

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058145.D
 Acq On : 14 Jun 2018 19:41
 Operator : VA/AP
 Sample : J3498-15
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:05:53 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	5.65	168	668040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	862209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	701885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	344356	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	317085	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.55	113	318352	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	8.71	98	655673	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	
62) 4-Bromofluorobenzene	11.94	95	275423	39.81	ug/l	0.00
Spiked Amount			Recovery	=	79.62%	

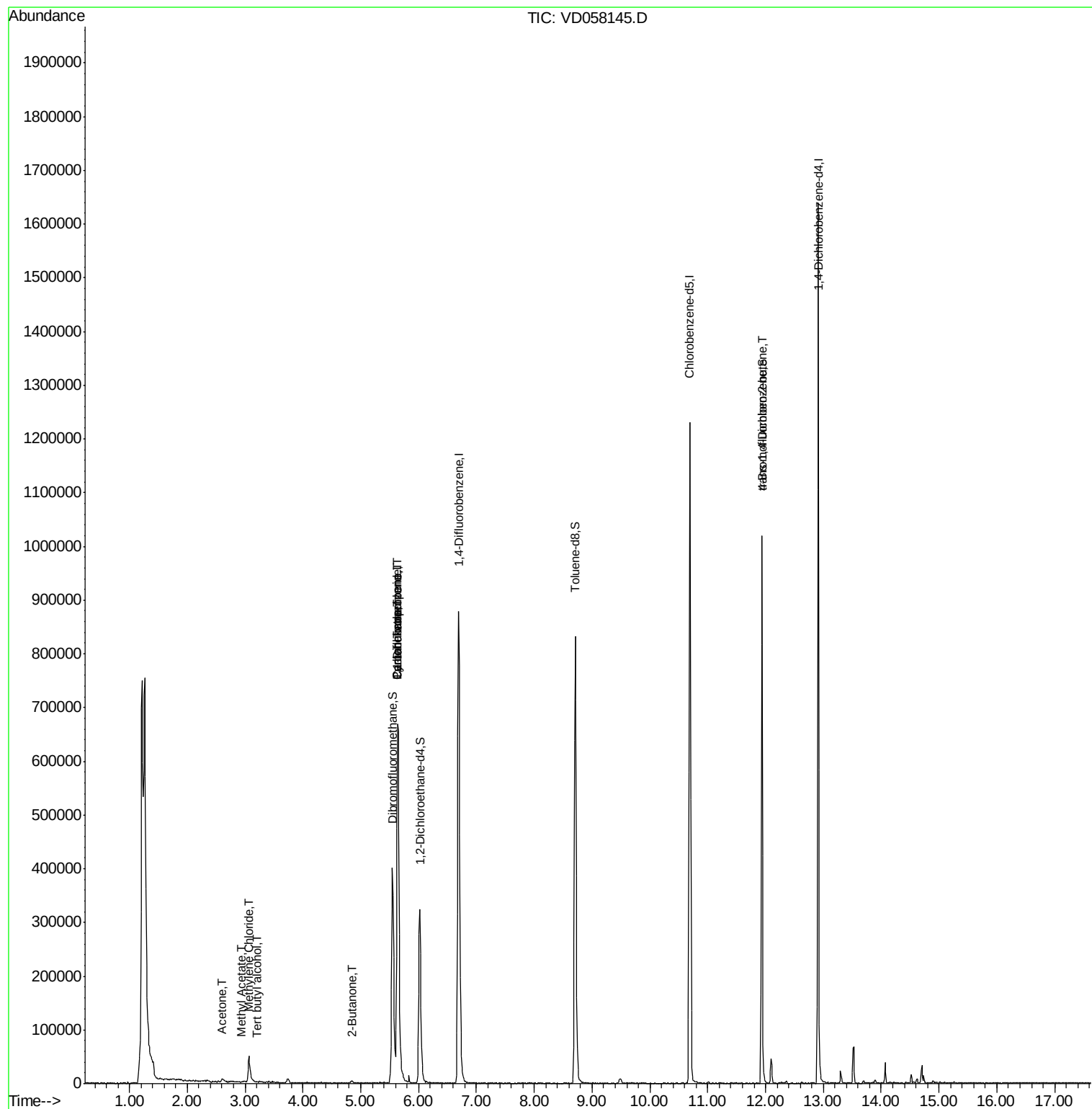
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.21	59	206	1.151	ug/l #	74
16) Acetone	2.61	43	14022	14.572	ug/l	94
18) Methyl Acetate	2.92	43	2436	1.309	ug/l #	66
20) Methylene Chloride	3.07	84	22267	1.934	ug/l #	80
25) 2-Butanone	4.85	43	4139	1.893	ug/l #	64
31) Cyclohexane	5.64	56	17069	1.470	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	55731	5.867	ug/l #	51
38) Carbon Tetrachloride	5.64	117	55964	5.978	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	134675	105.116	ug/l #	6
82) 4-Chlorotoluene	12.33	91	514	Below Cal	#	50

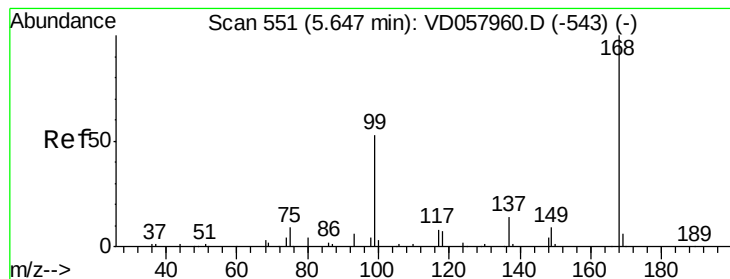
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058145.D

Acq: 14 Jun 2018 19:41

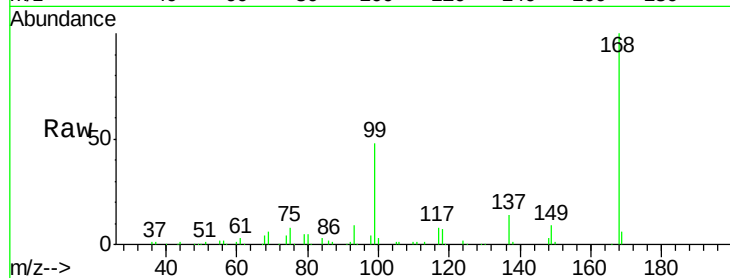
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 668040

