

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058278.D
 Acq On : 22 Jun 2018 5:17
 Operator : VA/AP
 Sample : J3626-01
 Misc : 6.40g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-1

Quant Time: Jun 22 06:20:27 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

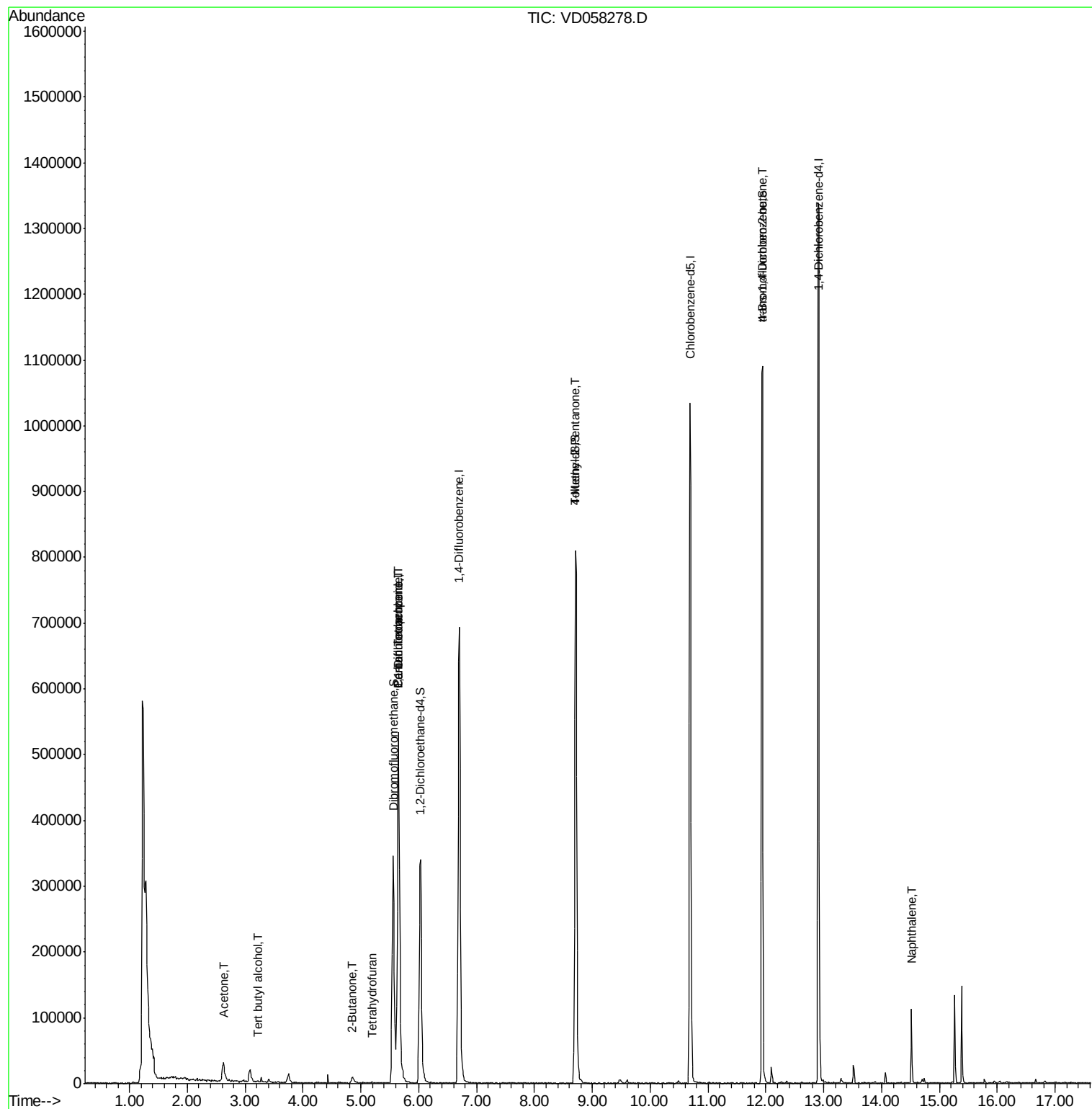
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	542262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	716827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	585016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	323712	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	344231	62.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	125.70%	
35) Dibromofluoromethane	5.56	113	275662	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	8.71	98	680061	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.93	95	325604	56.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.94%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.49	50	236	Below Cal	#	43
5) Bromomethane	1.79	94	204	Below Cal	#	3
11) Tert butyl alcohol	3.21	59	670	3.709	ug/l #	78
16) Acetone	2.62	43	65068	86.867	ug/l	95
20) Methylene Chloride	3.09	84	8332	Below Cal	#	80
25) 2-Butanone	4.84	43	3720	2.279	ug/l #	60
29) Tetrahydrofuran	5.18	42	999	1.150	ug/l #	57
31) Cyclohexane	5.66	56	12298	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	45952	6.480	ug/l #	52
38) Carbon Tetrachloride	5.66	117	46038	6.534	ug/l #	14
51) 4-Methyl-2-Pentanone	8.72	43	4858	1.383	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	161626	140.214	ug/l #	1
82) 4-Chlorotoluene	12.33	91	258	Below Cal	#	45
95) Naphthalene	14.52	128	57452	5.317	ug/l #	93

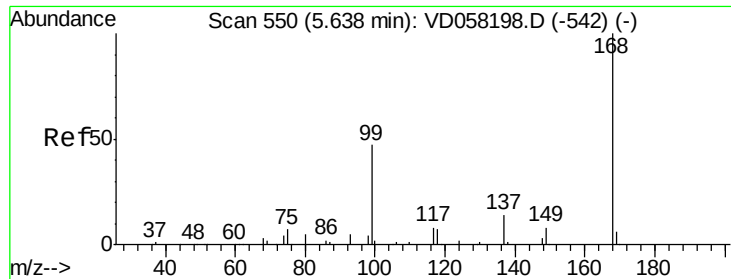
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

Instrument :

MSVOA_D

ClientSampleId :

