

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058033.D
 Acq On : 8 Jun 2018 22:24
 Operator : VA/AP
 Sample : J3331-02RE
 Misc : 5.79g/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:58:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	311377	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	403426	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	325341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	133266	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	190530	61.21	ug/l	-0.02
Spiked Amount			Recovery	=	122.42%	
35) Dibromofluoromethane	5.53	113	189354	60.66	ug/l	-0.03
Spiked Amount			Recovery	=	121.32%	
50) Toluene-d8	8.69	98	437390	58.94	ug/l	-0.02
Spiked Amount			Recovery	=	117.88%	
62) 4-Bromofluorobenzene	11.92	95	162443	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

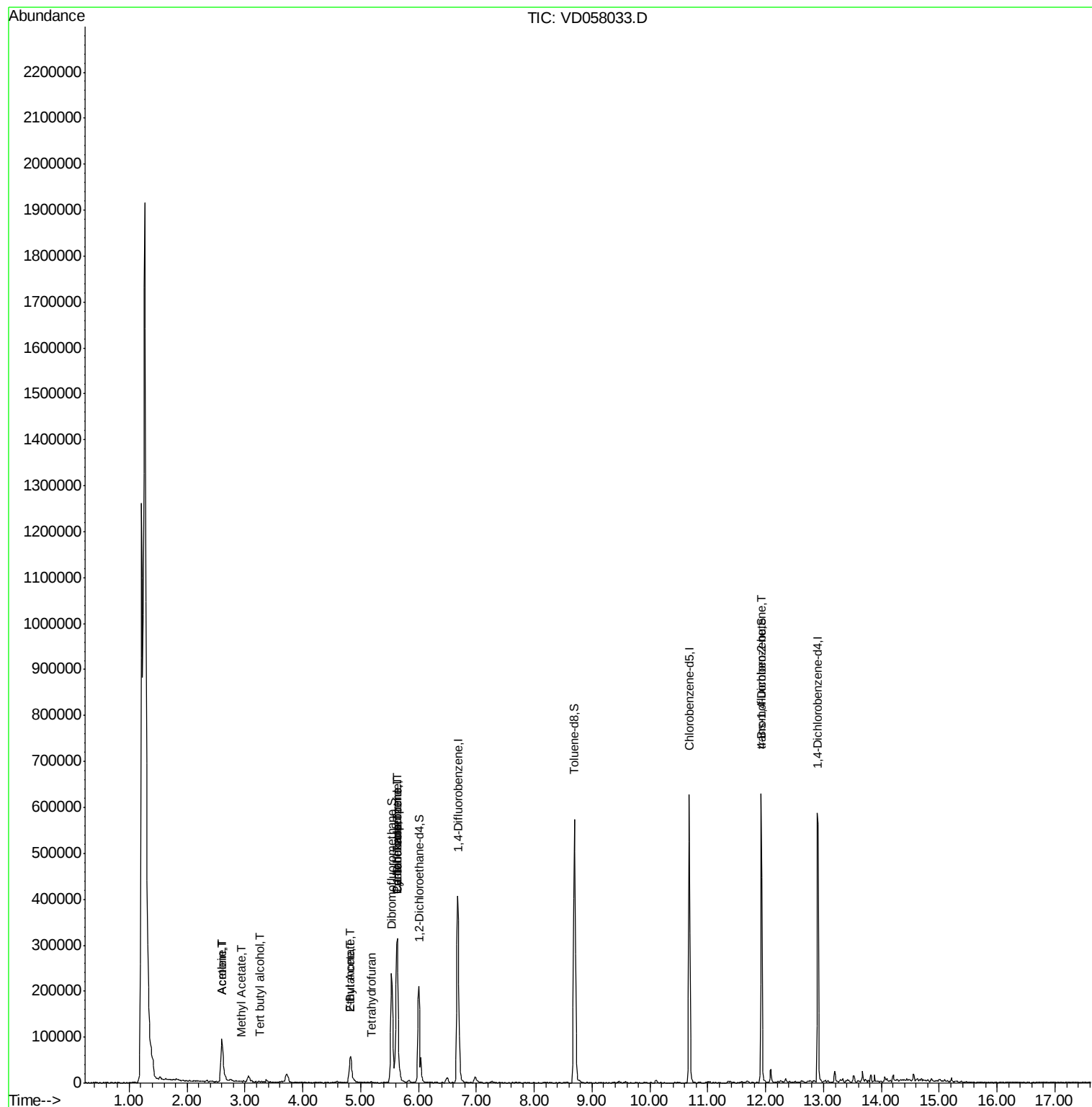
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.24	59	474	5.684	ug/l #	74
13) Acrolein	2.59	56	242	2.026	ug/l #	16
16) Acetone	2.60	43	192885	430.068	ug/l	99
18) Methyl Acetate	2.92	43	2239	2.581	ug/l #	66
20) Methylene Chloride	3.06	84	4913	Below Cal		92
25) 2-Butanone	4.81	43	77938	76.465	ug/l	96
29) Tetrahydrofuran	5.17	42	1399	2.618	ug/l #	58
31) Cyclohexane	5.62	56	8132	1.502	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	28751	6.469	ug/l #	52
37) Ethyl Acetate	4.81	43	77938	32.136	ug/l #	72
38) Carbon Tetrachloride	5.63	117	26970	6.157	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	77820	156.950	ug/l #	6
82) 4-Chlorotoluene	12.32	91	572	Below Cal	#	50
89) n-Butylbenzene	13.19	91	901	Below Cal	#	30

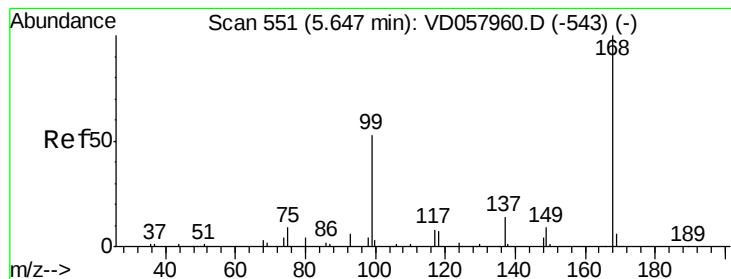
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058033.D

Acq: 8 Jun 2018 22:24

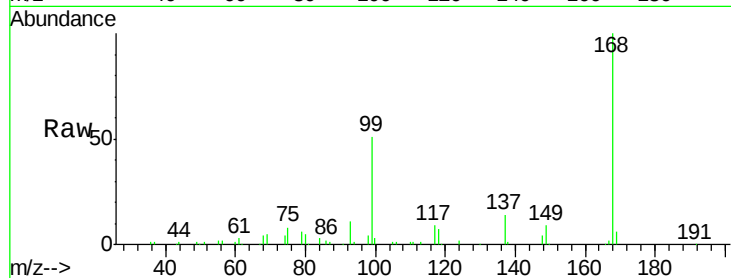
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 311377

Ion Ratio Lower Upper

168 100

99 50.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

120000

100000

80000

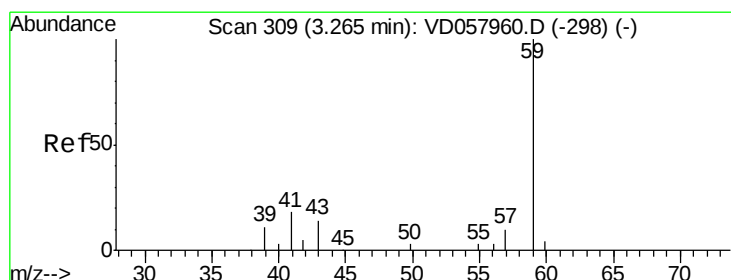
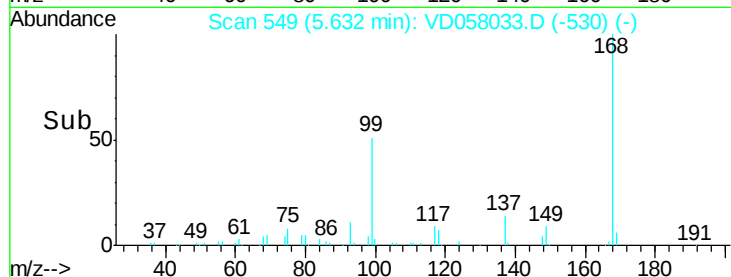
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.684 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.03 min

