

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058055.D
 Acq On : 9 Jun 2018 10:36
 Operator : VA/AP
 Sample : J3360-02RE
 Misc : 7.78g/5ml/MSVOA D/SOIL
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:07:47 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	663328	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	901642	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	761046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	395159	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	380759	57.42	ug/l	-0.01
Spiked Amount			Recovery	=	114.84%	
35) Dibromofluoromethane	5.61	113	327	0.05	ug/l	0.05
Spiked Amount			Recovery	=	0.10%	
50) Toluene-d8	8.69	98	901225	54.34	ug/l	-0.01
Spiked Amount			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	11.92	95	400337	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	

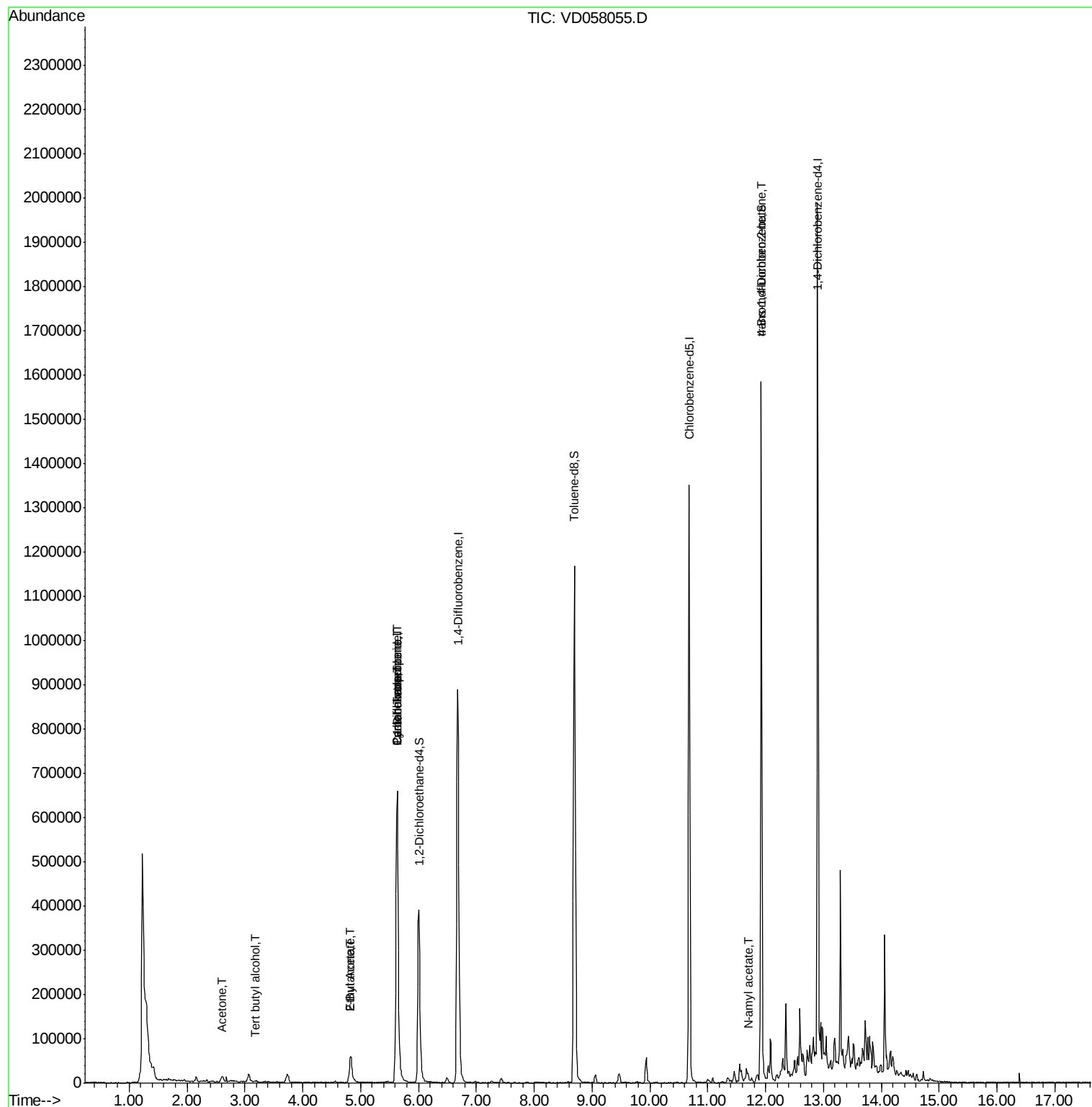
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.18	59	1929	10.858	ug/l #	74
16) Acetone	2.61	43	30688	32.119	ug/l #	90
20) Methylene Chloride	3.06	84	8635	Below Cal	#	84
25) 2-Butanone	4.83	43	16550	7.622	ug/l	97
31) Cyclohexane	5.63	56	15702	1.362	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	59611	6.001	ug/l #	49
37) Ethyl Acetate	4.83	43	16550	3.053	ug/l #	71
38) Carbon Tetrachloride	5.63	117	57179	5.841	ug/l #	15
74) N-amyl acetate	11.70	43	10752	1.065	ug/l #	61
81) trans-1,4-Dichloro-2-buten	11.92	75	191736	130.413	ug/l #	6
82) 4-Chlorotoluene	12.31	91	1293	Below Cal	#	50
89) n-Butylbenzene	13.18	91	4394	Below Cal		75

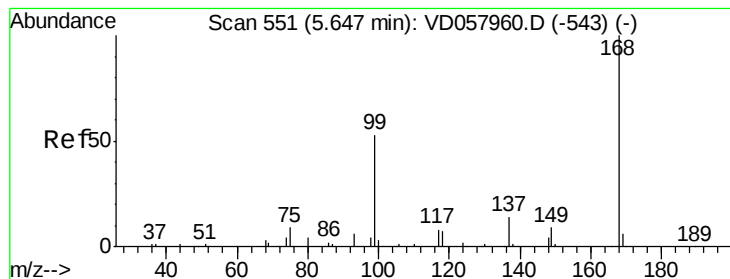
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
Data File : VD058055.D
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD058055.D

Acq: 9 Jun 2018 10:36

Instrument :

MSVOA_D

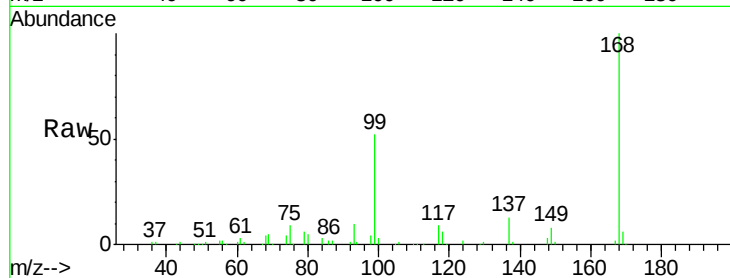
ClientSampleId :