Ion Ratio Lower Upper

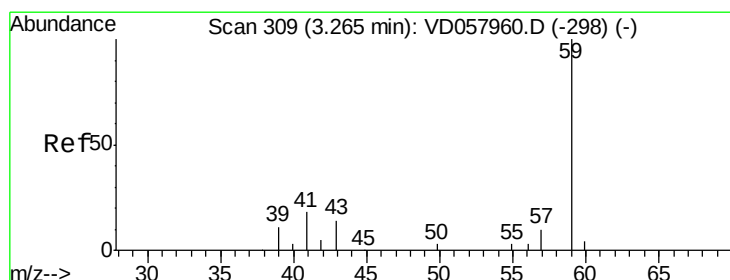
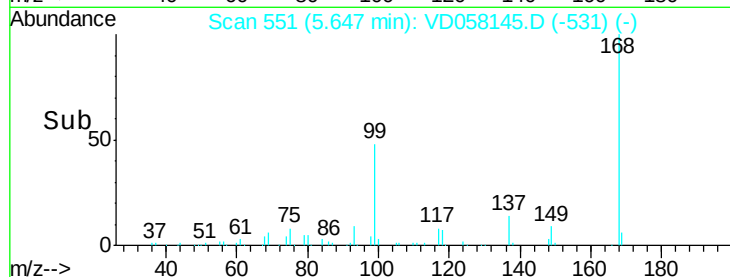
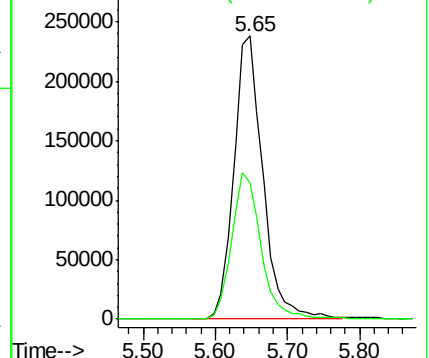
168 100

99 48.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.151 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.06 min

Lab File: VD058145.D

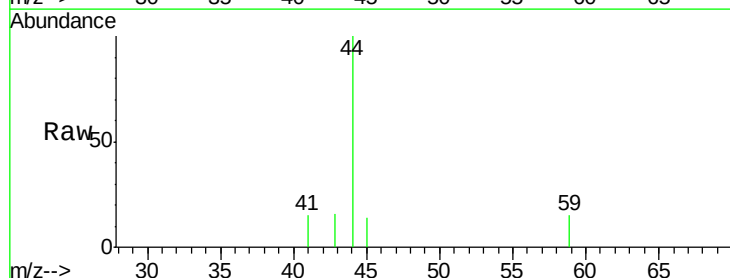
Acq: 14 Jun 2018 19:41

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

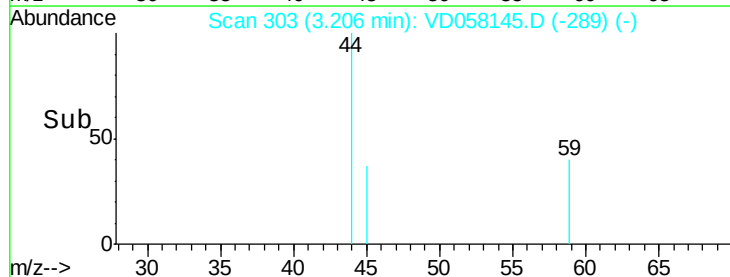
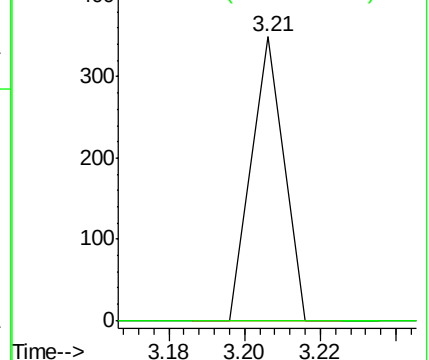
59 100

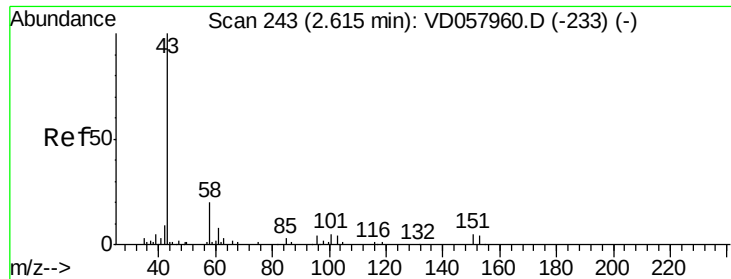
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 14.572 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058145.D

Acq: 14 Jun 2018 19:41

Instrument :

MSVOA_D

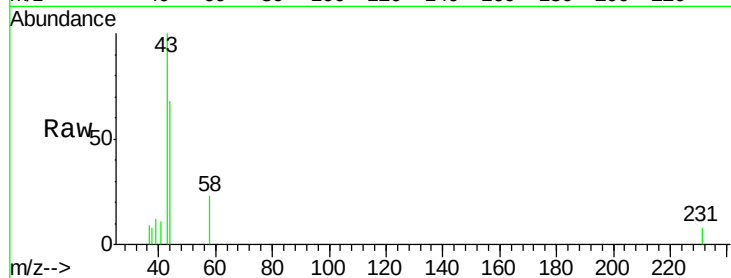
ClientSampleId :

Tot Ion: 43 Resp: 14022

Ion Ratio Lower Upper

43 100

58 22.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.61

4000

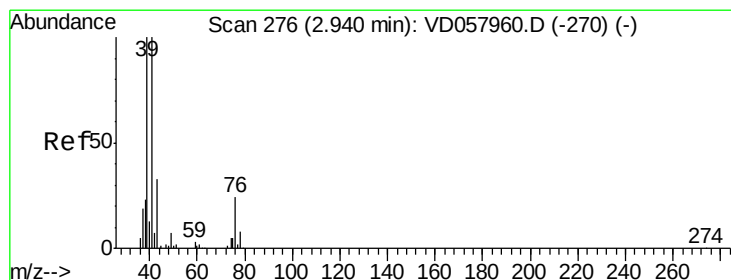
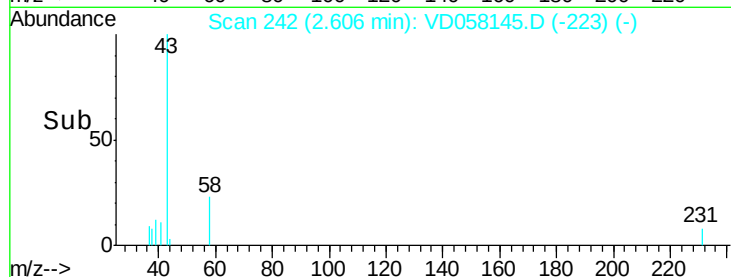
3000