Lab File: VD058033.D

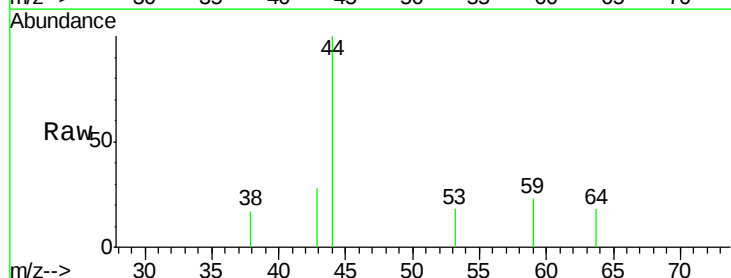
Acq: 8 Jun 2018 22:24

Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.24

500

400

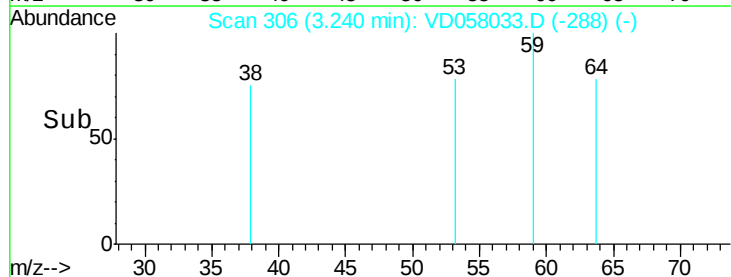
300

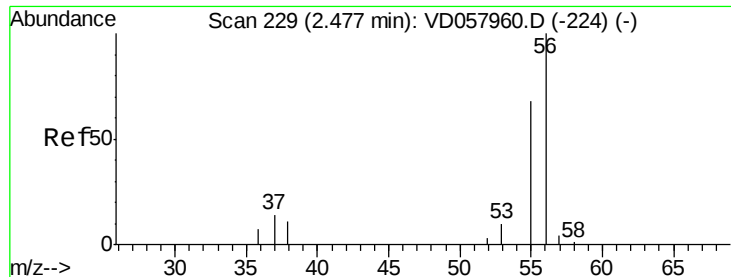
200

100

0

Time-->





#13

Acrolein

Concen: 2.026 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.11 min

Lab File: VD058033.D

Acq: 8 Jun 2018 22:24

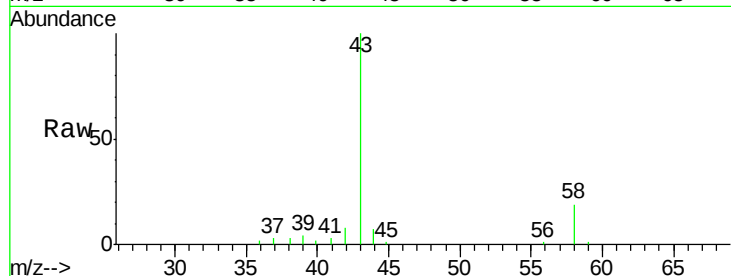
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 242

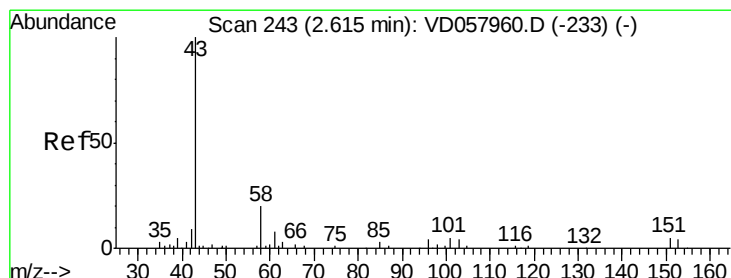
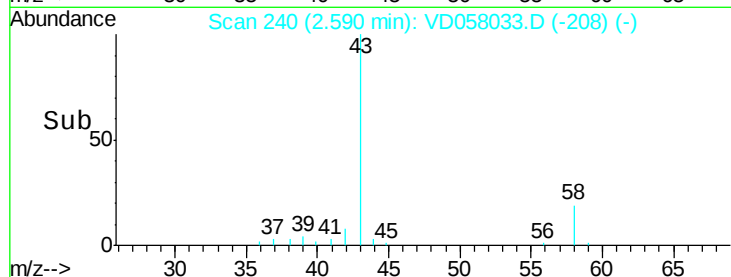
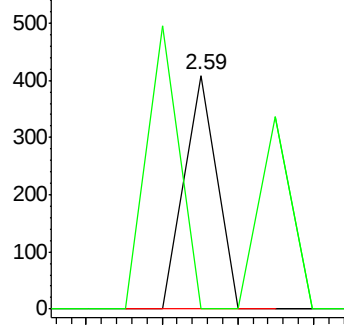
Ion Ratio Lower Upper

56 100

55 0.0 54.0 81.0#



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



#16

Acetone

Concen: 430.068 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058033.D

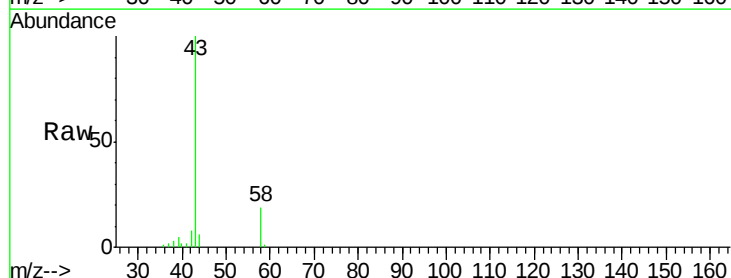
Acq: 8 Jun 2018 22:24

Tgt Ion: 43 Resp: 192885

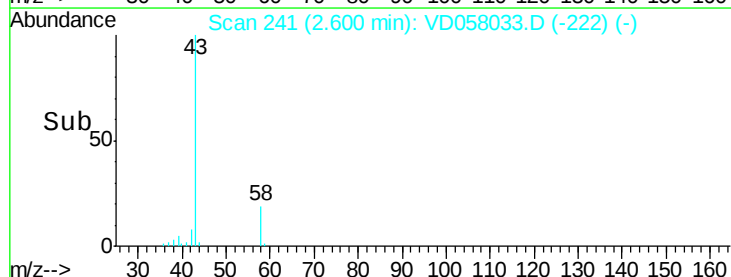
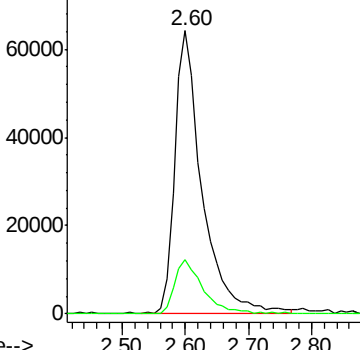
Ion Ratio Lower Upper