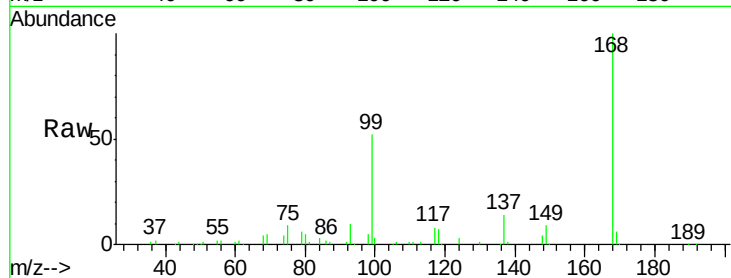
A-1

Tot Ion:168 Resp: 542262

Ion Ratio Lower Upper

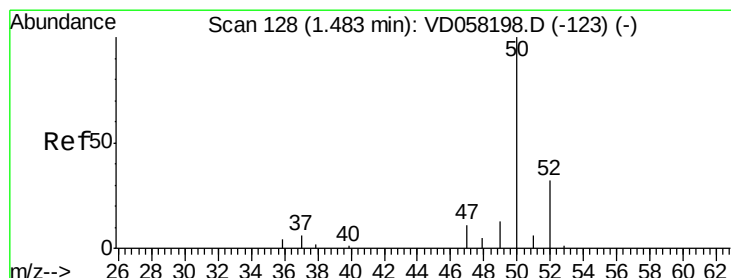
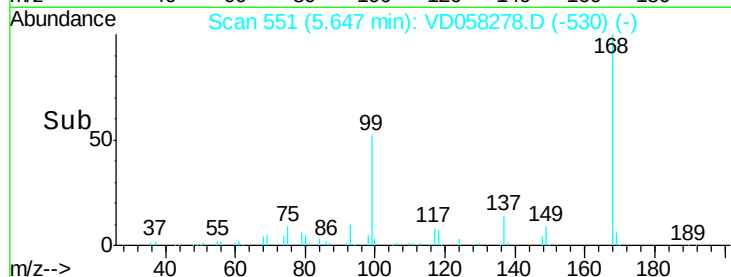
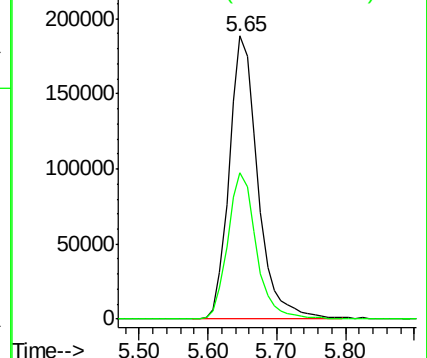
168 100

99 51.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058278.D

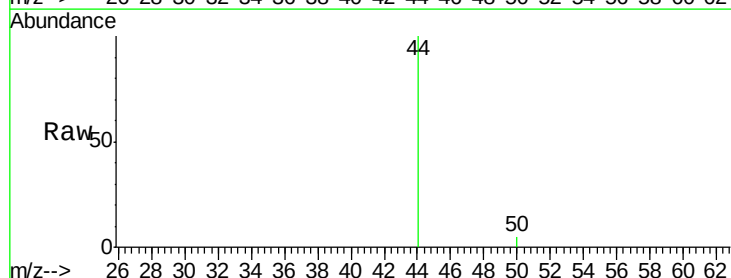
Acq: 22 Jun 2018 5:17

Tgt Ion: 50 Resp: 236

Ion Ratio Lower Upper

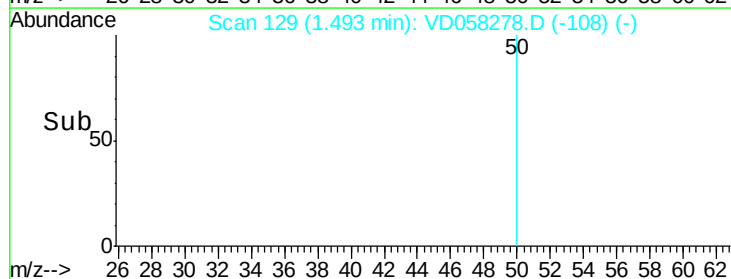
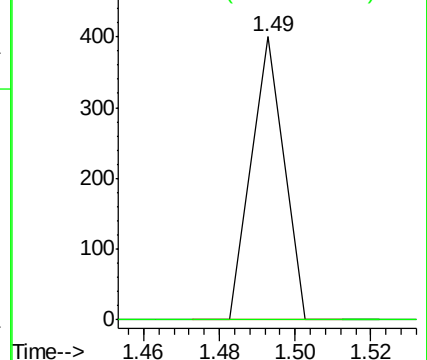
50 100

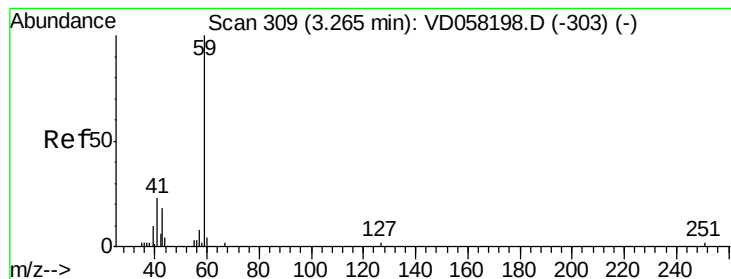
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#11

Tert butyl alcohol

Concen: 3.709 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.06 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

Instrument :

MSVOA_D

ClientSampleId :

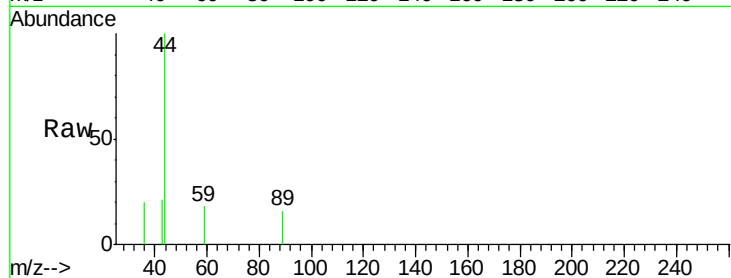
A-1

Tot Ion: 59 Resp: 670

Ion Ratio Lower Upper

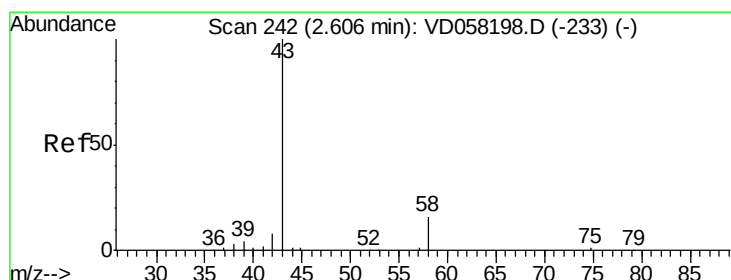
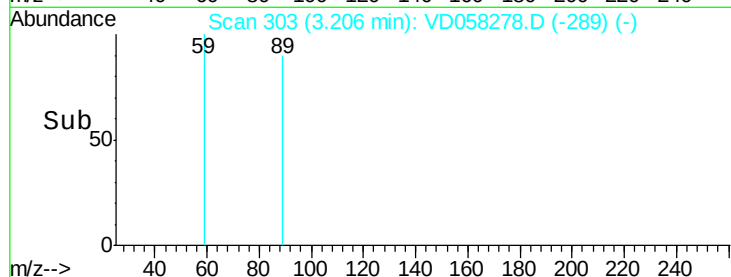
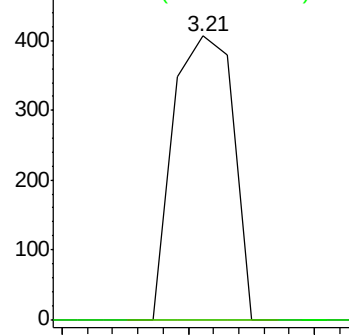
59 100

