion Ratio Lower Upper

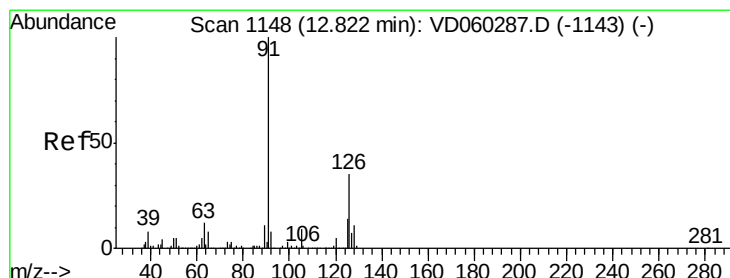
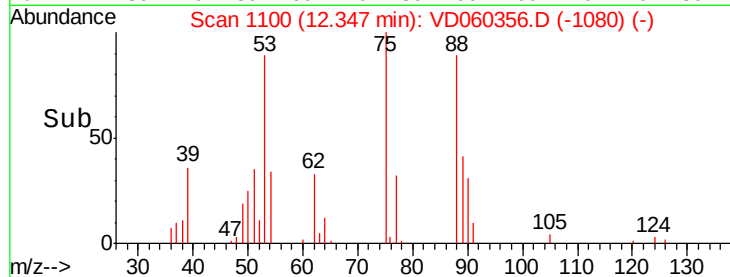
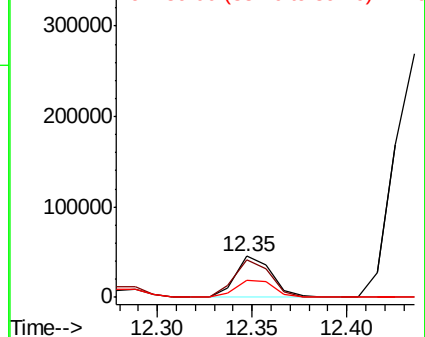
75 100

53 92.2 68.6 103.0

89 41.0 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: 21.915 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060356.D

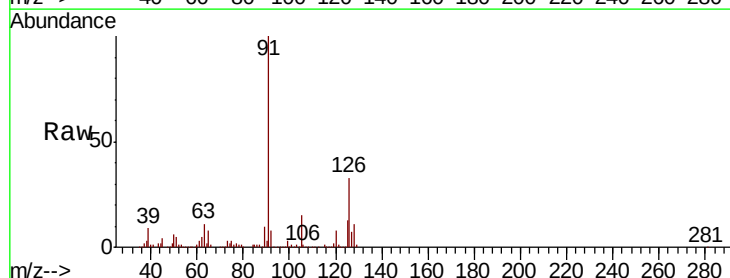
Acq: 13 Nov 2018 13:09

Tgt Ion: 91 Resp: 1108593

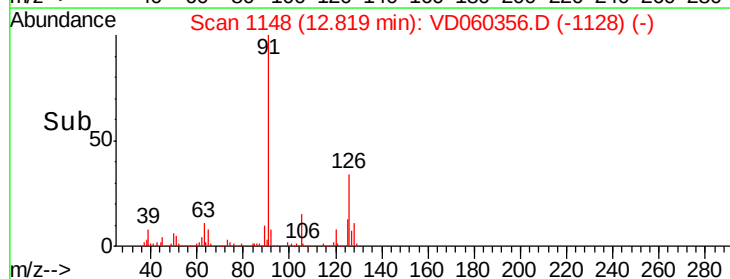
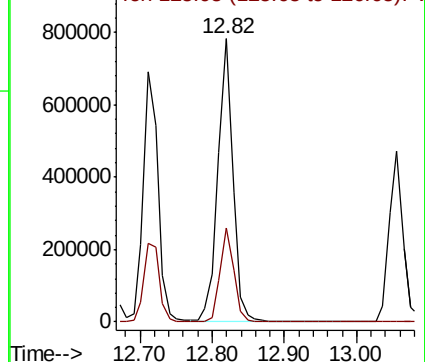
Ion Ratio Lower Upper