2000

1000

0

Time-->



#18

Methyl Acetate

Concen: 1.309 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.02 min

Lab File: VD058145.D

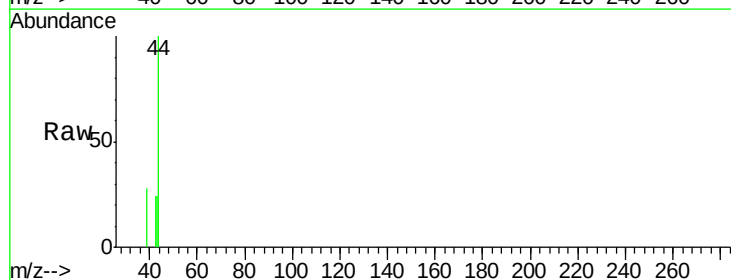
Acq: 14 Jun 2018 19:41

Tgt Ion: 43 Resp: 2436

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.92

800

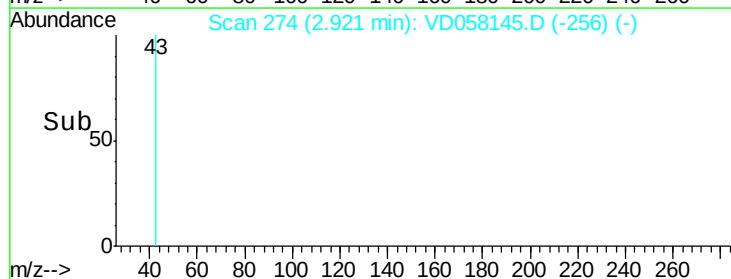
600

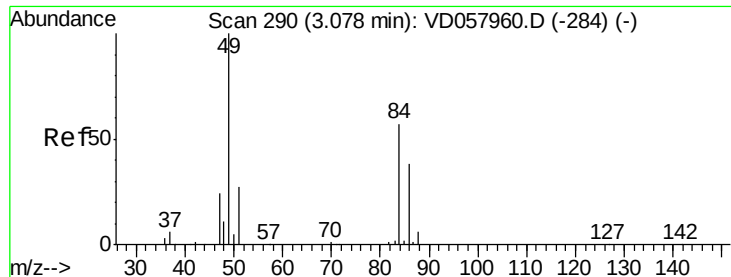
400

200

0

Time-->

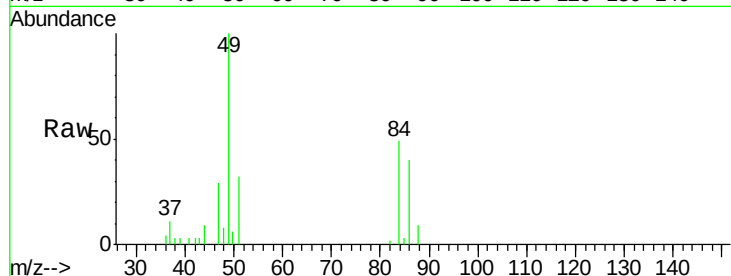




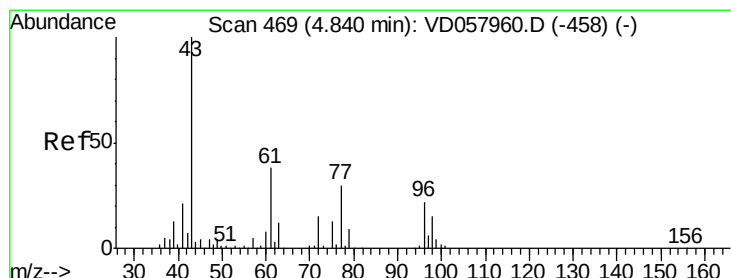
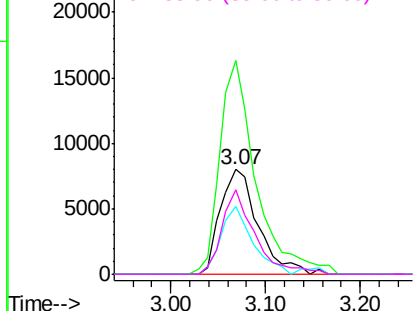
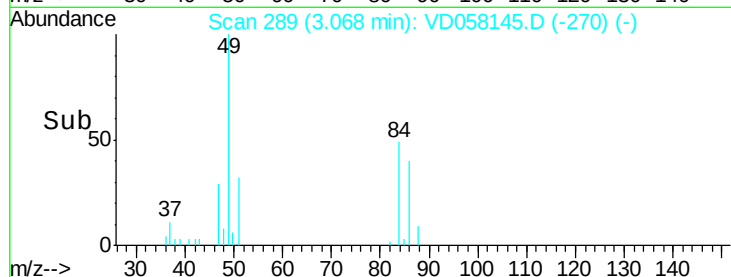
#20
Methvlene Chloride
Concen: 1.934 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 22267
Ion Ratio Lower Upper
84 100
49 203.9 141.4 212.0
51 65.2 38.3 57.5#
86 80.6 52.9 79.3#

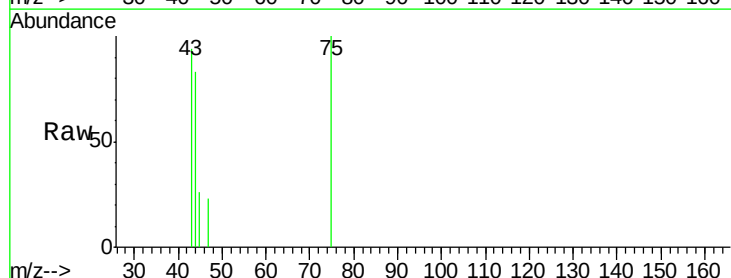


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

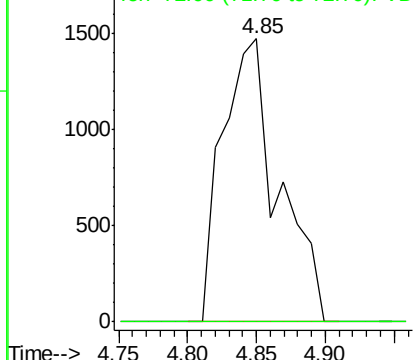
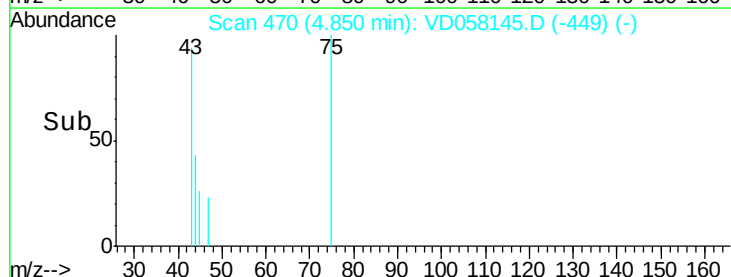