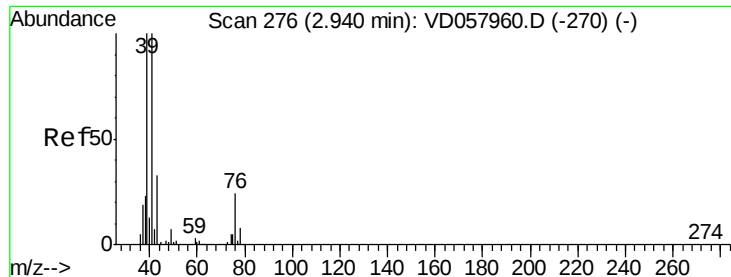
43 100

58 19.2 15.8 23.8



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

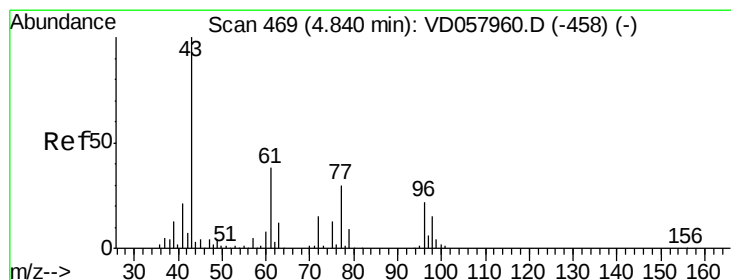
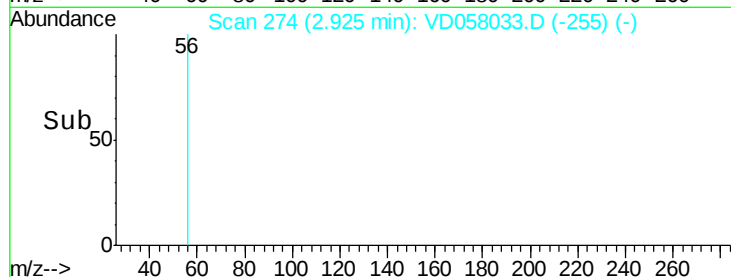
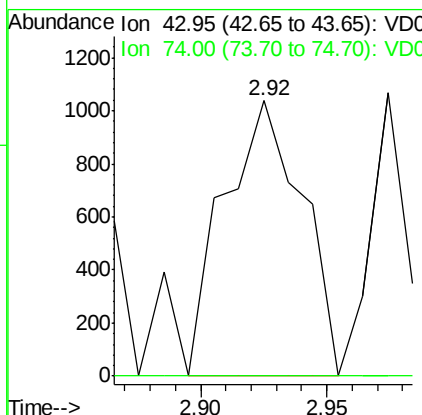
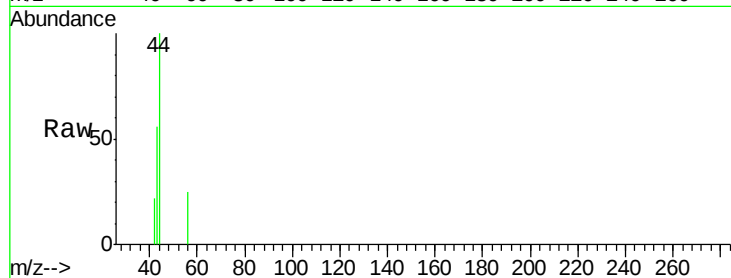




#18
Methvl Acetate
Concen: 2.581 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.02 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

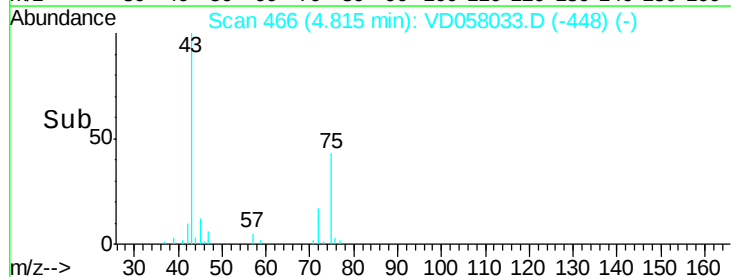
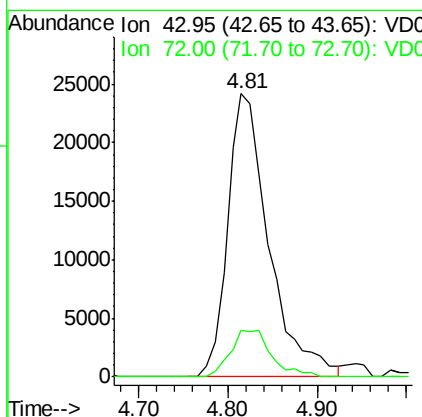
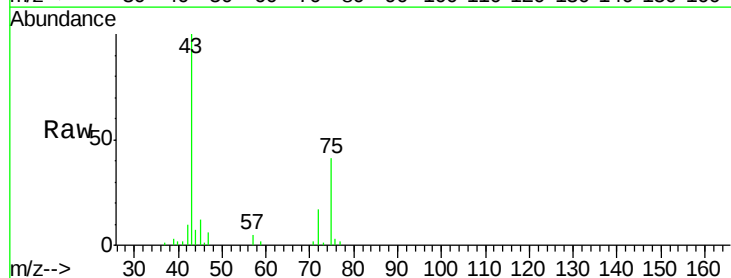
Instrument :
MSVOA_D
ClientSampleId :

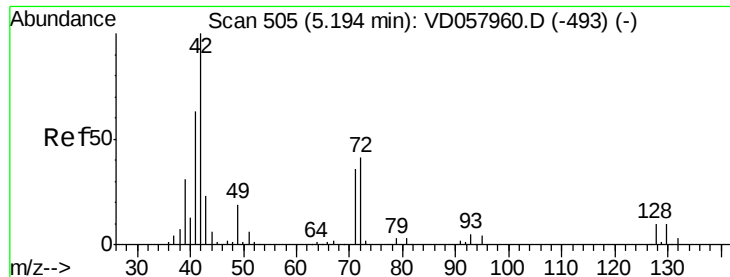
Tot Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 76.465 ug/l
RT: 4.81 min Scan# 466
Delta R.T. -0.03 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Tgt Ion: 43 Resp: 77938
Ion Ratio Lower Upper
43 100
72 16.5 12.0 18.0

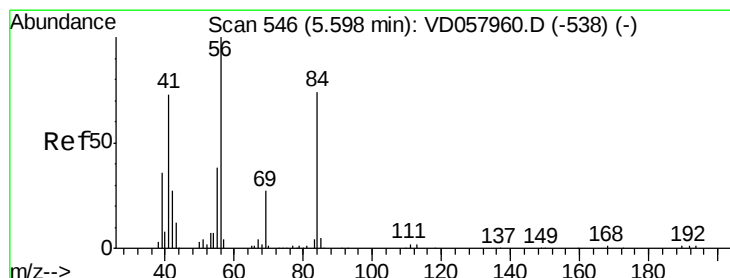
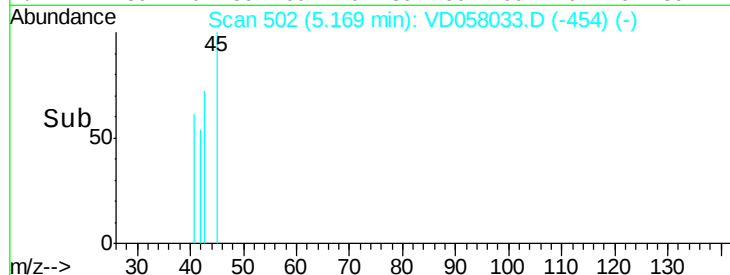
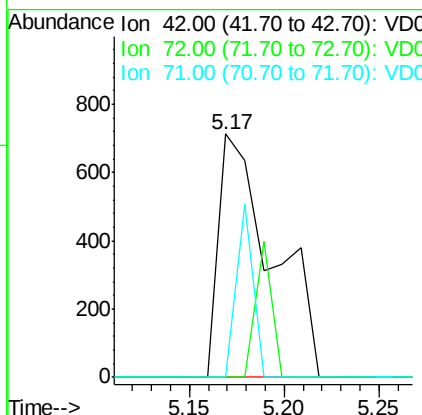
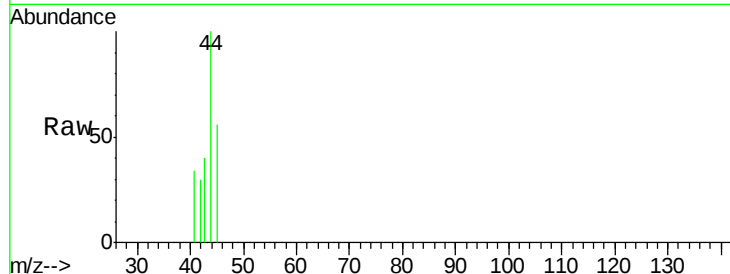