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



#16

Acetone

Concen: 86.867 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058278.D

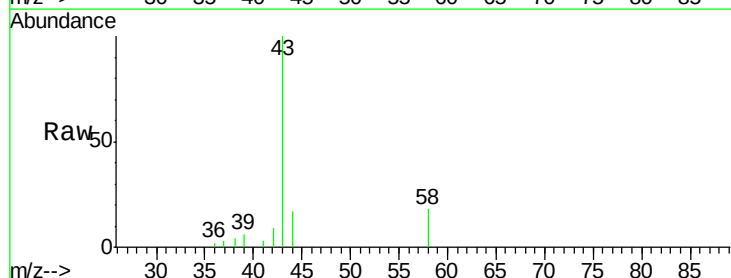
Acq: 22 Jun 2018 5:17

Tgt Ion: 43 Resp: 65068

Ion Ratio Lower Upper

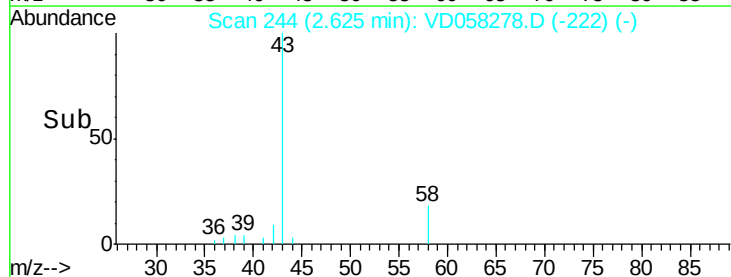
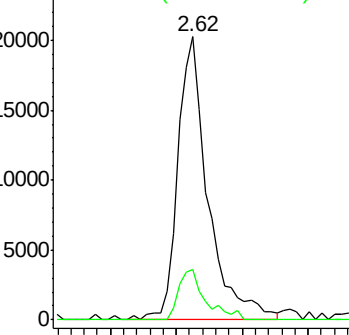
43 100

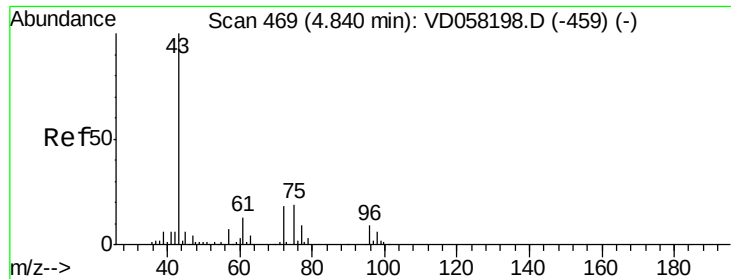
58 17.9 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 2.279 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

Instrument :

MSVOA_D

ClientSampleId :

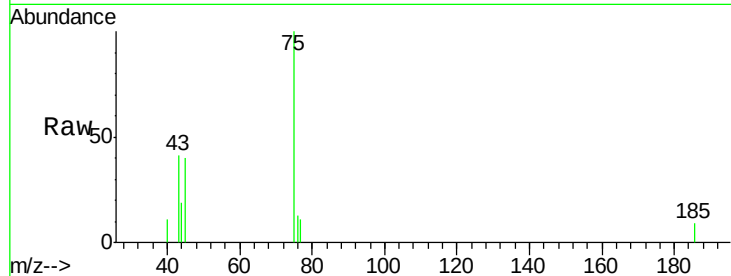
A-1

Tot Ion: 43 Resp: 3720

Ion Ratio Lower Upper

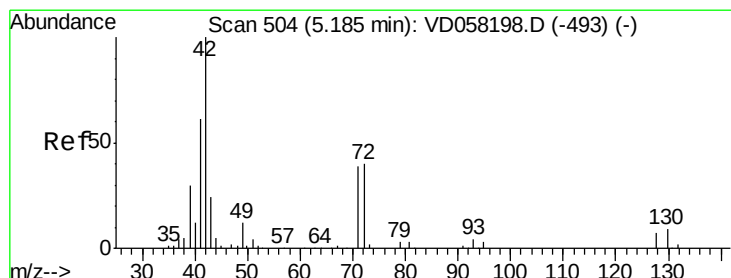
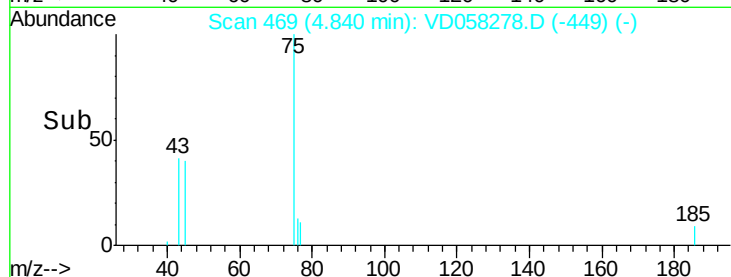
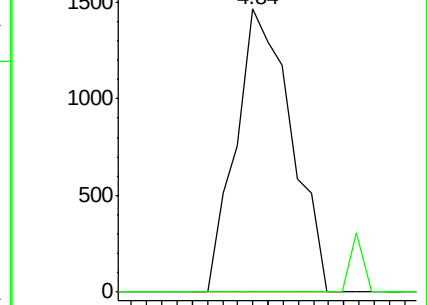
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.150 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

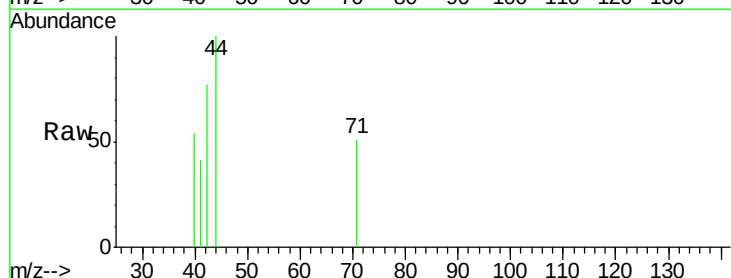
Tgt Ion: 42 Resp: 999

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

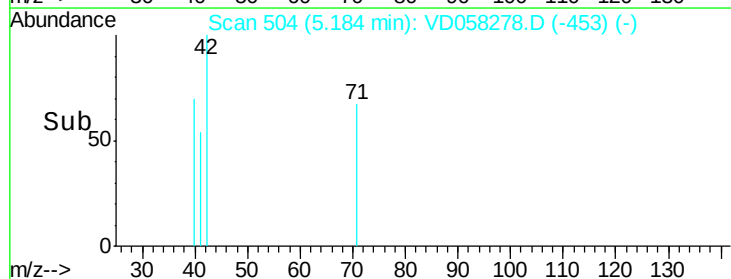
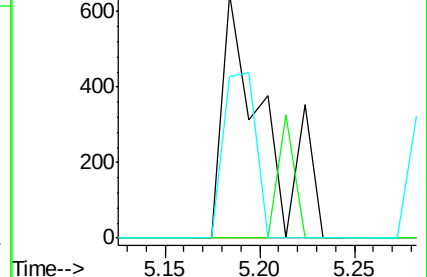
71 51.4 30.1 45.1#

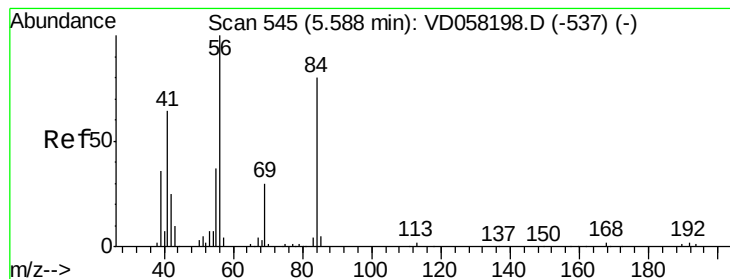


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.66 min Scan# 552

Delta R.T. 0.07 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

Instrument :

MSVOA_D

ClientSampled :

