

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058356.D
 Acq On : 23 Jun 2018 22:25
 Operator : VA/AP
 Sample : J3671-07
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	828073	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1115204	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	918035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	460494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	491954	58.82	ug/l	0.03
Spiked Amount			Recovery	=	117.64%	
35) Dibromofluoromethane	5.57	113	503178	55.44	ug/l	0.02
Spiked Amount			Recovery	=	110.88%	
50) Toluene-d8	8.72	98	1182249	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	11.94	95	497101	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	893	Below Cal	#	43
3) Chloromethane	1.57	50	32297	5.02	ug/l	# 43
4) Vinyl Chloride	1.57	62	4191187	966.18	ug/l	97
5) Bromomethane	1.94	94	223	Below Cal		98
6) Chloroethane	1.91	64	27465	16.31	ug/l	93
11) Tert butyl alcohol	3.25	59	2480	8.99	ug/l	# 78
12) 1,1-Dichloroethene	2.57	96	106862	37.56	ug/l	93
13) Acrolein	2.31	56	184	1.17	ug/l	# 11
16) Acetone	2.63	43	53425	46.71	ug/l	94
20) Methylene Chloride	3.10	84	37733	8.70	ug/l	94
21) trans-1,2-Dichloroethene	3.41	96	337393	108.51	ug/l	84
24) 1,1-Dichloroethane	3.99	63	730642	51.57	ug/l	99
27) cis-1,2-Dichloroethene	4.83	96	15575883	2004.70	ug/l	97
28) Bromochloromethane	5.18	49	6495	1.02	ug/l	# 17
29) Tetrahydrofuran	5.21	42	10072	7.59	ug/l	# 60
30) Chloroform	5.35	83	33110	2.21	ug/l	99
31) Cyclohexane	5.66	56	32000	Below Cal	#	7
36) 1,1-Dichloropropene	5.67	75	60940	5.52	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	69706	6.36	ug/l	# 14
39) Methylcyclohexane	7.30	83	35057	3.26	ug/l	# 95
40) Benzene	6.03	78	361475	13.75	ug/l	98
41) Methacrylonitrile	5.21	41	5340	1.76	ug/l	# 44
42) 1,2-Dichloroethane	6.15	62	47352	4.47	ug/l	98
44) Trichloroethene	7.00	130	331115	41.96	ug/l	98
52) Toluene	8.82	92	144232	9.64	ug/l	100
55) 1,1,2-Trichloroethane	9.47	97	71822	13.57	ug/l	90
65) Chlorobenzene	10.73	112	1030471	60.01	ug/l	100
68) m/p-Xylenes	11.02	106	29716	2.94	ug/l	89
73) Isopropylbenzene	11.78	105	28922	1.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.10	83	7850	1.22	ug/l	# 43
78) n-propylbenzene	12.15	91	44072	1.24	ug/l	92
80) 1,3,5-Trimethylbenzene	12.32	105	50986	2.37	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	238133	145.22	ug/l	# 1
82) 4-Chlorotoluene	12.32	91	8351	Below Cal	#	58

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QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

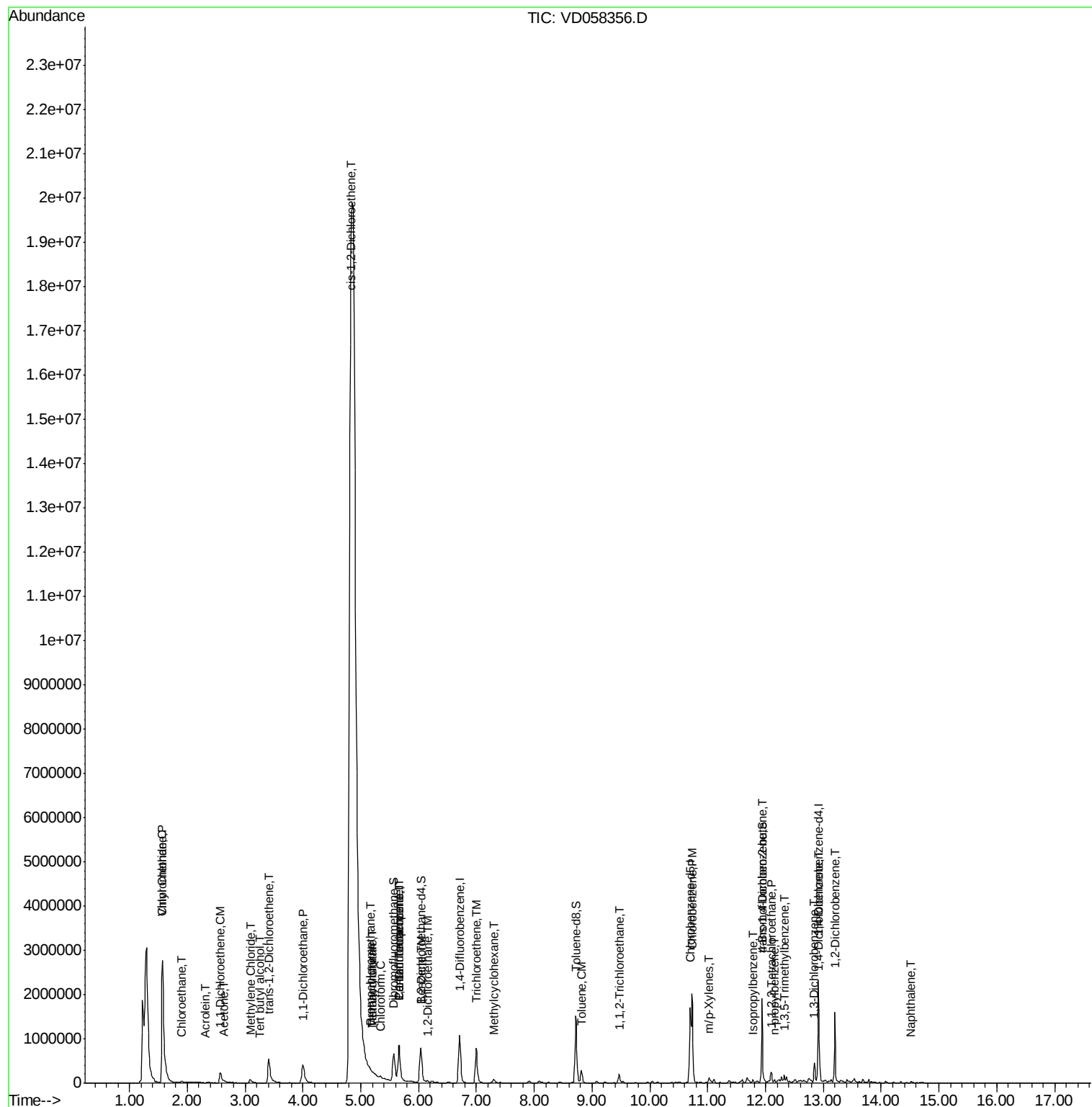
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.84	146	117588	8.20	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	233945	16.71	ug/l	97
91) 1,2-Dichlorobenzene	13.20	146	442872	36.30	ug/l	99
95) Naphthalene	14.52	128	16096	1.05	ug/l #	93

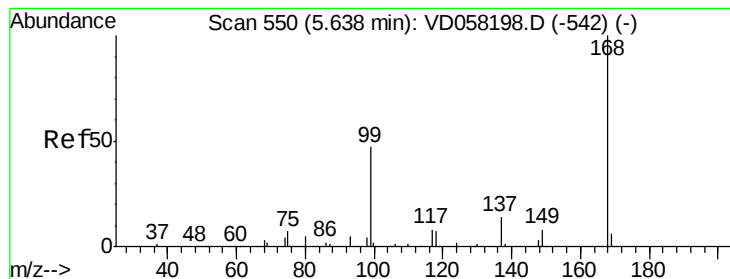
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062318\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

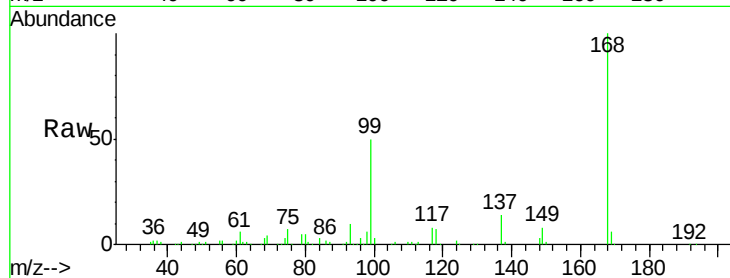
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 828073

Ion Ratio Lower Upper

168 100

99 50.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.67

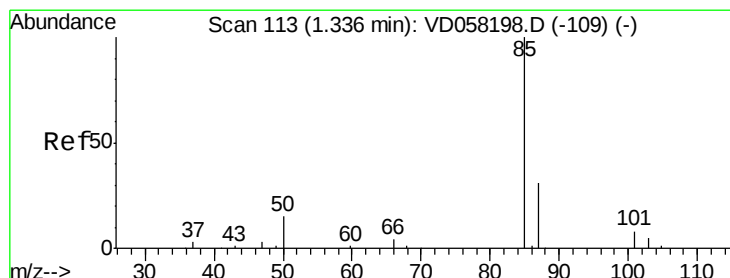
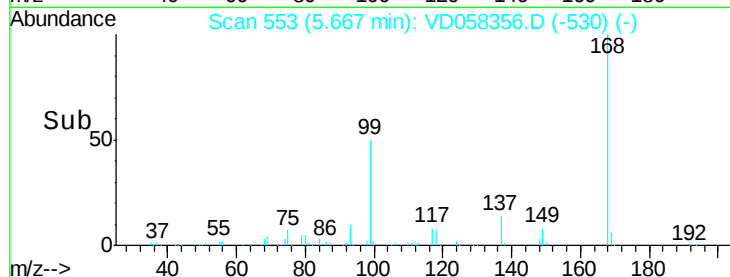
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 116

Delta R.T. 0.03 min

Lab File: VD058356.D

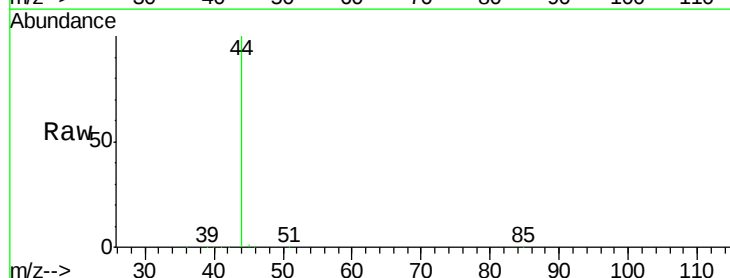
Acq: 23 Jun 2018 22:25

Tgt Ion: 85 Resp: 893

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

600

500

400

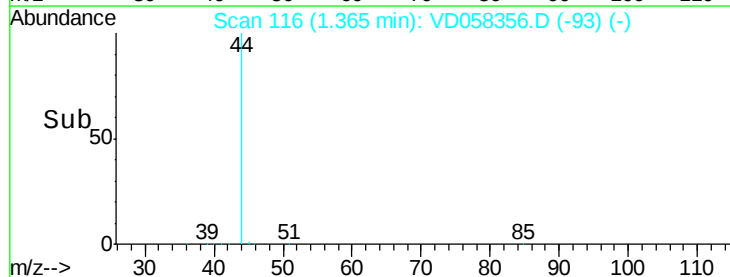
300

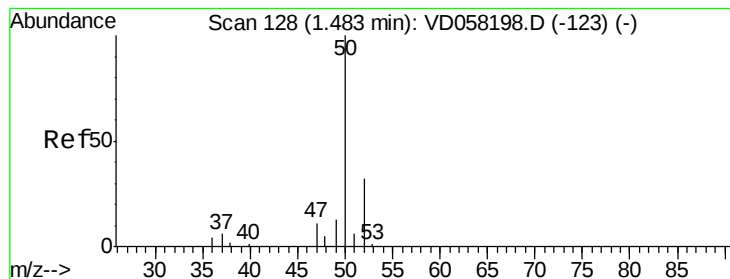
200

100

0

Time--> 1.30 1.35 1.40





#3

Chloromethane

Concen: 5.02 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.09 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

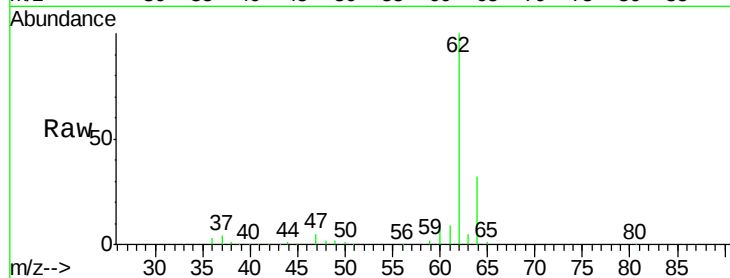
ClientSampleId :

Tot Ion: 50 Resp: 32297

Ion Ratio Lower Upper

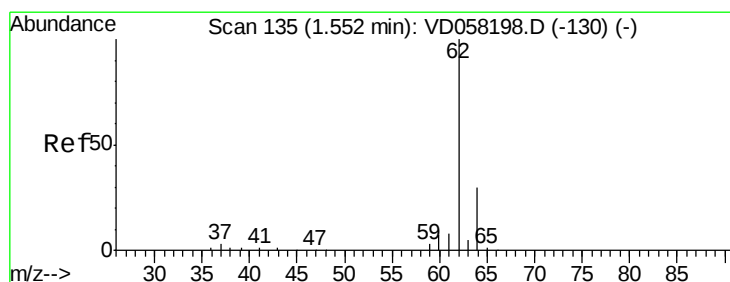
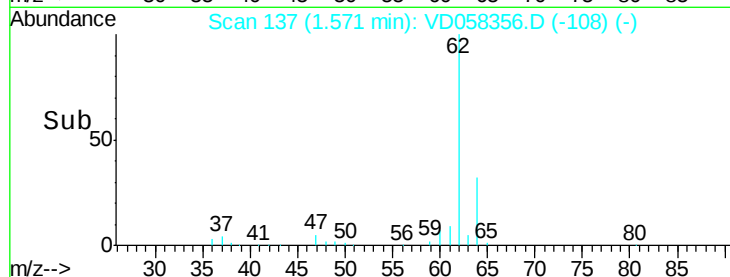
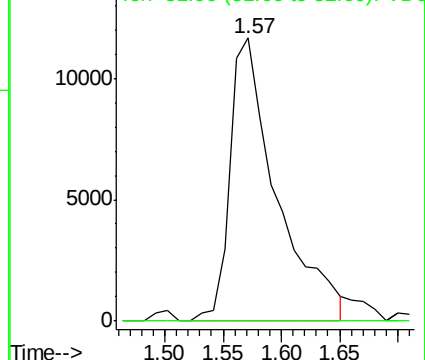
50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 966.18 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058356.D

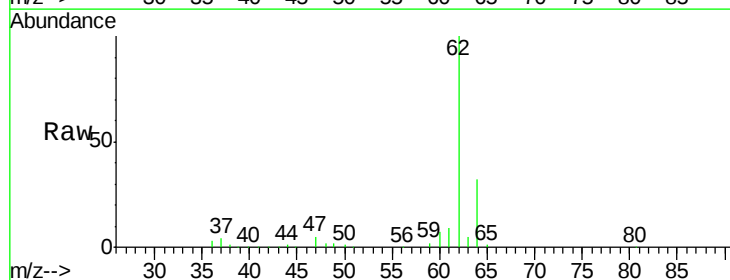
Acq: 23 Jun 2018 22:25

Tgt Ion: 62 Resp: 4191187

Ion Ratio Lower Upper

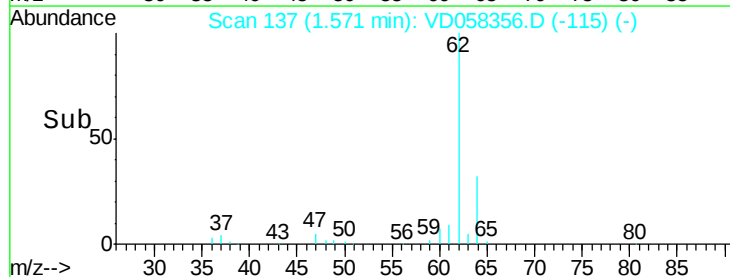
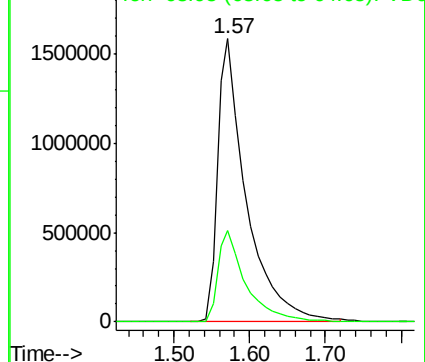
62 100

