

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059433.D
 Acq On : 26 Jun 2018 19:41
 Operator : VA/AP
 Sample : J3681-04
 Misc : 9.98g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:53:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	672307	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	868695	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	672114	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	316349	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	263417	38.31	ug/l	-0.03
Spiked Amount				50.000		
Recovery						76.62%
35) Dibromofluoromethane	5.54	113	289906	40.97	ug/l	-0.02
Spiked Amount				50.000		
Recovery						81.94%
50) Toluene-d8	8.70	98	547258	33.08	ug/l	-0.02
Spiked Amount				50.000		
Recovery						66.16%
62) 4-Bromofluorobenzene	11.92	95	235688	34.25	ug/l	0.00
Spiked Amount				50.000		
Recovery						68.50%

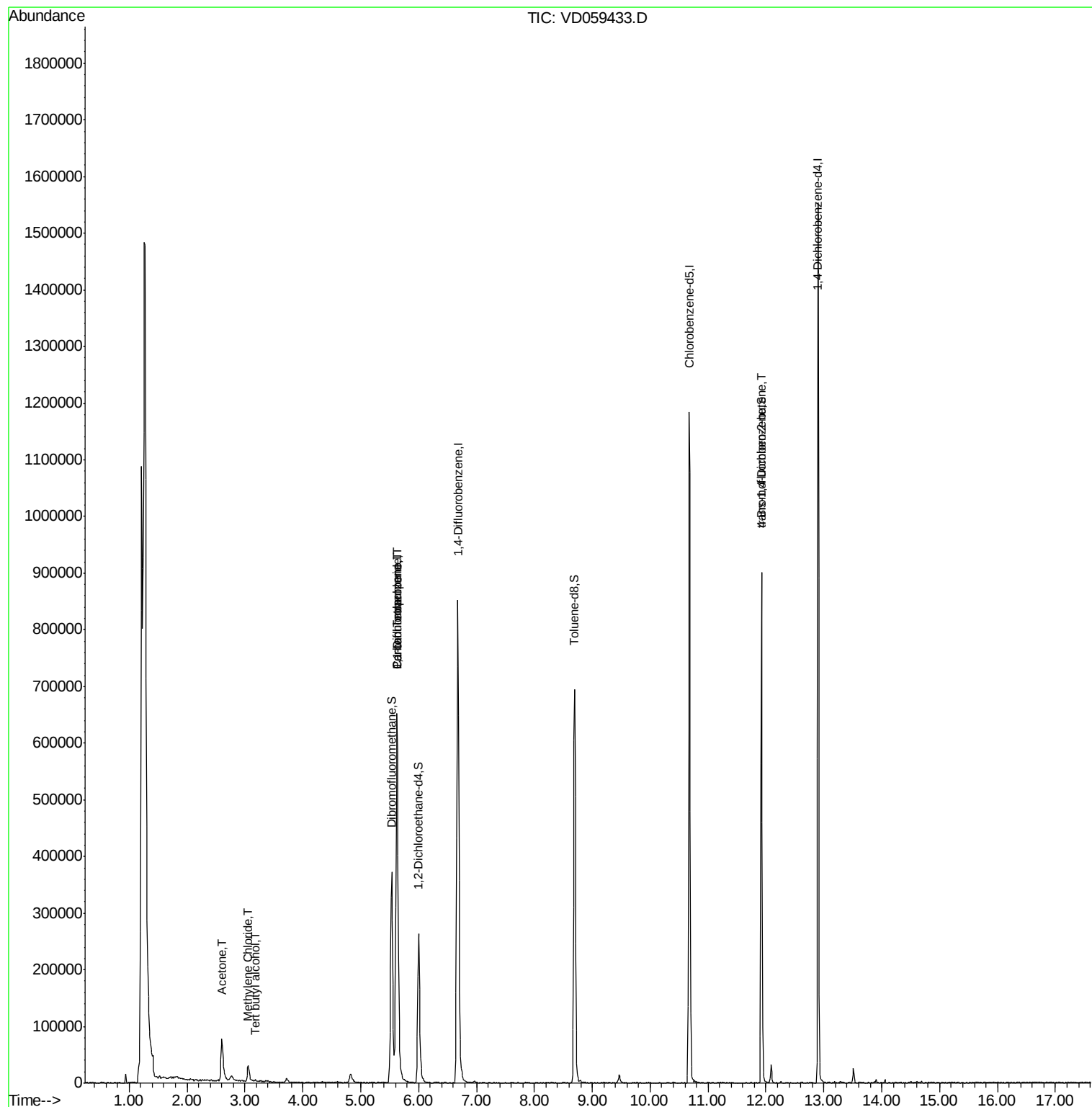
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	214	Below Cal	#	4
11) Tert butyl alcohol	3.18	59	1909	8.026	ug/l #	72
16) Acetone	2.60	43	152485	175.730	ug/l	98
18) Methyl Acetate	2.92	43	3200	Below Cal	#	66
20) Methylene Chloride	3.05	84	13224	3.158	ug/l	90
31) Cyclohexane	5.62	56	14991	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	51296	6.509	ug/l #	49
38) Carbon Tetrachloride	5.62	117	55908	6.881	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	110548	111.463	ug/l #	1

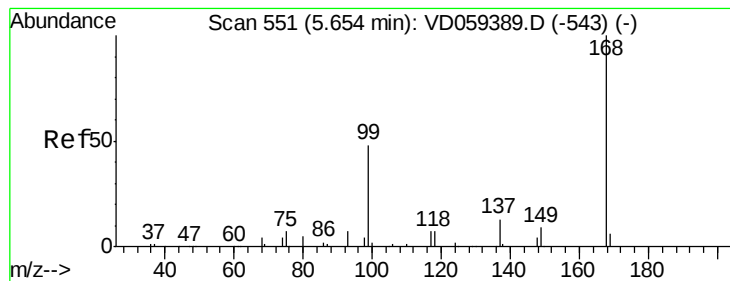
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059433.D