A-1

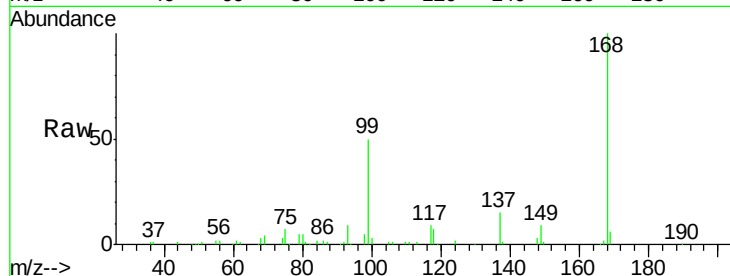
Tot Ion: 56 Resp: 12298

Ion Ratio Lower Upper

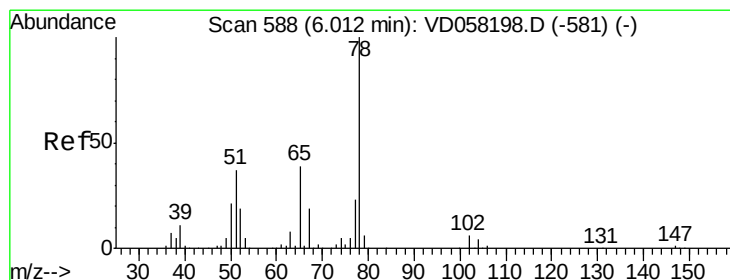
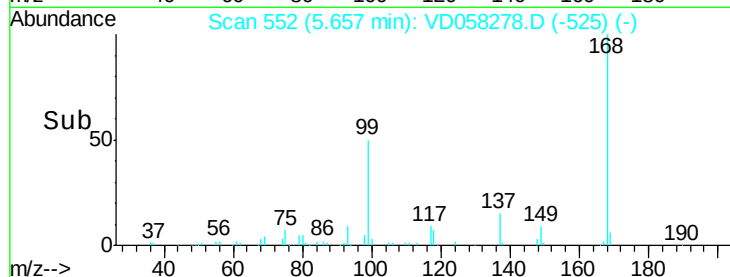
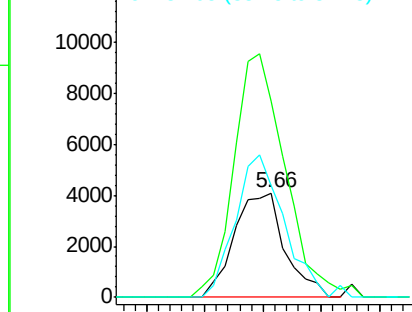
56 100

69 188.2 23.6 35.4#

84 106.7 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: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058278.D

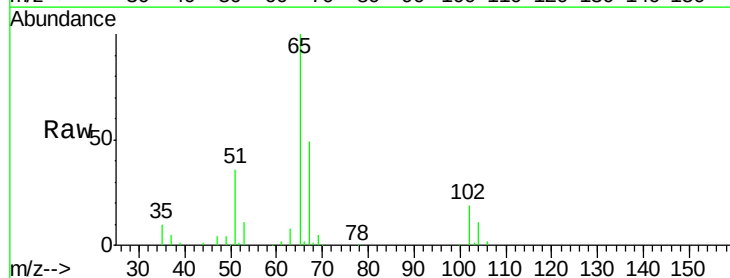
Acq: 22 Jun 2018 5:17

Tgt Ion: 65 Resp: 344231

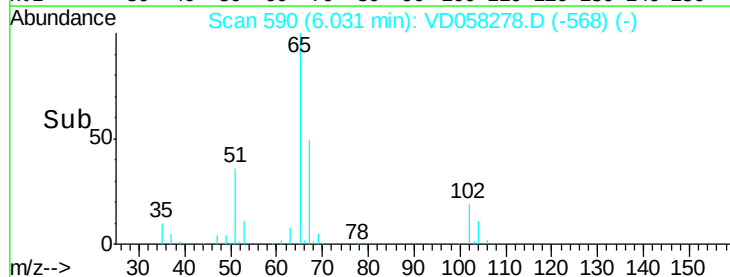
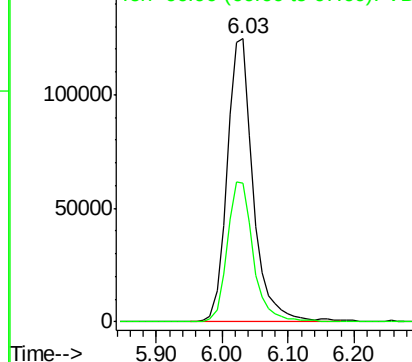
Ion Ratio Lower Upper

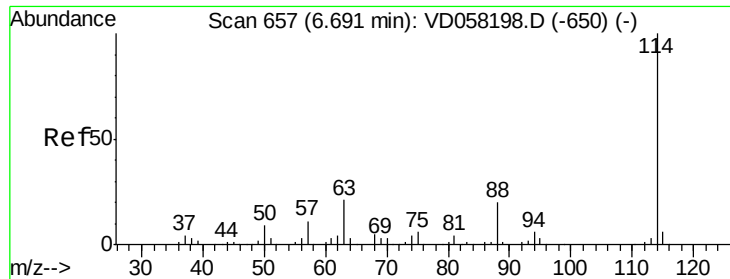
65 100

67 49.1 0.0 97.8



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

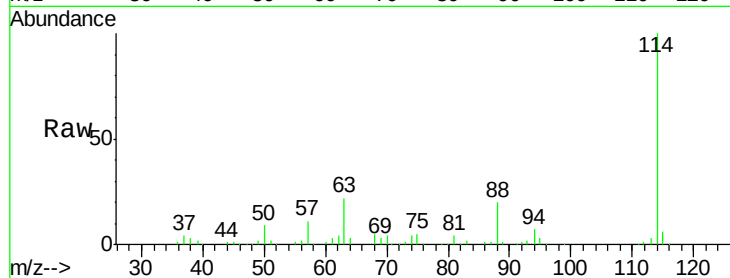




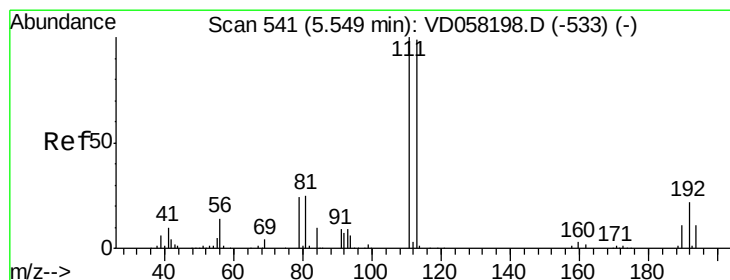
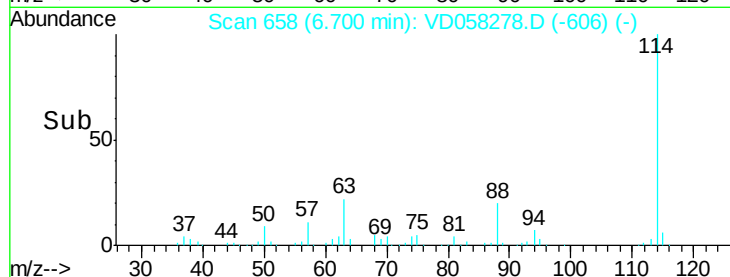
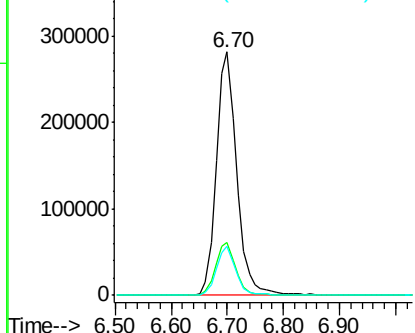
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058278.D
 Acq: 22 Jun 2018 5:17