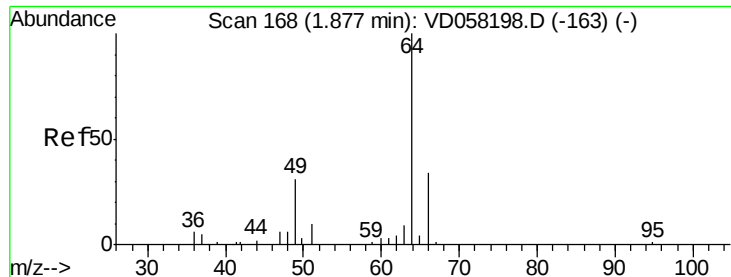
64 32.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 16.31 ug/l

RT: 1.91 min Scan# 171

Delta R.T. 0.03 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

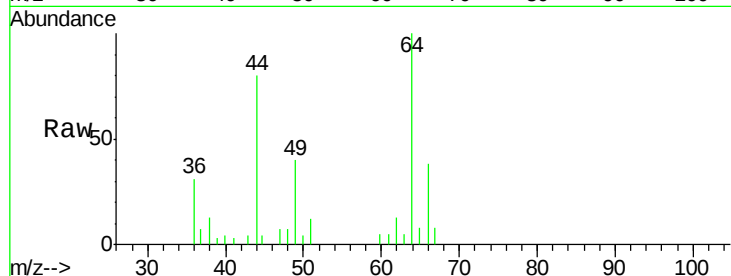
ClientSampleId :

Tot Ion: 64 Resp: 27465

Ion Ratio Lower Upper

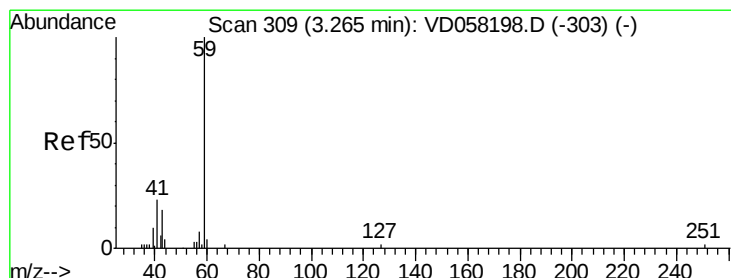
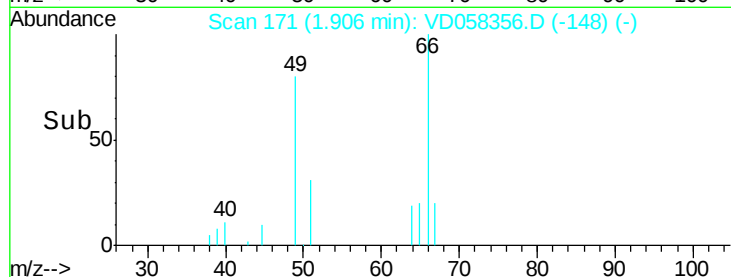
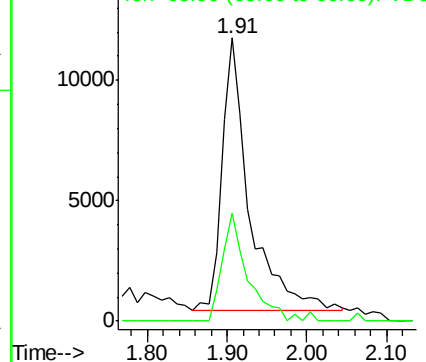
64 100

66 38.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 8.99 ug/l

RT: 3.25 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058356.D

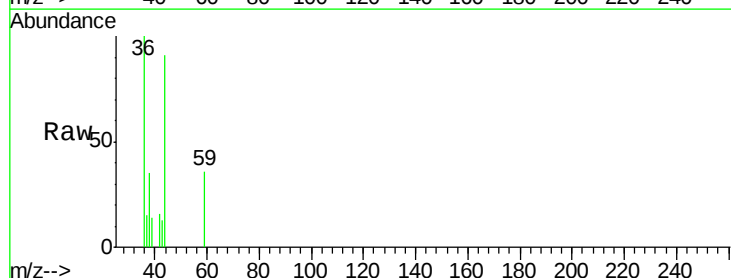
Acq: 23 Jun 2018 22:25

Tgt Ion: 59 Resp: 2480

Ion Ratio Lower Upper

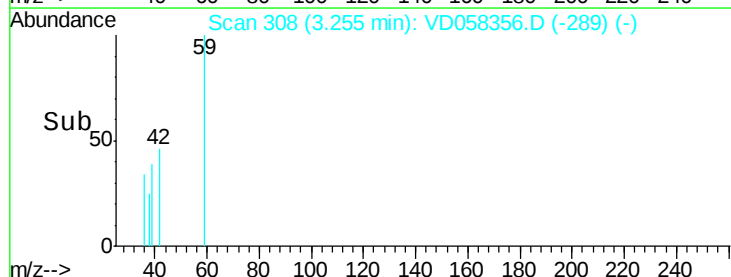
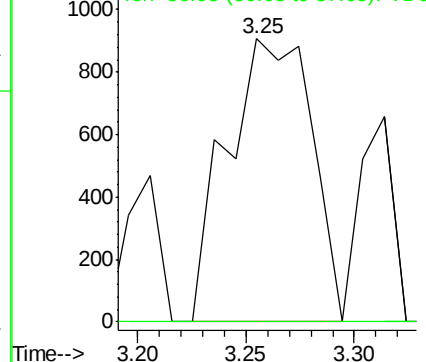
59 100

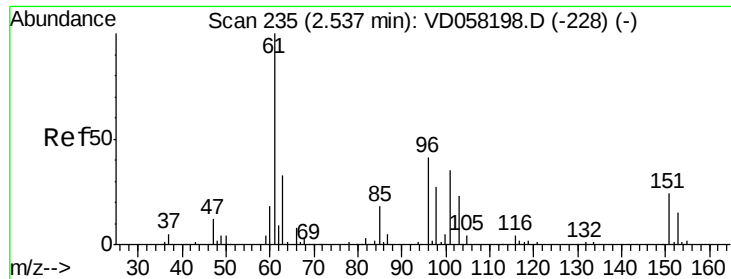
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#12

1,1-Dichloroethene

Concen: 37.56 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.03 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :
MSVOA_D
ClientSampled :

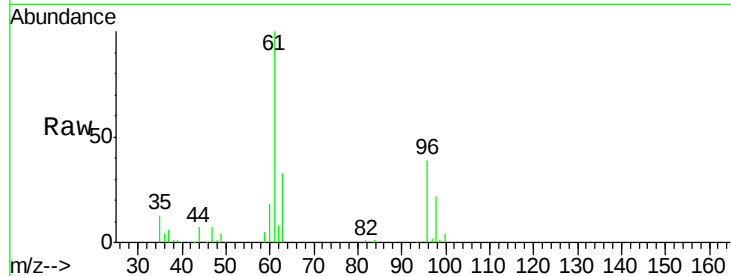
Tot Ion: 96 Resp: 106862

Ion Ratio Lower Upper

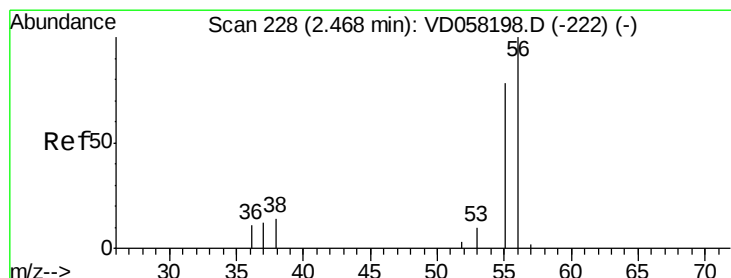
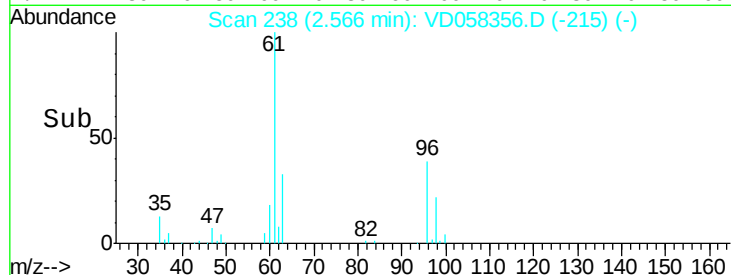
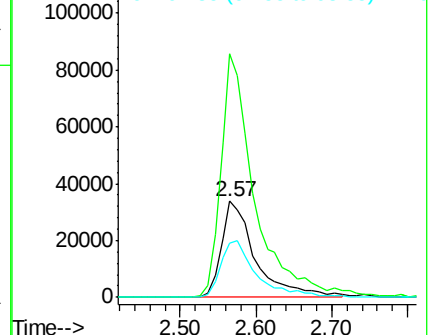
96 100

61 253.8 193.9 290.9

98 56.8 51.7 77.5



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



#13

Acrolein

Concen: 1.17 ug/l

RT: 2.31 min Scan# 212

Delta R.T. -0.16 min

Lab File: VD058356.D

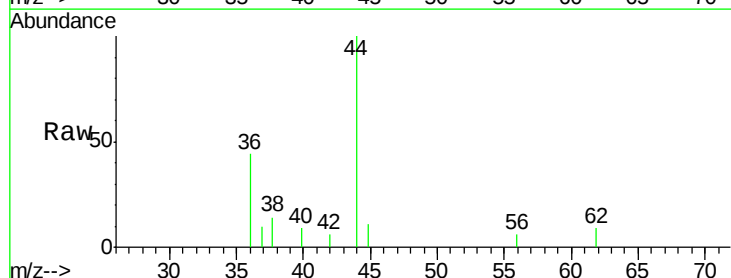
Acq: 23 Jun 2018 22:25

Tgt Ion: 56 Resp: 184

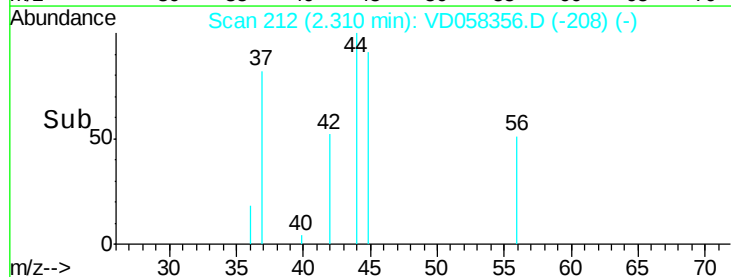
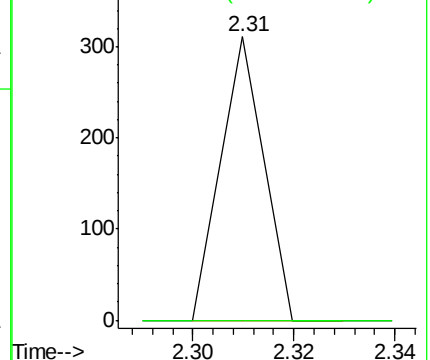
Ion Ratio Lower Upper

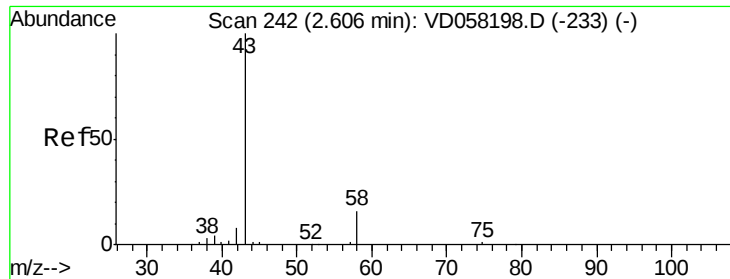
56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 46.71 ug/l

RT: 2.63 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

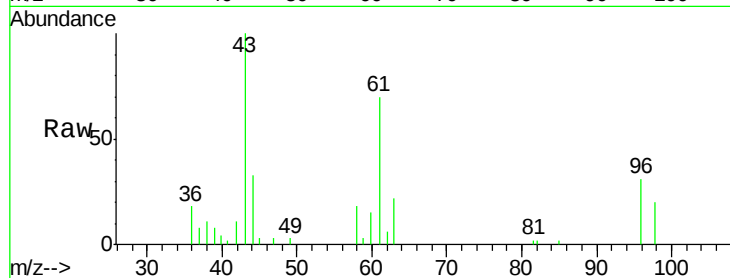
ClientSampleId :

Tot Ion: 43 Resp: 53425

Ion Ratio Lower Upper

43 100

58 18.4 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.63

15000

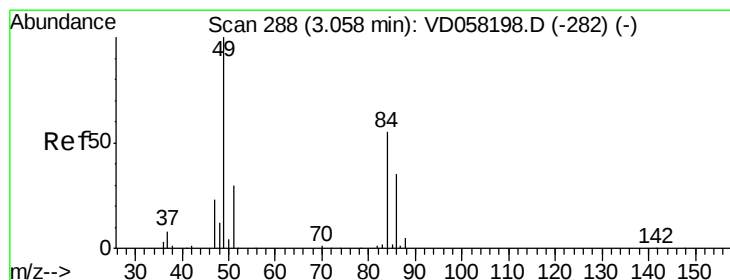
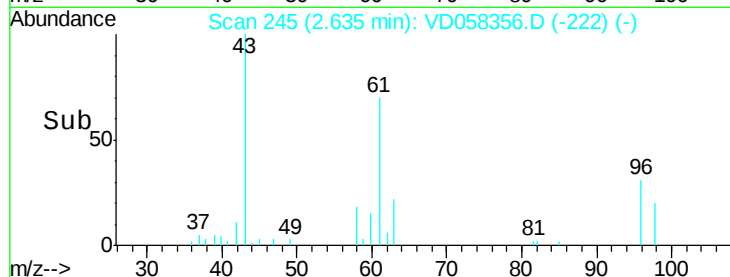
10000

5000

0

Time-->

2.50 2.60 2.70 2.80



#20

Methylene Chloride

Concen: 8.70 ug/l

RT: 3.10 min Scan# 292

Delta R.T. 0.04 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Tgt Ion: 84 Resp: 37733