Acq: 26 Jun 2018 19:41

Instrument :

MSVOA_D

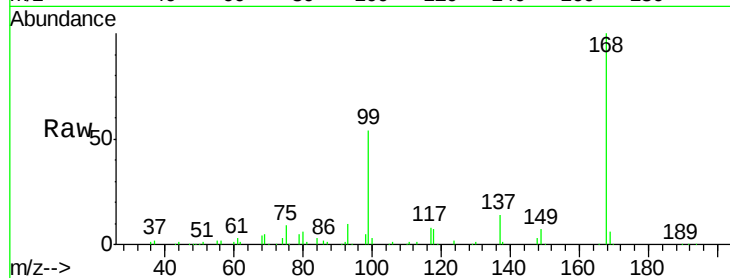
ClientSampleId :

Tot Ion:168 Resp: 672307

Ion Ratio Lower Upper

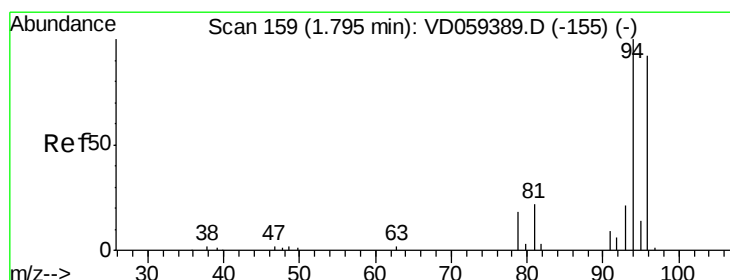
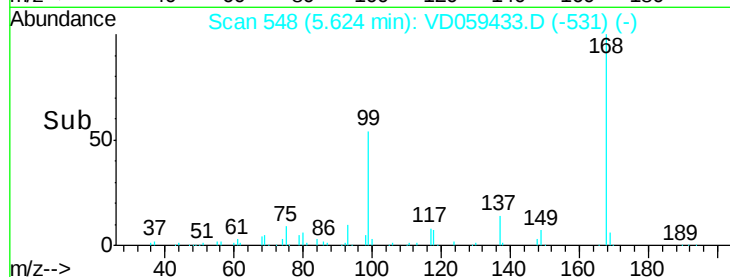
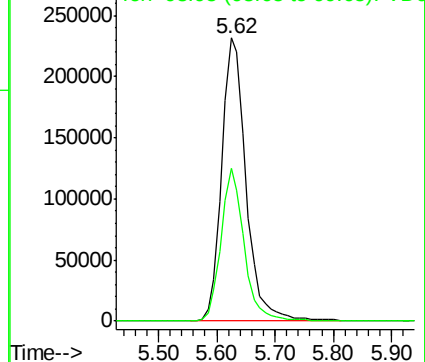
168 100

99 53.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 143

Delta R.T. -0.16 min

Lab File: VD059433.D

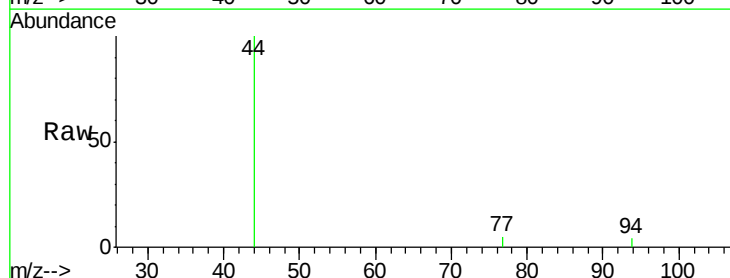
Acq: 26 Jun 2018 19:41

Tgt Ion: 94 Resp: 214

Ion Ratio Lower Upper

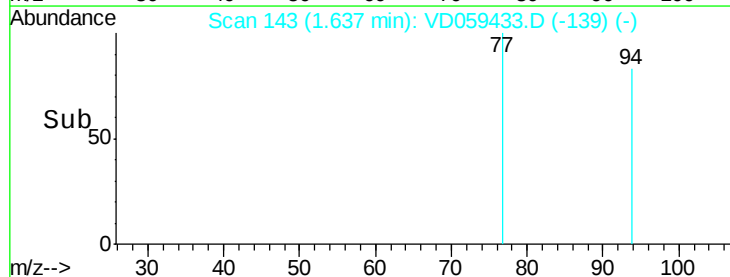
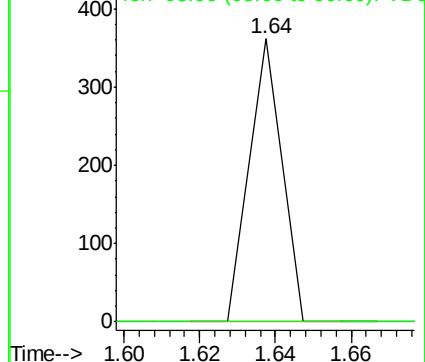
94 100

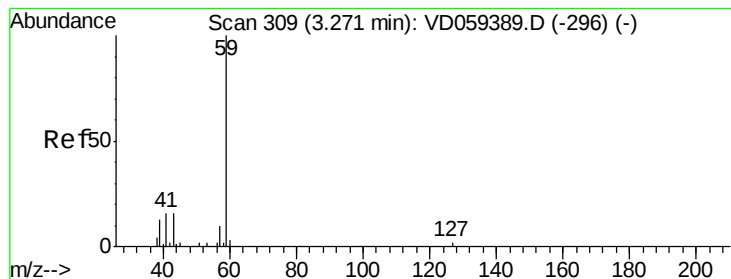
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