#29
Tetrahydrofuran
Concen: 2.618 ug/l
RT: 5.17 min Scan# 502
Delta R.T. -0.03 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

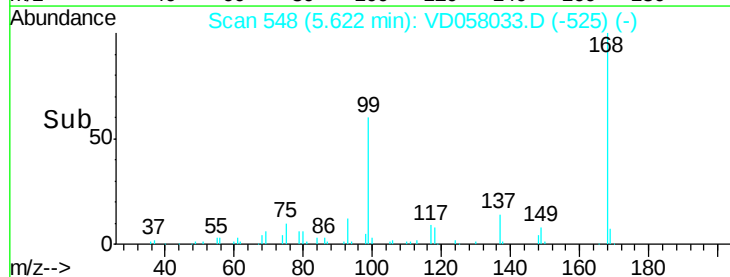
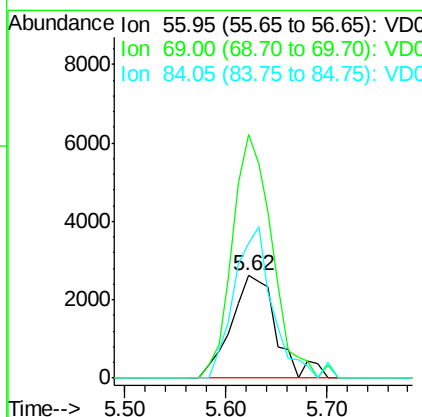
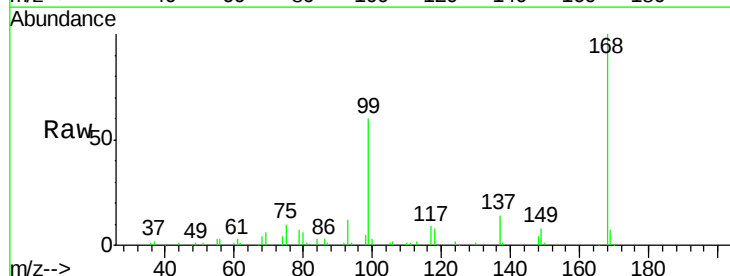
Instrument :
MSVOA_D
ClientSampleID :

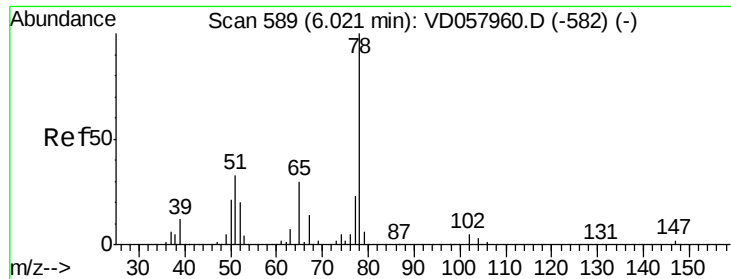
Tot Ion: 42 Resp: 1399
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 21.4 27.9 41.9#



#31
Cyclohexane
Concen: 1.502 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Tgt Ion: 56 Resp: 8132
Ion Ratio Lower Upper
56 100
69 237.6 21.5 32.3#
84 132.0 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058033.D

Acq: 8 Jun 2018 22:24

Instrument :

MSVOA_D

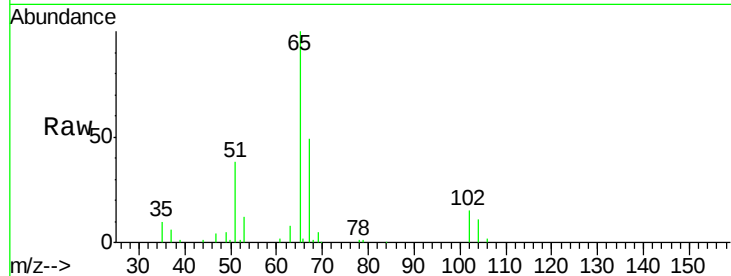
ClientSampleId :

Tot Ion: 65 Resp: 190530

Ion Ratio Lower Upper

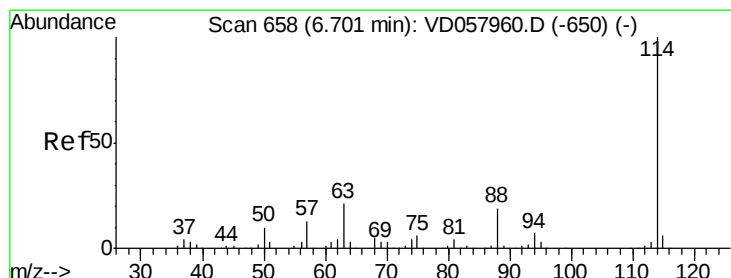
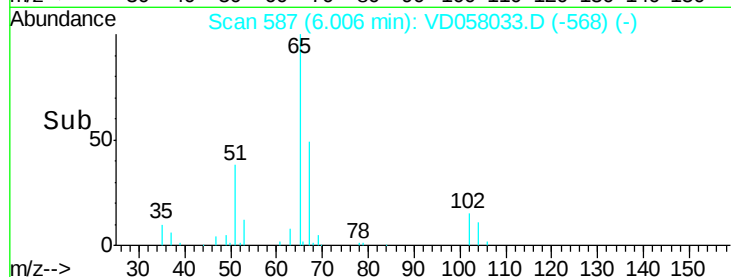
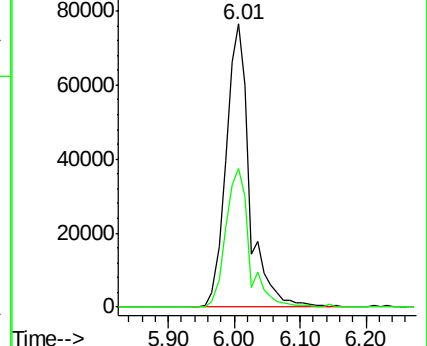
65 100