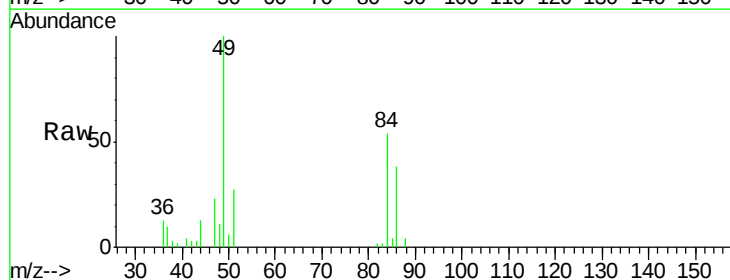
Ion Ratio Lower Upper

84 100

49 186.7 145.0 217.6

51 49.5 42.9 64.3

86 70.6 50.1 75.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.10

30000

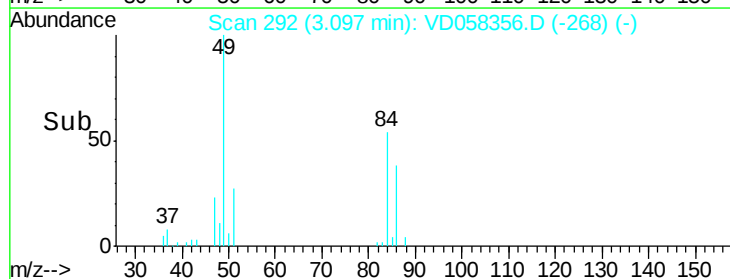
20000

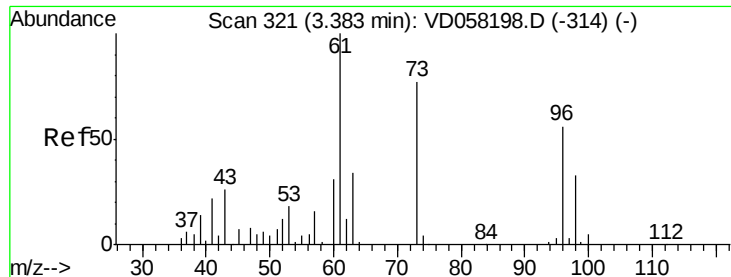
10000

0

Time-->

3.00 3.10 3.20





#21

trans-1,2-Dichloroethene

Concen: 108.51 ug/l

RT: 3.41 min Scan# 324

Delta R.T. 0.03 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampleId :

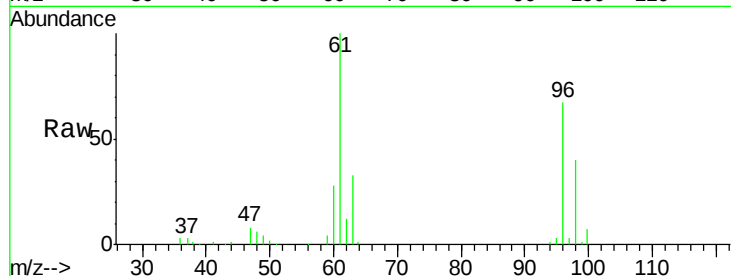
Tot Ion: 96 Resp: 337393

Ion Ratio Lower Upper

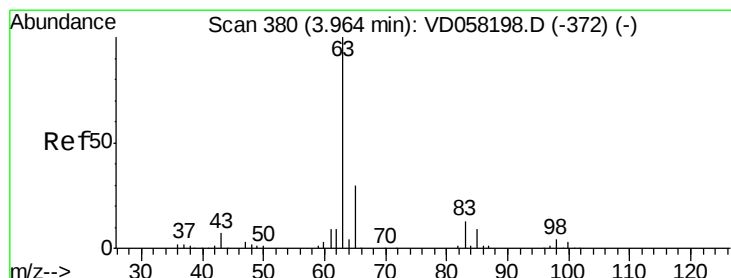
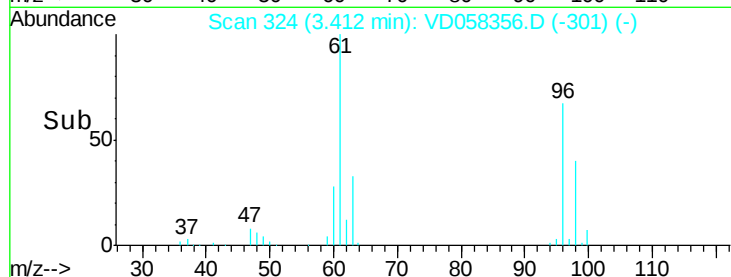
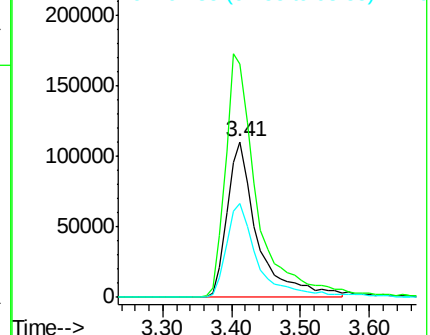
96 100

61 149.6 143.8 215.6

98 60.4 48.0 72.0



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



#24

1,1-Dichloroethane

Concen: 51.57 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

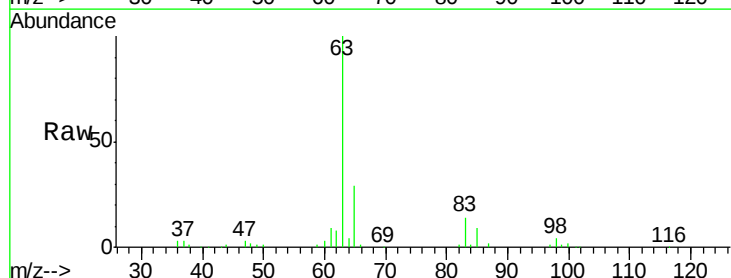
Tgt Ion: 63 Resp: 730642

Ion Ratio Lower Upper

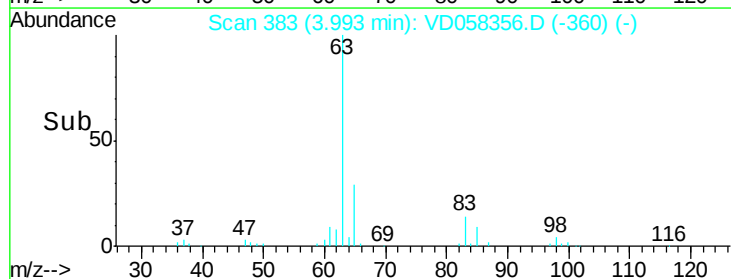
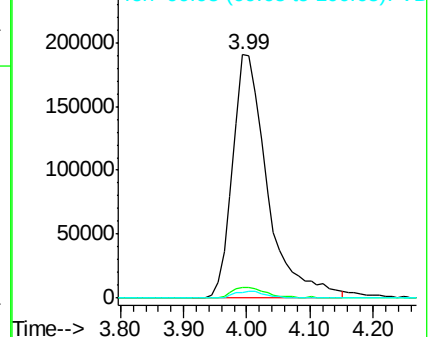
63 100

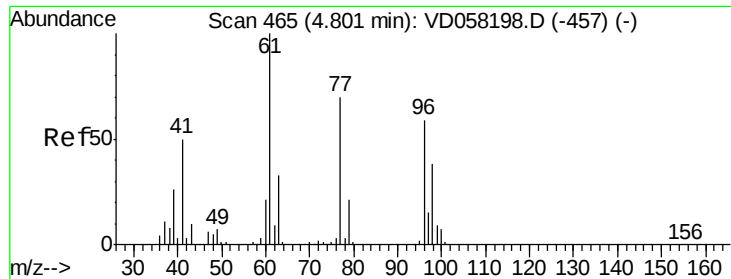
98 4.4 1.9 5.7

100 2.3 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



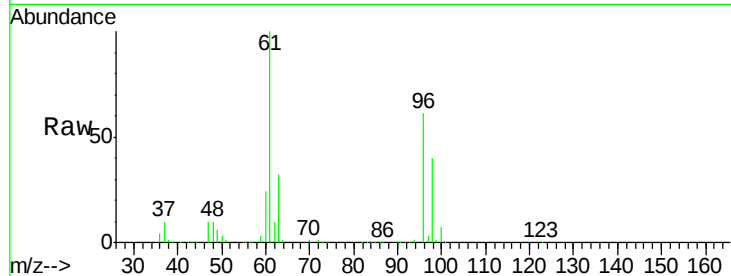


#27

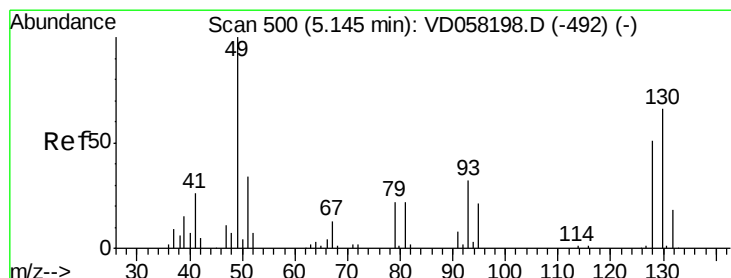
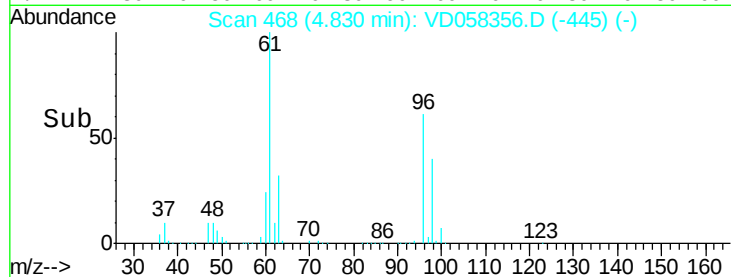
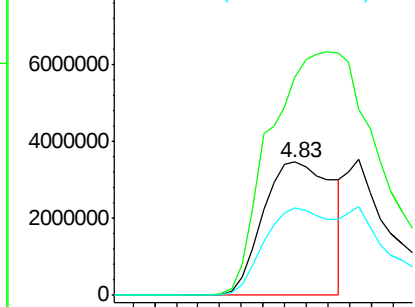
cis-1,2-Dichloroethene
Concen: 2004.70 ug/l
RT: 4.83 min Scan# 468
Delta R.T. 0.03 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp:15575883
Ion Ratio Lower Upper
96 100
61 163.6 0.0 338.6
98 65.7 0.0 130.2



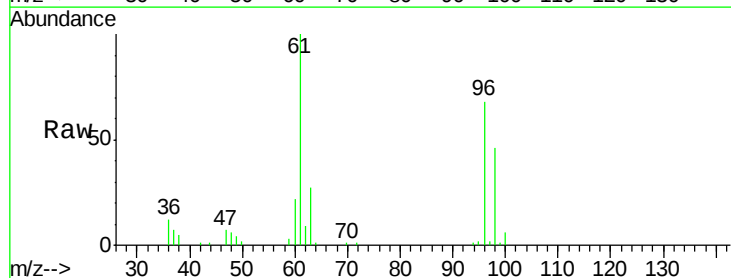
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



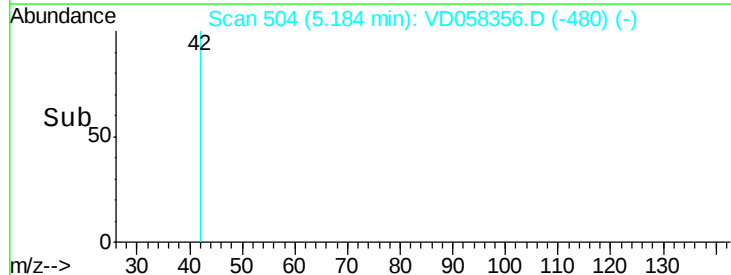
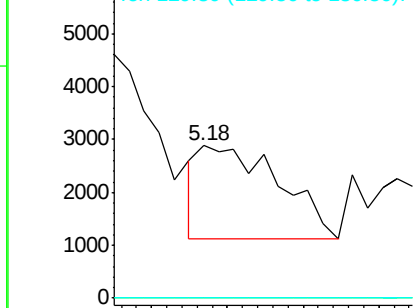
#28

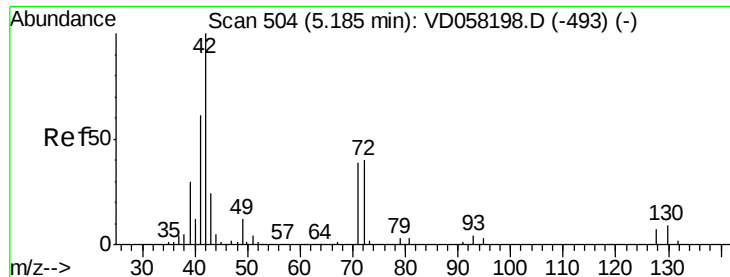
Bromochloromethane
Concen: 1.02 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.04 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Tgt Ion: 49 Resp: 6495
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 52.6 79.0#



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

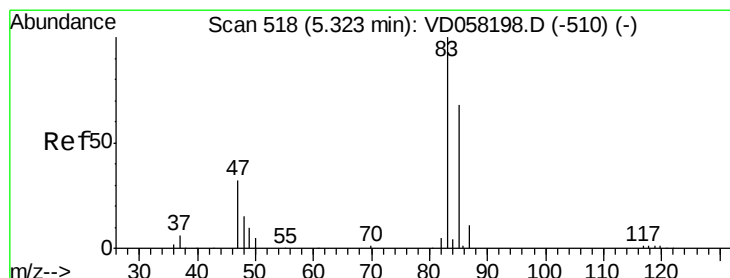
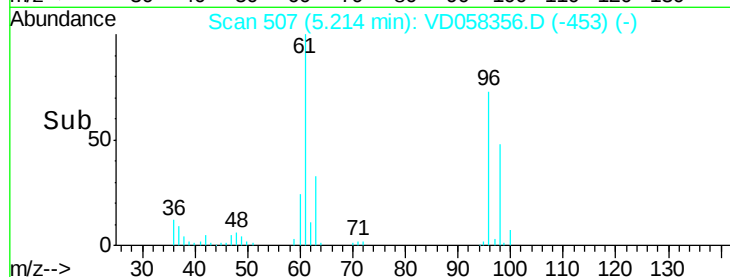
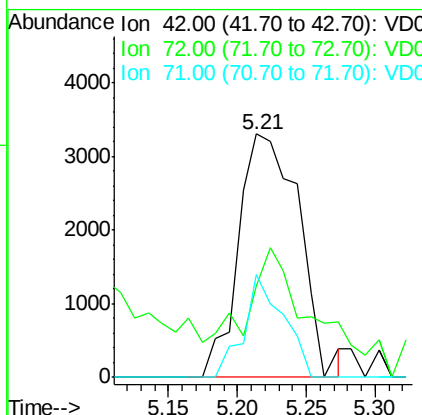
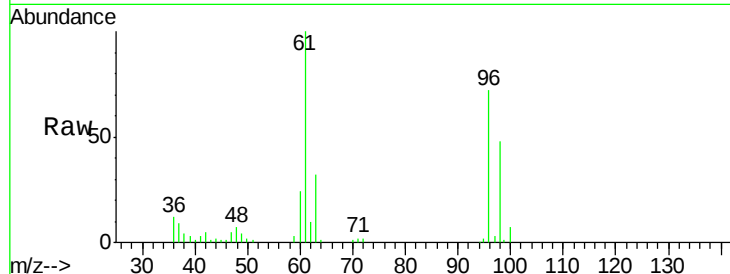




#29
Tetrahydrofuran
Concen: 7.59 ug/l
RT: 5.21 min Scan# 507
Delta R.T. 0.03 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