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:114 Resp: 716827
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.6
 88 20.1 0.0 40.6

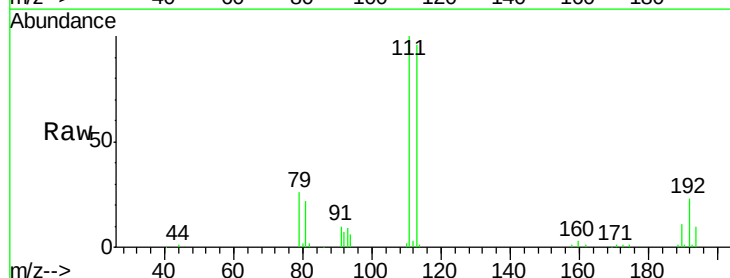


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

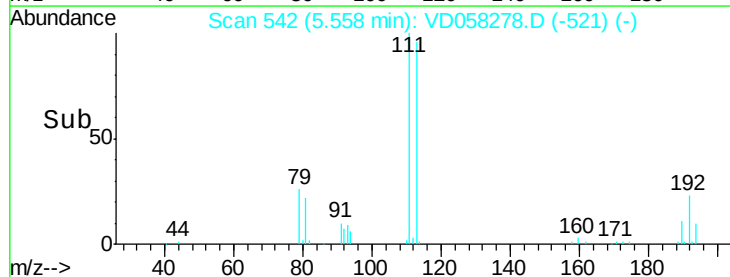
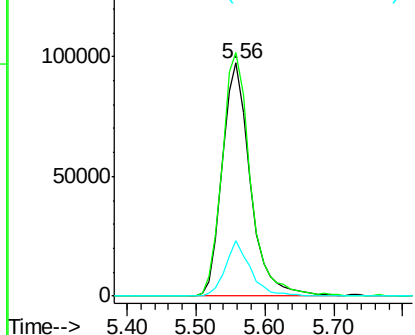


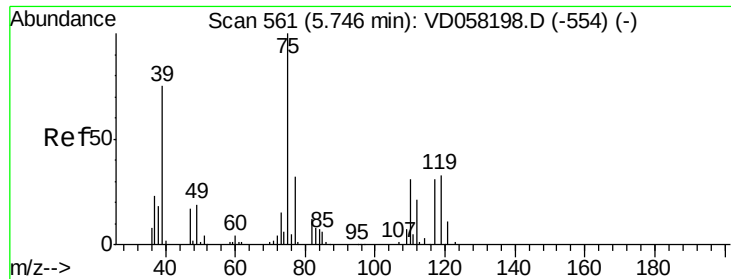
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058278.D
 Acq: 22 Jun 2018 5:17

Tgt Ion:113 Resp: 275662
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.6 121.0
 192 23.9 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

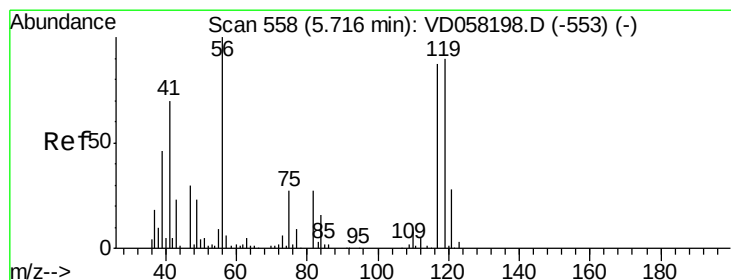
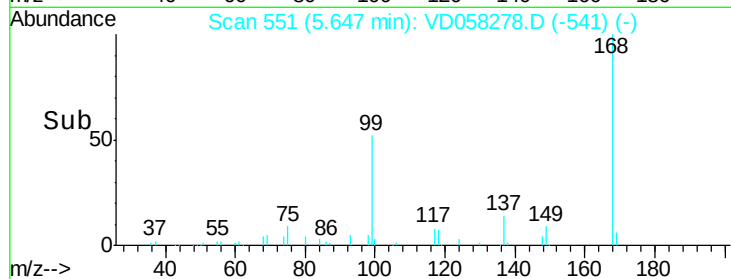
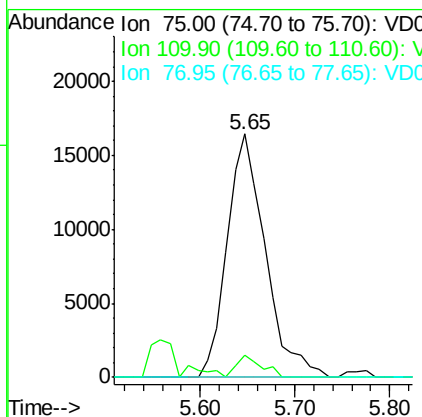
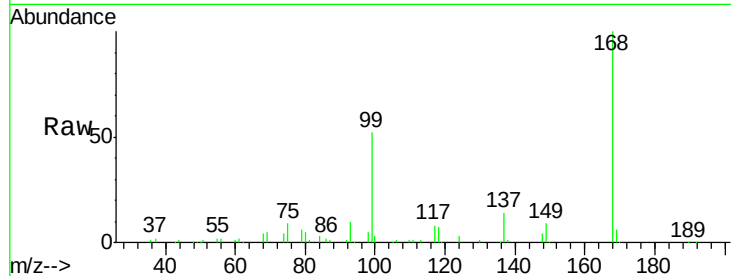




#36
 1,1-Dichloropropene
 Concen: 6.480 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058278.D
 Acq: 22 Jun 2018 5:17