67 49.1 0.0 94.0



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: 6.68 min Scan# 655

Delta R.T. -0.03 min

Lab File: VD058033.D

Acq: 8 Jun 2018 22:24

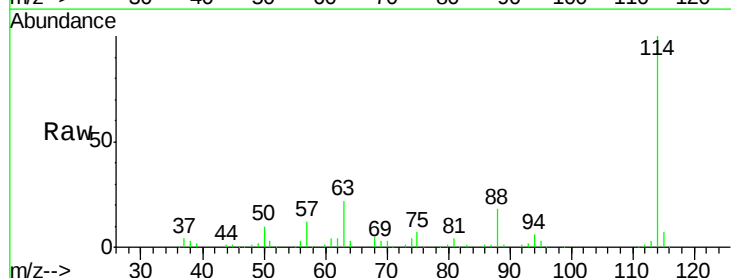
Tgt Ion: 114 Resp: 403426

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.8

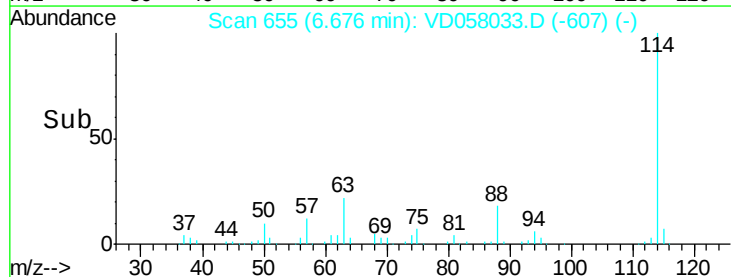
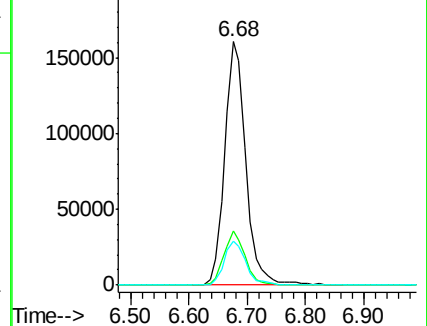
88 18.2 0.0 37.8

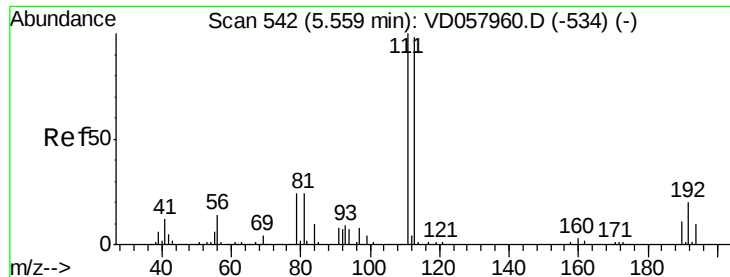


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

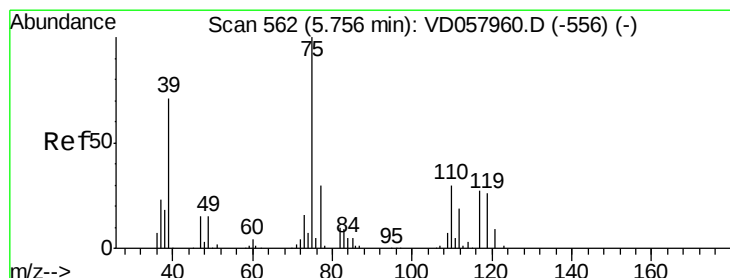
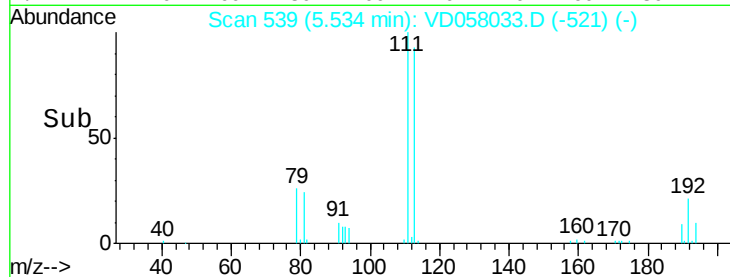
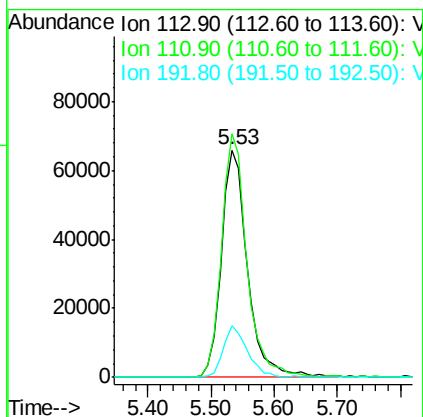
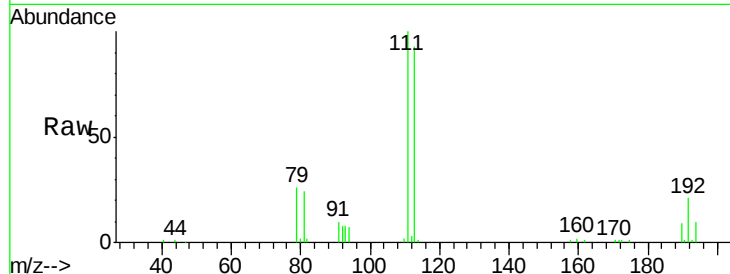




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD058033.D
 Acq: 8 Jun 2018 22:24

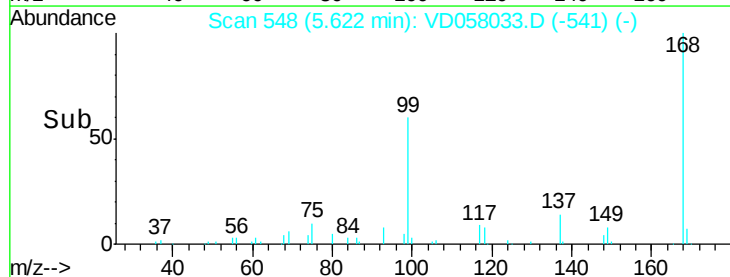
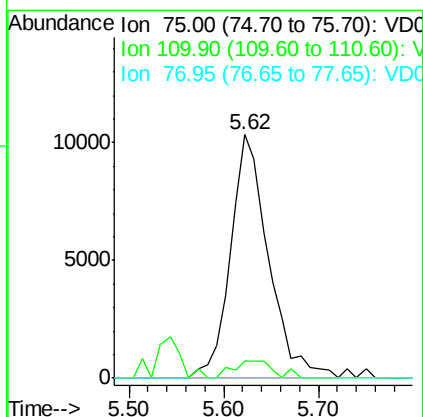
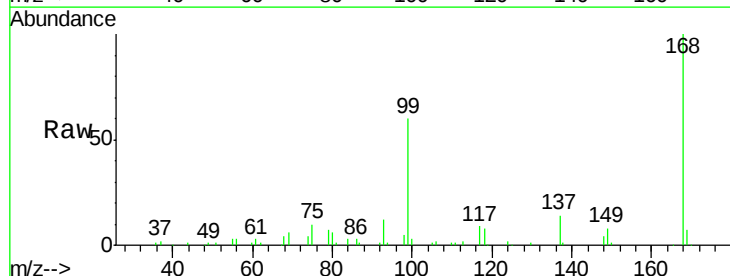
Instrument :
 MSVOA_D
 ClientSampleId :

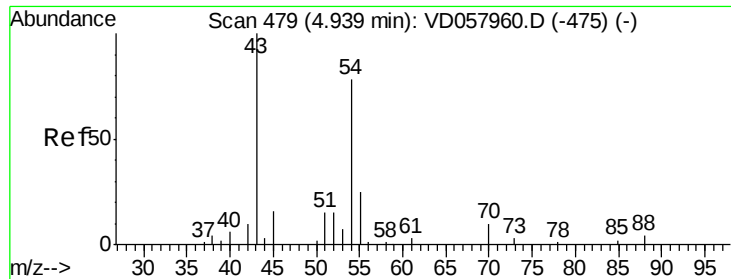
Tot Ion:113 Resp: 189354
 Ion Ratio Lower Upper
 113 100
 111 107.1 81.5 122.3
 192 22.6 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 6.469 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD058033.D
 Acq: 8 Jun 2018 22:24