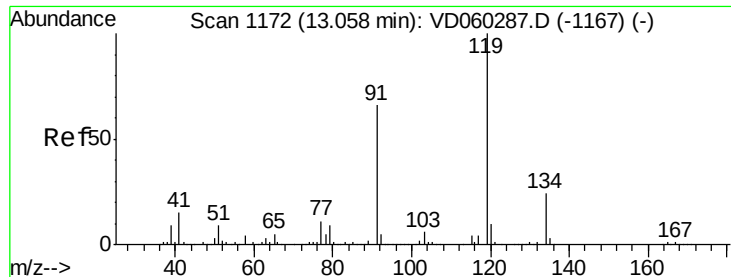
91 100

126 33.1 14.8 44.4



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

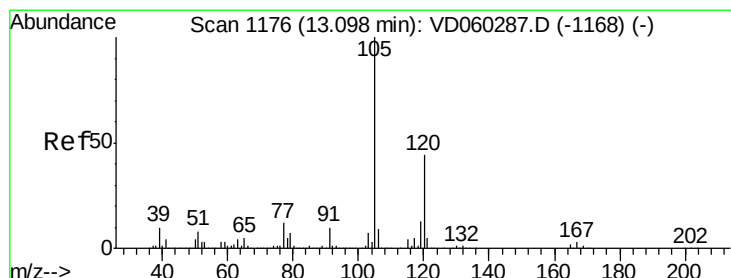
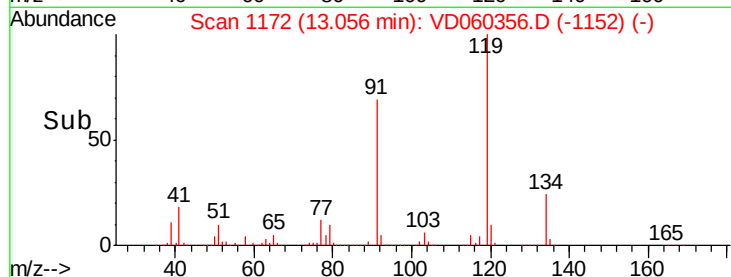
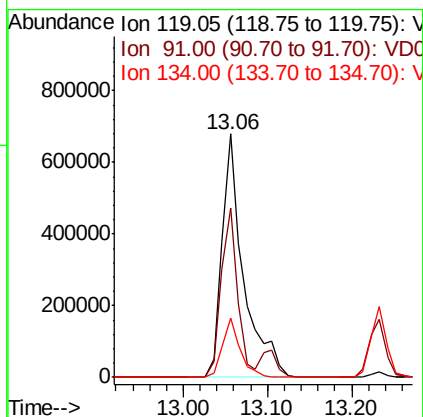
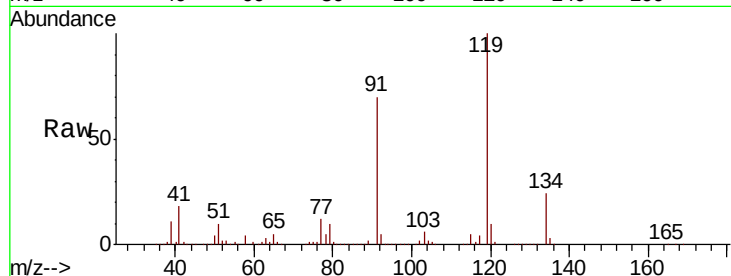




#83
 tert-Butylbenzene
 Concen: 21.357 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

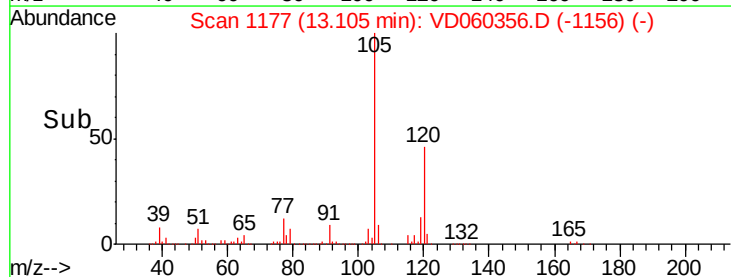
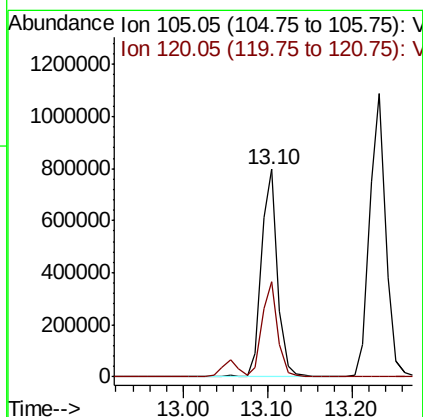
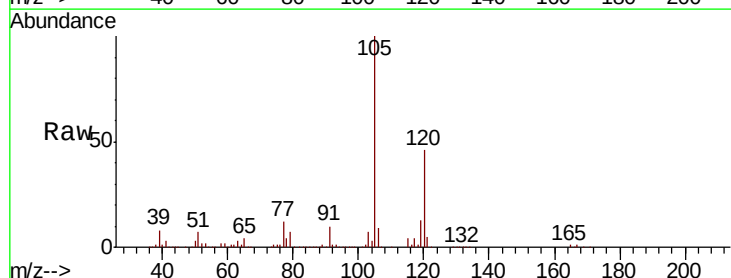
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

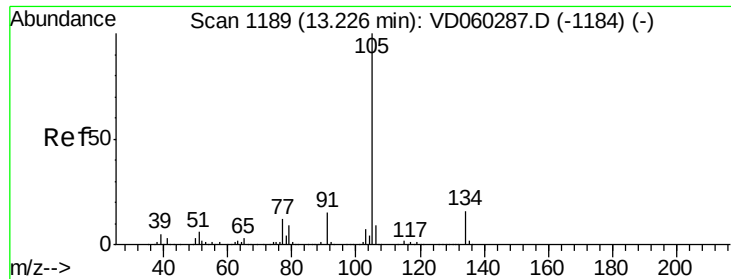
Tot Ion:119 Resp: 1213882
 Ion Ratio Lower Upper
 119 100
 91 69.7 32.7 98.1
 134 24.3 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.066 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion:105 Resp: 1077040
 Ion Ratio Lower Upper
 105 100
 120 46.1 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.602 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