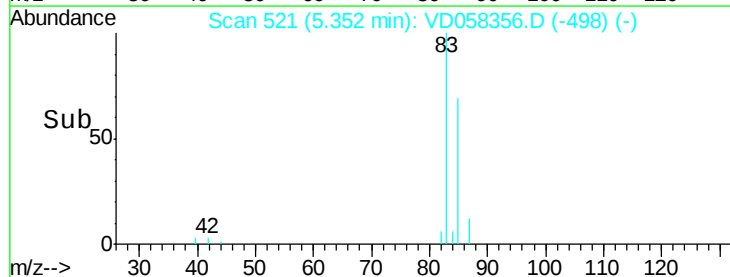
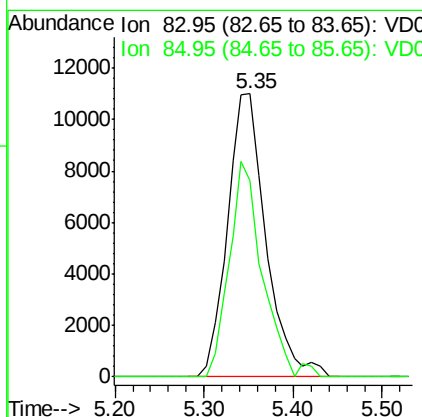
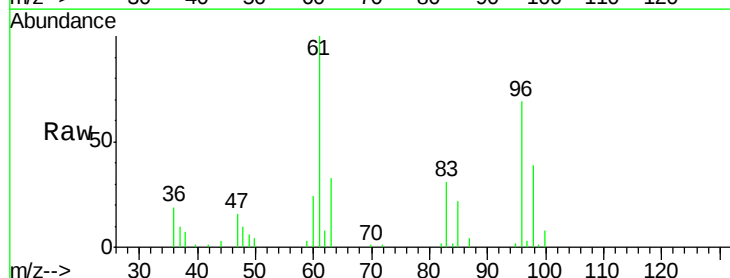
Instrument :
MSVOA_D
ClientSampled :

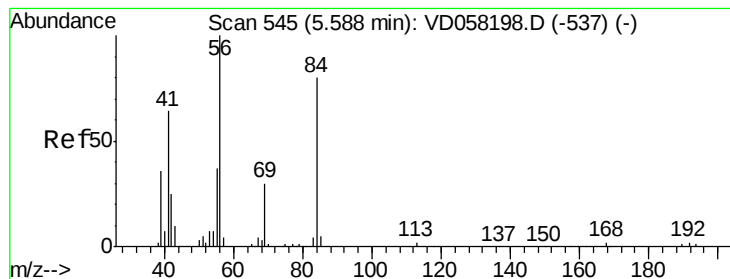
Tot Ion: 42 Resp: 10072
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 27.5 30.1 45.1#



#30
Chloroform
Concen: 2.21 ug/l
RT: 5.35 min Scan# 521
Delta R.T. 0.03 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Tgt Ion: 83 Resp: 33110
Ion Ratio Lower Upper
83 100
85 69.1 54.8 82.2





#31

Cyclohexane

Concen: Below Cal

RT: 5.66 min Scan# 552

Delta R.T. 0.07 min

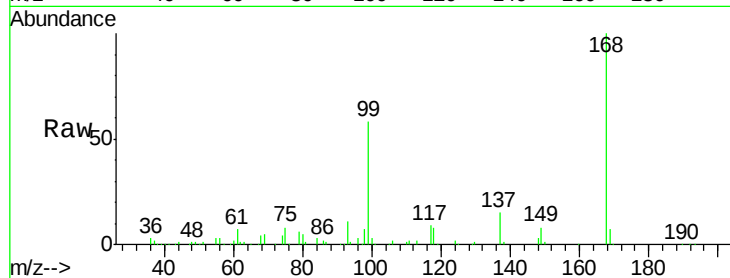
Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

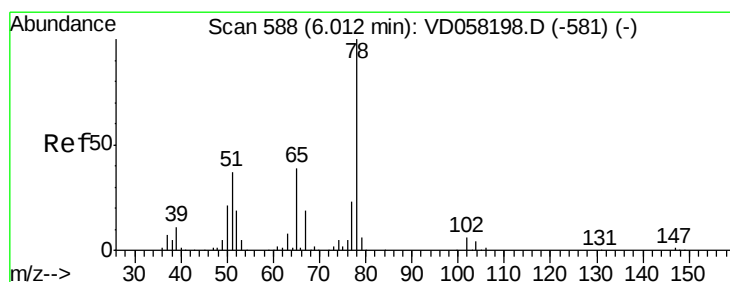
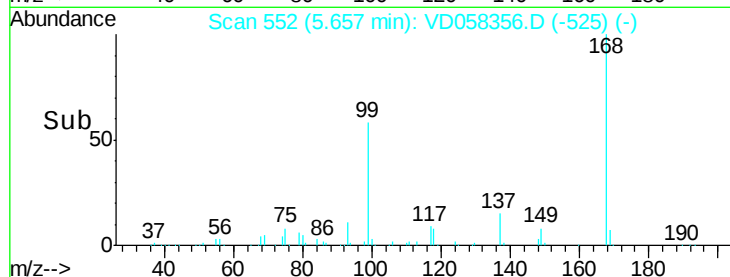
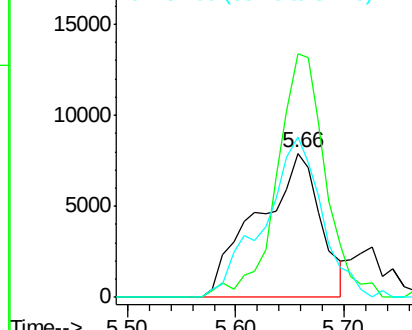
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 32000

Ion	Ratio	Lower	Upper
56	100		
69	169.0	23.6	35.4#
84	111.1	65.2	97.8#



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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.04 min Scan# 591

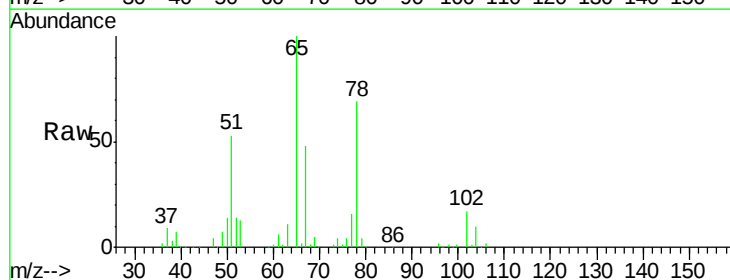
Delta R.T. 0.03 min

Lab File: VD058356.D

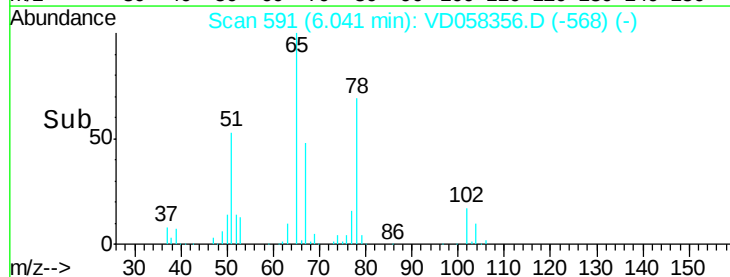
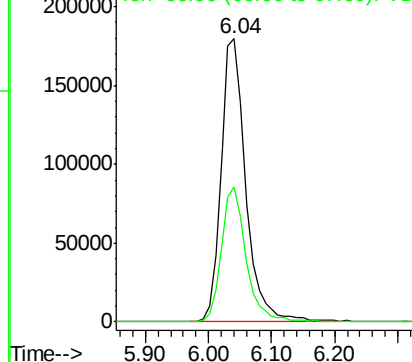
Acq: 23 Jun 2018 22:25

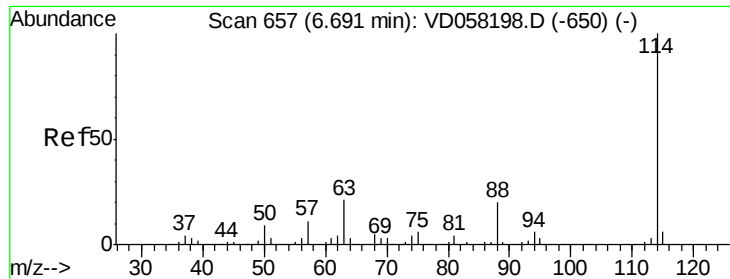
Tgt Ion: 65 Resp: 491954

Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

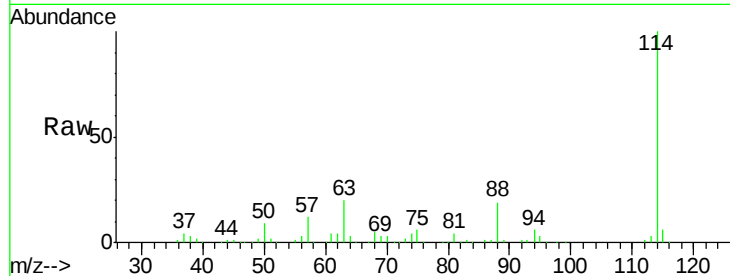




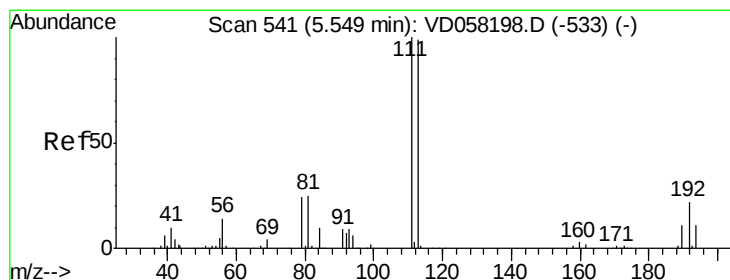
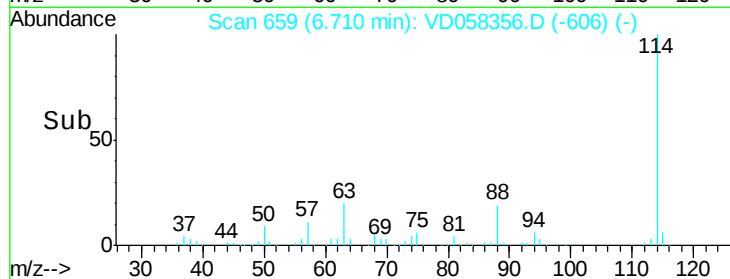
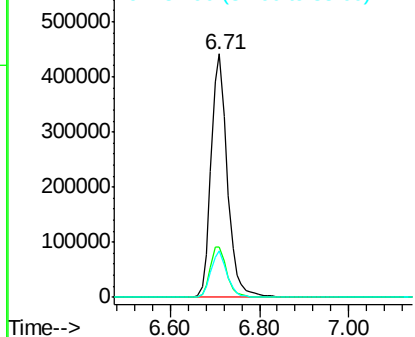
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058356.D
 Acq: 23 Jun 2018 22:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1115204
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 18.9 0.0 40.6

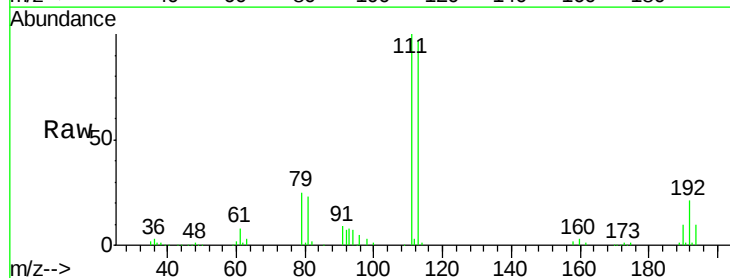


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

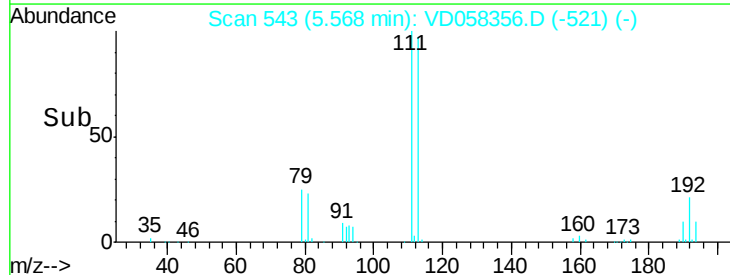
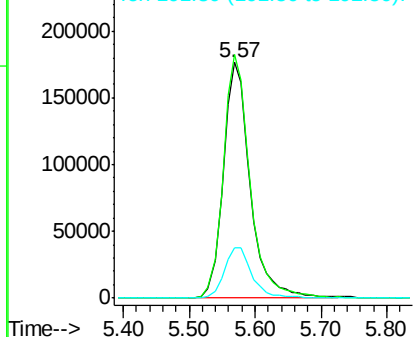


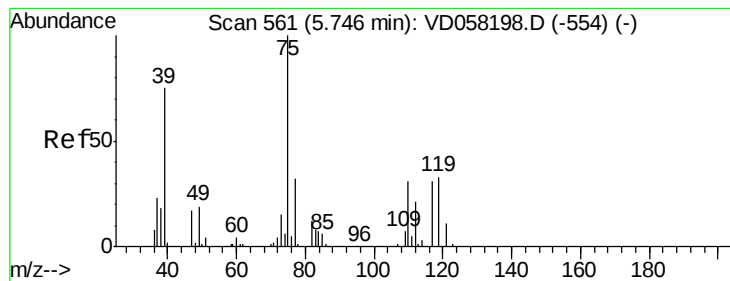
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058356.D
 Acq: 23 Jun 2018 22:25

Tgt Ion:113 Resp: 503178
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.6 121.0
 192 21.3 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.52 ug/l

RT: 5.67 min Scan# 553

Delta R.T. -0.08 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampled :

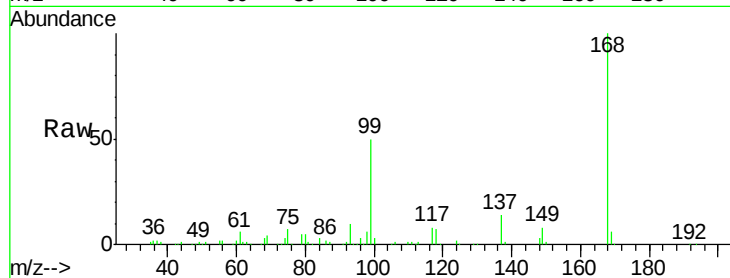
Tot Ion: 75 Resp: 60940

Ion Ratio Lower Upper

75 100

110 7.9 15.4 46.4#

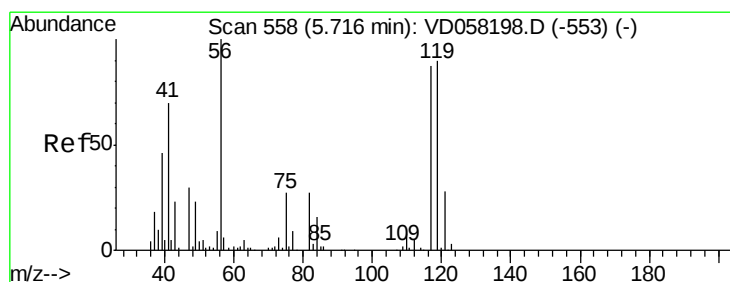
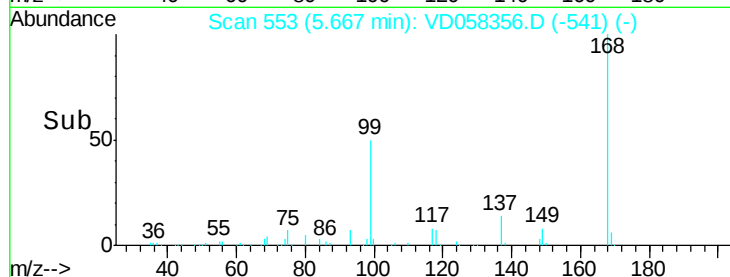
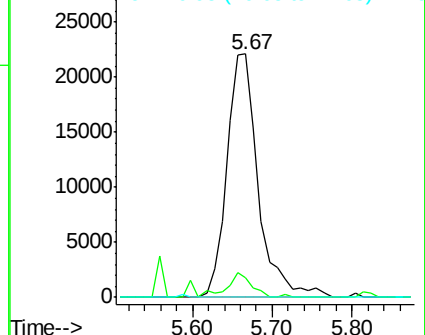
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.36 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