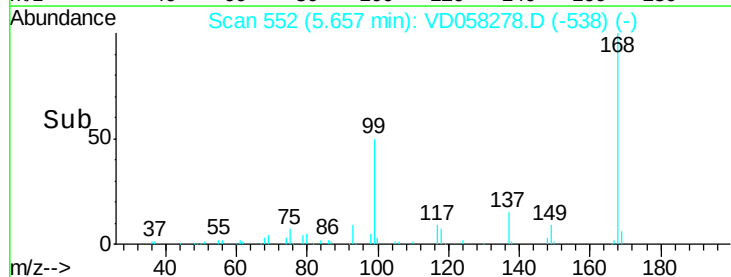
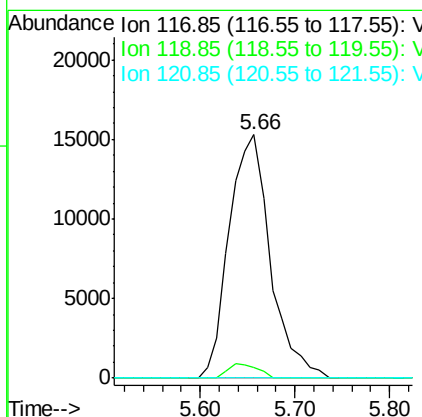
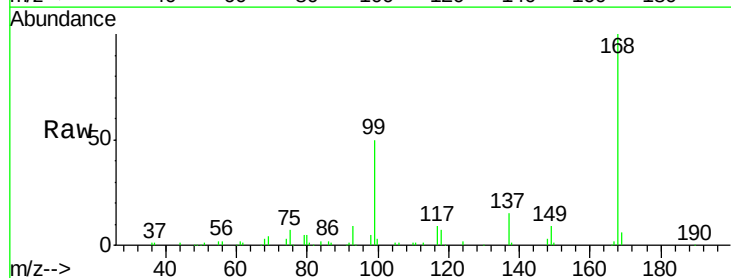
Instrument :
 MSVOA_D
 ClientSampled :
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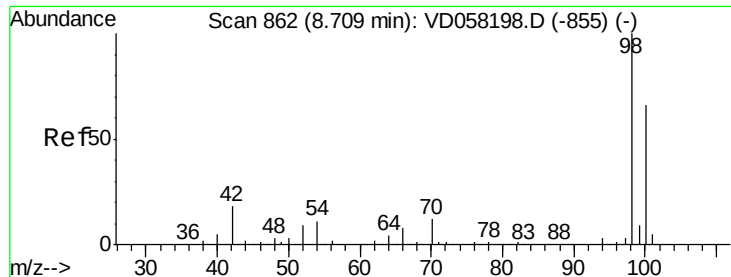
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.4	46.4#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 6.534 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. -0.06 min
 Lab File: VD058278.D
 Acq: 22 Jun 2018 5:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.8	118.2#
121	0.0	25.0	37.6#

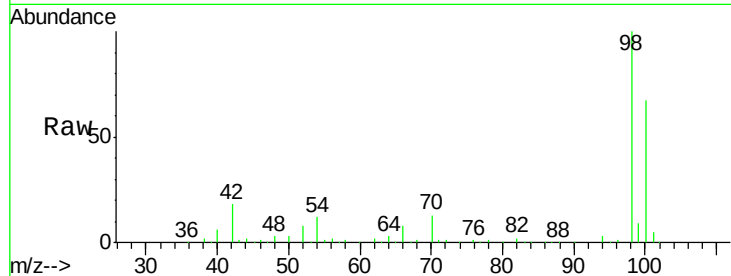




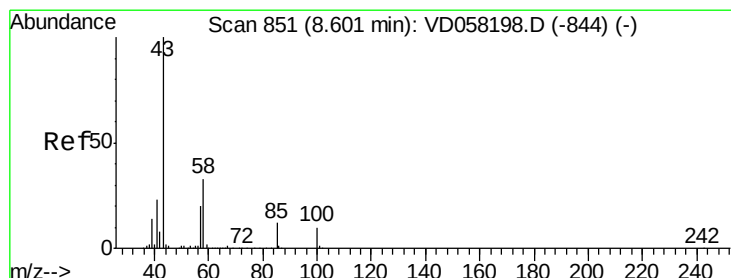
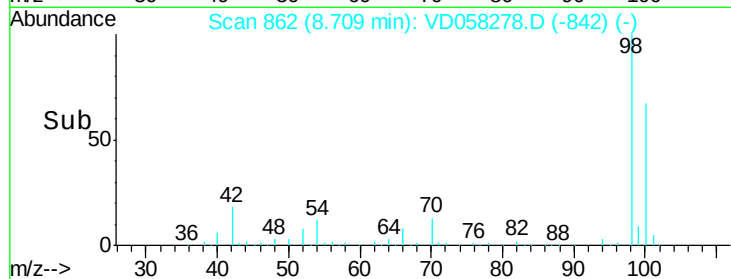
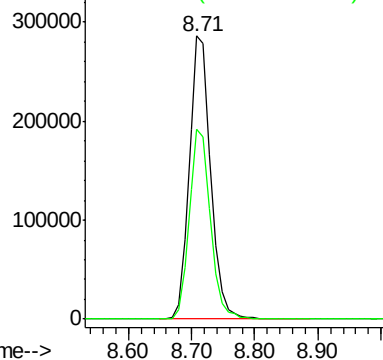
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058278.D
Acq: 22 Jun 2018 5:17

Instrument :
MSVOA_D
ClientSampleId :
A-1

Tot Ion: 98 Resp: 680061
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4

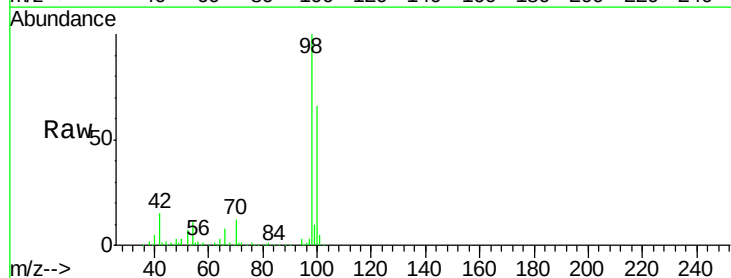


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

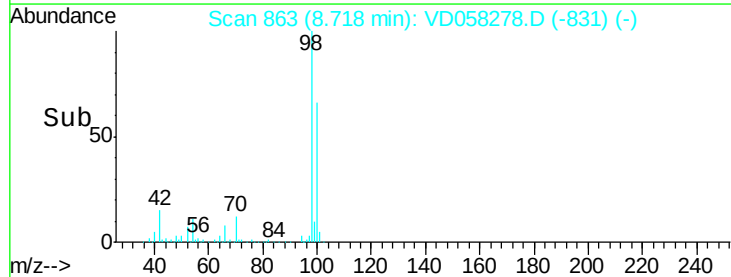
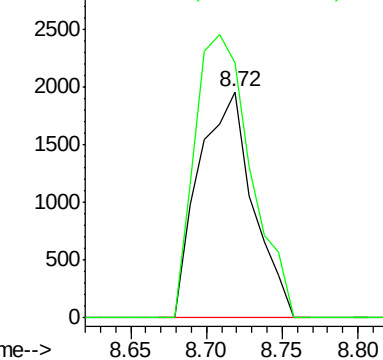


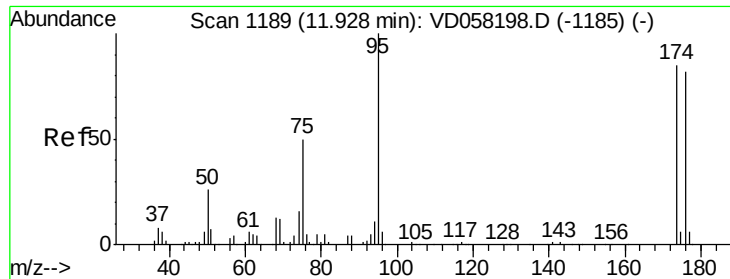
#51
4-Methyl-2-Pentanone
Concen: 1.383 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.12 min
Lab File: VD058278.D
Acq: 22 Jun 2018 5:17

Tgt Ion: 43 Resp: 4858
Ion Ratio Lower Upper
43 100
58 112.8 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0