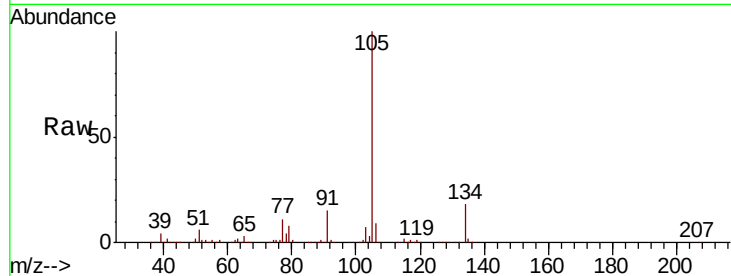
VD1113SBS01

Tot Ion:105 Resp: 1436649

Ion Ratio Lower Upper

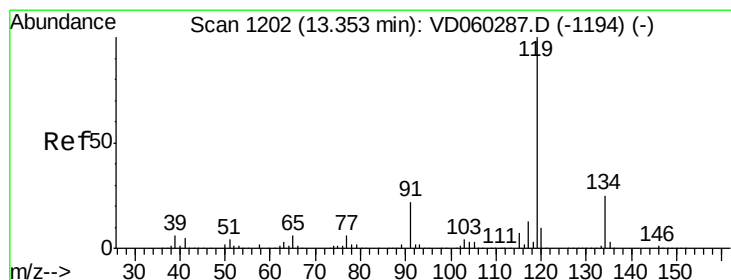
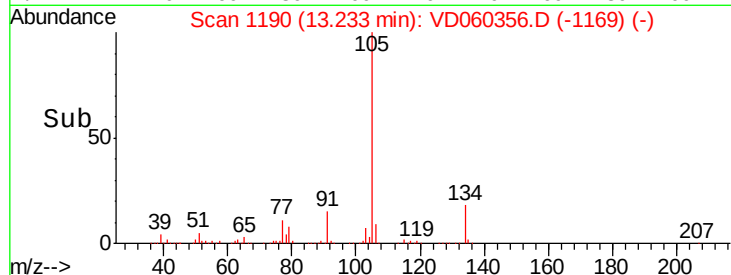
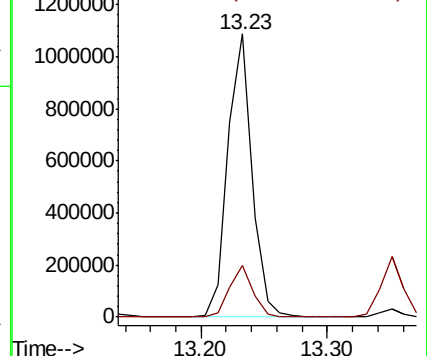
105 100

134 18.1 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.444 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

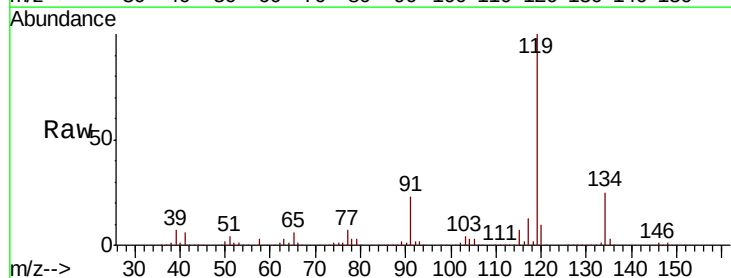
Tgt Ion:119 Resp: 1148027

Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.6

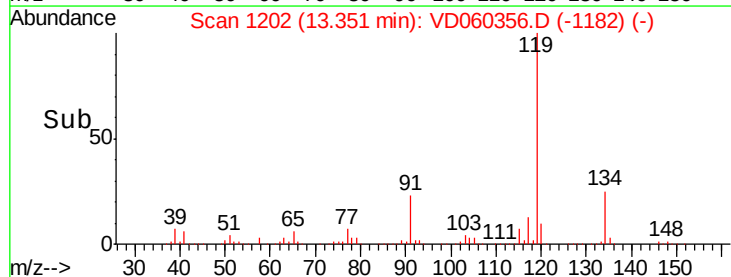
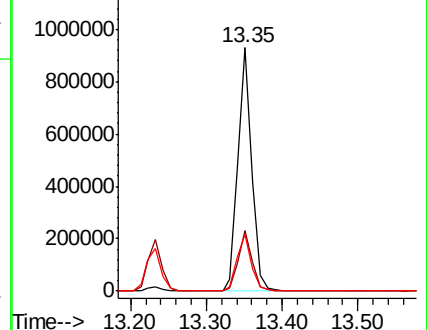
91 23.3 11.3 33.8