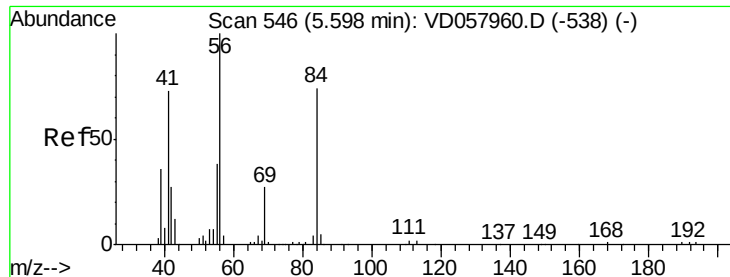
#25
2-Butanone
Concen: 1.893 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Tgt Ion: 43 Resp: 4139
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

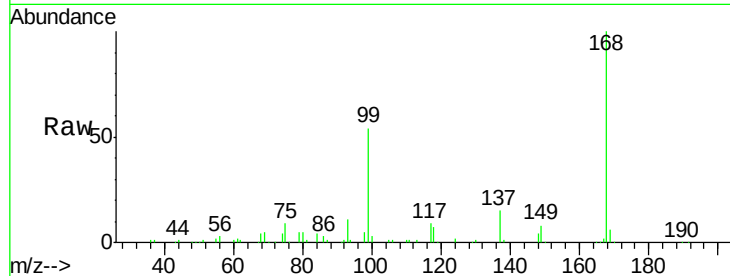




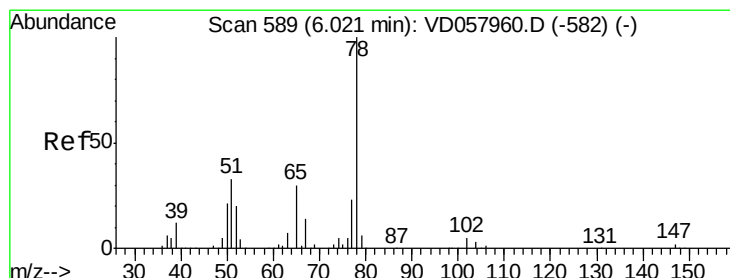
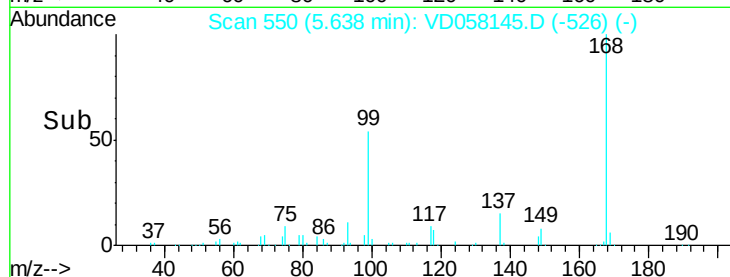
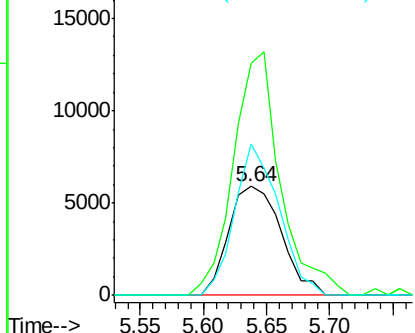
#31
Cyclohexane
Concen: 1.470 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17069
Ion Ratio Lower Upper
56 100
69 212.4 21.5 32.3#
84 139.2 61.0 91.6#

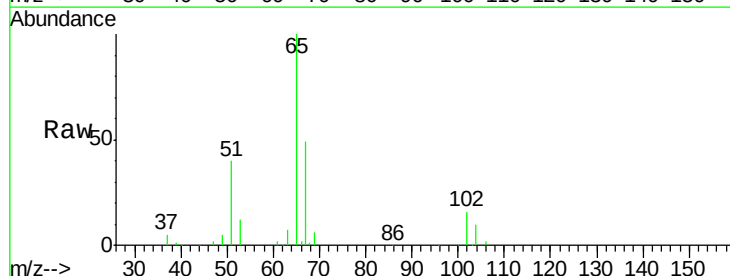


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

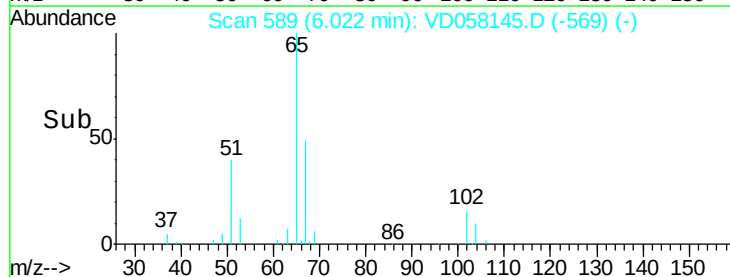
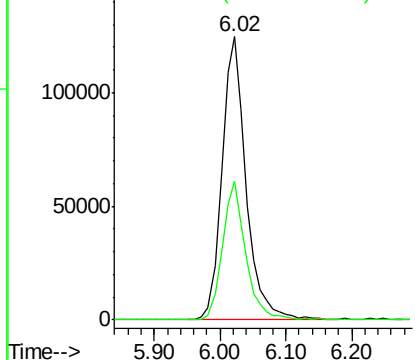


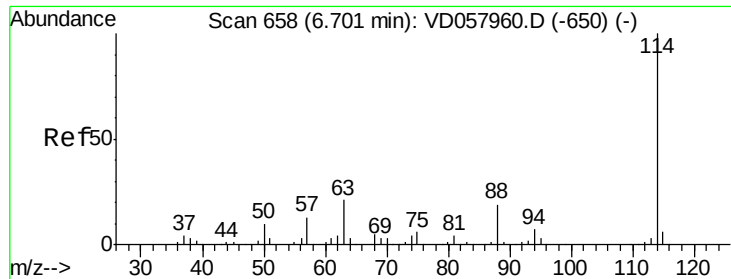
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.00 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Tgt Ion: 65 Resp: 317085
Ion Ratio Lower Upper
65 100
67 48.9 0.0 94.0