Tot Ion:168 Resp: 663328

Ion Ratio Lower Upper

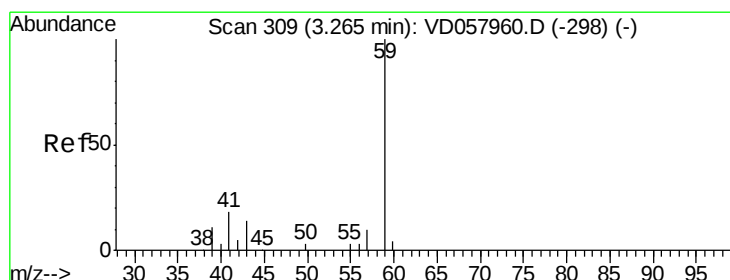
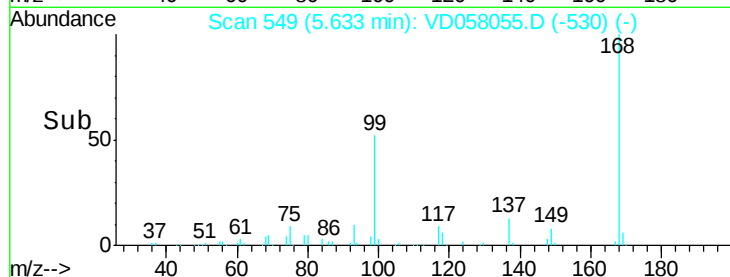
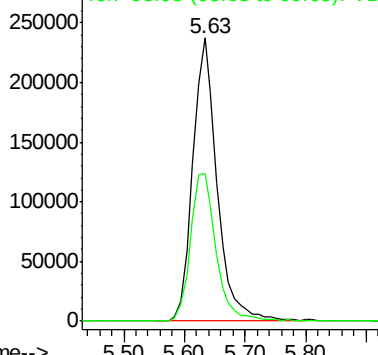
168 100

99 52.0 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: 10.858 ug/l

RT: 3.18 min Scan# 300

Delta R.T. -0.08 min

Lab File: VD058055.D

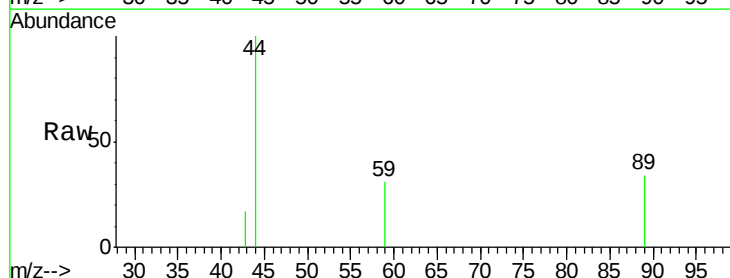
Acq: 9 Jun 2018 10:36

Tgt Ion: 59 Resp: 1929

Ion Ratio Lower Upper

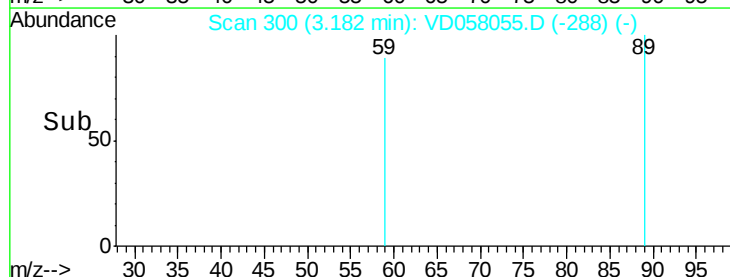
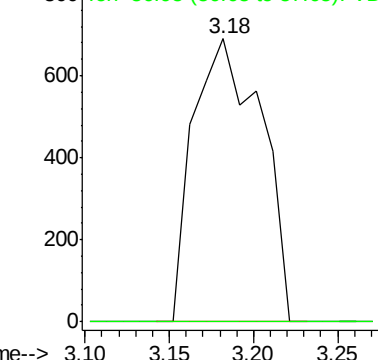
59 100

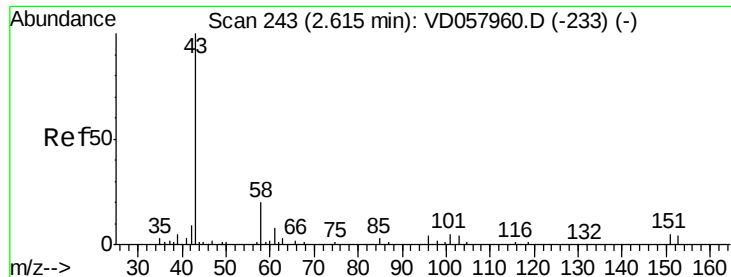
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

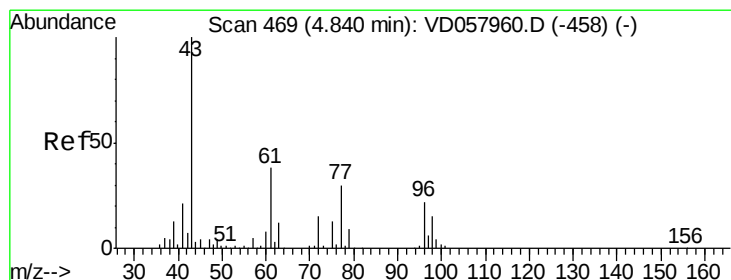
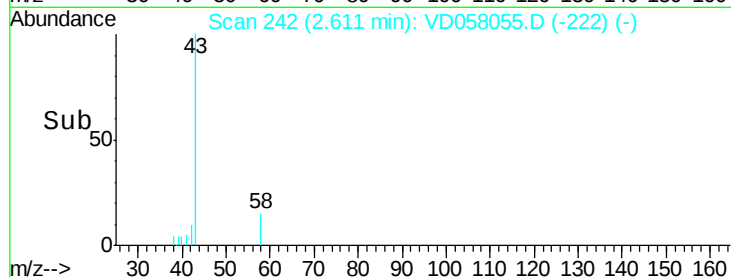
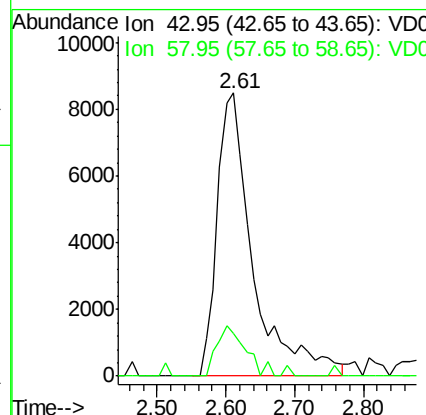
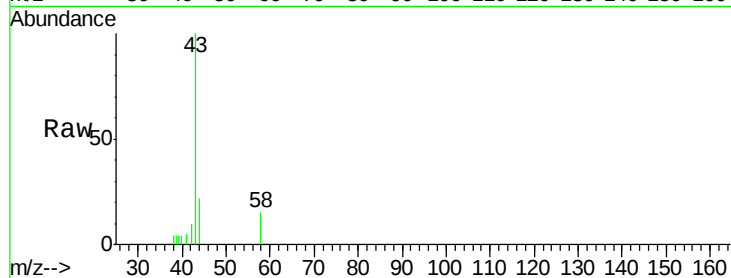