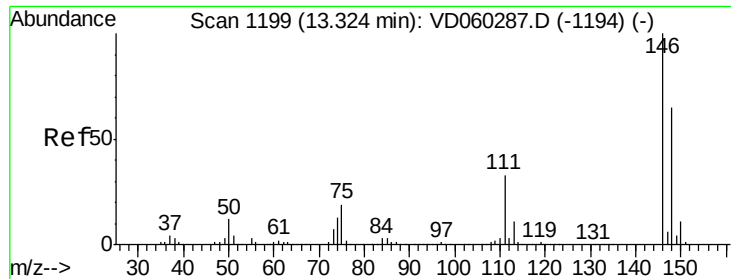


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

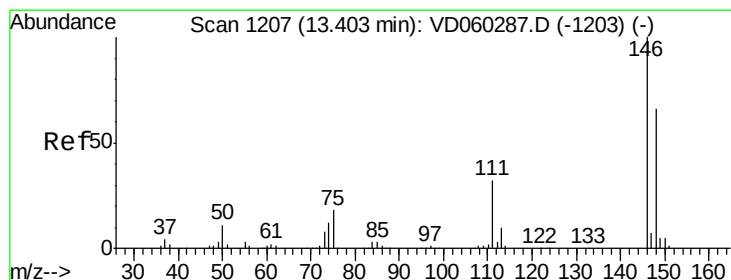
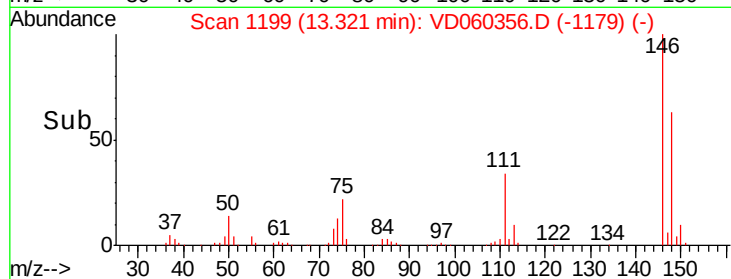
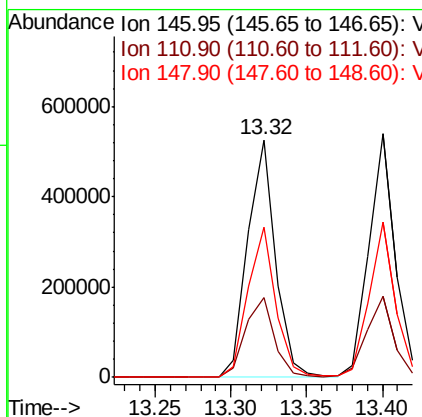
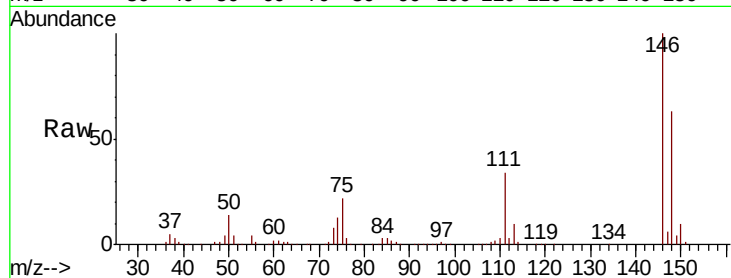




#87
 1,3-Dichlorobenzene
 Concen: 21.687 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

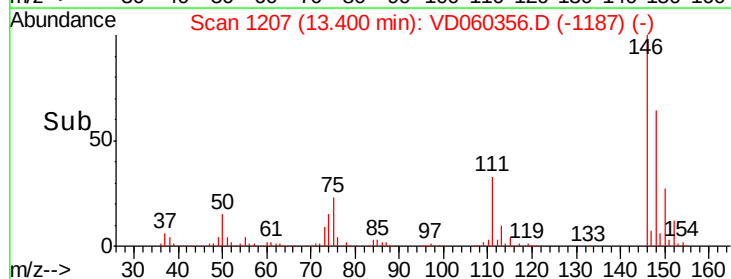
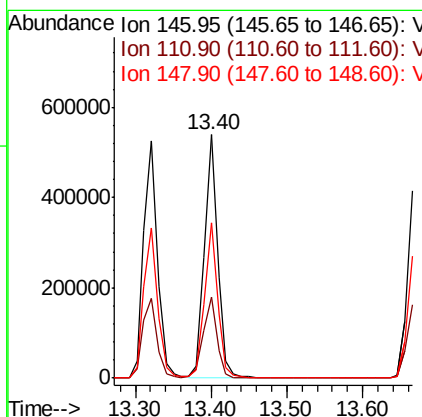
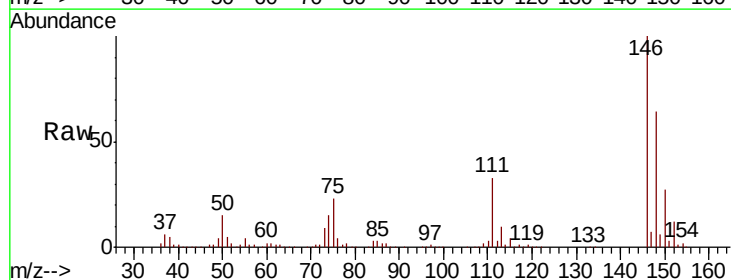
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