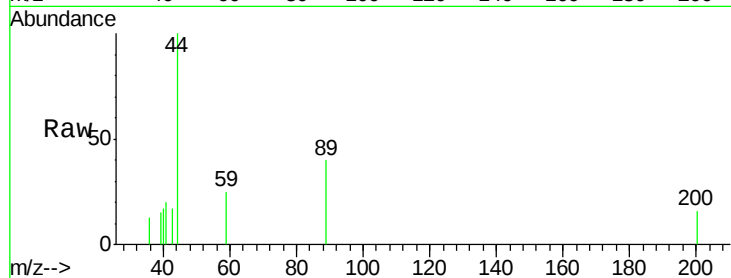


#11

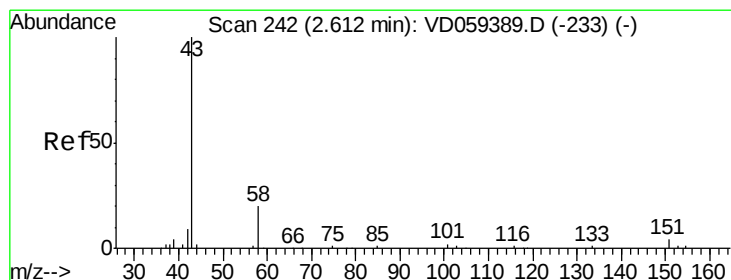
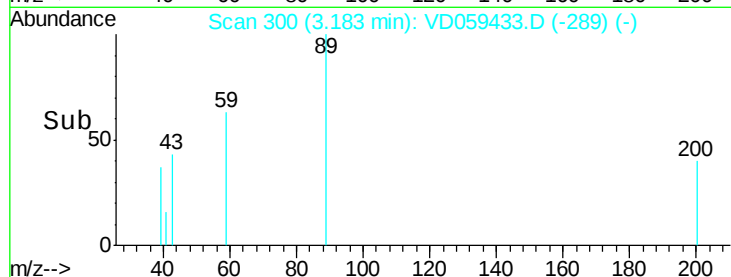
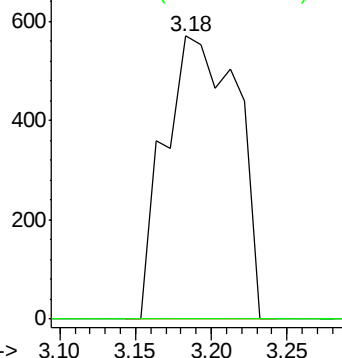
Tert butyl alcohol
 Concen: 8.026 ug/l
 RT: 3.18 min Scan# 300
 Delta R.T. -0.09 min
 Lab File: VD059433.D
 Acq: 26 Jun 2018 19:41

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 1909
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



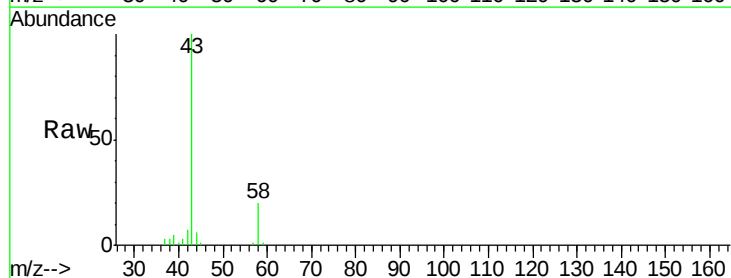
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



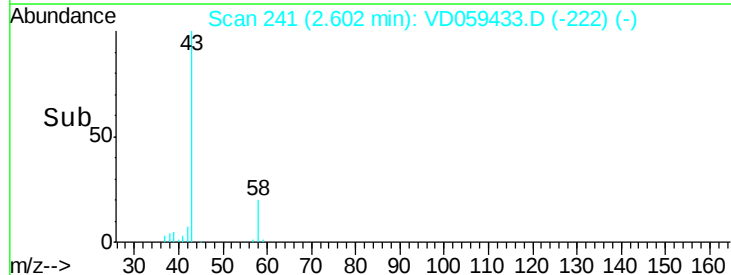
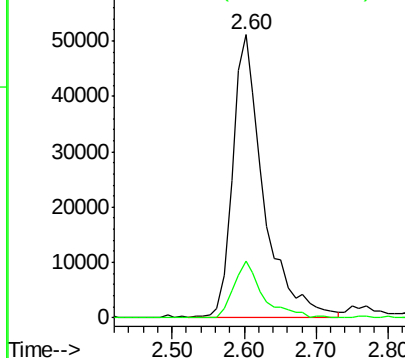
#16

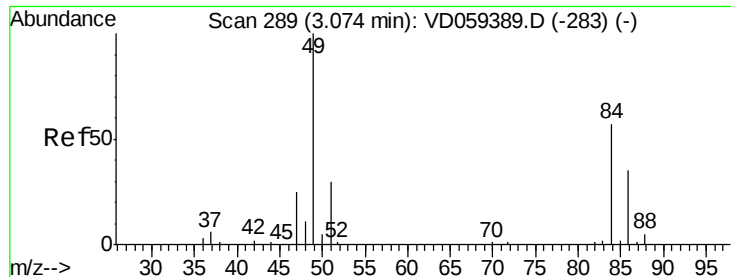
Acetone
 Concen: 175.730 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD059433.D
 Acq: 26 Jun 2018 19:41