Tgt Ion: 75 Resp: 28751
 Ion Ratio Lower Upper
 75 100
 110 7.1 14.8 44.3#
 77 0.0 23.9 35.9#

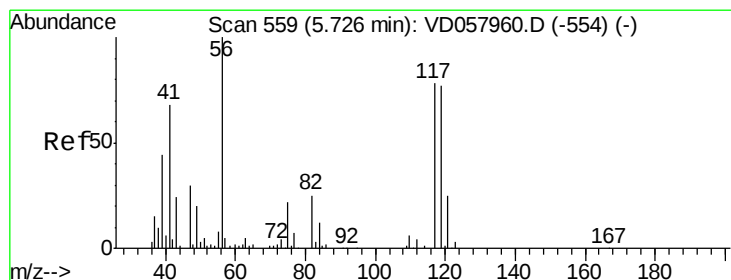
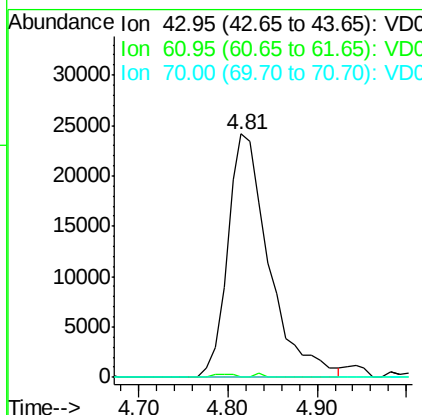
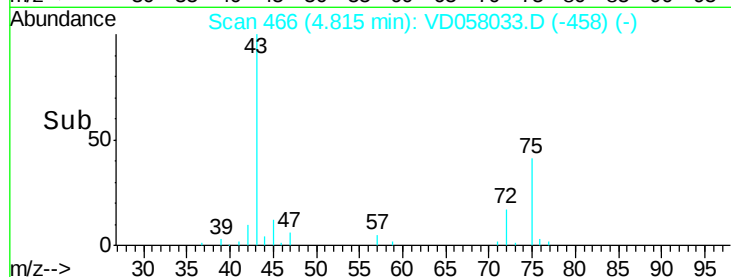
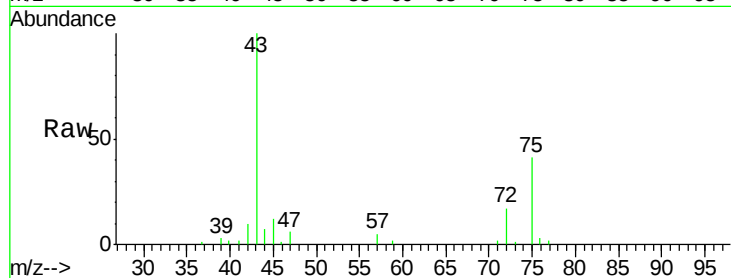




#37
Ethyl Acetate
Concen: 32.136 ug/l
RT: 4.81 min Scan# 466
Delta R.T. -0.12 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

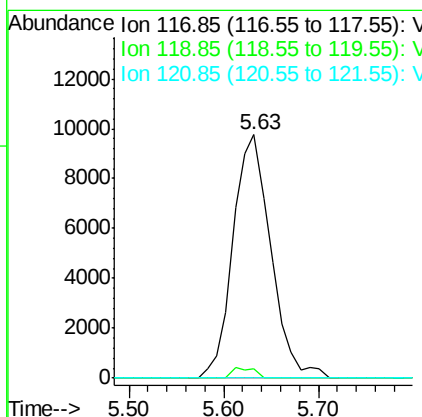
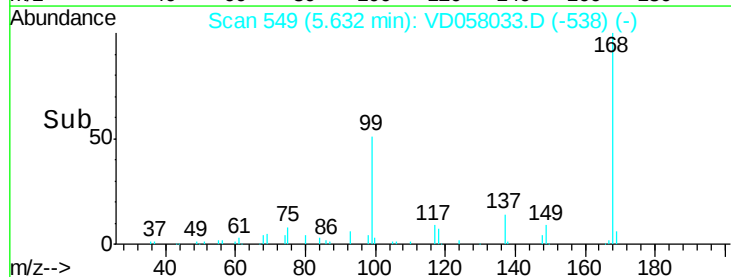
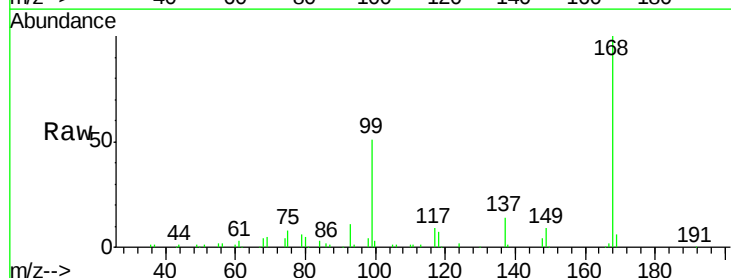
Instrument :
MSVOA_D
ClientSampleId :

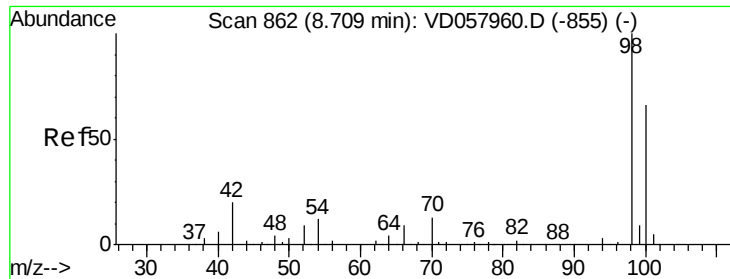
Tot Ion: 43 Resp: 77938
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.09 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Tgt Ion: 117 Resp: 26970
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.9 37.3#

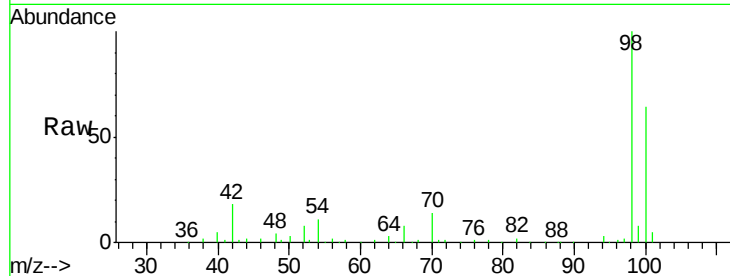




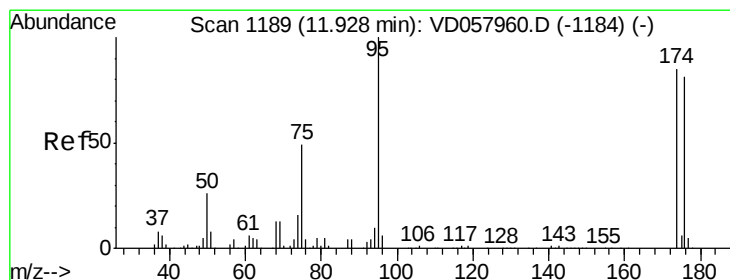
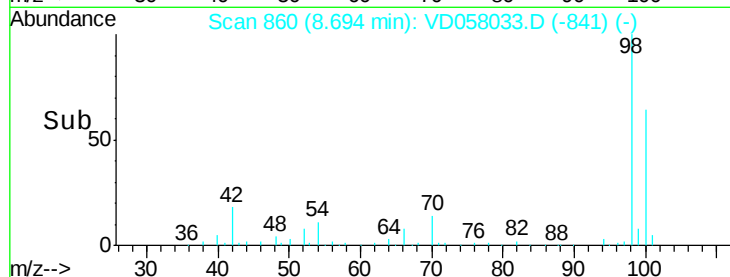
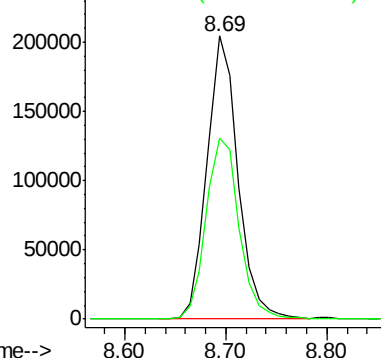
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 437390
Ion Ratio Lower Upper
98 100
100 64.0 53.4 80.0