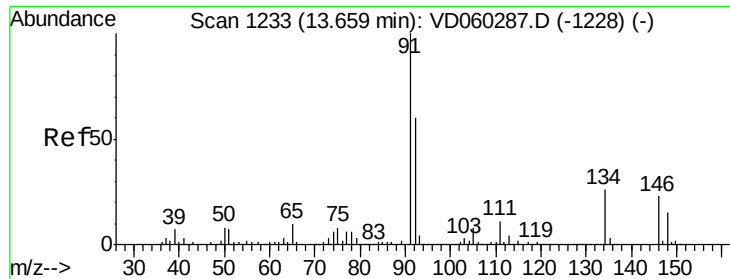
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	20.2	60.5
148	63.4	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.667 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.2	16.0	47.9
148	63.7	32.9	98.7

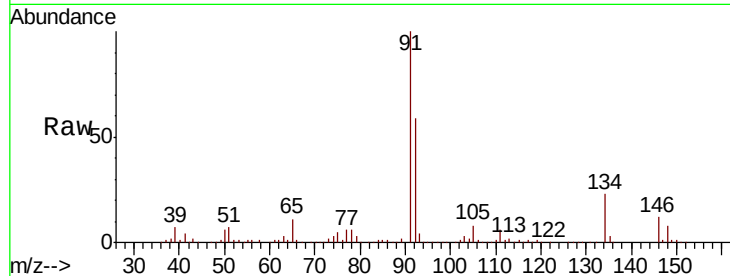




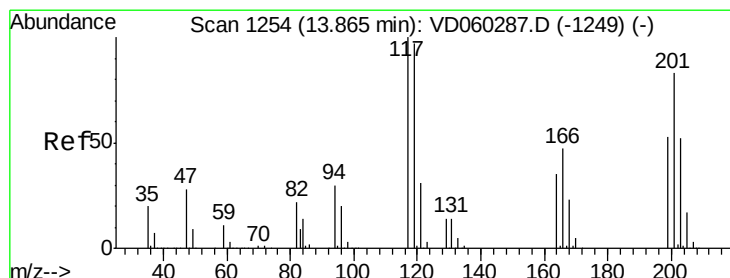
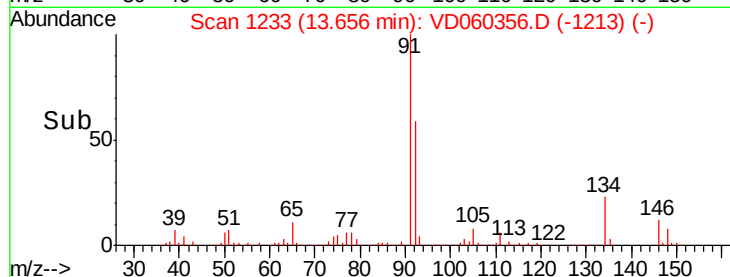
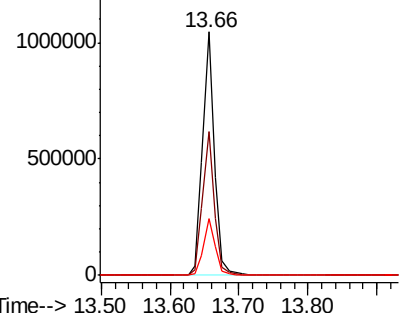
#89
n-Butylbenzene
Concen: 20.166 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD1113BSD01

Tot Ion: 91 Resp: 1244446
Ion Ratio Lower Upper
91 100
92 59.0 30.3 90.9
134 23.2 13.0 38.9

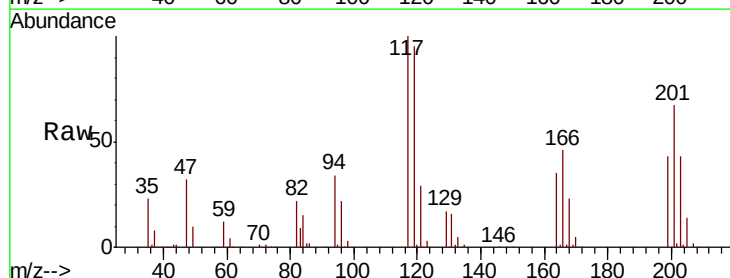


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

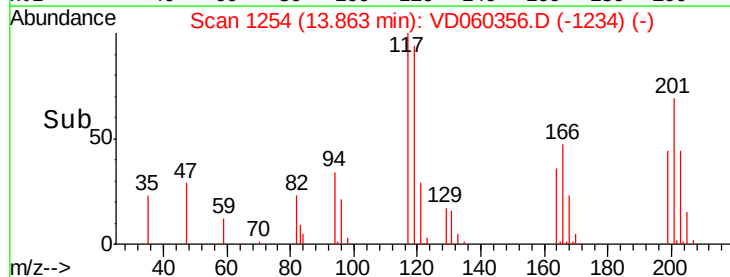
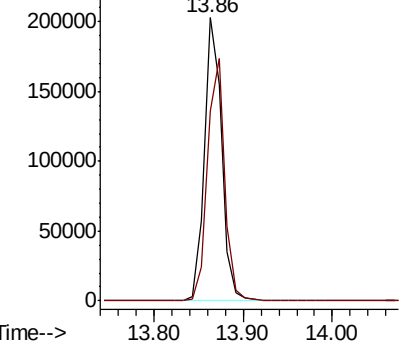