#16
Acetone
Concen: 32.119 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

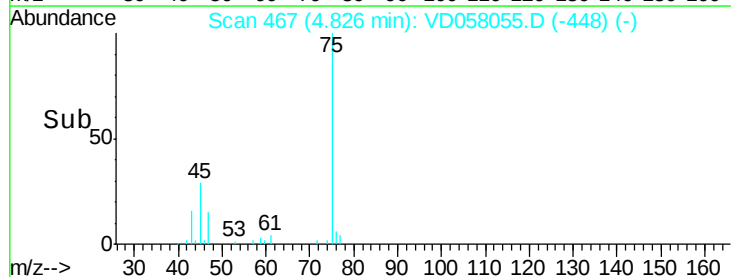
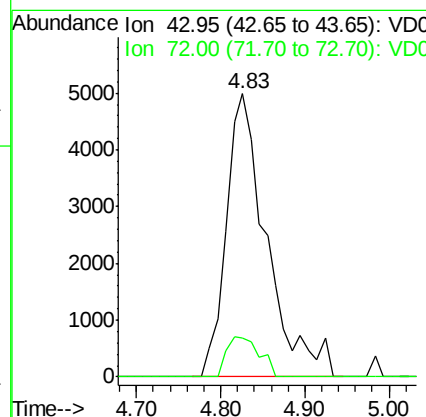
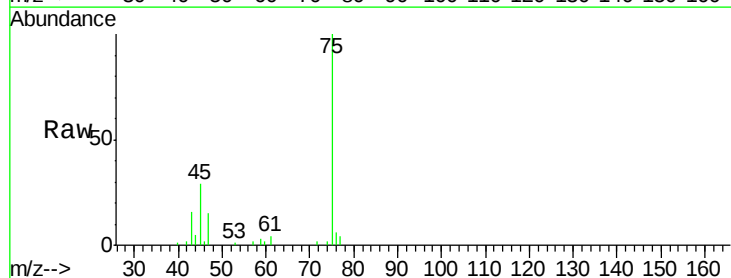
Instrument :
MSVOA_D
ClientSampleId :

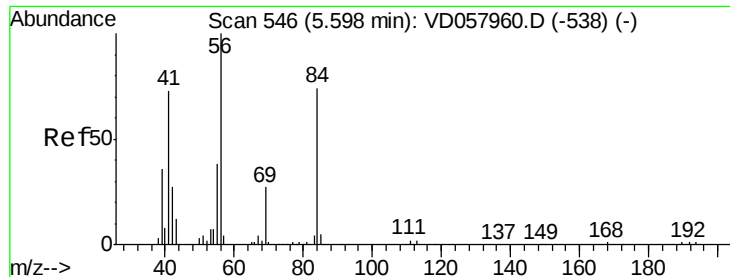
Tot Ion: 43 Resp: 30688
Ion Ratio Lower Upper
43 100
58 15.2 15.8 23.8#



#25
2-Butanone
Concen: 7.622 ug/l
RT: 4.83 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Tgt Ion: 43 Resp: 16550
Ion Ratio Lower Upper
43 100
72 13.9 12.0 18.0

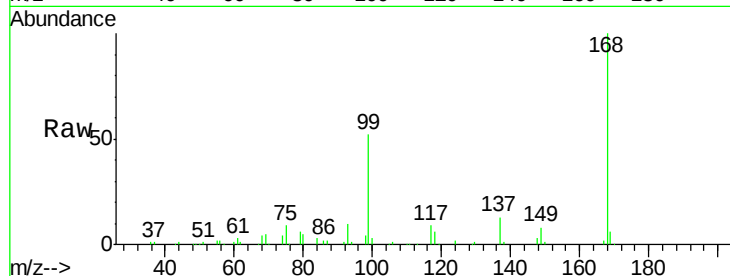




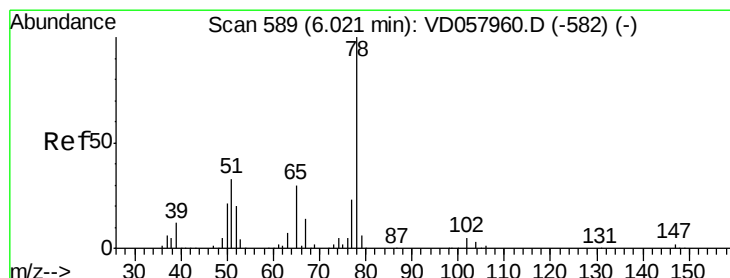
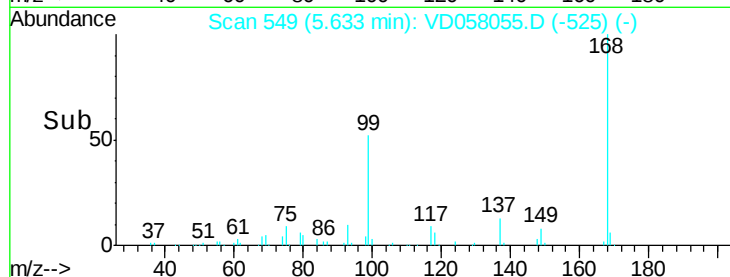
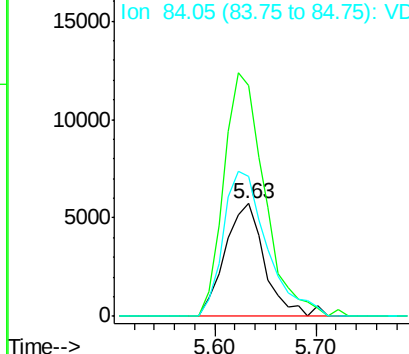
#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 15702
Ion Ratio Lower Upper
56 100
69 204.0 21.5 32.3#
84 124.3 61.0 91.6#

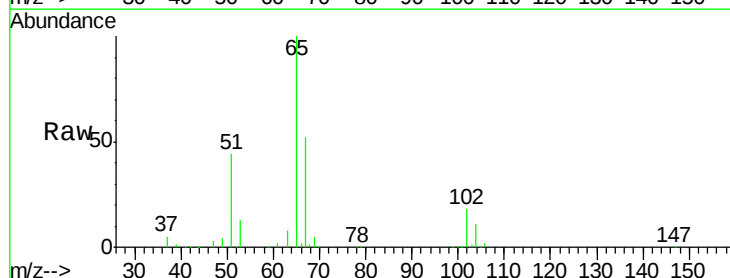


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

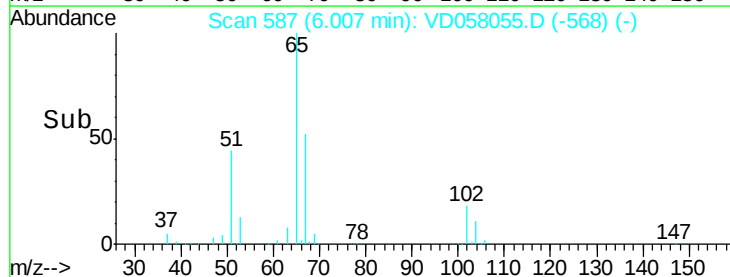
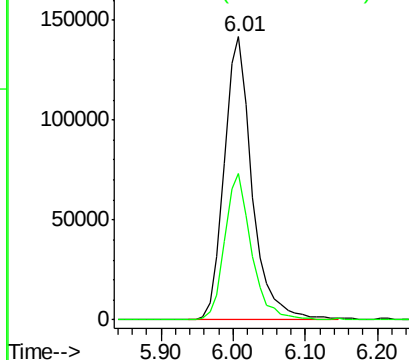