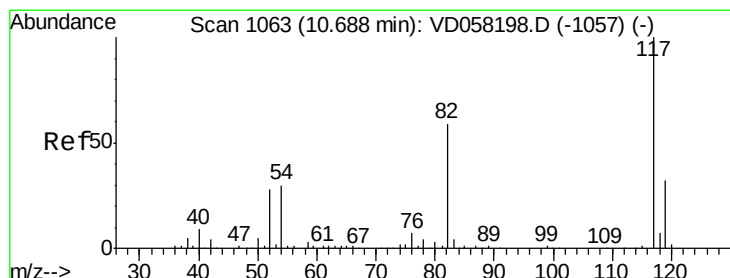
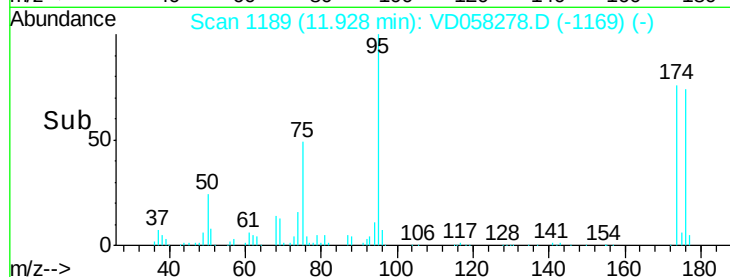
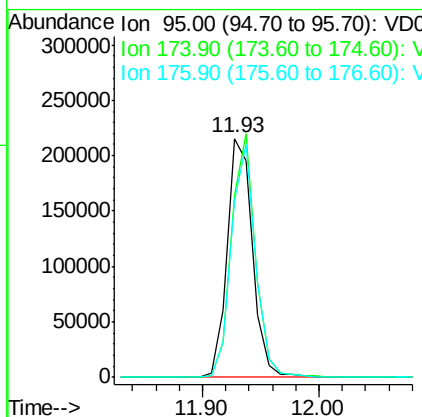
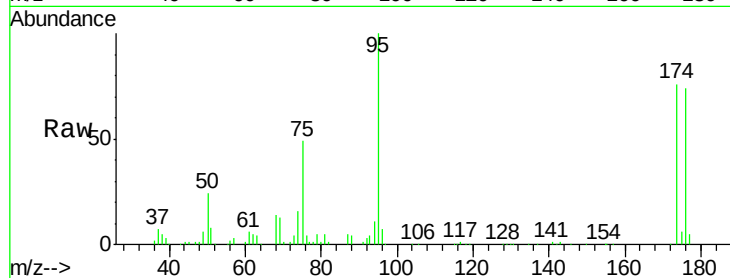




#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD058278.D
 Acq: 22 Jun 2018 5:17

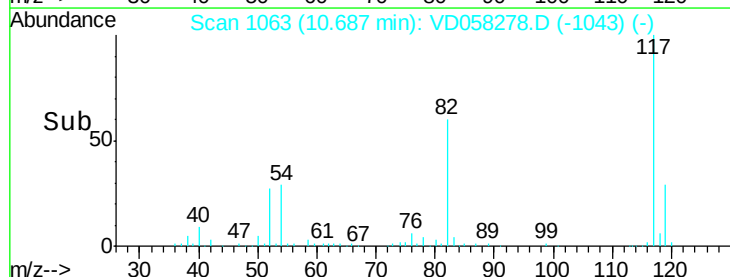
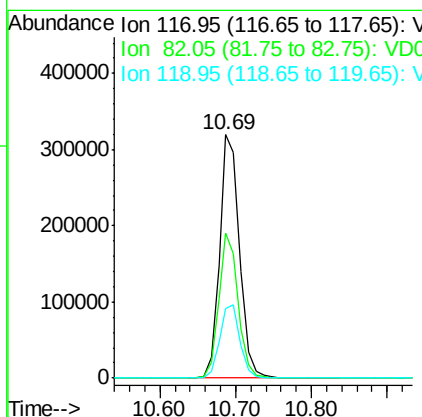
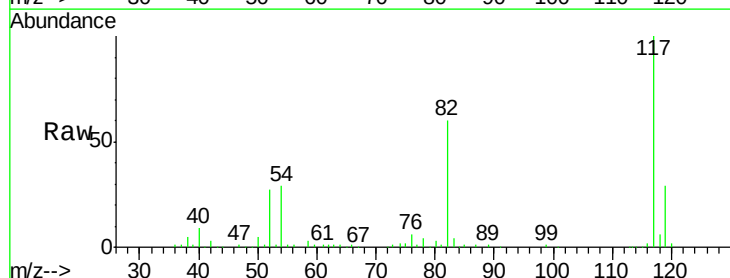
Instrument :
 MSVOA_D
 ClientSampled :
 A-1

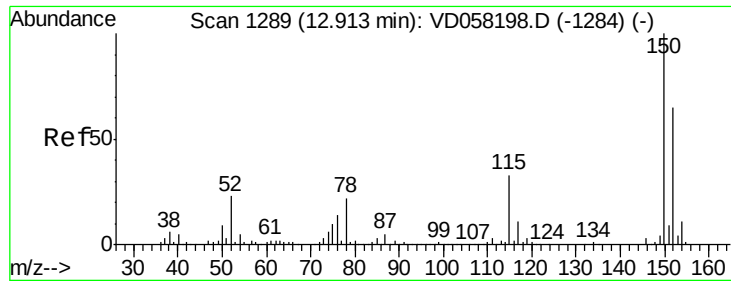
Tot Ion: 95 Resp: 325604
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 170.2
 176 74.3 0.0 164.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.69 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VD058278.D
 Acq: 22 Jun 2018 5:17

Tgt Ion: 117 Resp: 585016
 Ion Ratio Lower Upper
 117 100
 82 59.6 47.0 70.6
 119 28.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

Instrument :

MSVOA_D

ClientSampleId :

A-1

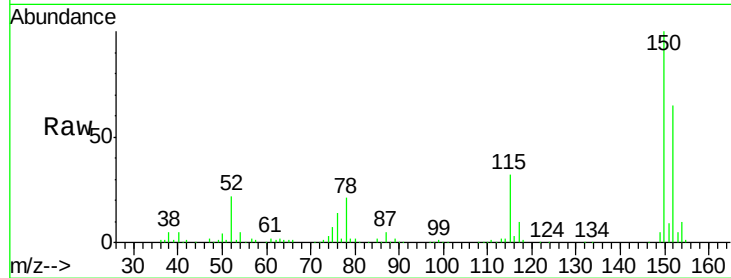
Tot Ion:152 Resp: 323712

Ion Ratio Lower Upper

152 100

115 49.3 25.1 75.3

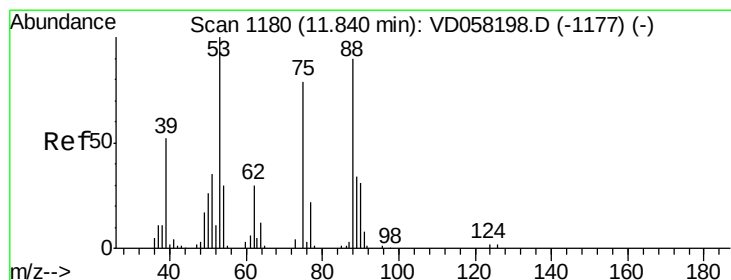
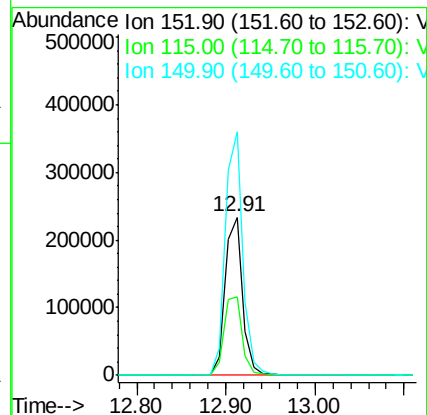
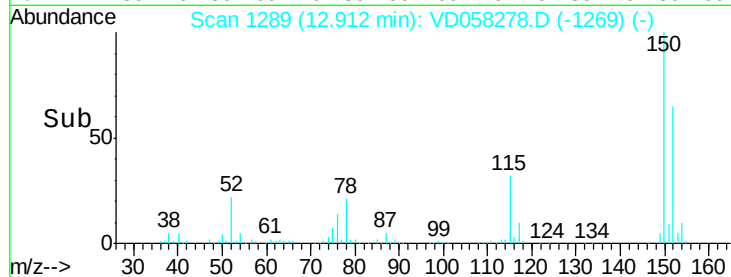
150 154.0 0.0 308.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 140.214 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058278.D