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

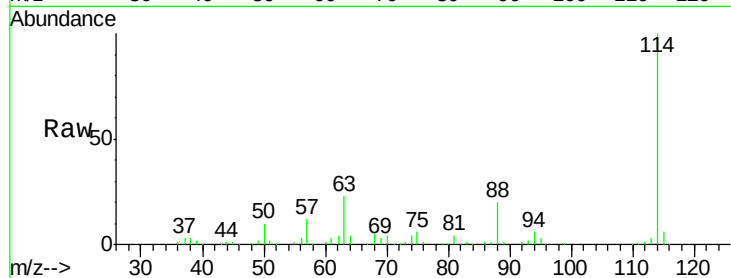




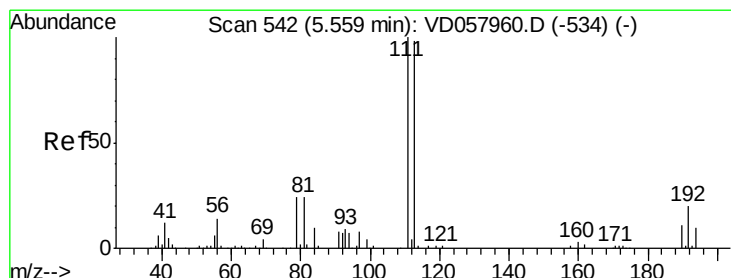
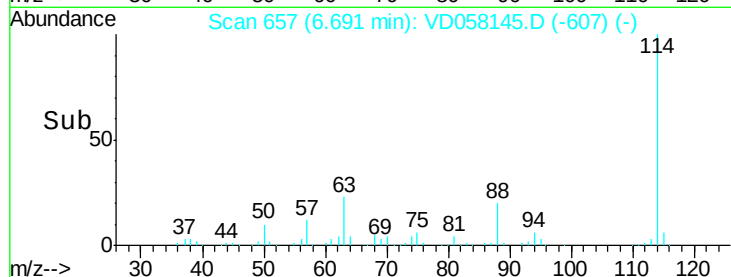
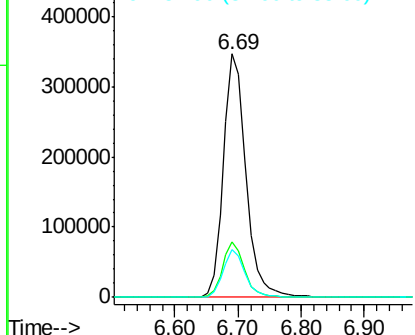
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058145.D
 Acq: 14 Jun 2018 19:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 862209
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 42.8
 88 19.7 0.0 37.8

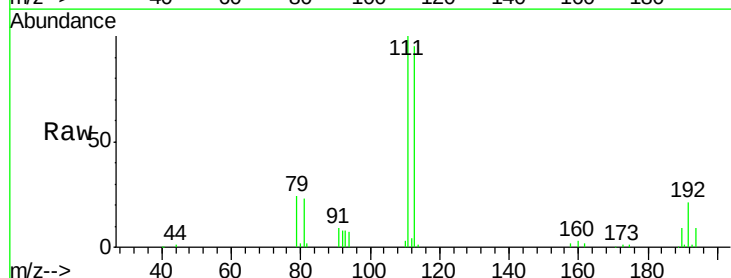


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

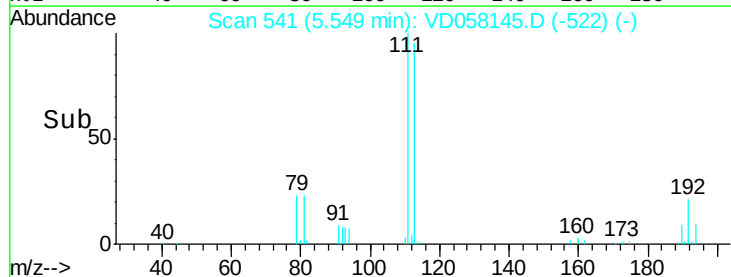
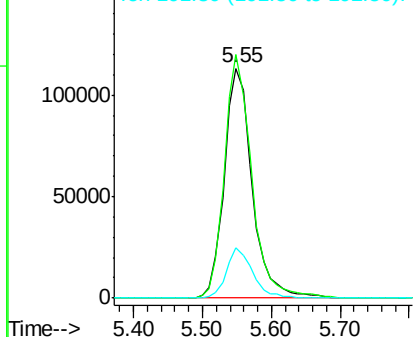


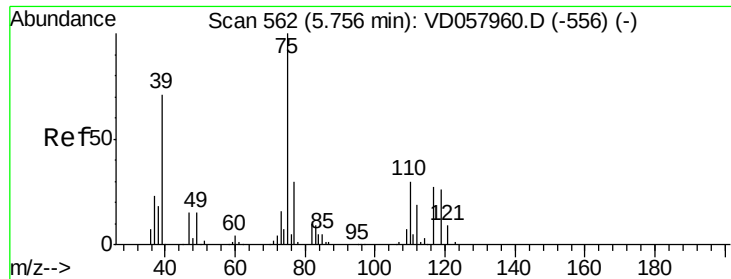
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058145.D
 Acq: 14 Jun 2018 19:41

Tgt Ion:113 Resp: 318352
 Ion Ratio Lower Upper
 113 100
 111 105.8 81.5 122.3
 192 22.1 16.4 24.6