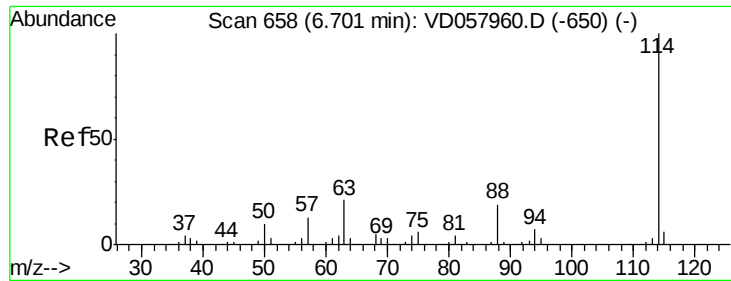
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.01 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Tgt Ion: 65 Resp: 380759
Ion Ratio Lower Upper
65 100
67 51.6 0.0 94.0



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

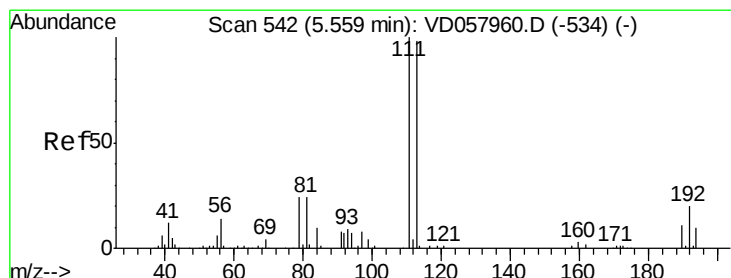
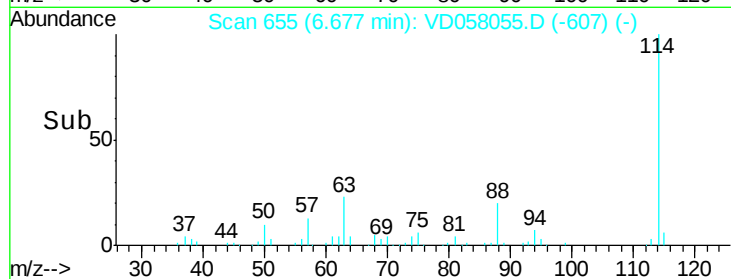
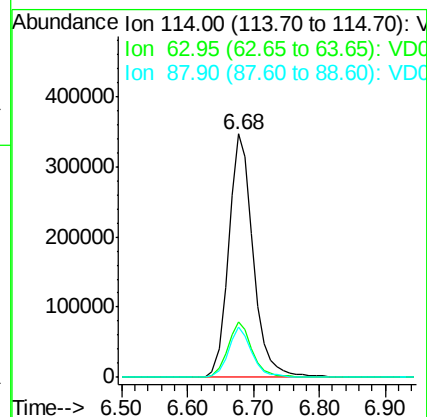
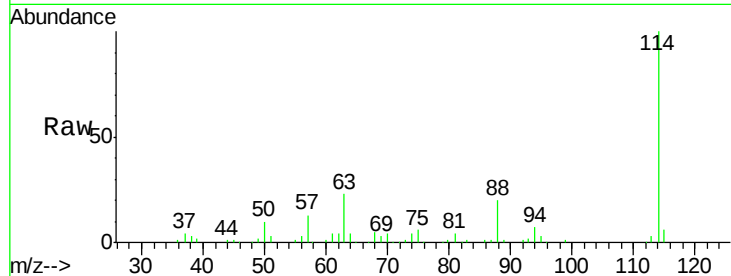




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD058055.D
 Acq: 9 Jun 2018 10:36

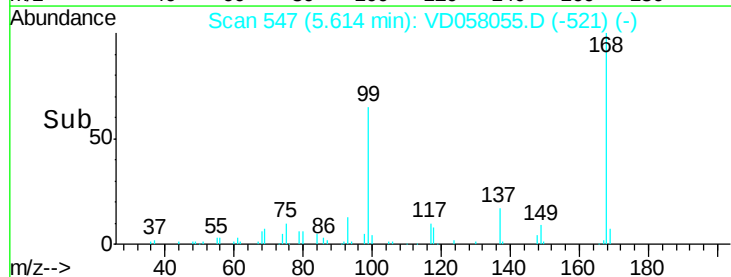
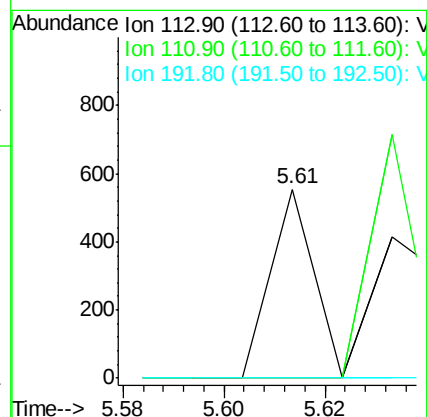
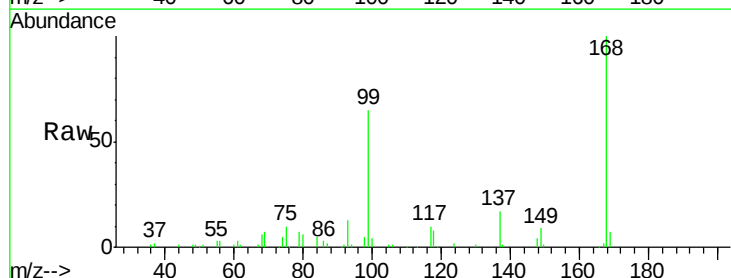
Instrument :
 MSVOA_D
 ClientSampleId :

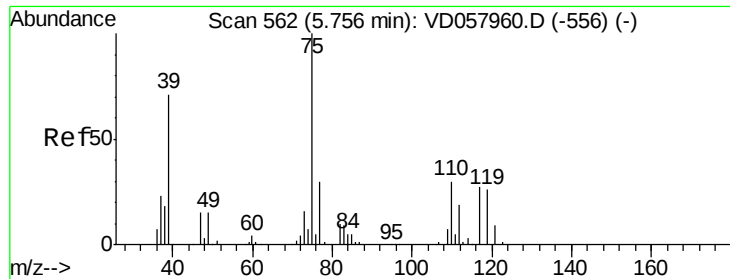
Tot Ion:114 Resp: 901642
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 42.8
 88 20.4 0.0 37.8



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 547
 Delta R.T. 0.05 min
 Lab File: VD058055.D
 Acq: 9 Jun 2018 10:36