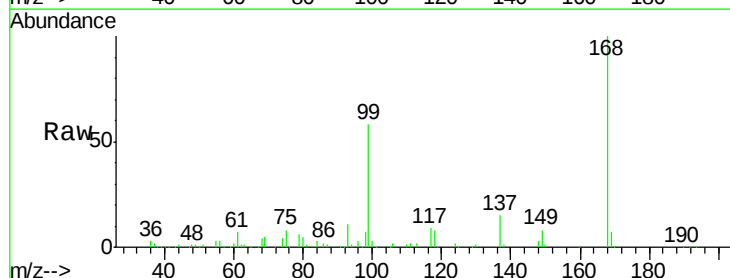
Tgt Ion: 117 Resp: 69706

Ion Ratio Lower Upper

117 100

119 3.9 78.8 118.2#

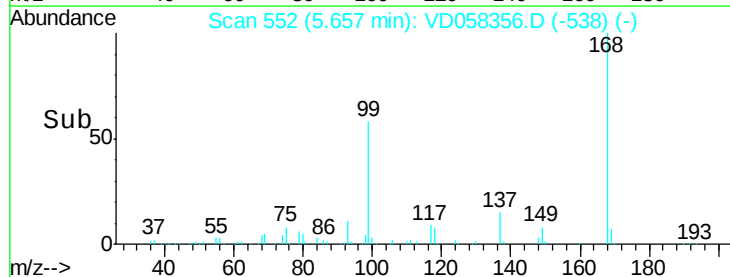
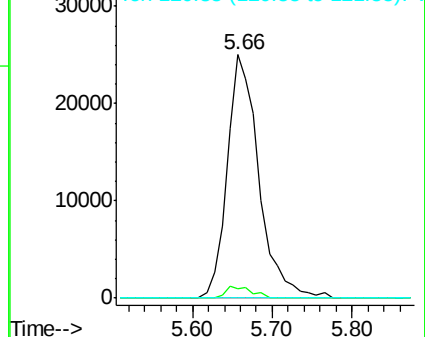
121 0.0 25.0 37.6#

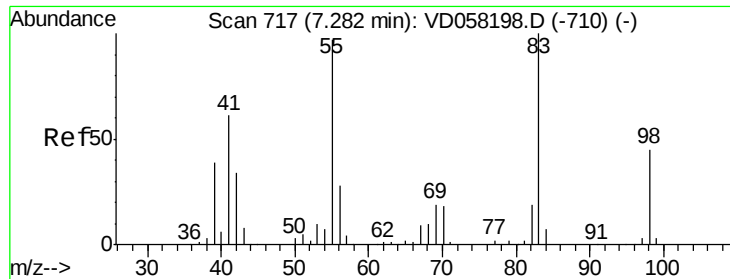


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

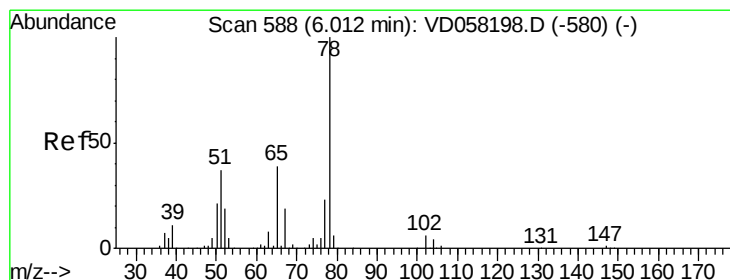
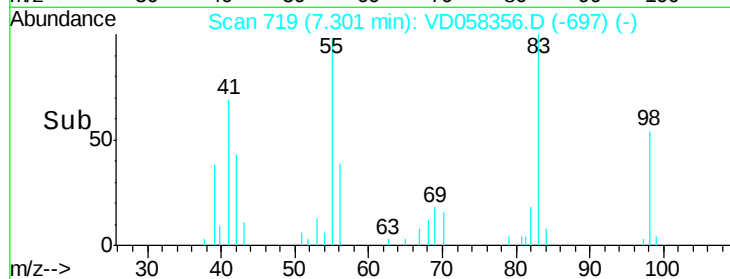
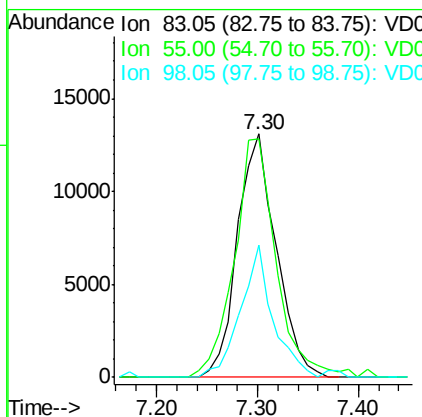
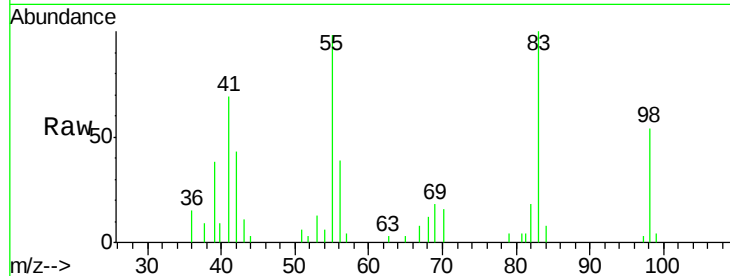




#39
Methvlcvclohexane
Concen: 3.26 ug/l
RT: 7.30 min Scan# 719
Delta R.T. 0.02 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

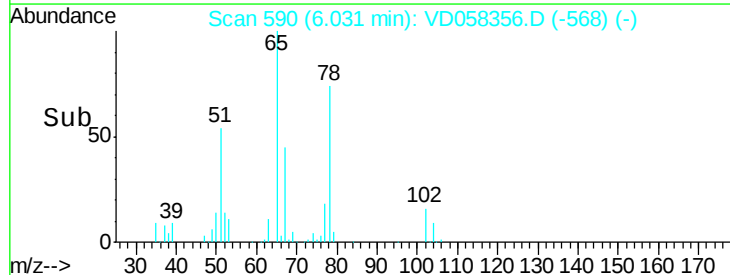
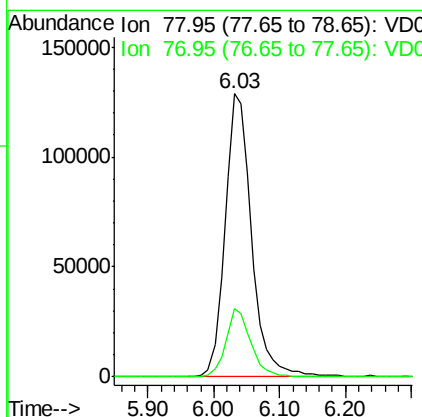
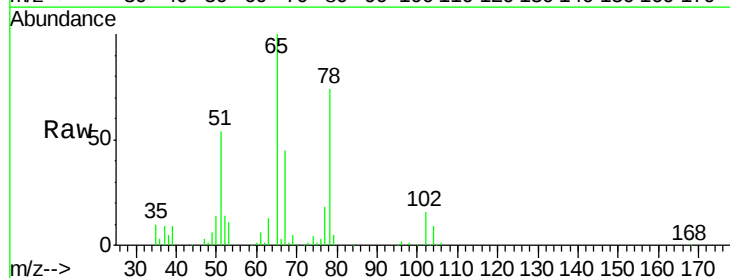
Instrument :
MSVOA_D
ClientSampleId :

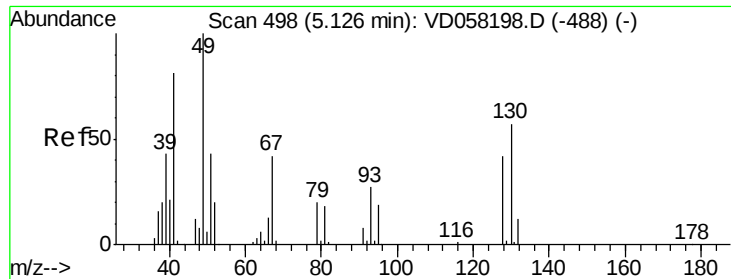
Tot Ion: 83 Resp: 35057
Ion Ratio Lower Upper
83 100
55 97.8 77.4 116.2
98 54.3 35.9 53.9#



#40
Benzene
Concen: 13.75 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Tgt Ion: 78 Resp: 361475
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7

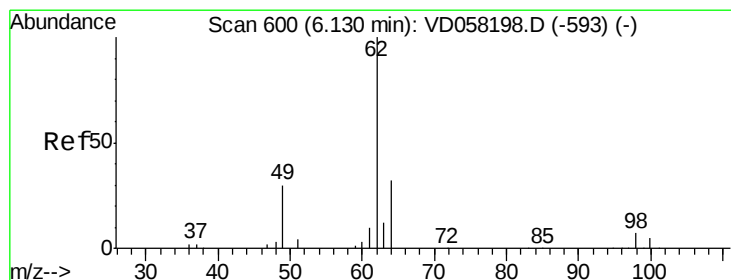
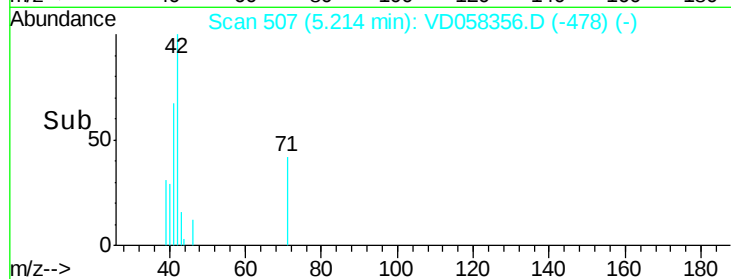
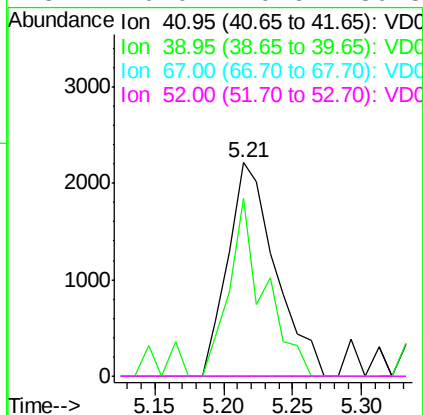
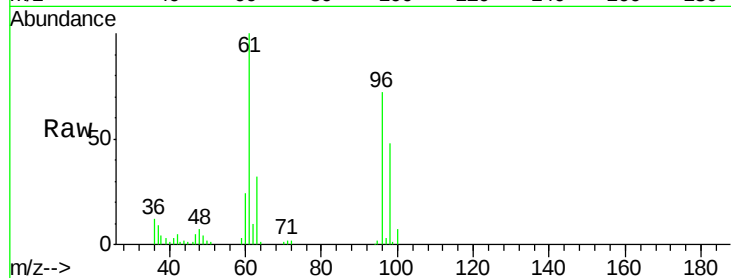




#41
Methacrylonitrile
Concen: 1.76 ug/l
RT: 5.21 min Scan# 507
Delta R.T. 0.09 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

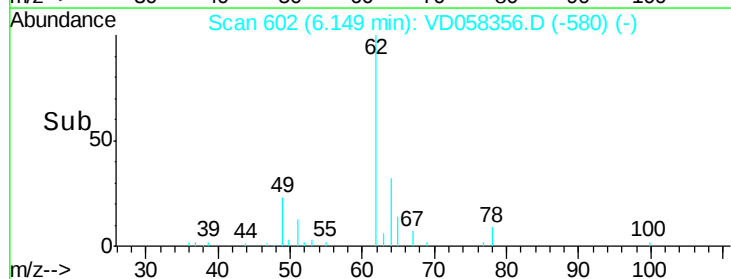
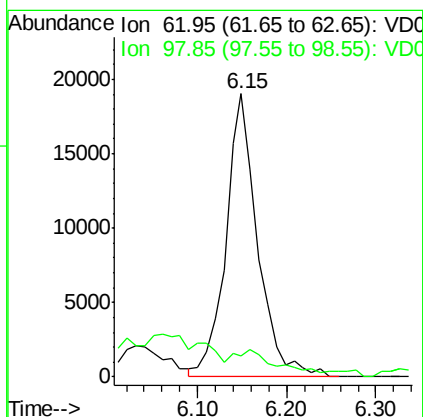
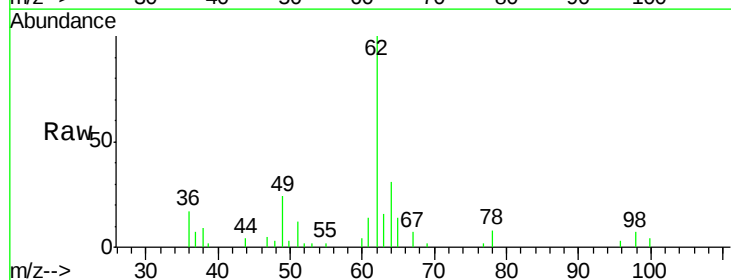
Instrument :
MSVOA_D
ClientSampleId :

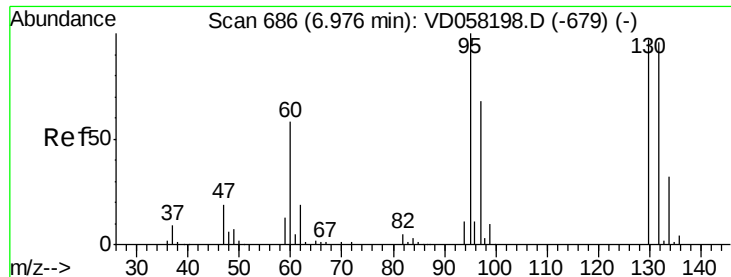
Tot Ion	Ratio	Lower	Upper
41	100		
39	83.5	43.4	65.2#
67	0.0	41.7	62.5#
52	0.0	20.6	30.8#



#42
1,2-Dichloroethane
Concen: 4.47 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	13.2





#44

Trichloroethene

Concen: 41.96 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

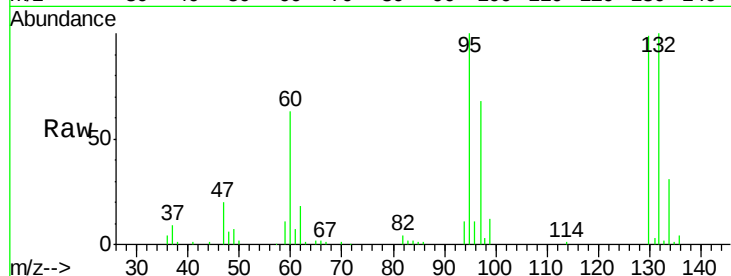
ClientSampled :

Tot Ion:130 Resp: 331115

Ion Ratio Lower Upper

130 100

95 100.7 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

7.00

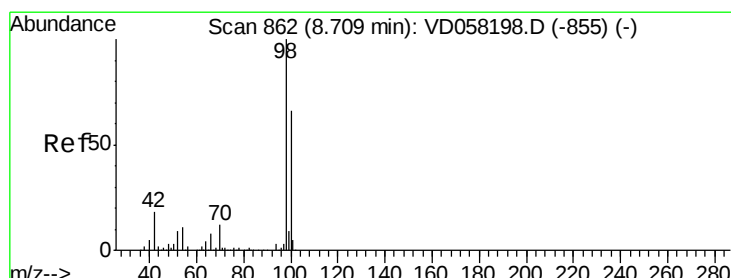
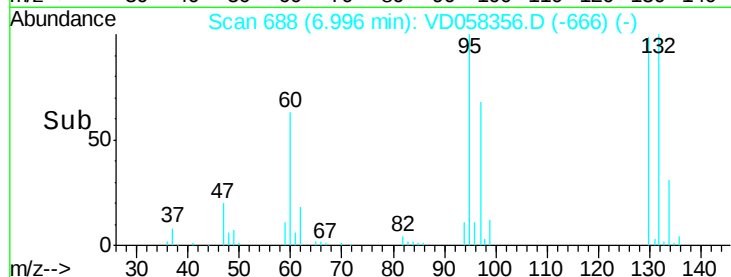
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058356.D