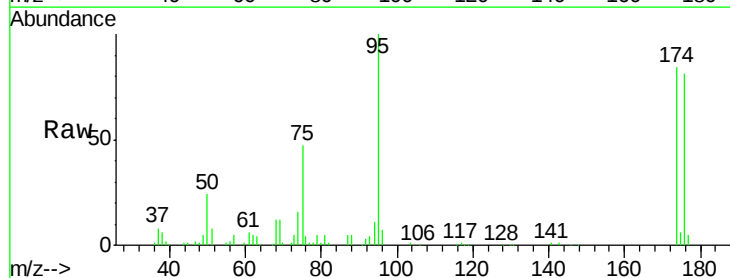


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

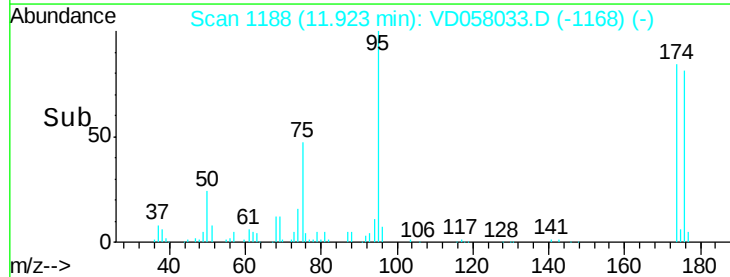
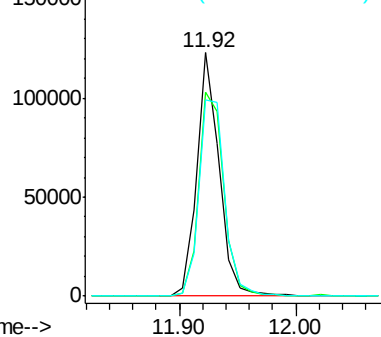


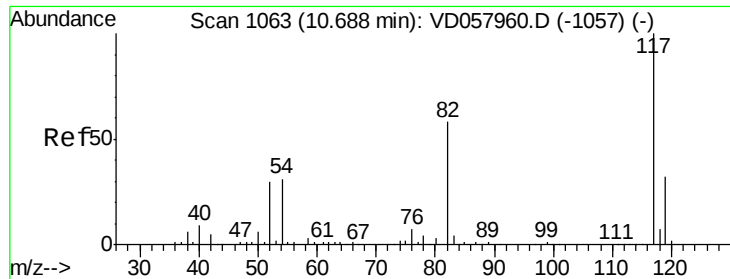
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Tgt Ion: 95 Resp: 162443
Ion Ratio Lower Upper
95 100
174 83.6 0.0 169.4
176 80.6 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

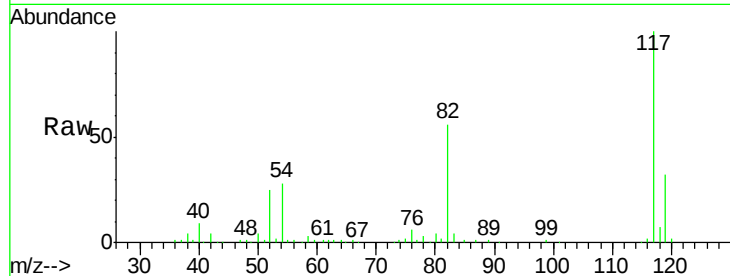




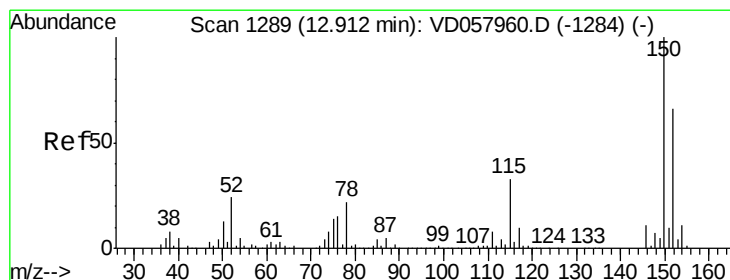
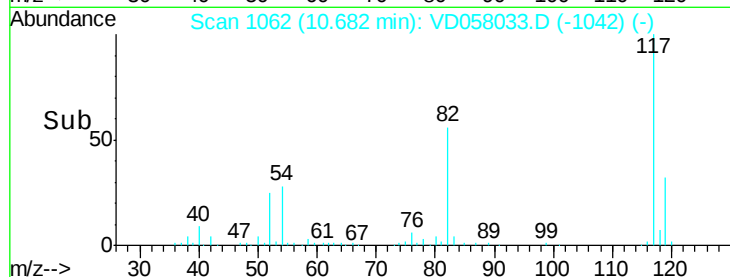
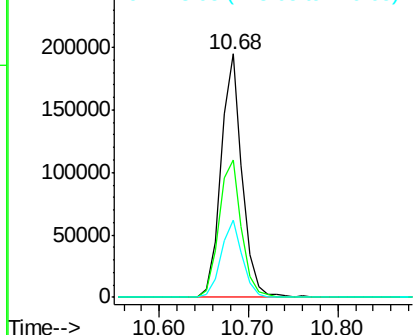
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 325341
Ion Ratio Lower Upper
117 100
82 56.4 46.8 70.2
119 31.7 25.8 38.6

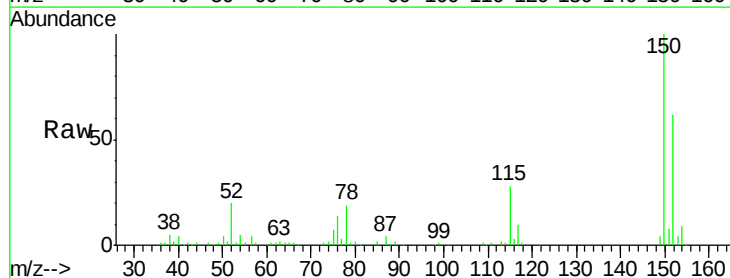


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

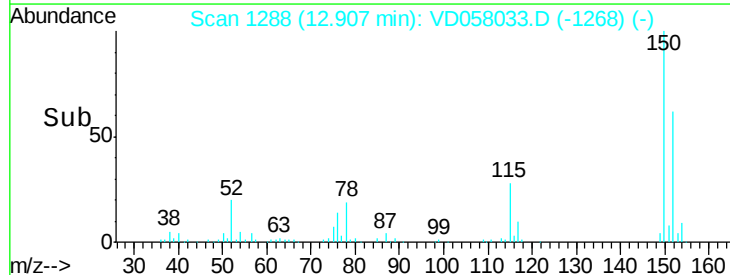
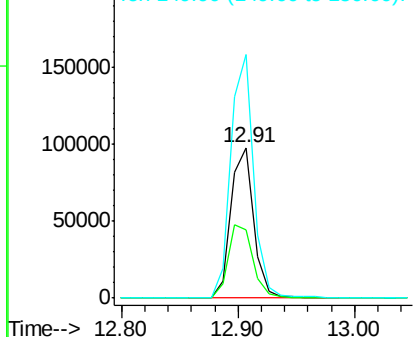