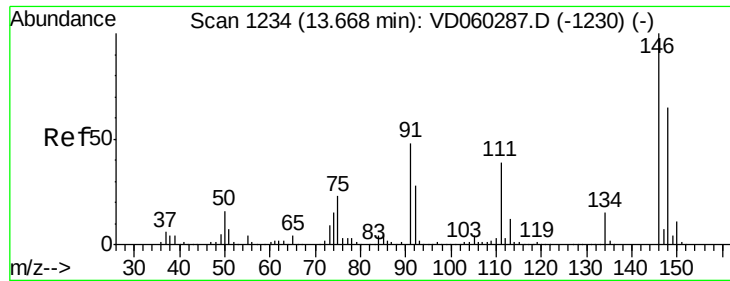
#90
Hexachloroethane
Concen: 20.707 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060356.D
Acq: 13 Nov 2018 13:09

Tgt Ion: 117 Resp: 275731
Ion Ratio Lower Upper
117 100
201 67.2 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

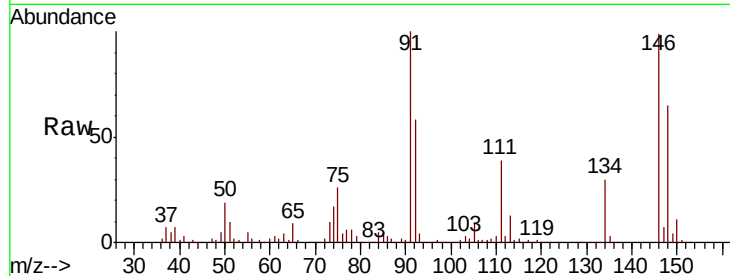




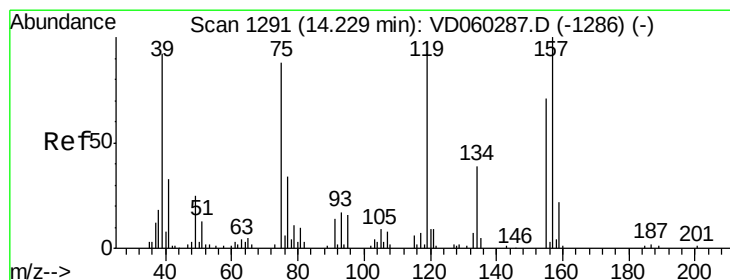
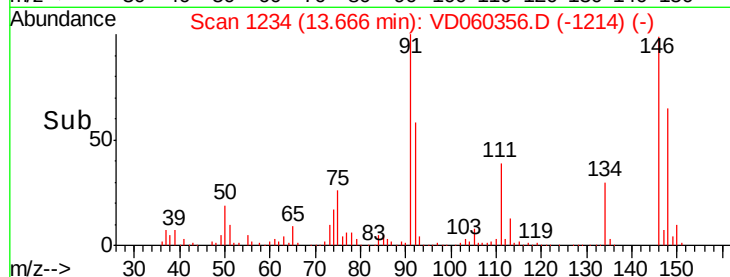
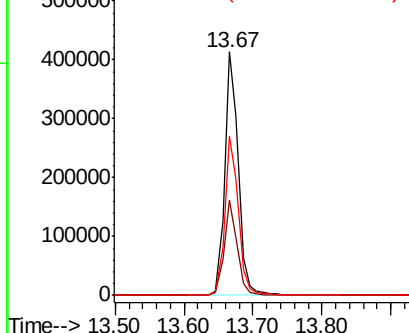
#91
 1,2-Dichlorobenzene
 Concen: 22.006 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

Tot Ion:146 Resp: 562696
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.9
 148 65.6 31.6 94.8

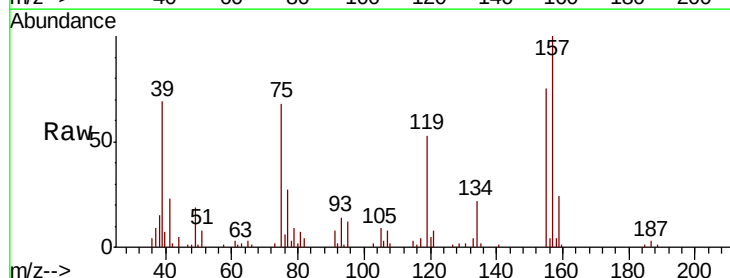


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

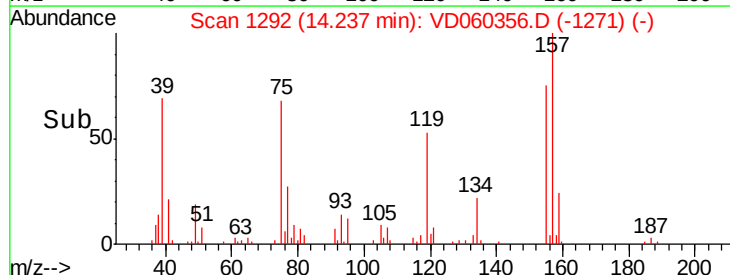
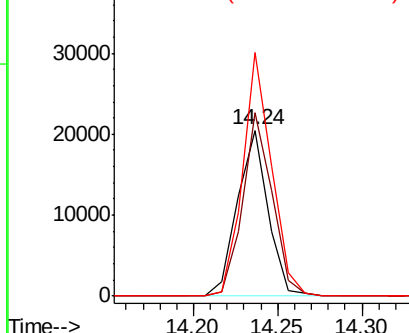