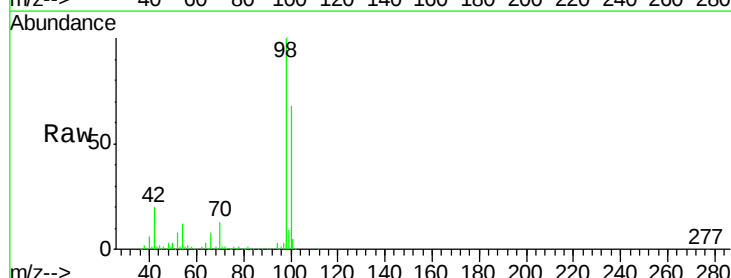
Acq: 23 Jun 2018 22:25

Tgt Ion: 98 Resp: 1182249

Ion Ratio Lower Upper

98 100

100 67.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.72

600000

500000

400000

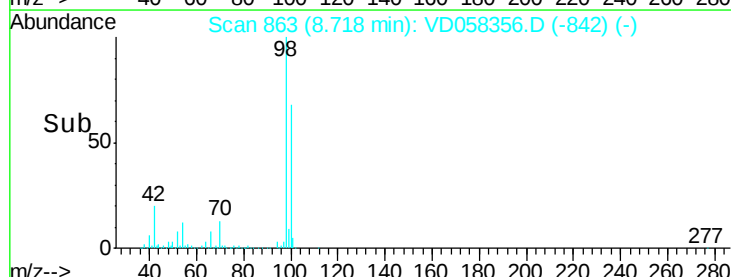
300000

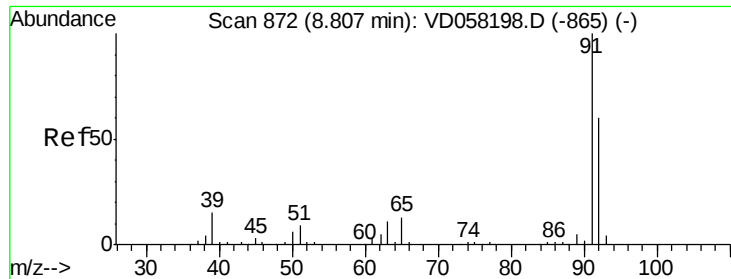
200000

100000

0

Time-->





#52

Toluene

Concen: 9.64 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

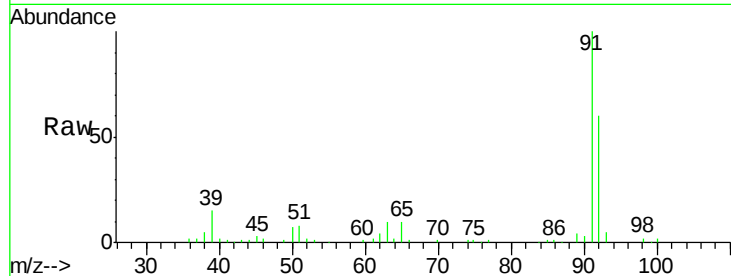
ClientSampleId :

Tot Ion: 92 Resp: 144232

Ion Ratio Lower Upper

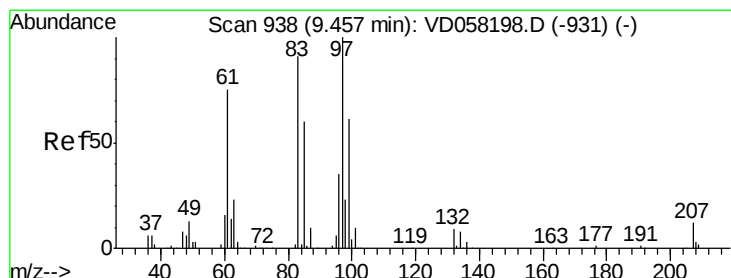
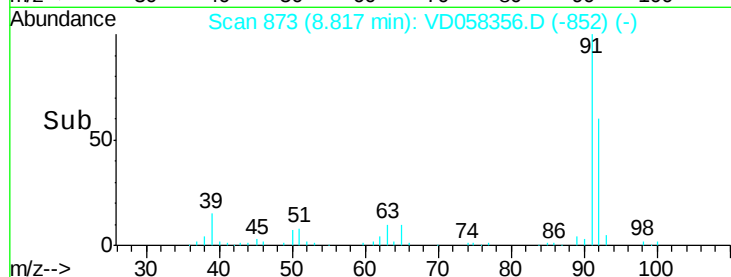
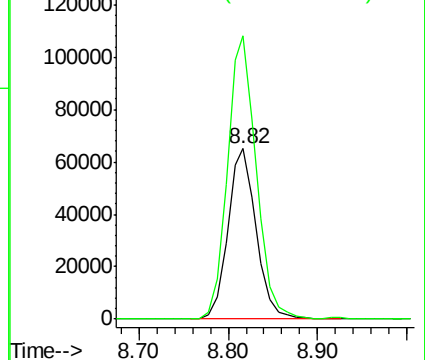
92 100

91 166.3 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 13.57 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Tgt Ion: 97 Resp: 71822

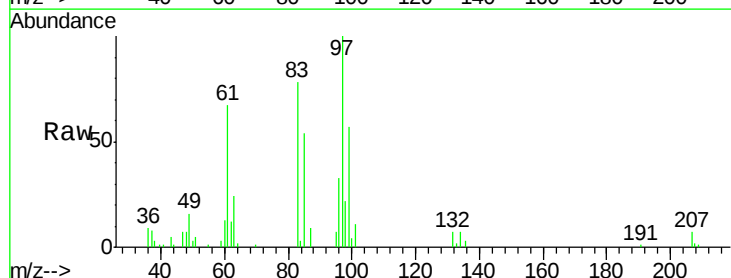
Ion Ratio Lower Upper

97 100

83 78.3 72.9 109.3

85 53.8 48.2 72.4

99 56.8 48.9 73.3

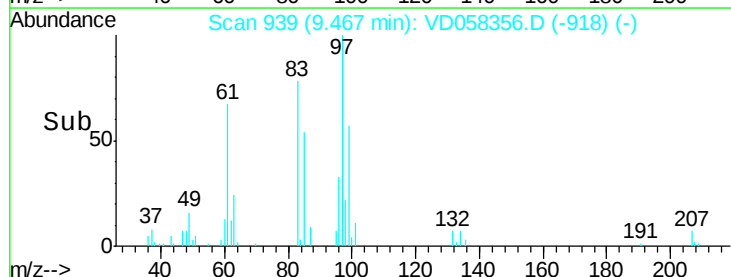
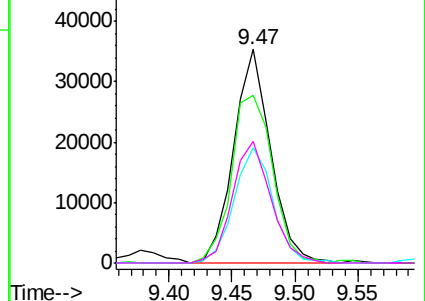


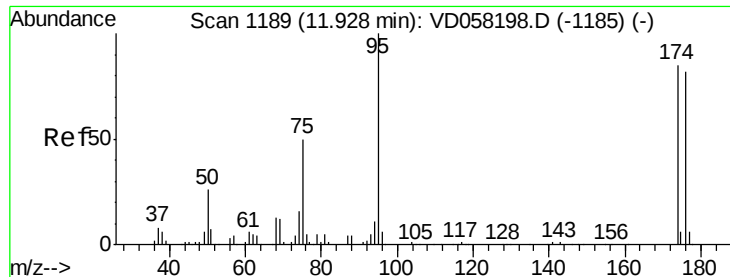
Abundance Ion 96.85 (96.55 to 97.55): VDC

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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampleId :

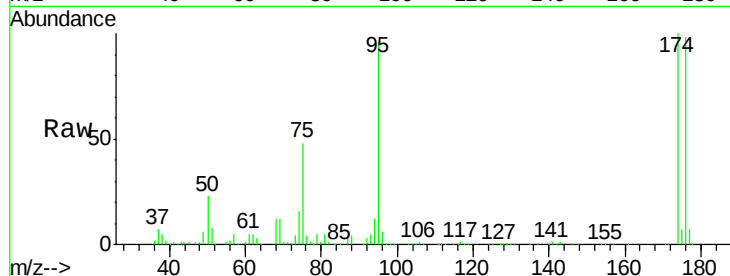
Tot Ion: 95 Resp: 497101

Ion Ratio Lower Upper

95 100

174 103.9 0.0 170.2

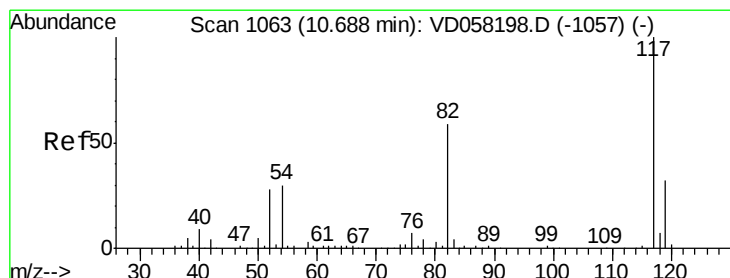
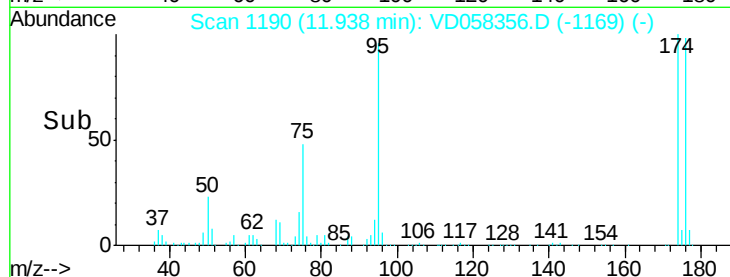
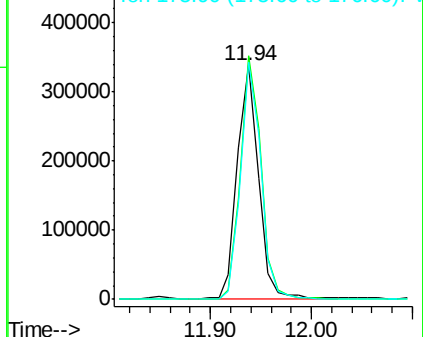
176 101.4 0.0 164.6



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: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

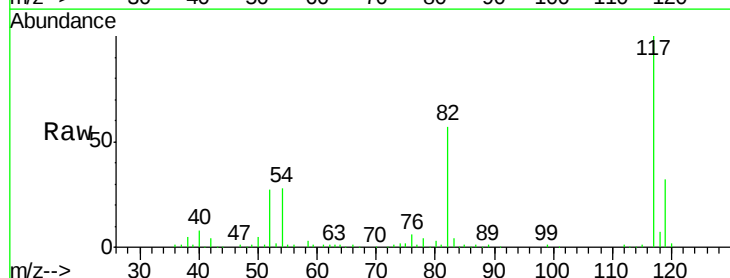
Tgt Ion: 117 Resp: 918035

Ion Ratio Lower Upper

117 100

82 57.4 47.0 70.6

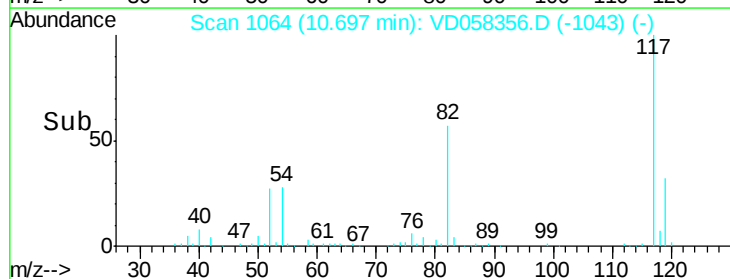
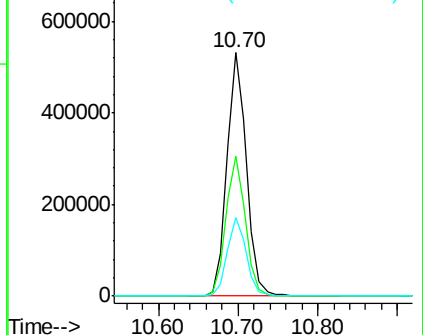
119 32.0 25.3 37.9

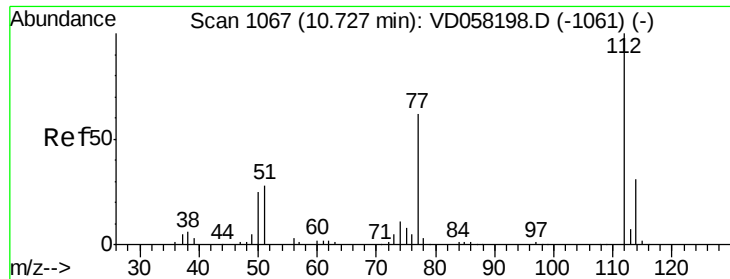


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

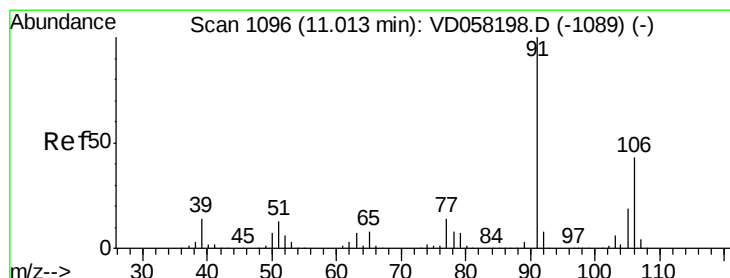
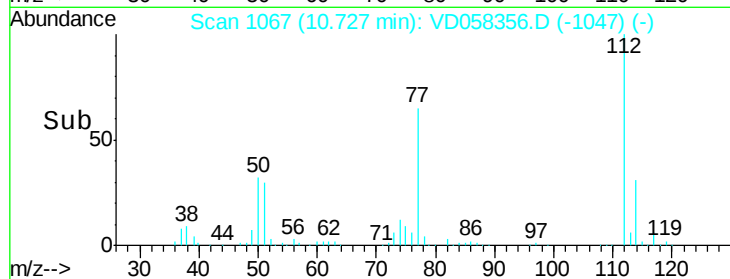
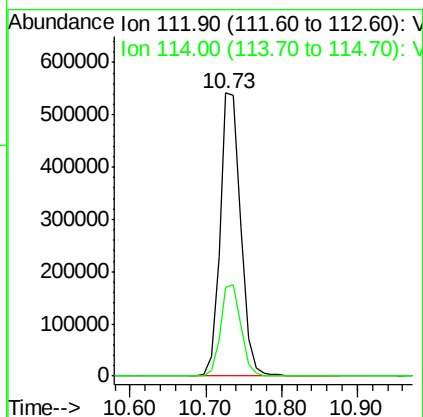
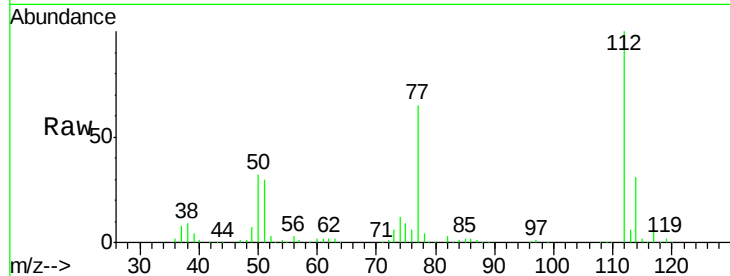




#65
Chlorobenzene
Concen: 60.01 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