Tgt Ion:113 Resp: 327
 Ion Ratio Lower Upper
 113 100
 111 0.0 81.5 122.3#
 192 0.0 16.4 24.6#





#36

1,1-Dichloropropene

Concen: 6.001 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058055.D

Acq: 9 Jun 2018 10:36

Instrument :

MSVOA_D

ClientSampleId :

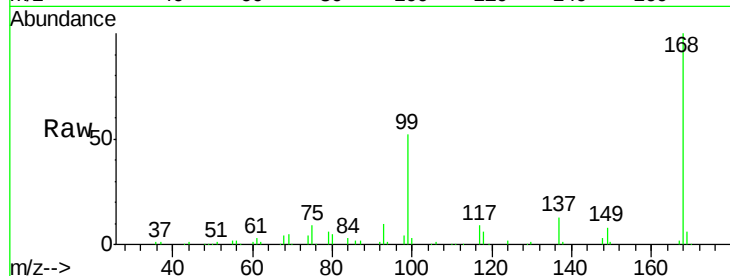
Tot Ion: 75 Resp: 59611

Ion Ratio Lower Upper

75 100

110 4.0 14.8 44.3#

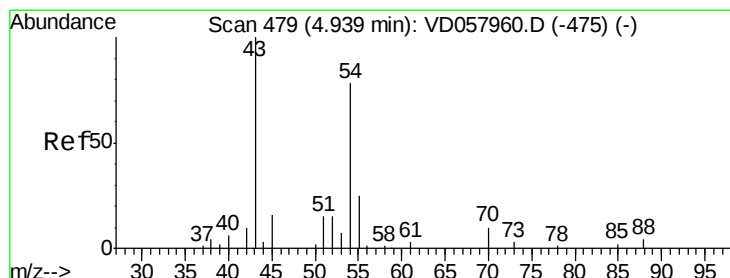
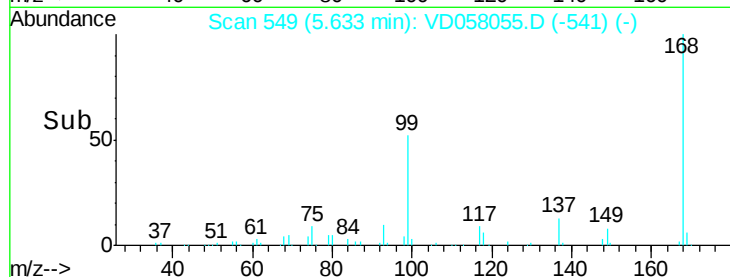
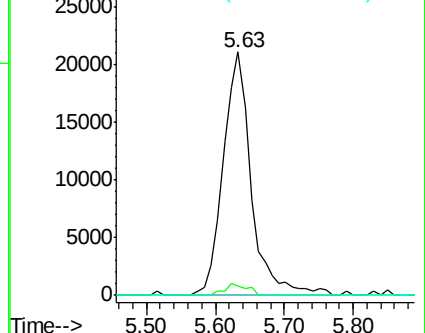
77 0.0 23.9 35.9#



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



#37

Ethyl Acetate

Concen: 3.053 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.11 min

Lab File: VD058055.D

Acq: 9 Jun 2018 10:36

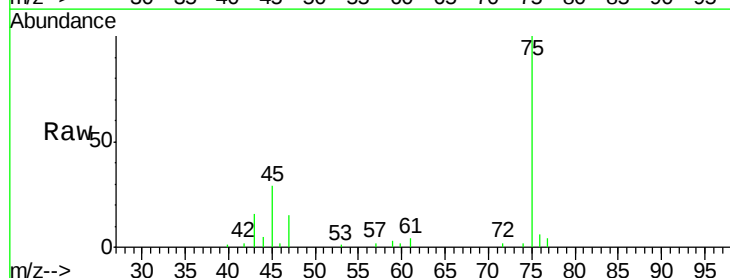
Tgt Ion: 43 Resp: 16550

Ion Ratio Lower Upper

43 100

61 25.9 9.9 14.9#

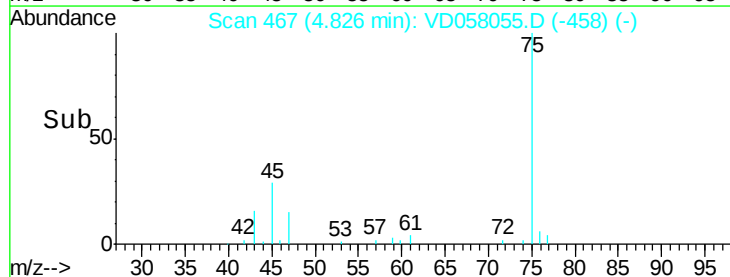
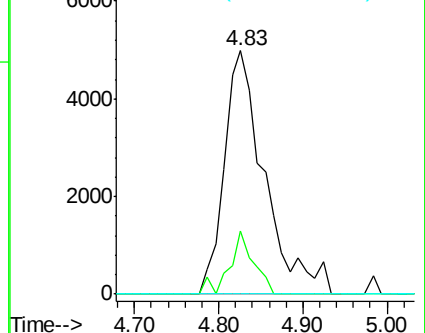
70 0.0 5.7 8.5#