Tgt Ion: 43 Resp: 152485
 Ion Ratio Lower Upper
 43 100
 58 20.1 16.8 25.2



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

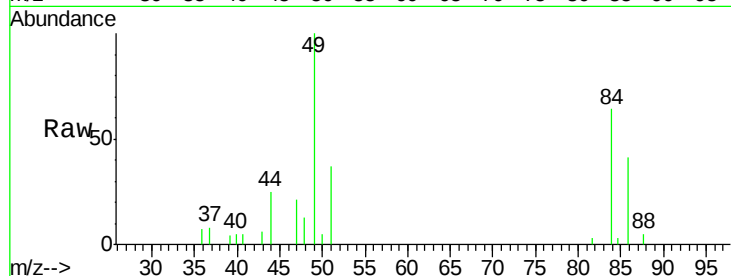




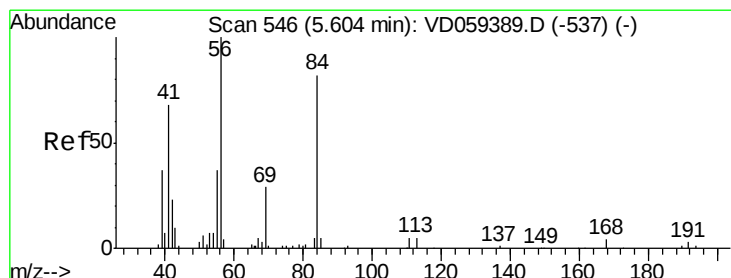
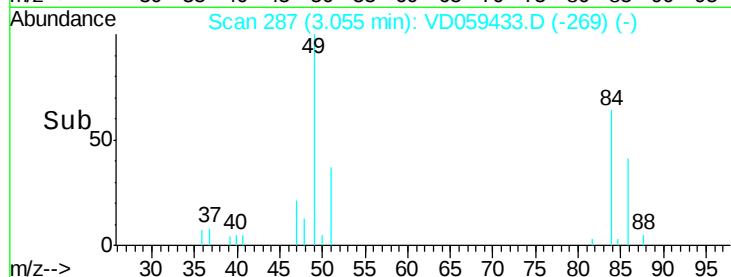
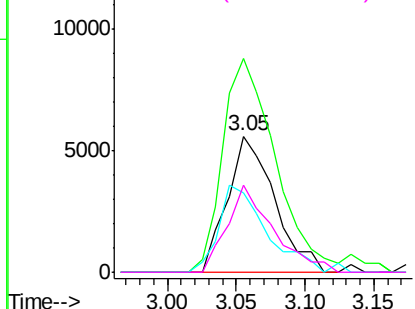
#20
Methvlene Chloride
Concen: 3.158 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059433.D
Acq: 26 Jun 2018 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 13224
Ion Ratio Lower Upper
84 100
49 157.0 140.3 210.5
51 58.7 41.6 62.4
86 64.1 49.4 74.2

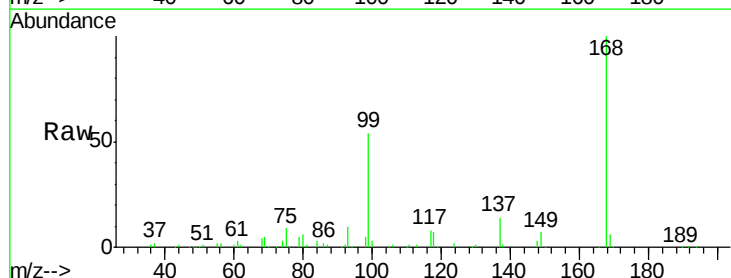


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

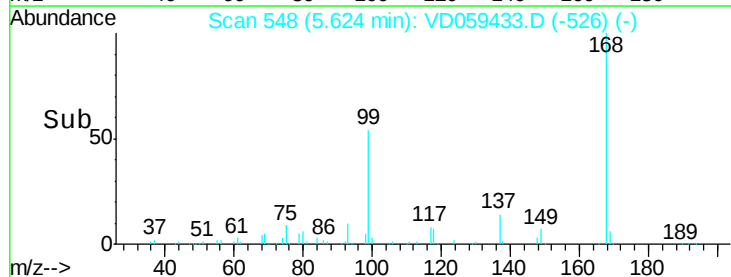
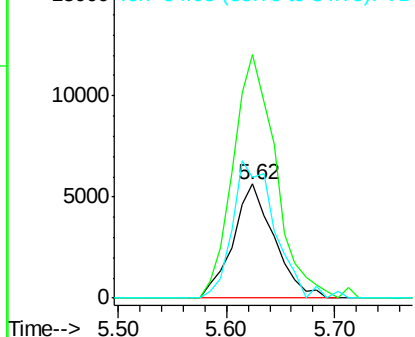


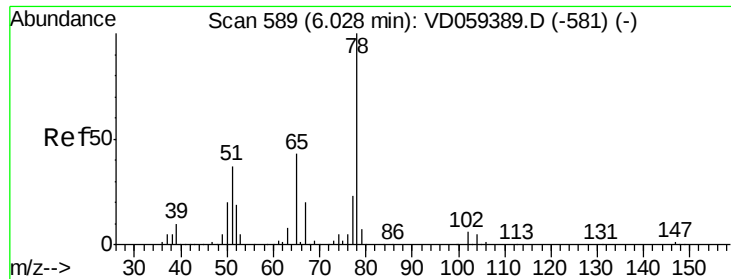
#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD059433.D
Acq: 26 Jun 2018 19:41

Tgt Ion: 56 Resp: 14991
Ion Ratio Lower Upper
56 100
69 213.1 22.9 34.3#
84 105.7 67.3 100.9#



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: 6.00 min Scan# 586

Delta R.T. -0.03 min

Lab File: VD059433.D

Acq: 26 Jun 2018 19:41

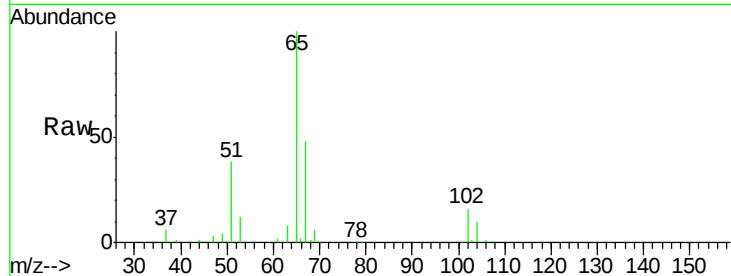
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 263417

