

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059427.D
 Acq On : 26 Jun 2018 16:52
 Operator : VA/AP
 Sample : J3241-17
 Misc : 6.49g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:51:58 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	5.63	168	669028	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	832563	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	409315	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	254810	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	293821	42.94	ug/l	-0.03
Spiked Amount			Recovery	=	85.88%	
35) Dibromofluoromethane	5.53	113	301368	44.44	ug/l	-0.03
Spiked Amount			Recovery	=	88.88%	
50) Toluene-d8	8.69	98	286446	18.07	ug/l	-0.03
Spiked Amount			Recovery	=	36.14%	
62) 4-Bromofluorobenzene	11.92	95	204727	31.05	ug/l	-0.02
Spiked Amount			Recovery	=	62.10%	

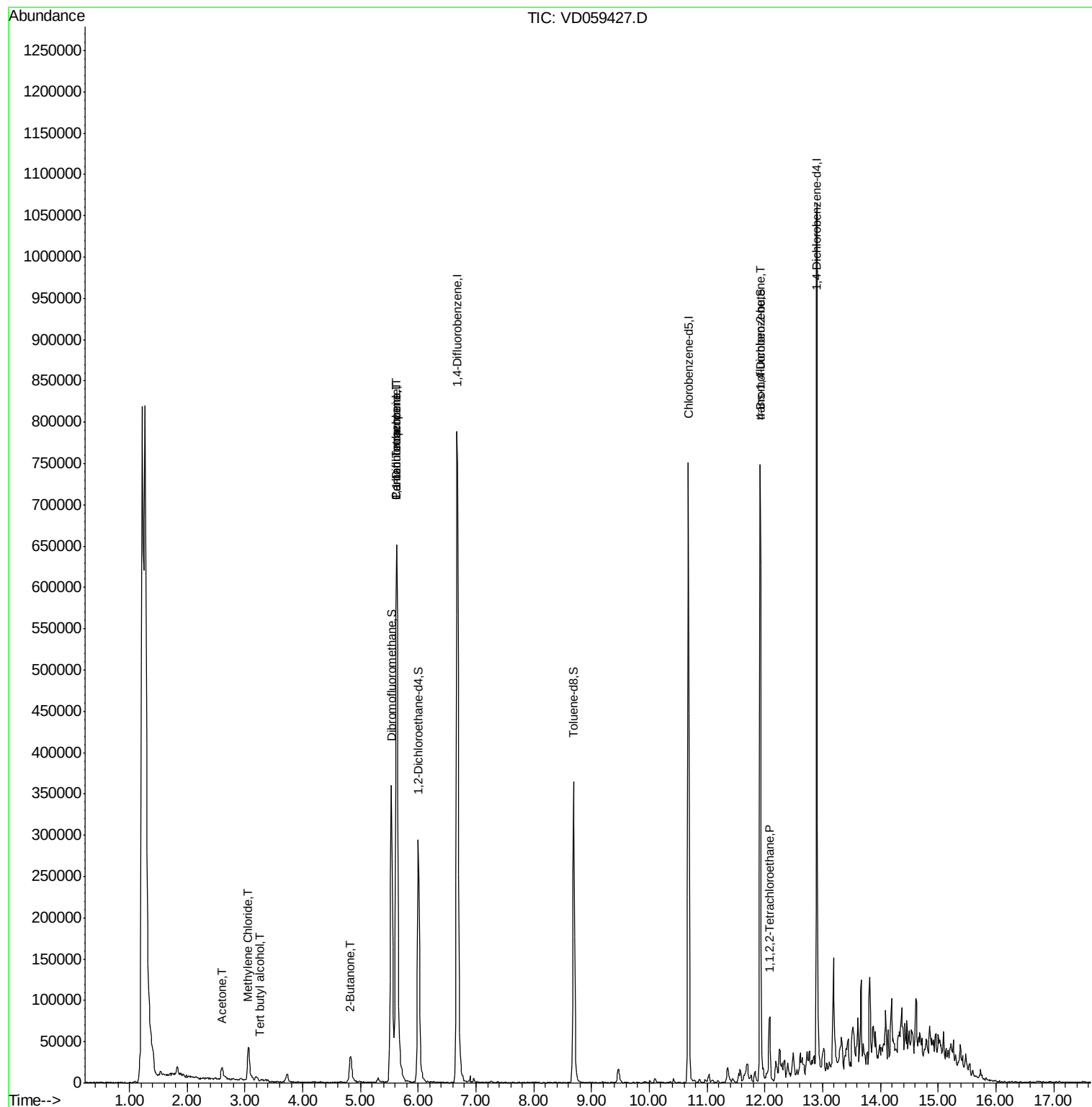
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.74	94	538	Below Cal	#	4
11) Tert butyl alcohol	3.25	59	568	2.400	ug/l #	72
16) Acetone	2.60	43	31164	36.091	ug/l #	89
18) Methyl Acetate	2.93	43	4968	Below Cal	#	66
20) Methylene Chloride	3.07	84	19052	5.748	ug/l	95
25) 2-Butanone	4.83	43	3877	2.143	ug/l #	89
31) Cyclohexane	5.62	56	15861	Below Cal	#	13
36) 1,1-Dichloropropene	5.63	75	54118	7.166	ug/l #	51
38) Carbon Tetrachloride	5.63	117	55665	7.149	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.08	83	3583	1.062	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.92	75	94856	118.739	ug/l #	1