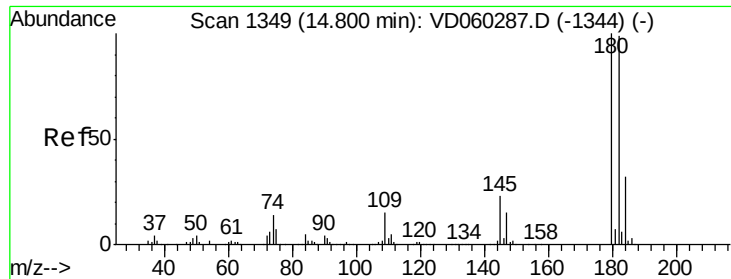
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.856 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion: 75 Resp: 25822
 Ion Ratio Lower Upper
 75 100
 155 110.4 64.3 192.9
 157 146.8 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

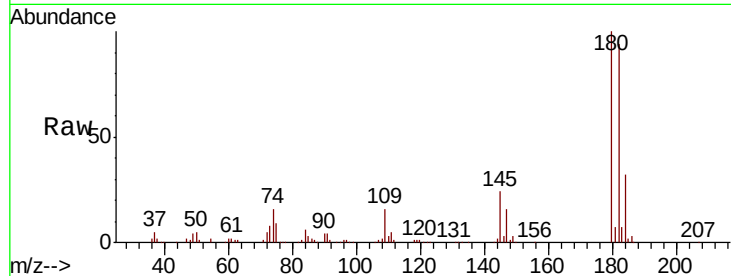




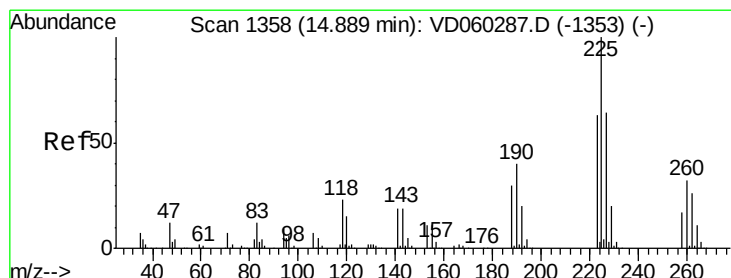
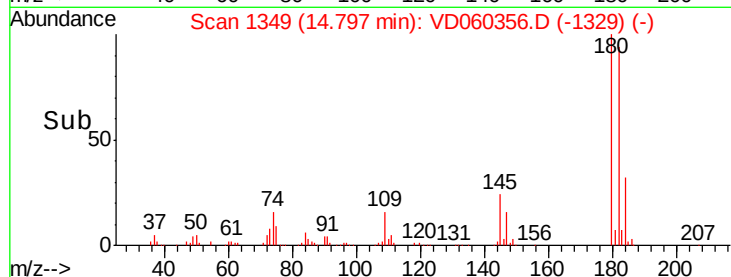
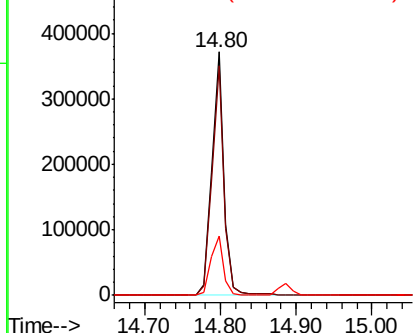
#93
 1,2,4-Trichlorobenzene
 Concen: 20.844 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1113SBSD01

Tot Ion:180 Resp: 422580
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.1 144.4
 145 24.5 11.5 34.4

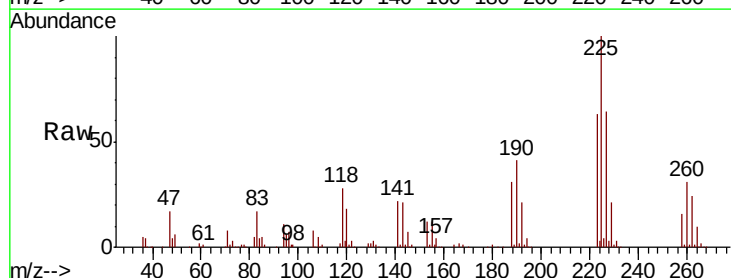


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

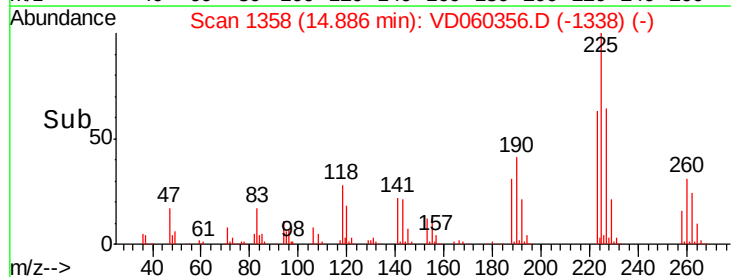
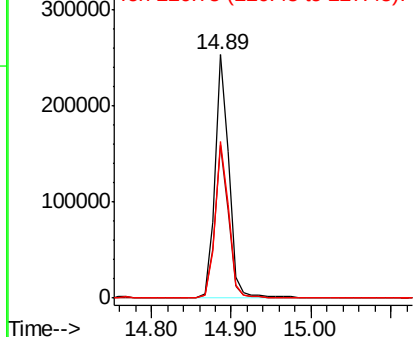