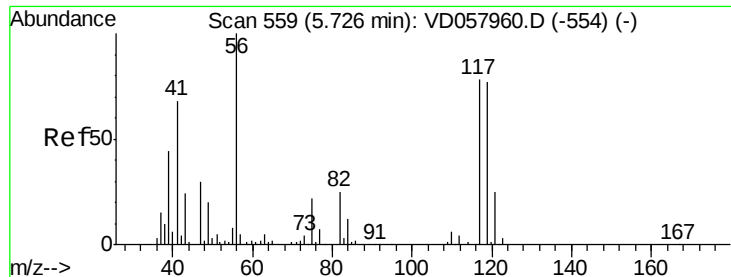


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

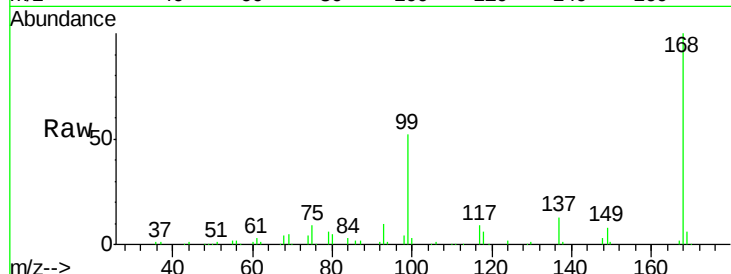




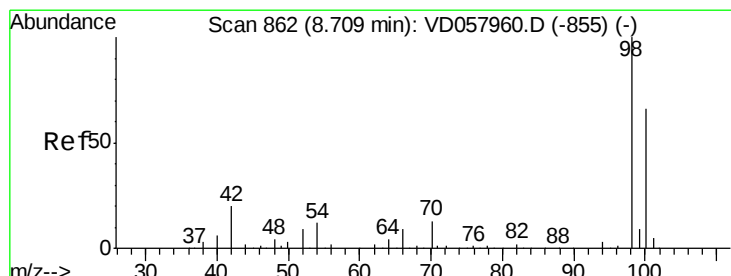
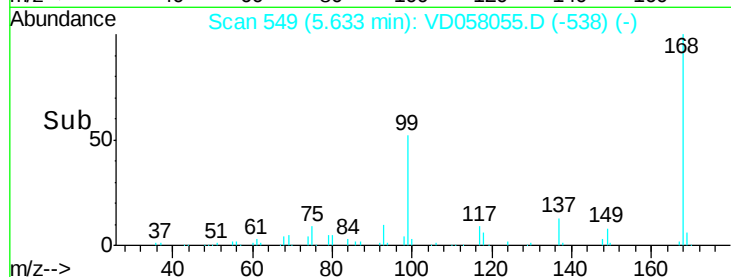
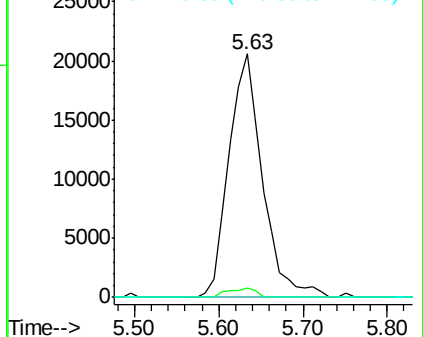
#38
Carbon Tetrachloride
Concen: 5.841 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.09 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 57179
Ion Ratio Lower Upper
117 100
119 3.7 76.1 114.1#
121 0.0 24.9 37.3#

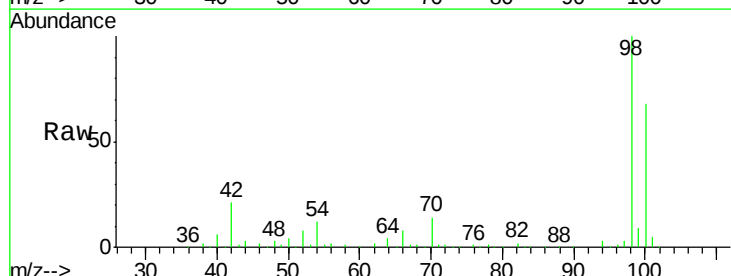


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

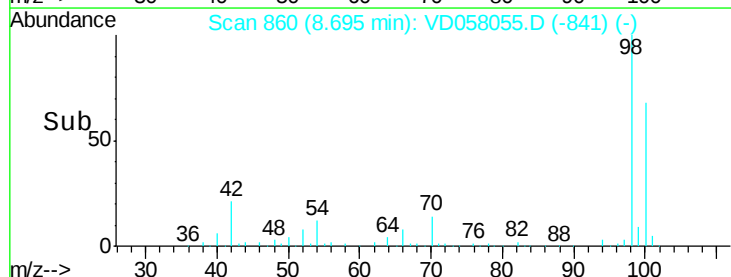
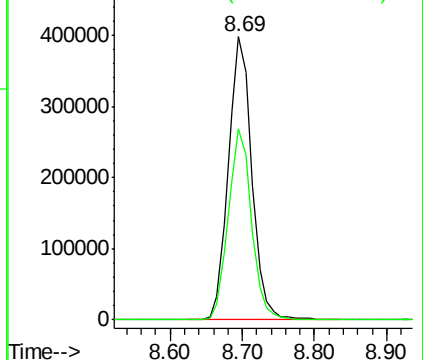


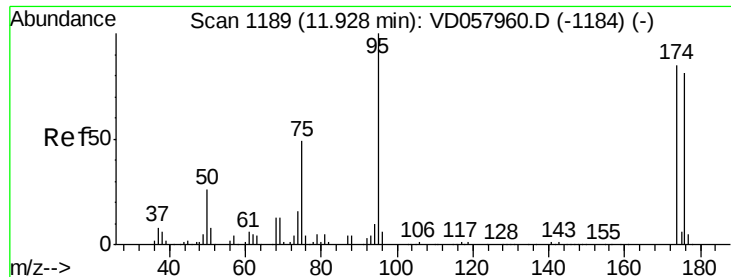
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.01 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Tgt Ion: 98 Resp: 901225
Ion Ratio Lower Upper
98 100
100 67.5 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: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058055.D

Acq: 9 Jun 2018 10:36

Instrument :

MSVOA_D

ClientSampleId :

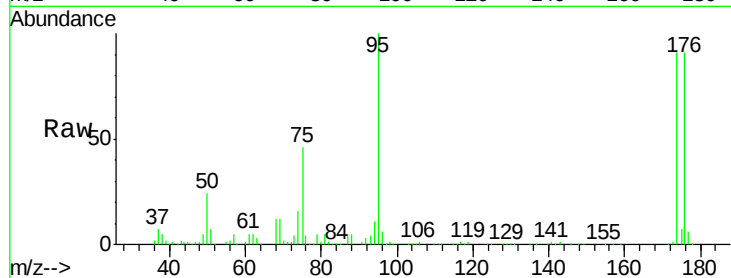
Tot Ion: 95 Resp: 400337

Ion Ratio Lower Upper

95 100

174 90.5 0.0 169.4

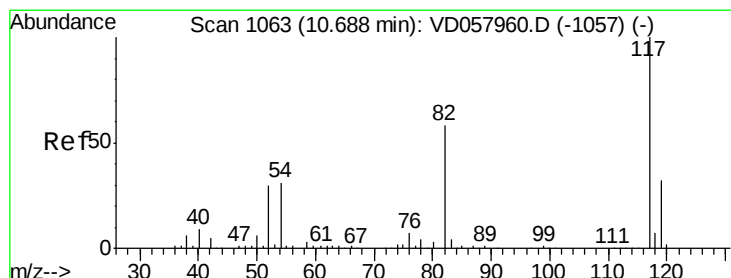
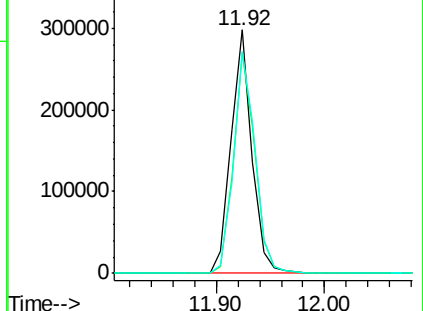
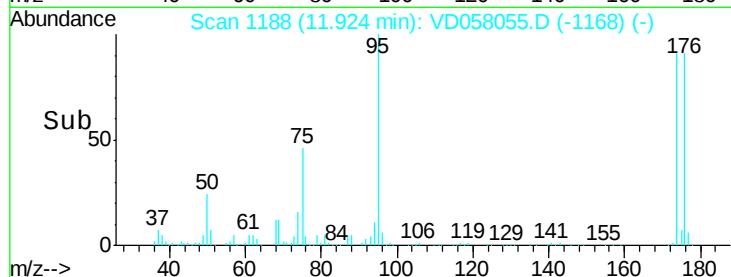
176 91.0 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058055.D