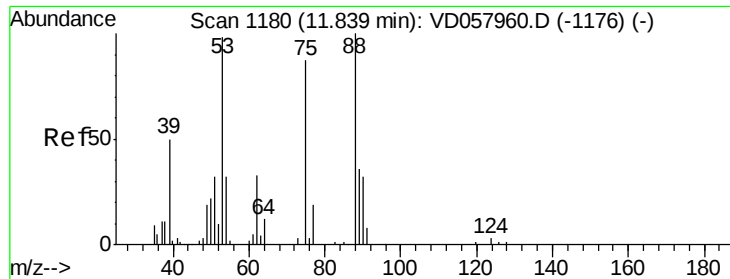
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058033.D
Acq: 8 Jun 2018 22:24

Tgt Ion:152 Resp: 133266
Ion Ratio Lower Upper
152 100
115 45.4 25.6 76.6
150 161.8 0.0 306.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 156.950 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058033.D

Acq: 8 Jun 2018 22:24

Instrument :

MSVOA_D

ClientSampleId :

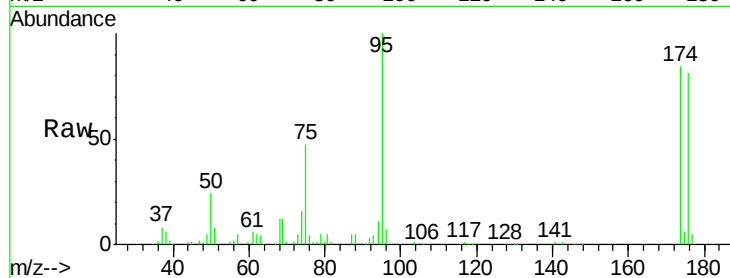
Tot Ion: 75 Resp: 77820

Ion Ratio Lower Upper

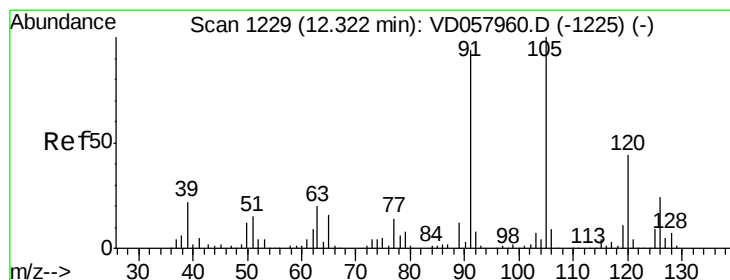
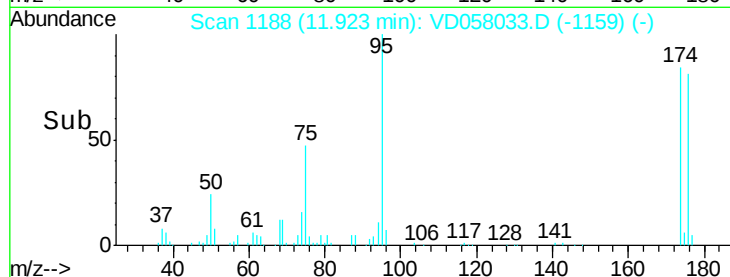
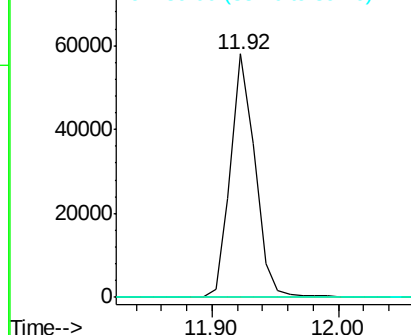
75 100

53 0.0 89.3 133.9#

89 0.0 33.3 49.9#



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# 1228

Delta R.T. -0.00 min

Lab File: VD058033.D

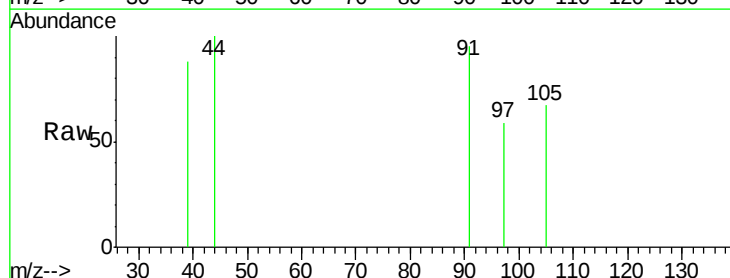
Acq: 8 Jun 2018 22:24

Tgt Ion: 91 Resp: 572

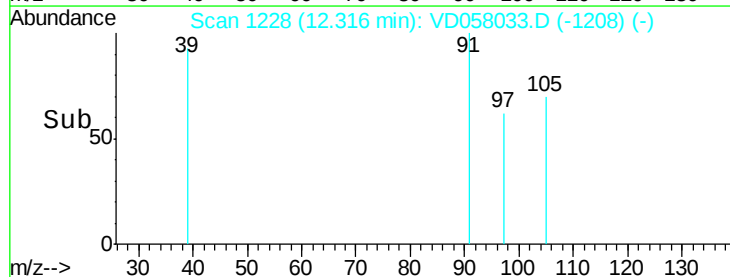
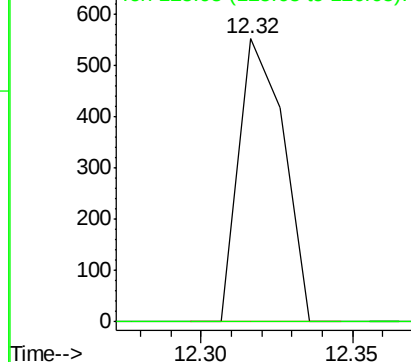
Ion Ratio Lower Upper

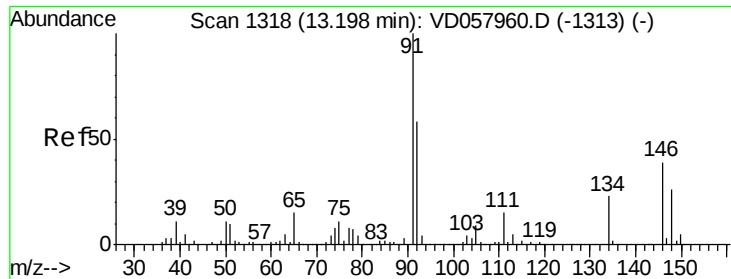
91 100

126 0.0 12.5 37.5#



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

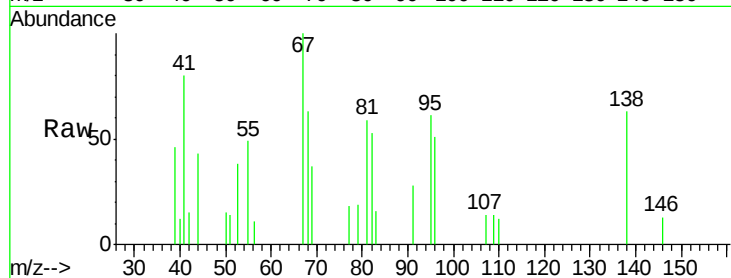




#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058033.D
 Acq: 8 Jun 2018 22:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 901
 Ion Ratio Lower Upper
 91 100
 92 0.0 29.2 87.6#
 134 0.0 11.3 33.9#



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