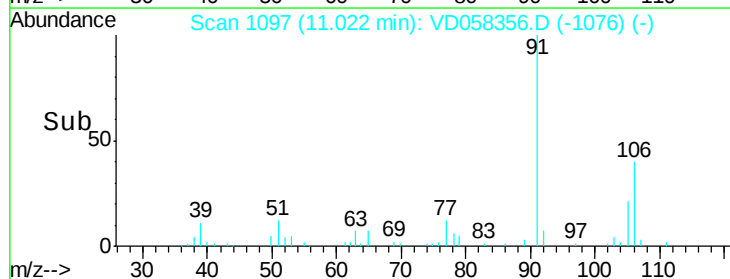
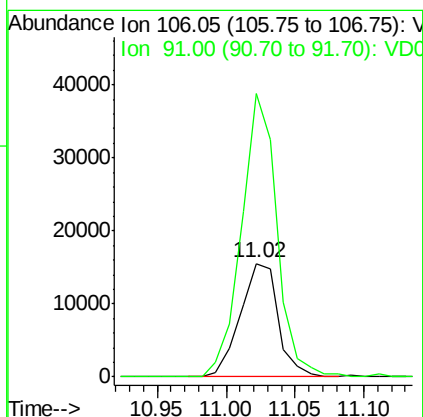
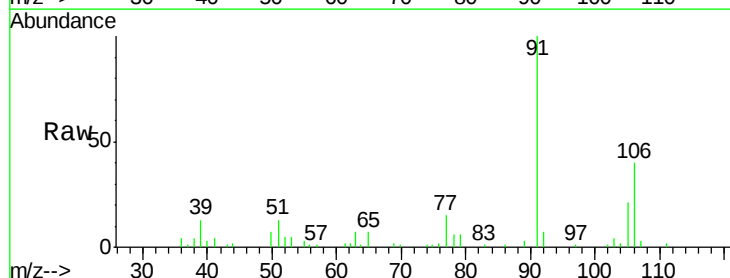
Instrument :
MSVOA_D
ClientSampleId :

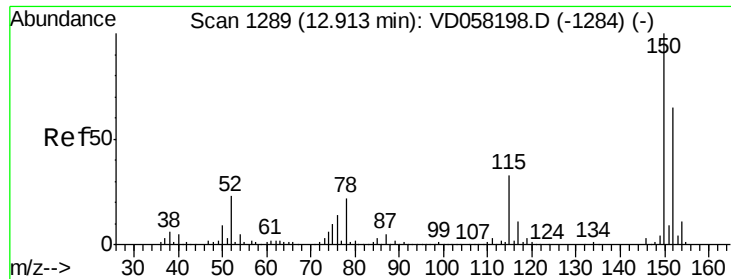
Tot Ion:112 Resp: 1030471
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 2.94 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Tgt Ion:106 Resp: 29716
Ion Ratio Lower Upper
106 100
91 249.9 185.0 277.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampleId :

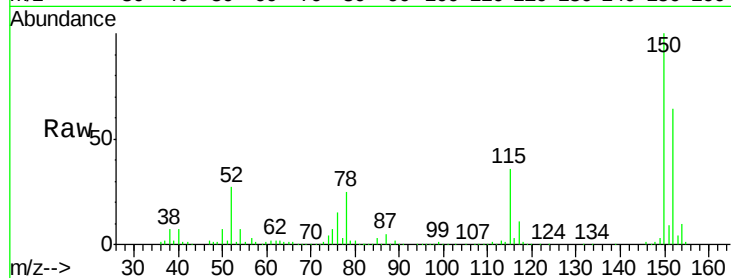
Tot Ion:152 Resp: 460494

Ion Ratio Lower Upper

152 100

115 56.2 25.1 75.3

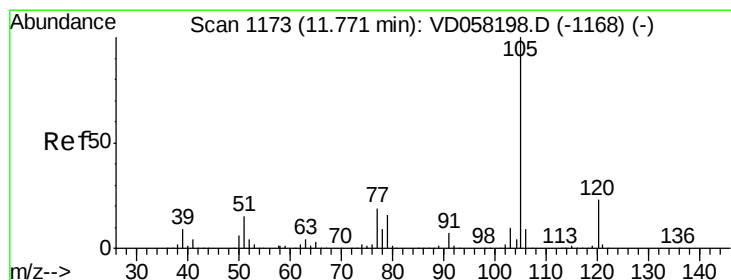
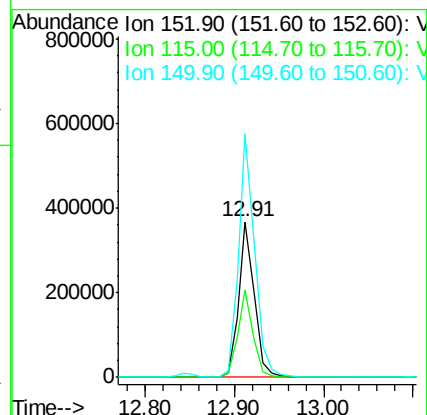
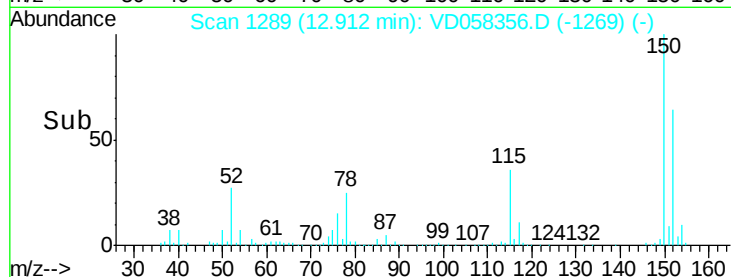
150 156.3 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.05 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058356.D

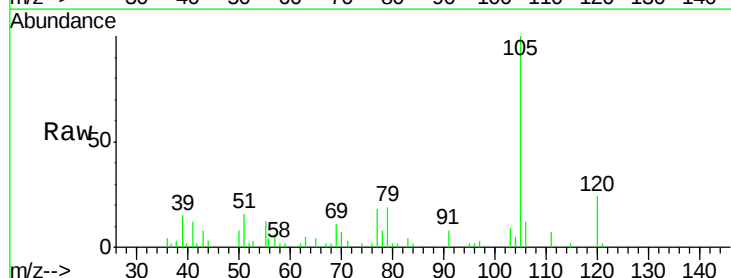
Acq: 23 Jun 2018 22:25

Tgt Ion:105 Resp: 28922

Ion Ratio Lower Upper

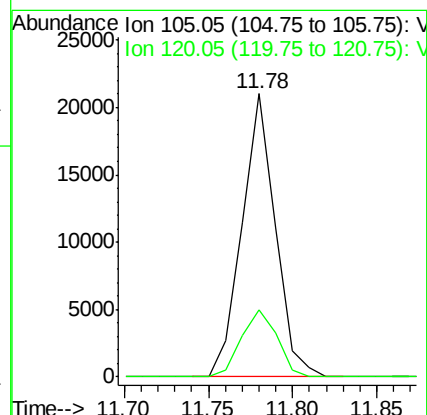
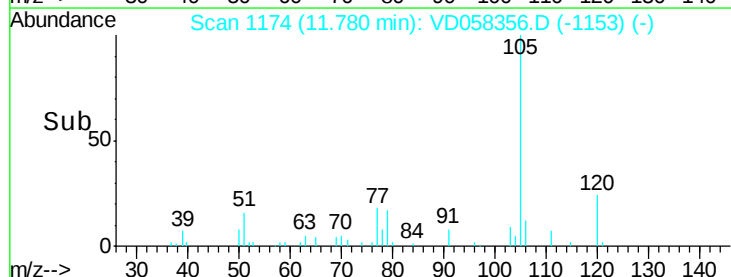
105 100

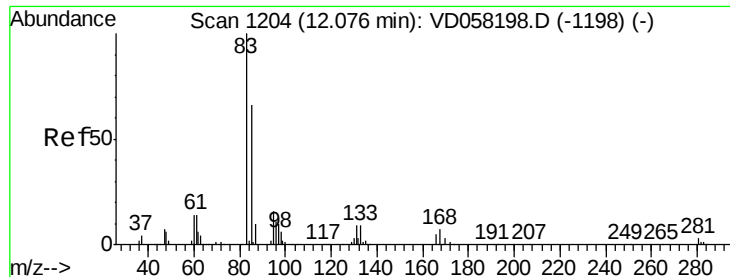
120 23.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.22 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampleId :

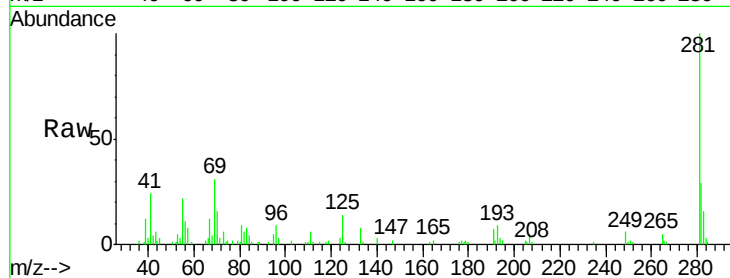
Tot Ion: 83 Resp: 7850

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

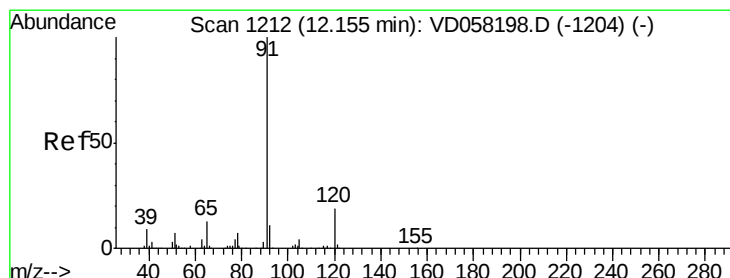
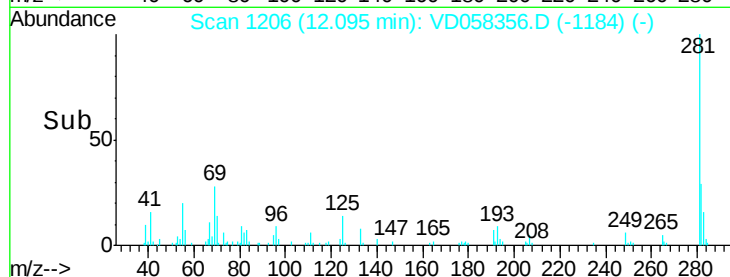
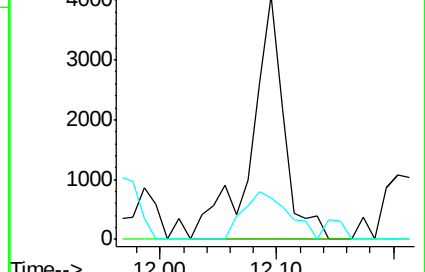
85 16.9 33.1 99.5#



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



#78

n-propylbenzene

Concen: 1.24 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058356.D

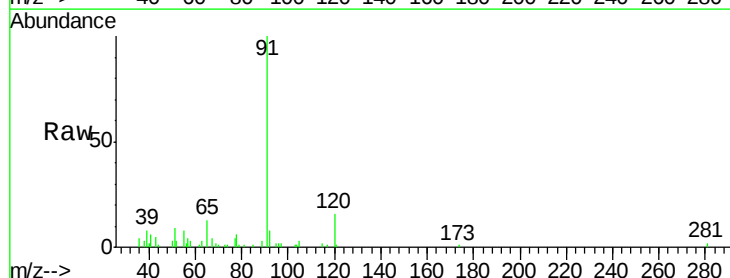
Acq: 23 Jun 2018 22:25

Tgt Ion: 91 Resp: 44072

Ion Ratio Lower Upper

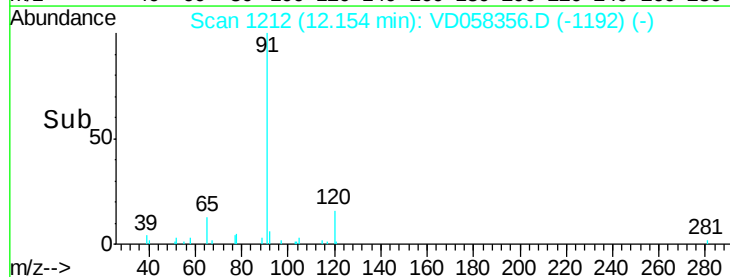
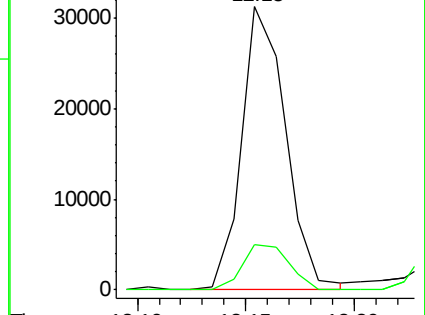
91 100

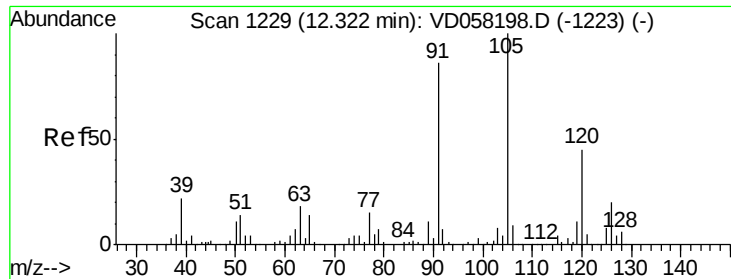
120 15.8 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

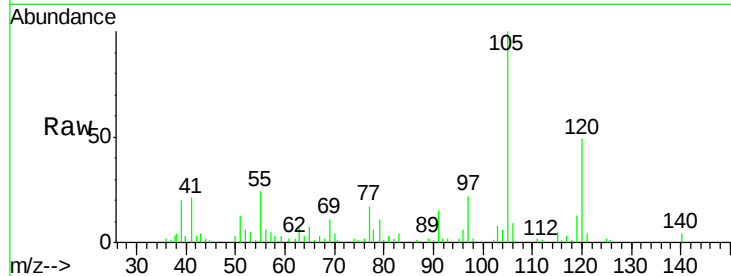




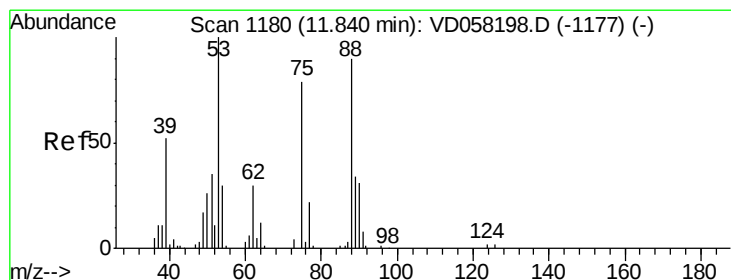
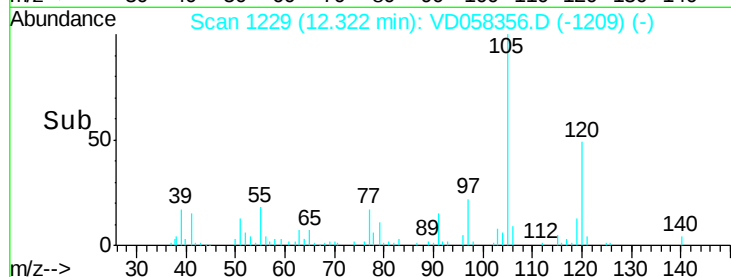
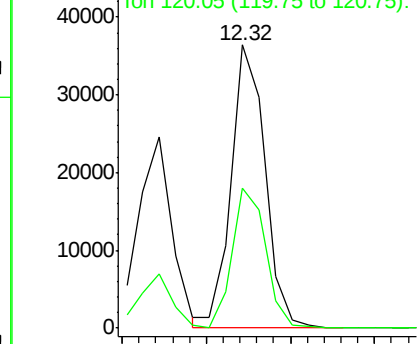
#80
 1,3,5-Trimethylbenzene
 Concen: 2.37 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058356.D
 Acq: 23 Jun 2018 22:25