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

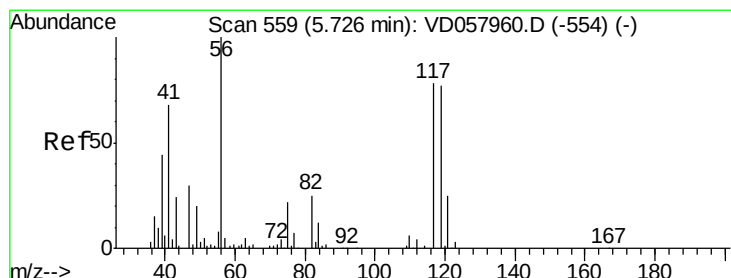
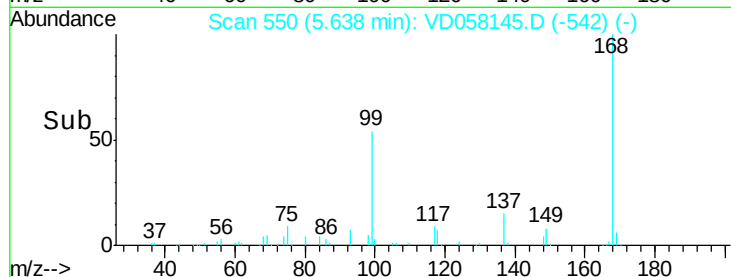
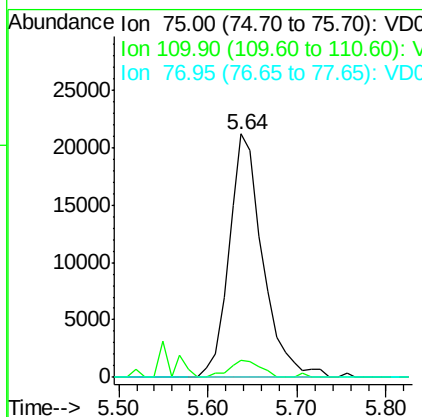
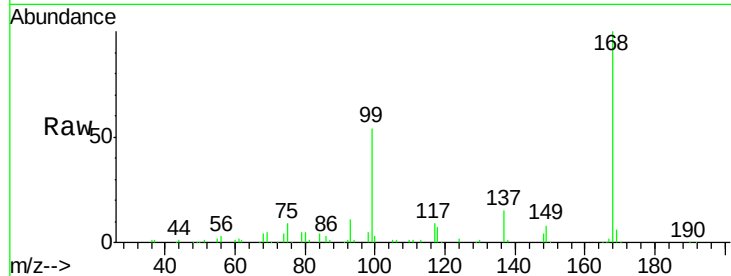




#36
 1,1-Dichloropropene
 Concen: 5.867 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.12 min
 Lab File: VD058145.D
 Acq: 14 Jun 2018 19:41

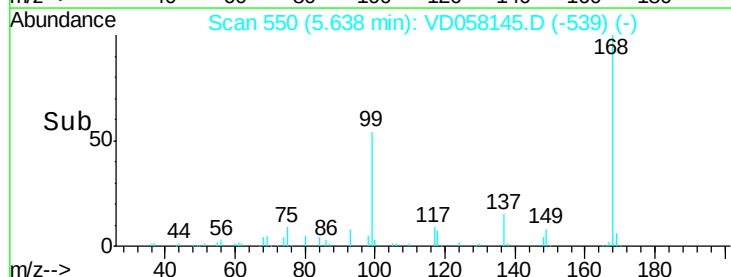
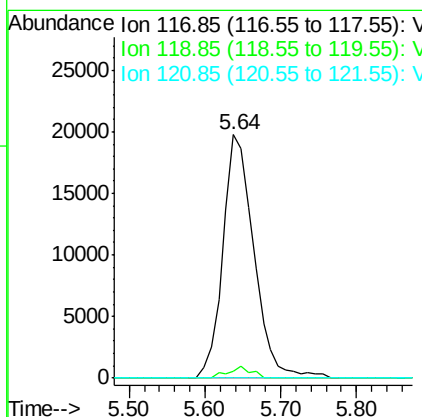
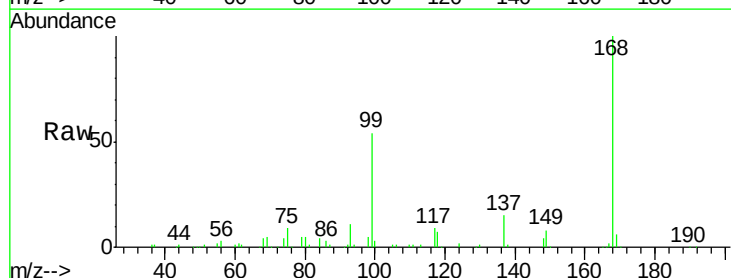
Instrument :
 MSVOA_D
 ClientSampled :

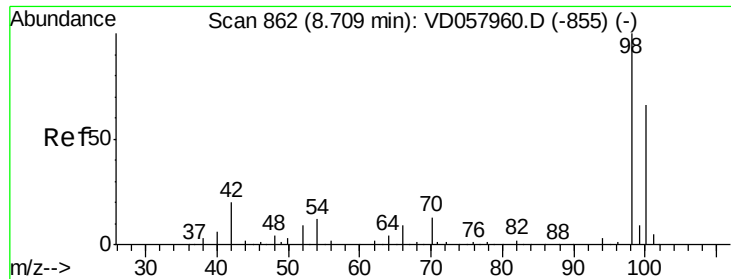
Tot Ion	75	Resp	55731
Ion Ratio	Lower	Upper	
75	100		
110	7.1	14.8	44.3#
77	0.0	23.9	35.9#



#38
 Carbon Tetrachloride
 Concen: 5.978 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD058145.D
 Acq: 14 Jun 2018 19:41

Tgt Ion	117	Resp	55964
Ion Ratio	Lower	Upper	
117	100		
119	2.8	76.1	114.1#
121	0.0	24.9	37.3#