Ion Ratio Lower Upper

65 100

67 48.5 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.00

100000

80000

60000

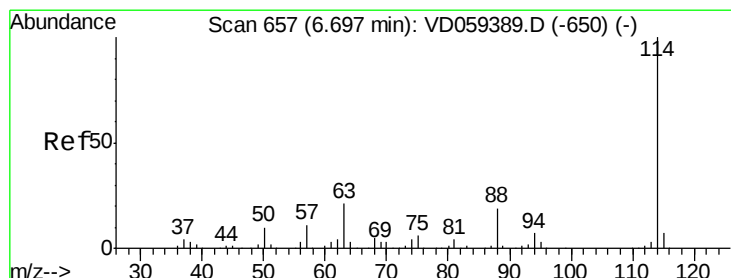
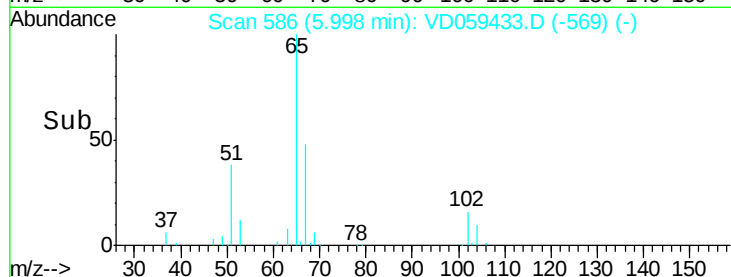
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059433.D

Acq: 26 Jun 2018 19:41

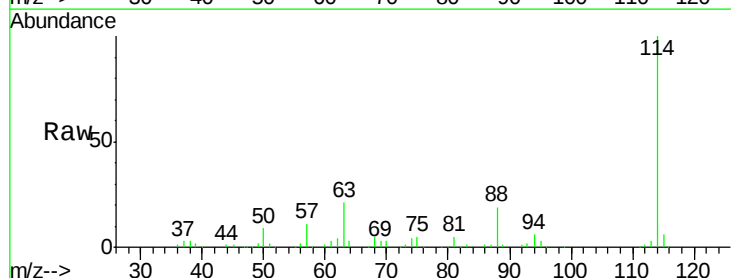
Tgt Ion: 114 Resp: 868695

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 18.5 0.0 38.0



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

6.68

400000

300000

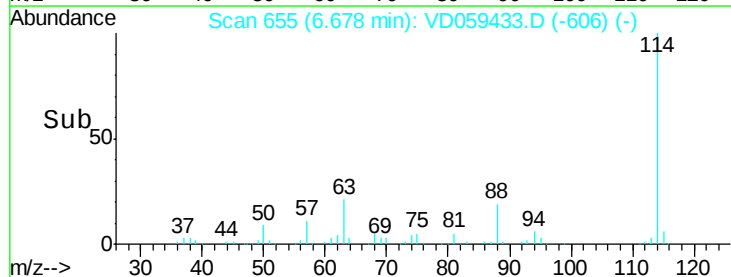
200000

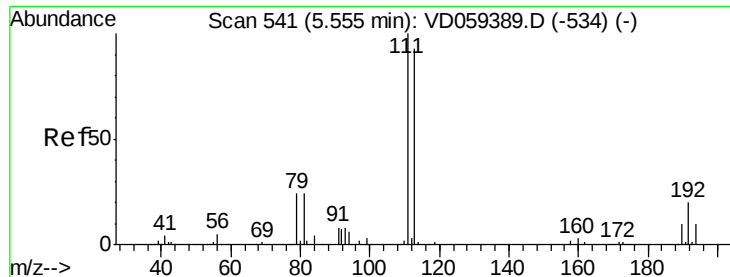
100000

0

Time-->

6.60 6.80 7.00

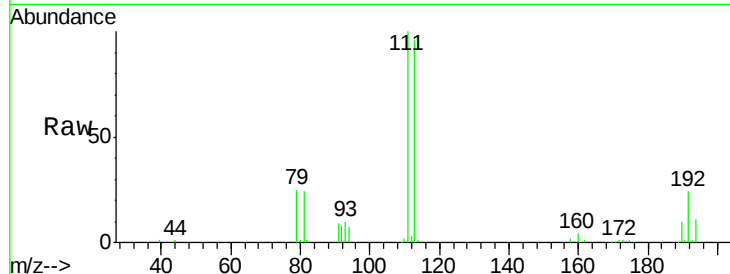




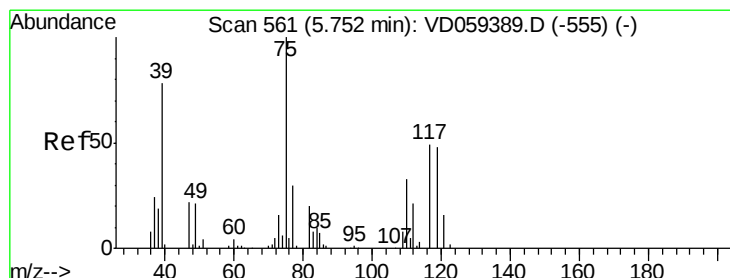
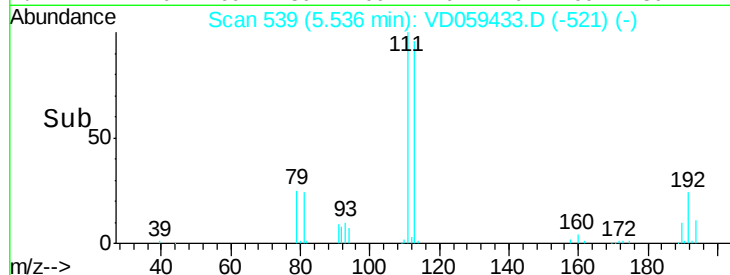
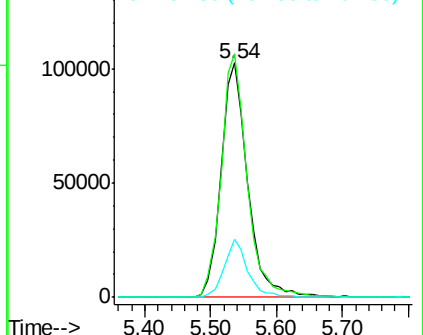
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059433.D
 Acq: 26 Jun 2018 19:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	85.7	128.5
192	24.9	16.9	25.3