Acq: 9 Jun 2018 10:36

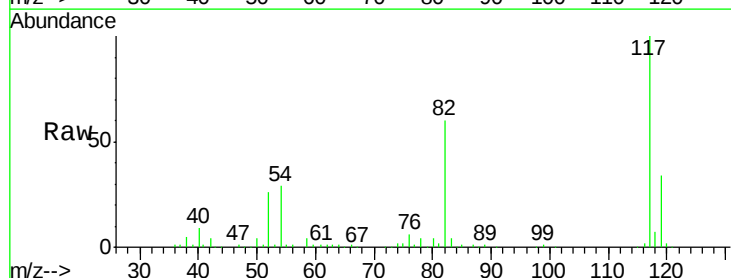
Tgt Ion: 117 Resp: 761046

Ion Ratio Lower Upper

117 100

82 60.0 46.8 70.2

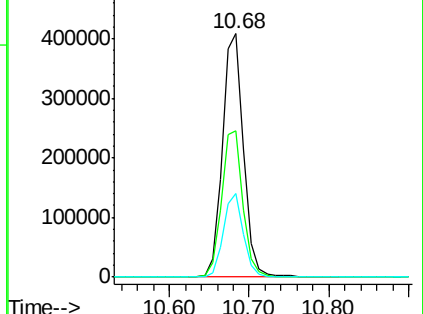
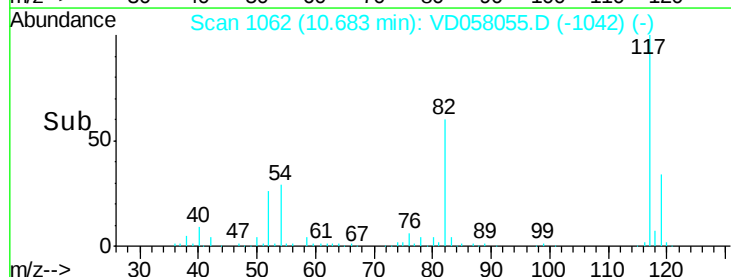
119 34.2 25.8 38.6

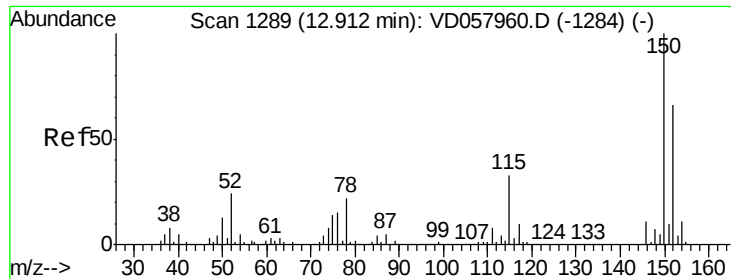


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



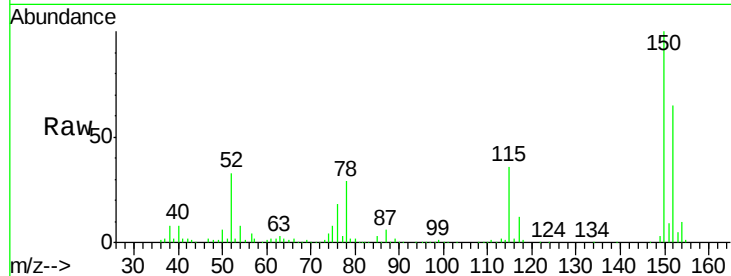


#72

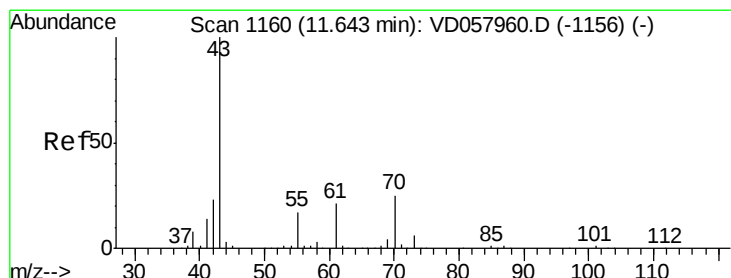
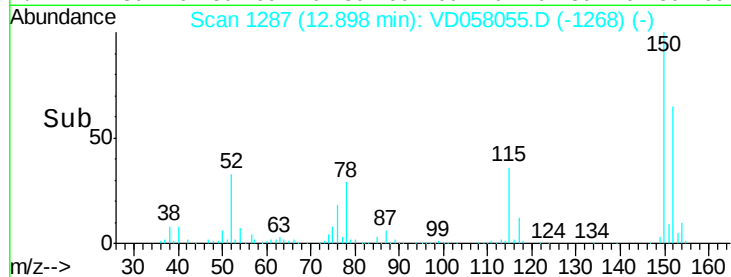
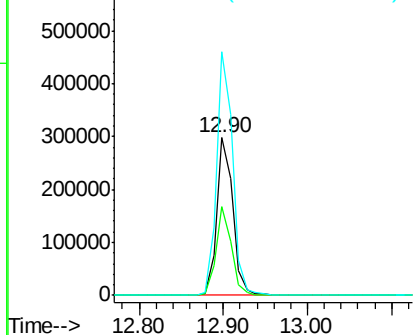
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	25.6	76.6
150	154.4	0.0	306.8



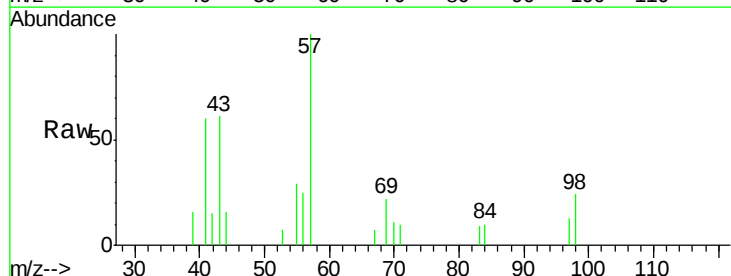
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



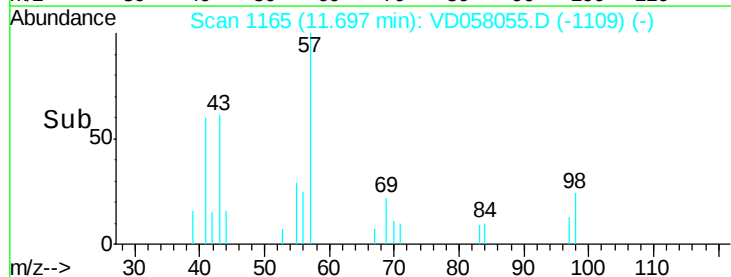
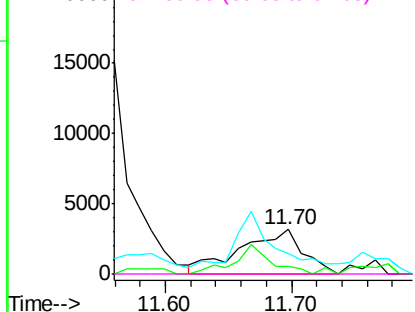
#74