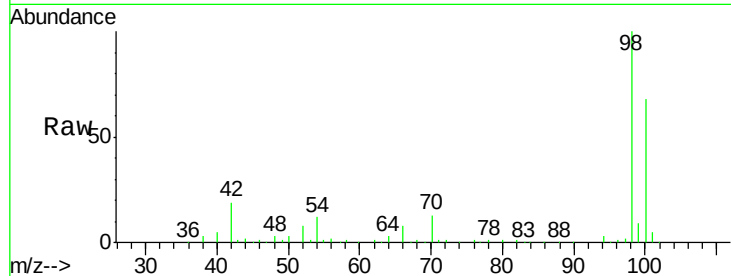




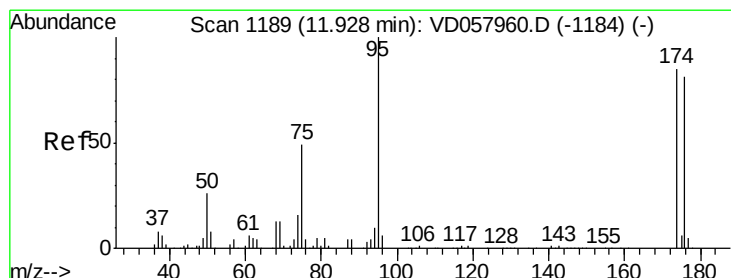
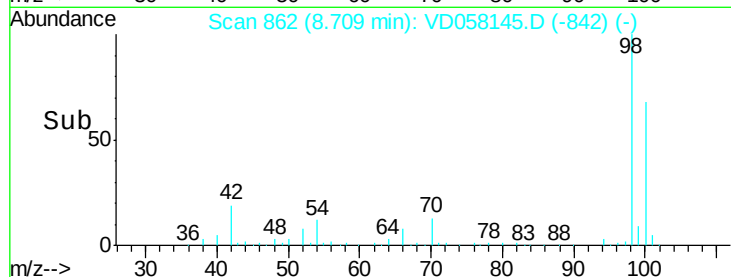
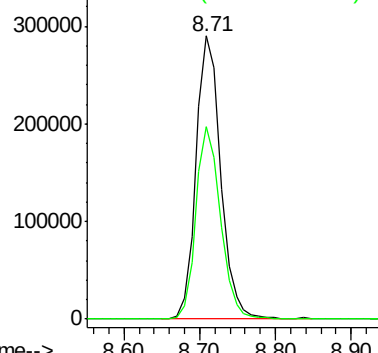
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 655673
Ion Ratio Lower Upper
98 100
100 68.0 53.4 80.0

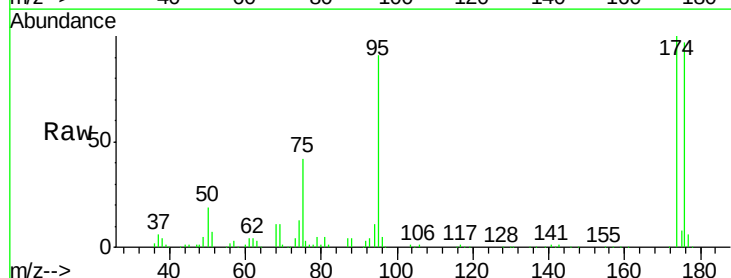


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

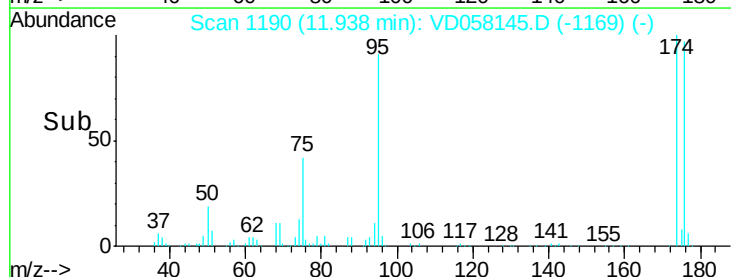
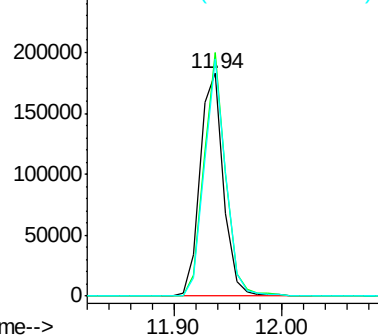


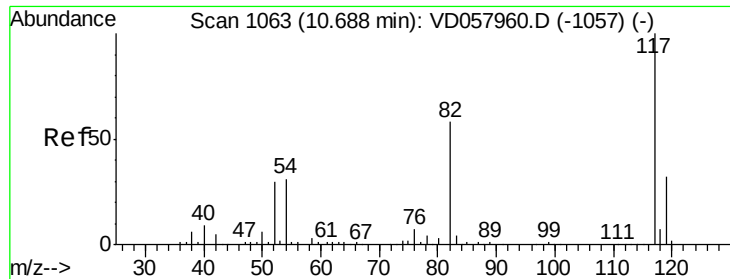
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Tgt Ion: 95 Resp: 275423
Ion Ratio Lower Upper
95 100
174 109.4 0.0 169.4
176 106.6 0.0 162.6



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

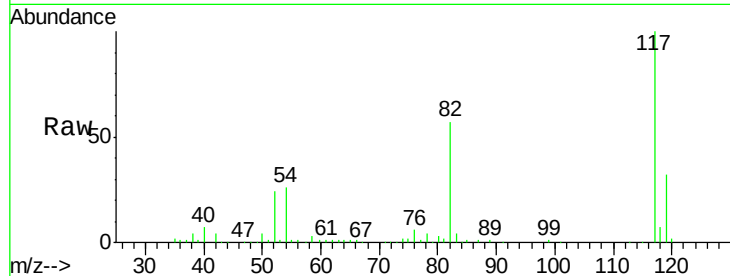




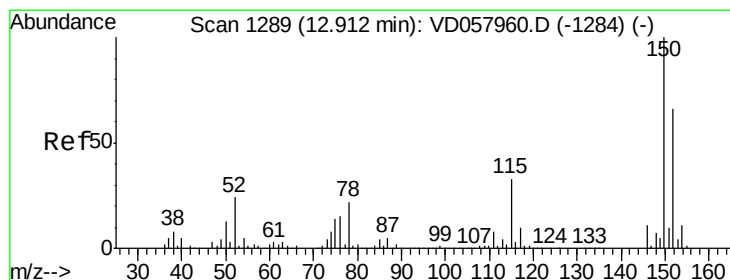
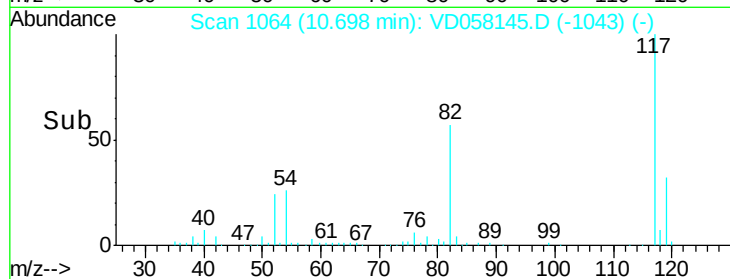
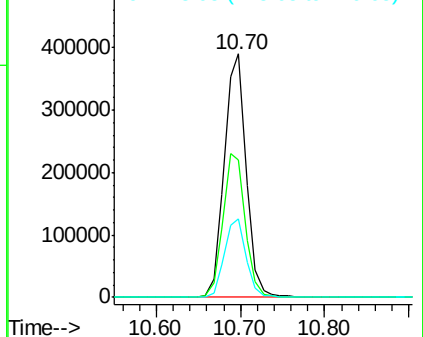
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 701885
Ion Ratio Lower Upper
117 100
82 56.5 46.8 70.2
119 32.1 25.8 38.6