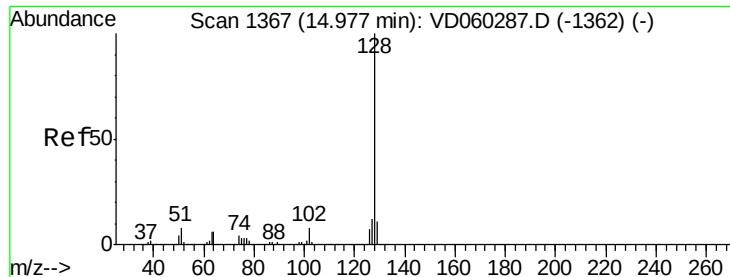
#94
 Hexachlorobutadiene
 Concen: 20.697 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060356.D
 Acq: 13 Nov 2018 13:09

Tgt Ion:225 Resp: 313855
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 94.8
 227 64.2 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: 20.058 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD1113SBSD01

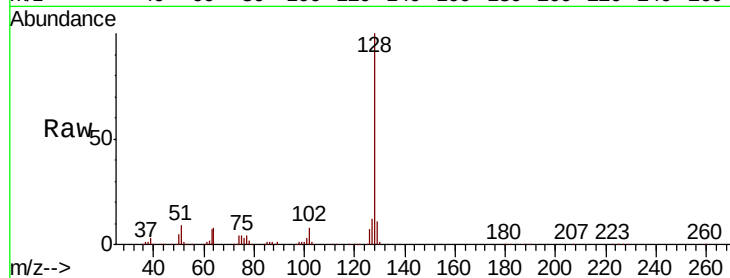
Tot Ion:128 Resp: 496558

Ion Ratio Lower Upper

128 100

127 12.1 9.6 14.4

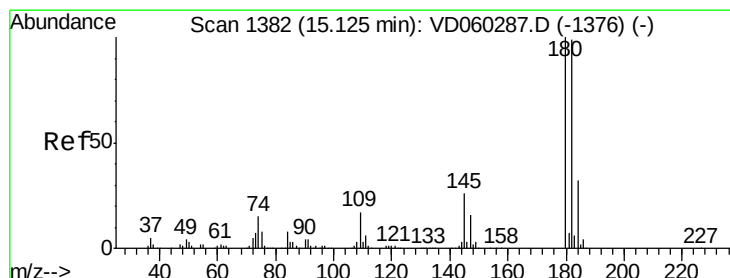
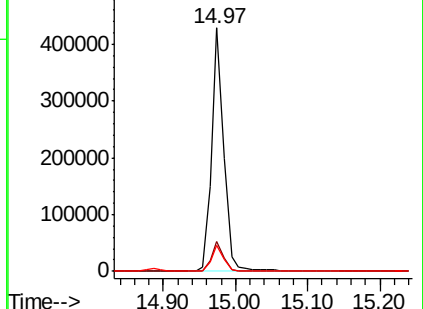
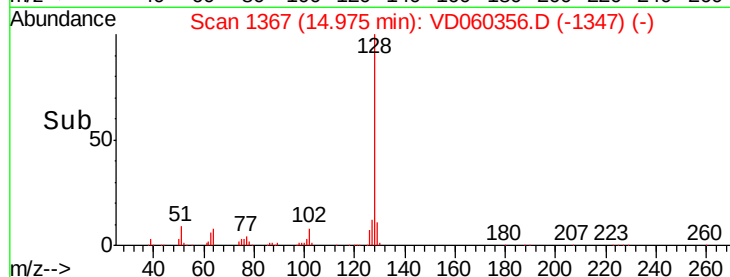
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.337 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060356.D

Acq: 13 Nov 2018 13:09

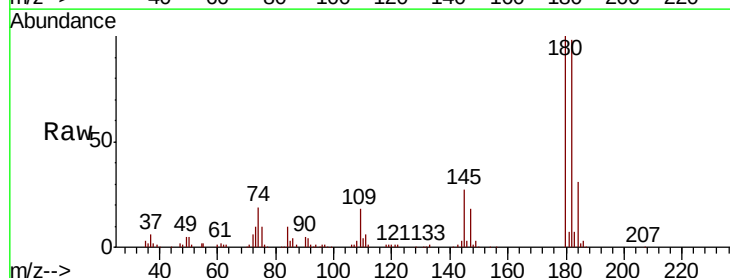
Tgt Ion:180 Resp: 330399

Ion Ratio Lower Upper

180 100

182 98.3 48.9 146.7

145 27.4 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