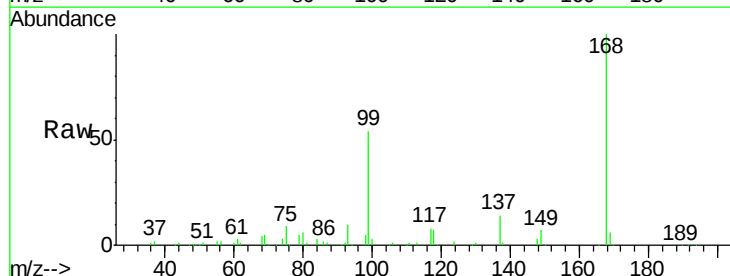


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

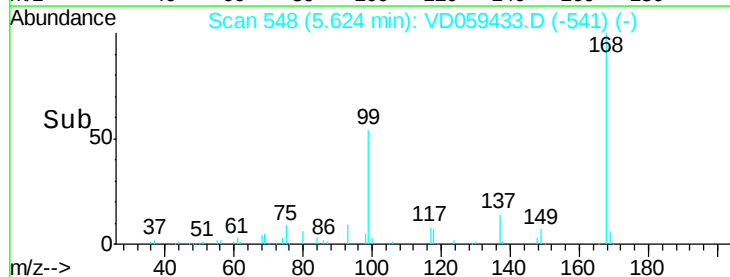
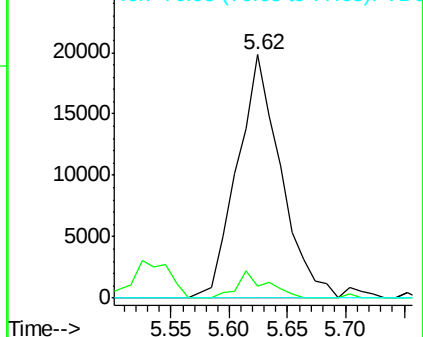


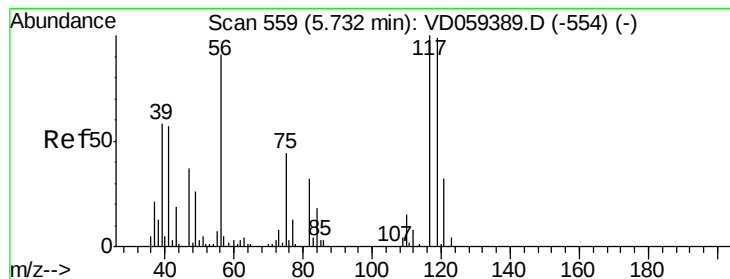
#36
 1,1-Dichloropropene
 Concen: 6.509 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD059433.D
 Acq: 26 Jun 2018 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.0	16.1	48.2#
77	0.0	23.4	35.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.881 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.11 min

Lab File: VD059433.D

Acq: 26 Jun 2018 19:41

Instrument :

MSVOA_D

ClientSampleId :

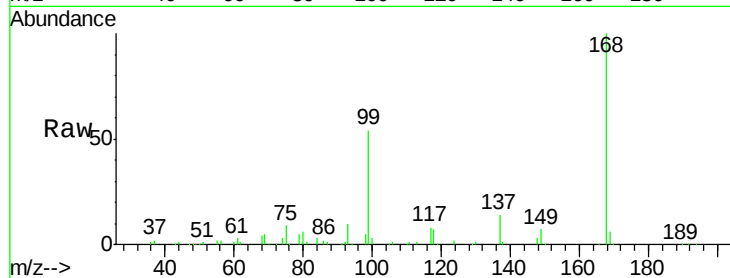
Tot Ion:117 Resp: 55908

Ion Ratio Lower Upper

117 100

119 4.3 76.6 115.0#

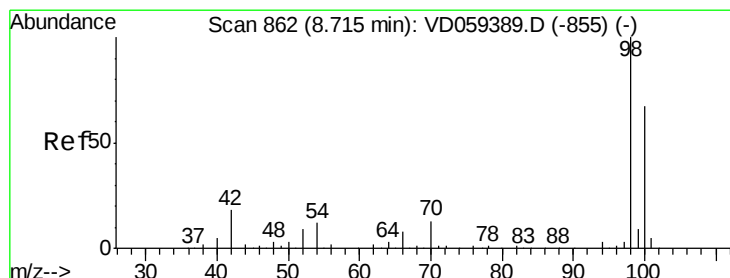
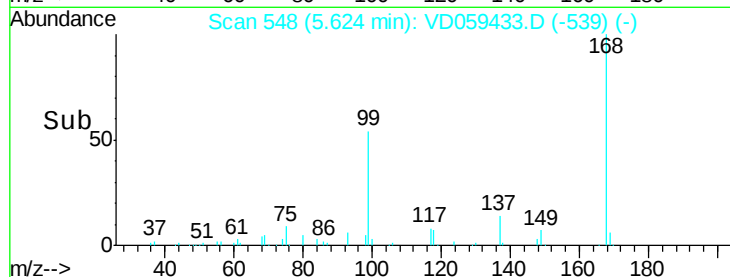
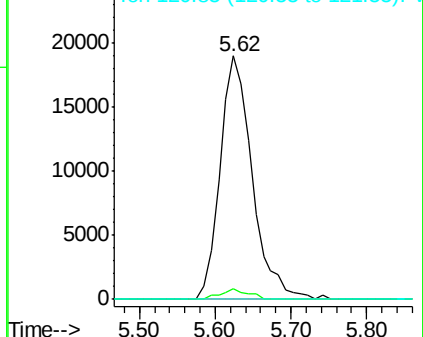
121 0.0 25.0 37.4#



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: 8.70 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059433.D