Acq: 22 Jun 2018 5:17

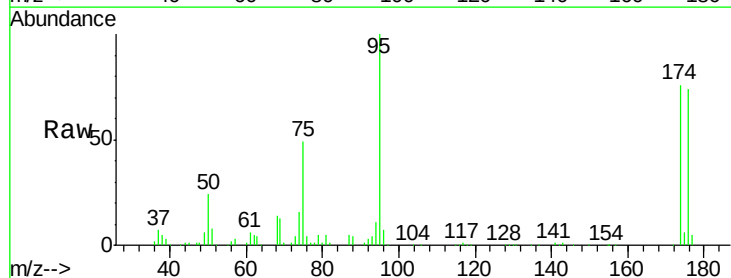
Tgt Ion: 75 Resp: 161626

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

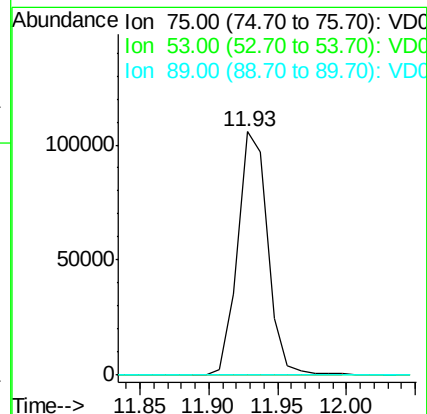
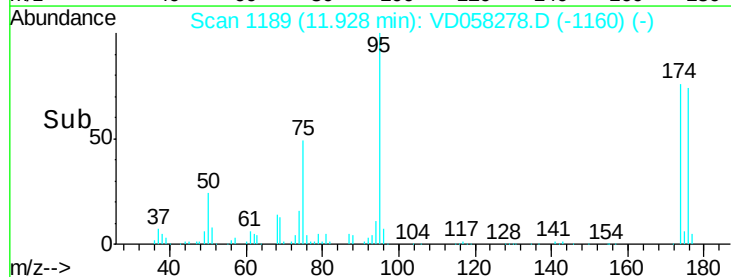
89 0.0 34.6 52.0#

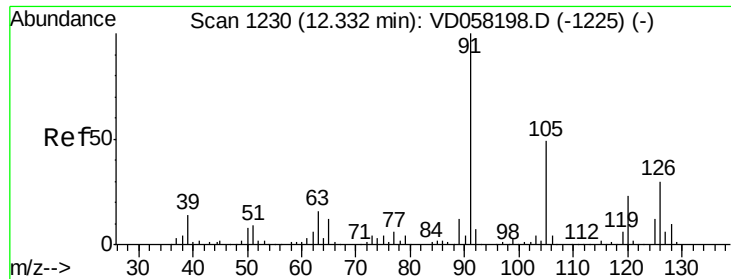


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

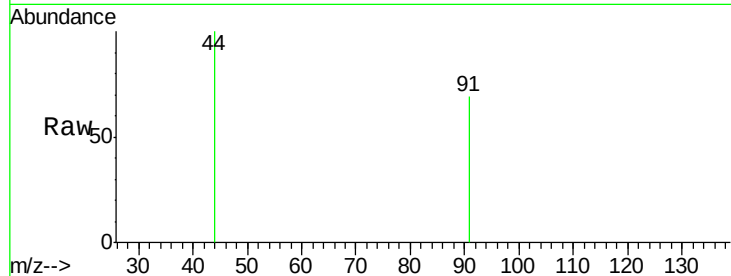




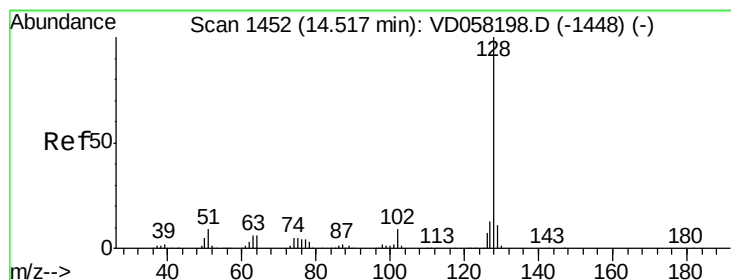
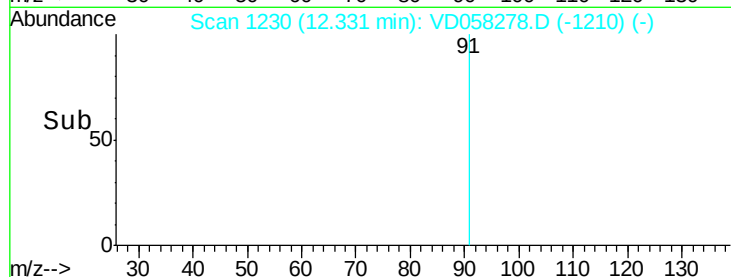
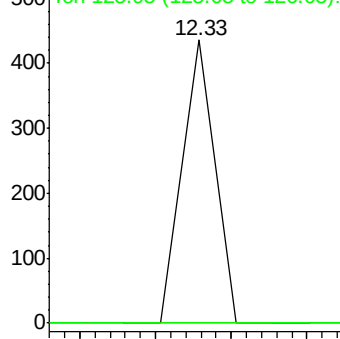
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD058278.D
Acq: 22 Jun 2018 5:17

Instrument :
MSVOA_D
ClientSampleId :
A-1

Tot Ion: 91 Resp: 258
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.9#

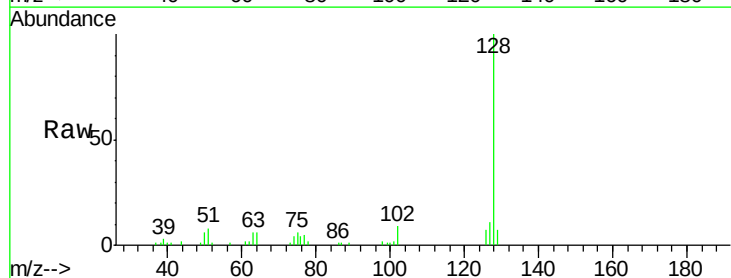


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V



#95
Naphthalene
Concen: 5.317 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058278.D
Acq: 22 Jun 2018 5:17

Tgt Ion: 128 Resp: 57452
Ion Ratio Lower Upper
128 100
127 10.7 10.0 15.0
129 7.5 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