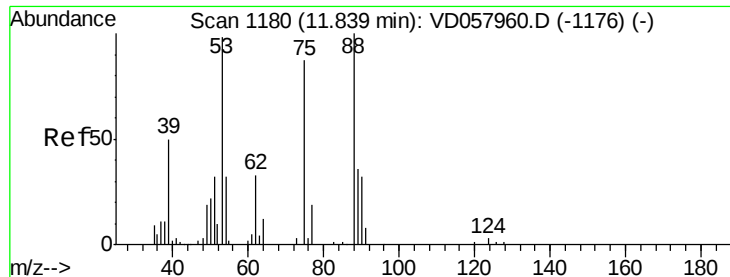
N-ethyl acetate
Concen: 1.065 ug/l
RT: 11.70 min Scan# 1165
Delta R.T. 0.05 min
Lab File: VD058055.D
Acq: 9 Jun 2018 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	17.9	20.3	30.5#
55	46.8	13.9	20.9#
61	0.0	16.6	24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 130.413 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058055.D

Acq: 9 Jun 2018 10:36

Instrument :

MSVOA_D

ClientSampleId :

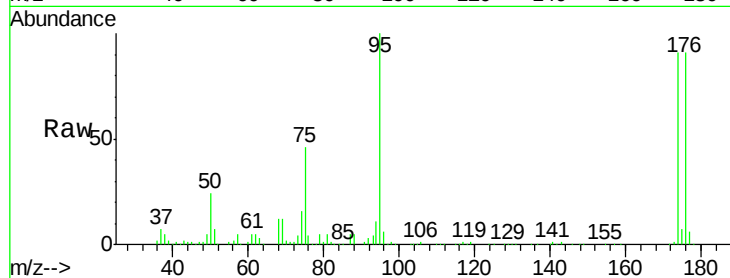
Tot Ion: 75 Resp: 191736

Ion Ratio Lower Upper

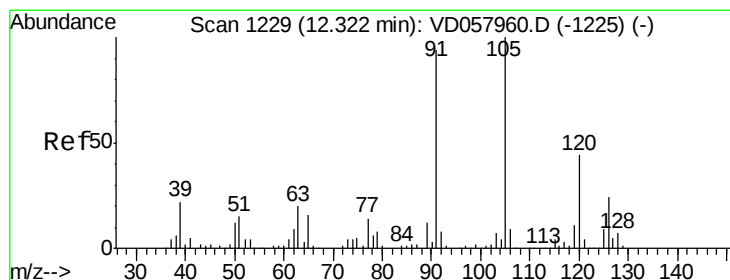
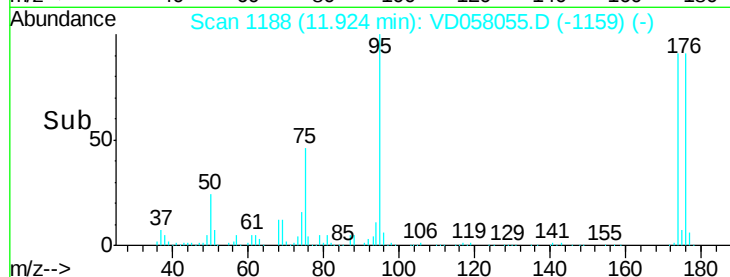
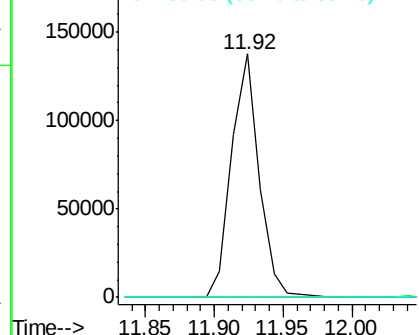
75 100

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: 12.31 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VD058055.D

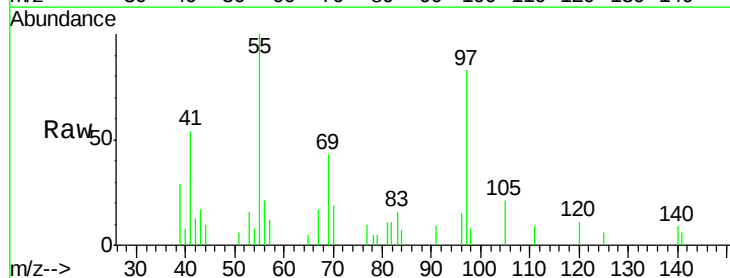
Acq: 9 Jun 2018 10:36

Tgt Ion: 91 Resp: 1293

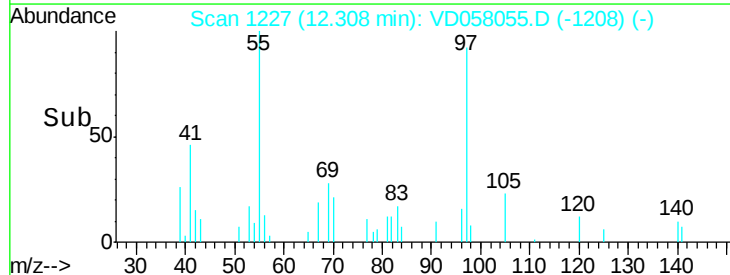
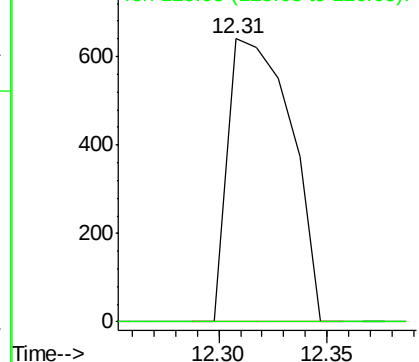
Ion Ratio Lower Upper

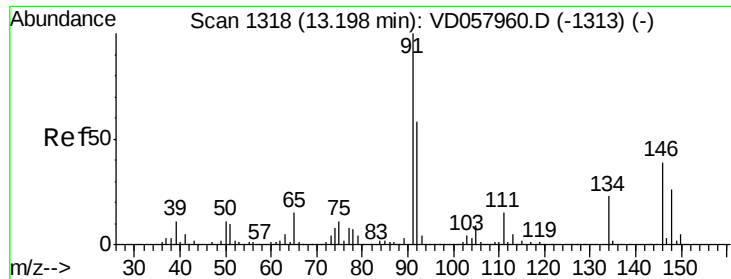
91 100

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

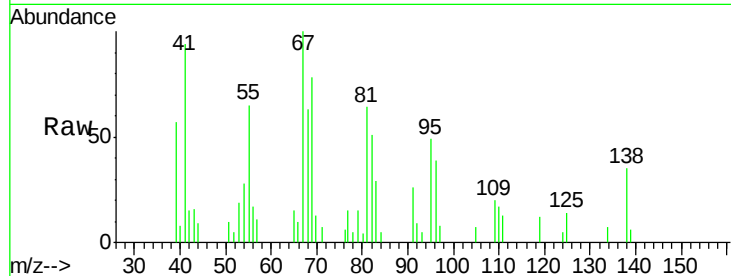




#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD058055.D
 Acq: 9 Jun 2018 10:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 4394
 Ion Ratio Lower Upper
 91 100
 92 36.1 29.2 87.6
 134 28.8 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