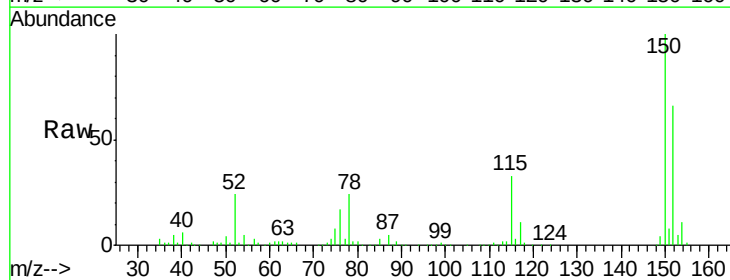


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

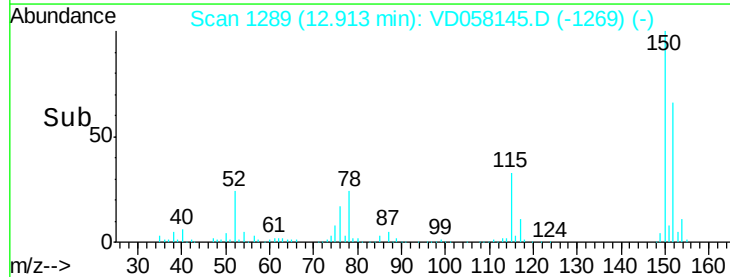
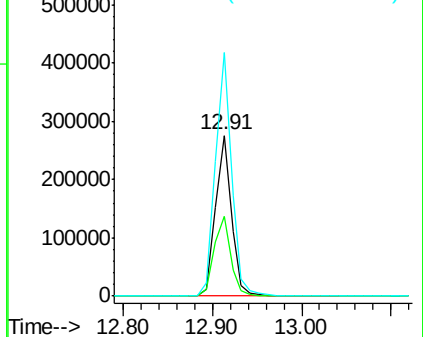


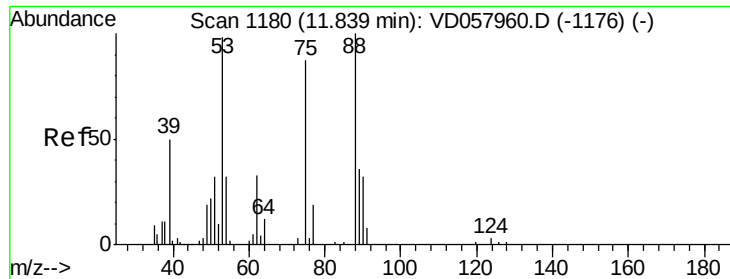
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058145.D
Acq: 14 Jun 2018 19:41

Tgt Ion:152 Resp: 344356
Ion Ratio Lower Upper
152 100
115 49.7 25.6 76.6
150 151.5 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: 105.116 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058145.D

Acq: 14 Jun 2018 19:41

Instrument :

MSVOA_D

ClientSampleId :

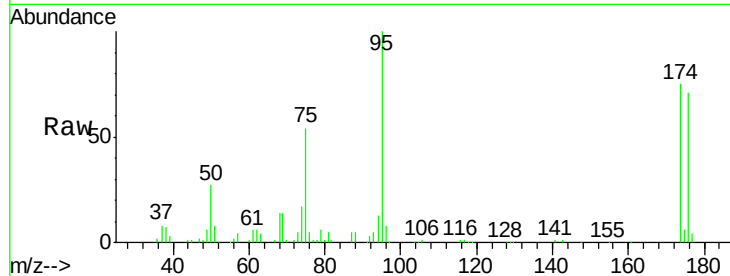
Tot Ion: 75 Resp: 134675

Ion Ratio Lower Upper

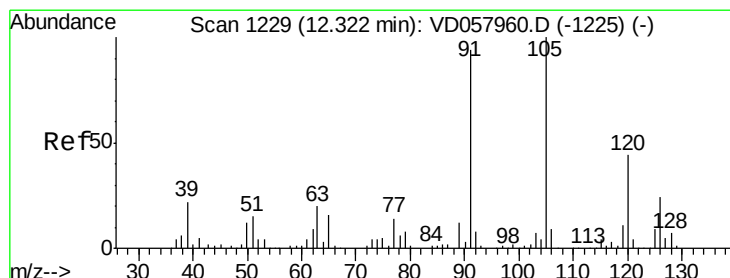
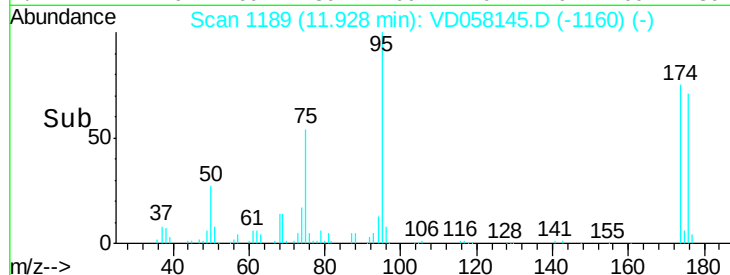
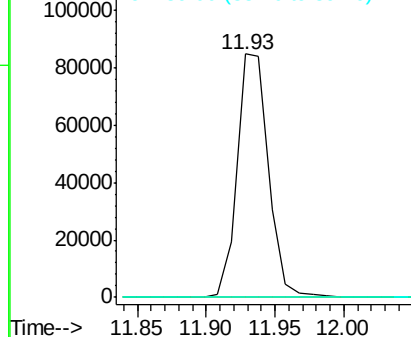
75 100

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: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD058145.D

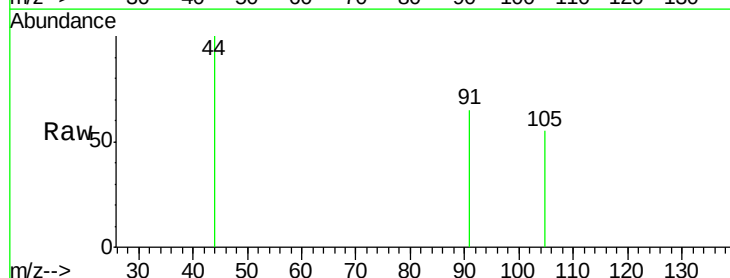
Acq: 14 Jun 2018 19:41

Tgt Ion: 91 Resp: 514

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