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 50986
 Ion Ratio Lower Upper
 105 100
 120 49.3 22.5 67.5

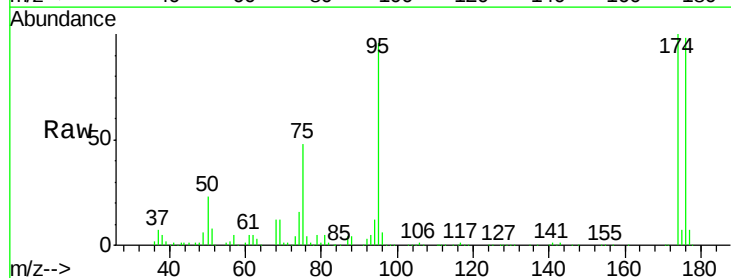


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

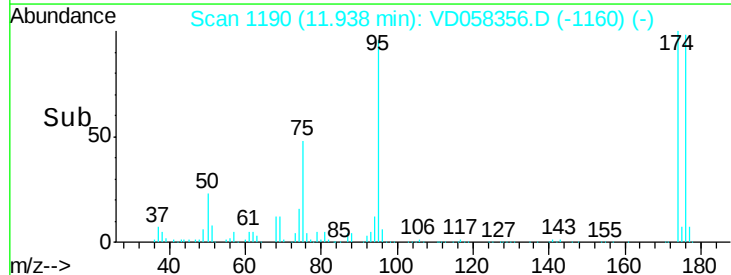
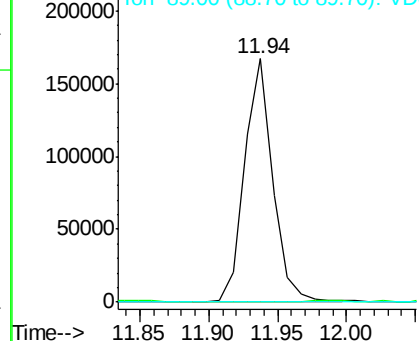


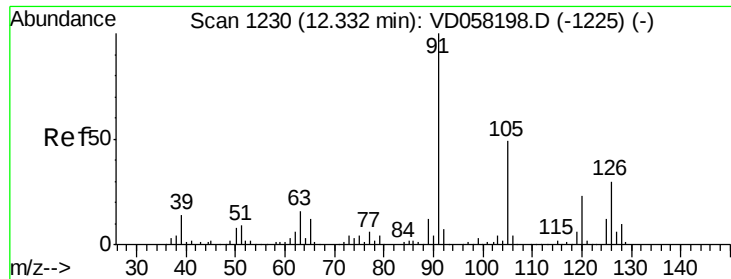
#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.22 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.10 min
 Lab File: VD058356.D
 Acq: 23 Jun 2018 22:25

Tgt Ion: 75 Resp: 238133
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.8 151.2#
 89 0.0 34.6 52.0#



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

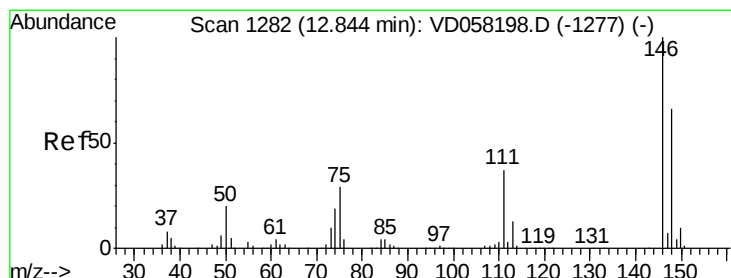
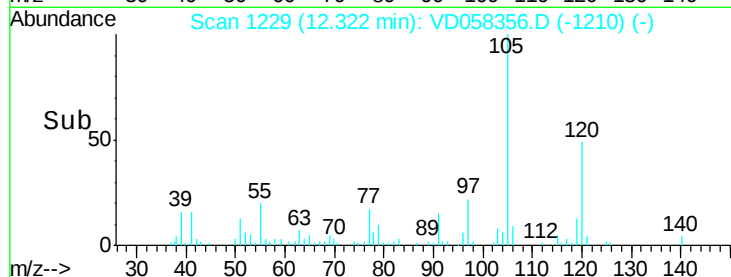
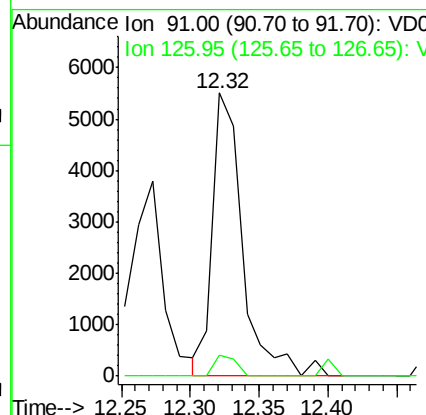
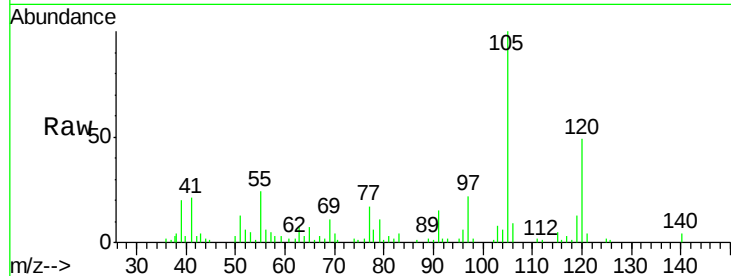




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

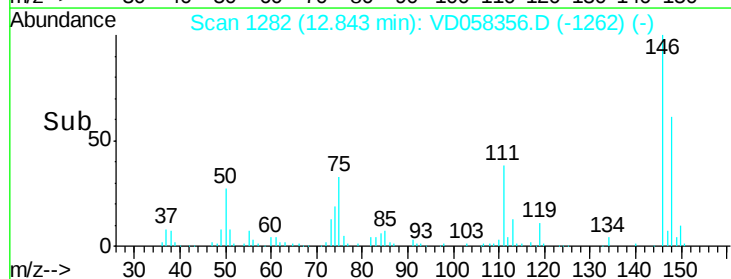
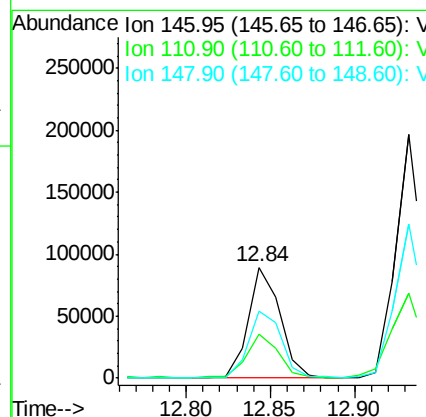
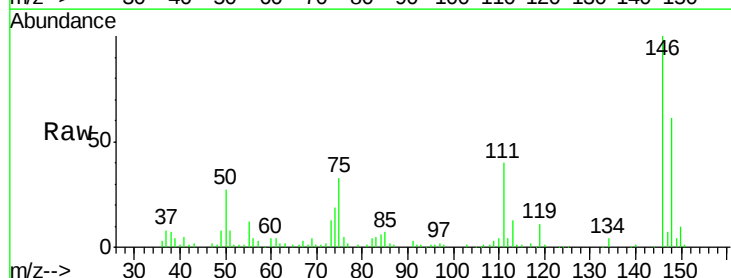
Instrument :
MSVOA_D
ClientSampleId :

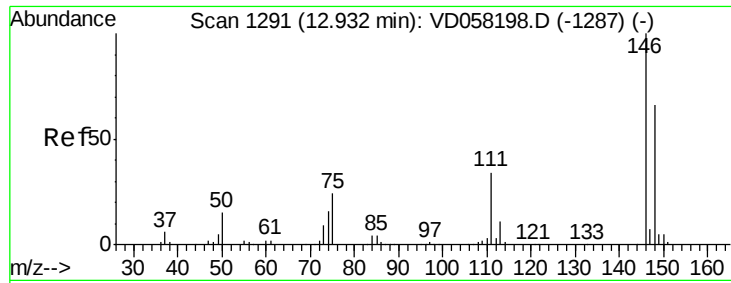
Tot Ion: 91 Resp: 8351
Ion Ratio Lower Upper
91 100
126 7.2 14.9 44.9#



#87
1,3-Dichlorobenzene
Concen: 8.20 ug/l
RT: 12.84 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD058356.D
Acq: 23 Jun 2018 22:25

Tgt Ion: 146 Resp: 117588
Ion Ratio Lower Upper
146 100
111 39.5 18.4 55.0
148 60.6 32.8 98.4





#88

1,4-Dichlorobenzene

Concen: 16.71 ug/l

RT: 12.93 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampled :

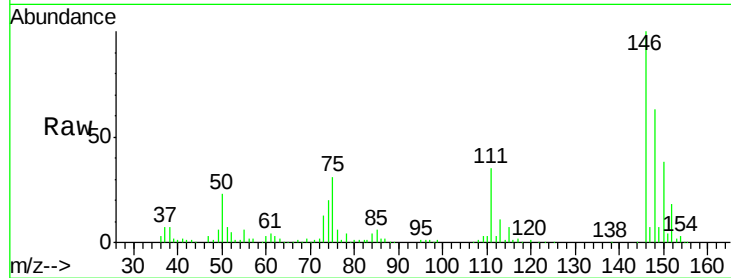
Tot Ion:146 Resp: 233945

Ion Ratio Lower Upper

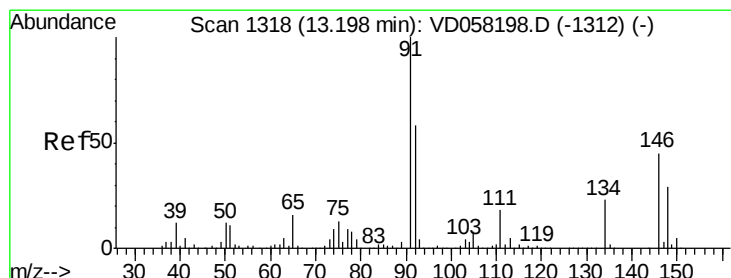
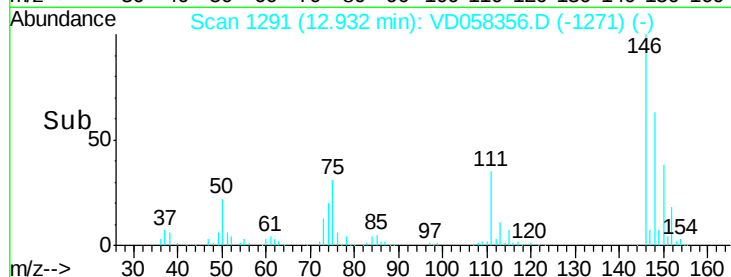
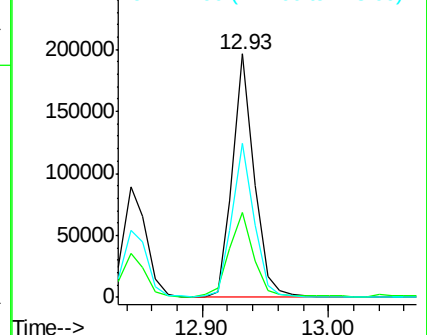
146 100

111 35.1 17.2 51.5

148 63.4 33.1 99.3



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



#91

1,2-Dichlorobenzene

Concen: 36.30 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

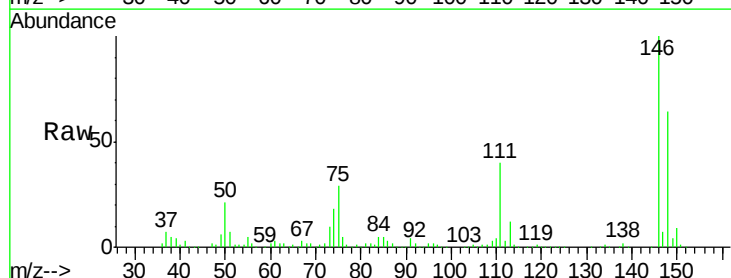
Tgt Ion:146 Resp: 442872

Ion Ratio Lower Upper

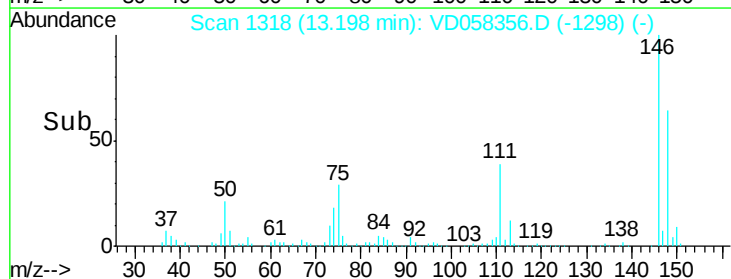
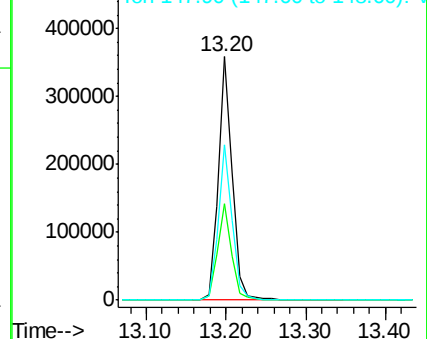
146 100

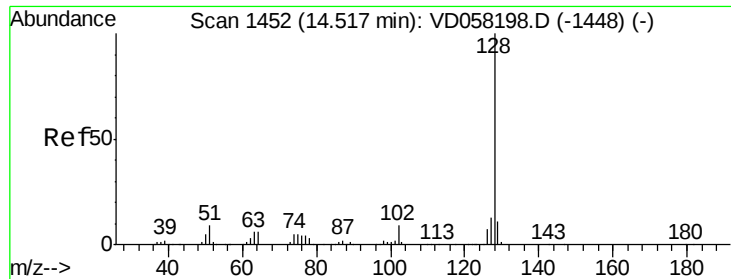
111 39.6 19.6 58.7

148 63.8 32.0 96.2



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





#95

Naphthalene

Concen: 1.05 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

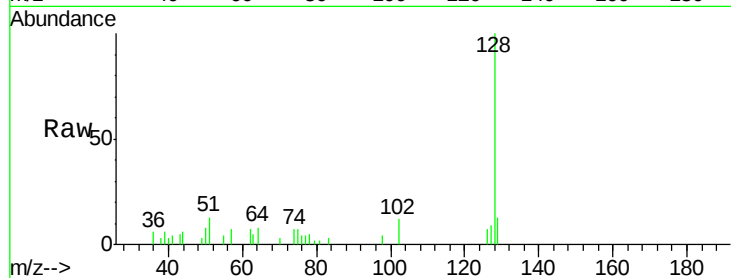
Lab File: VD058356.D

Acq: 23 Jun 2018 22:25

Instrument :

MSVOA_D

ClientSampleId :



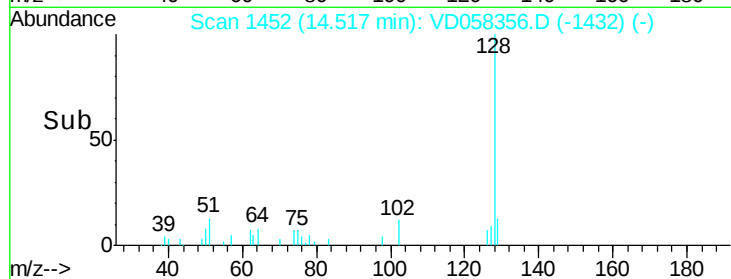
Tot Ion:128 Resp: 16096

Ion Ratio Lower Upper

128 100

127 8.9 10.0 15.0#

129 12.5 8.7 13.1



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