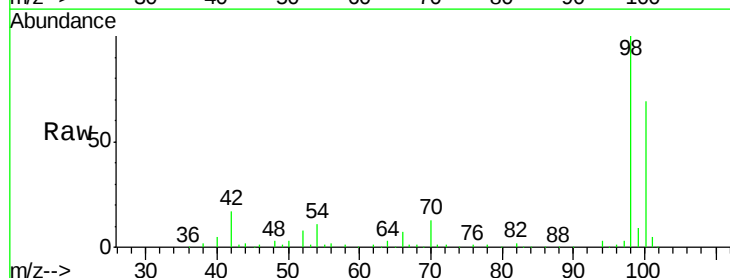
Acq: 26 Jun 2018 19:41

Tgt Ion: 98 Resp: 547258

Ion Ratio Lower Upper

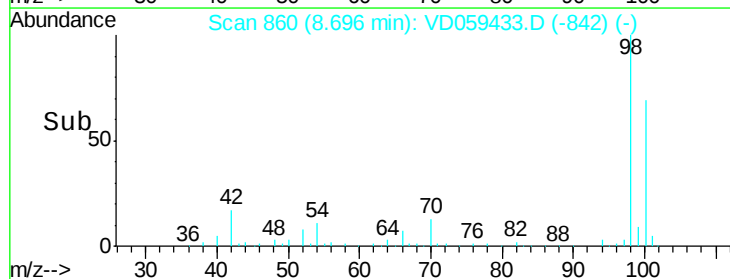
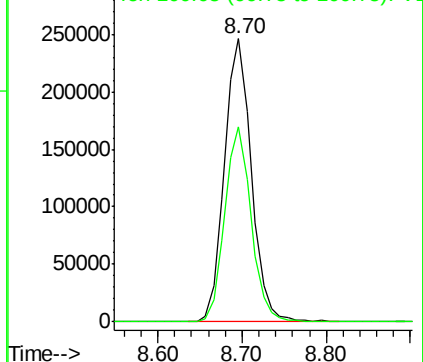
98 100

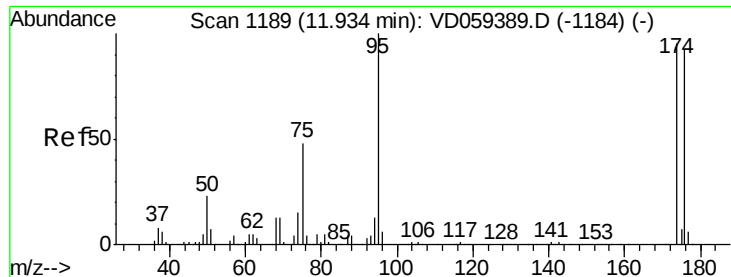
100 68.7 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

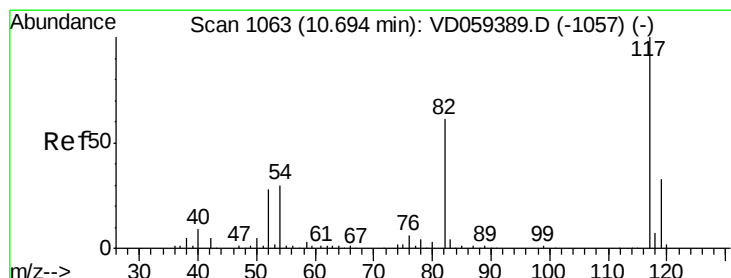
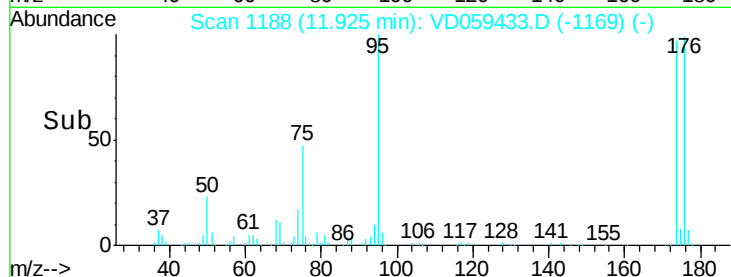
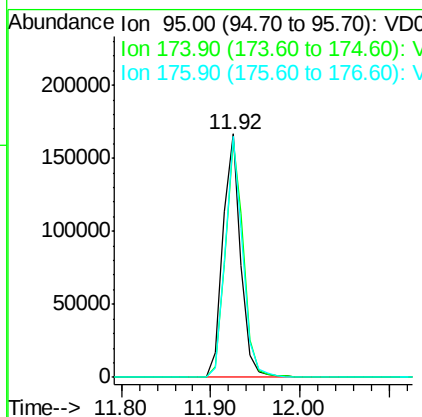
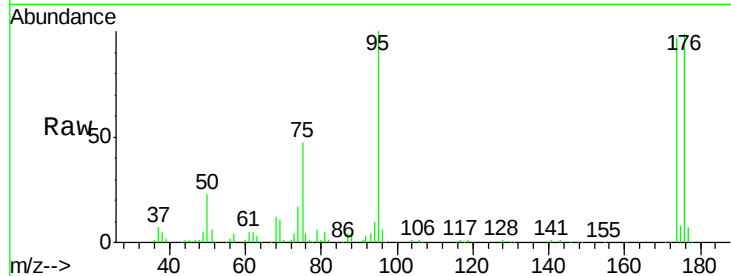




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059433.D
Acq: 26 Jun 2018 19:41

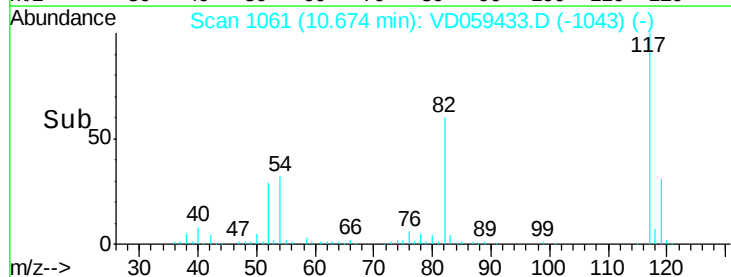
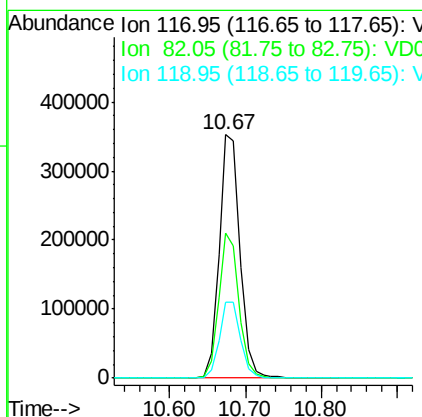
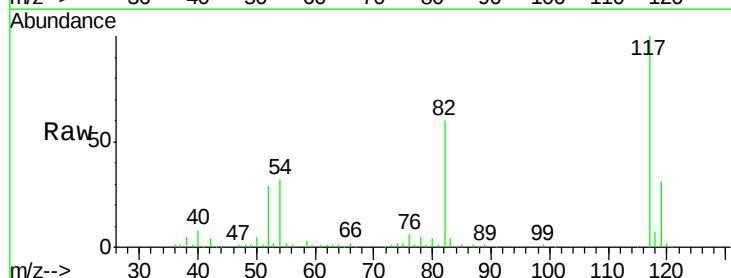
Instrument :
MSVOA_D
ClientSampleId :

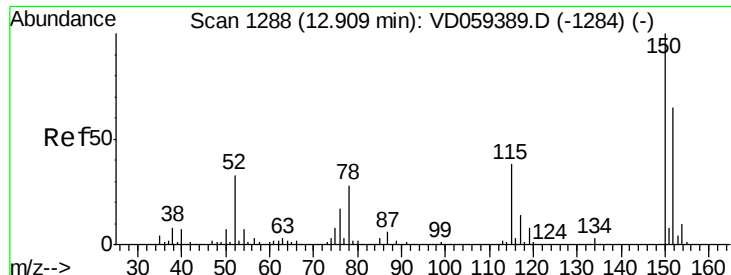
Tot Ion: 95 Resp: 235688
Ion Ratio Lower Upper
95 100
174 97.4 0.0 190.4
176 98.9 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.02 min
Lab File: VD059433.D
Acq: 26 Jun 2018 19:41

Tgt Ion: 117 Resp: 672114
Ion Ratio Lower Upper
117 100
82 59.7 49.0 73.6
119 31.1 26.2 39.4



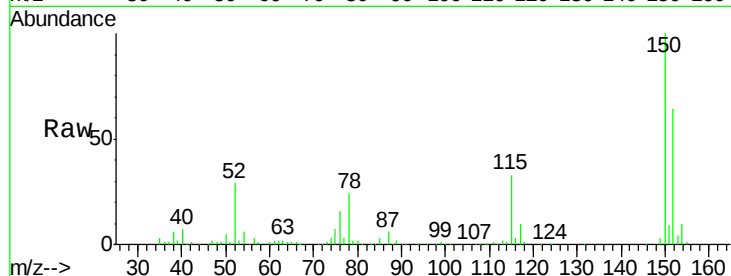


#72

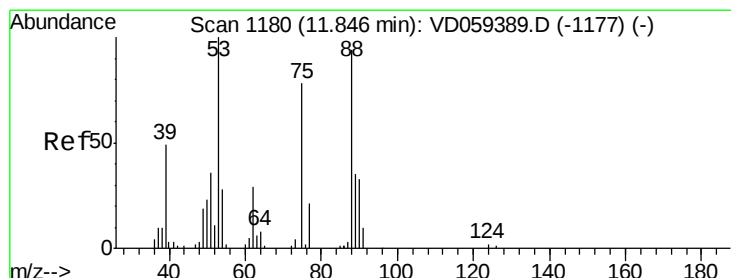
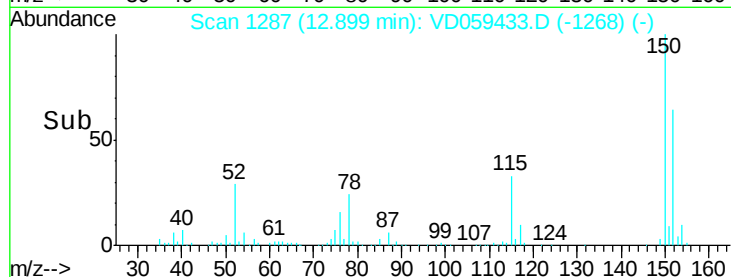
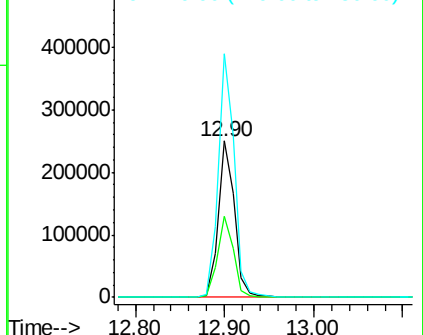
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059433.D
Acq: 26 Jun 2018 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 316349
Ion Ratio Lower Upper
152 100
115 51.6 29.4 88.3
150 155.9 0.0 308.2



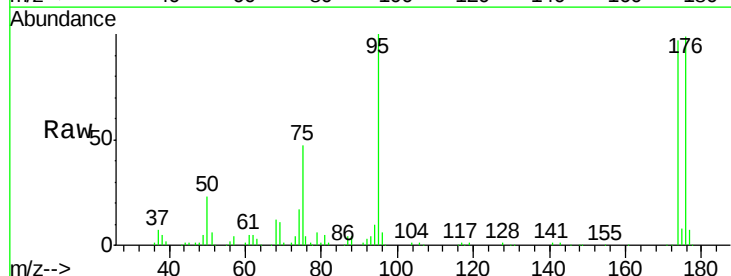
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 111.463 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD059433.D
Acq: 26 Jun 2018 19:41

Tgt Ion: 75 Resp: 110548
Ion Ratio Lower Upper
75 100
53 0.0 102.6 154.0#
89 0.0 35.9 53.9#



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