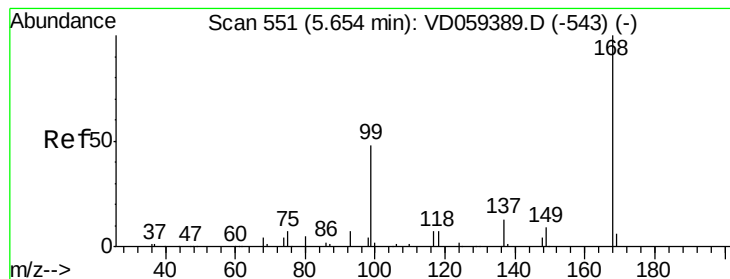
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059427.D

Acq: 26 Jun 2018 16:52

Instrument :

MSVOA_D

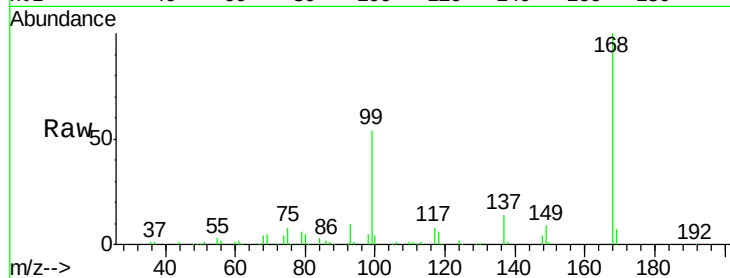
ClientSampleId :

Tot Ion:168 Resp: 669028

Ion Ratio Lower Upper

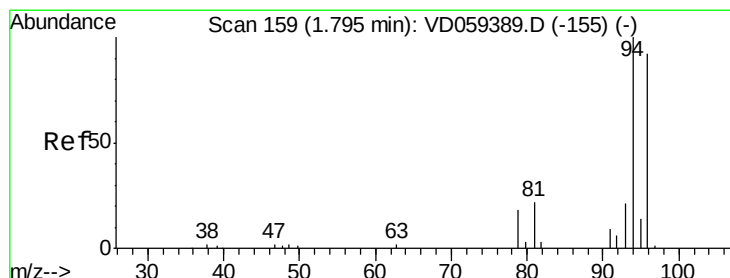
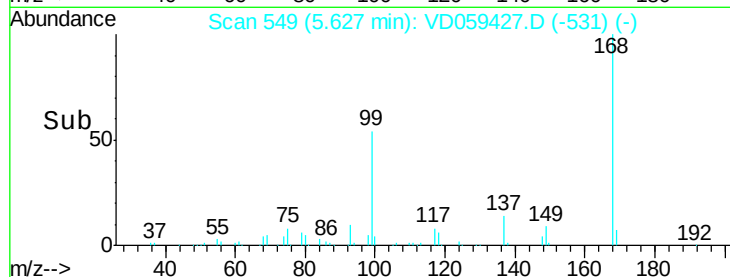
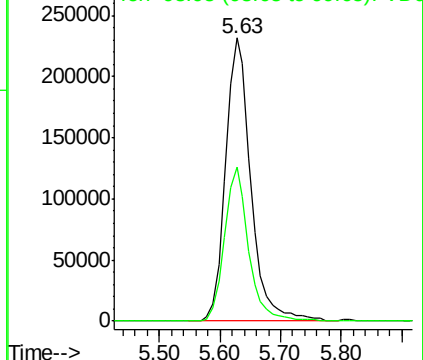
168 100

99 54.5 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: 1.74 min Scan# 154

Delta R.T. -0.06 min

Lab File: VD059427.D

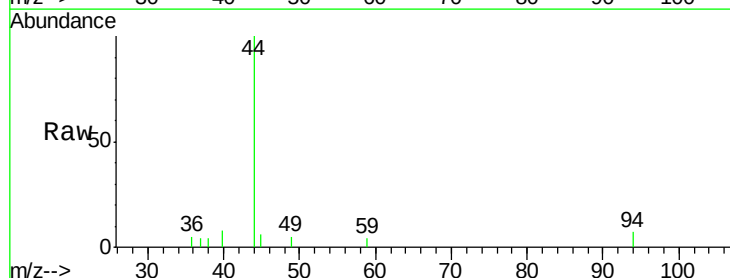
Acq: 26 Jun 2018 16:52

Tgt Ion: 94 Resp: 538

Ion Ratio Lower Upper

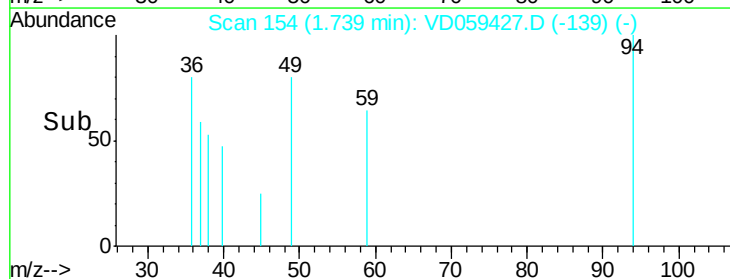
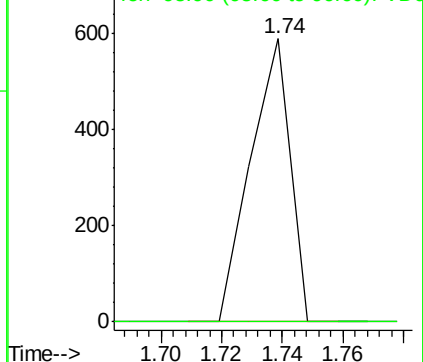
94 100

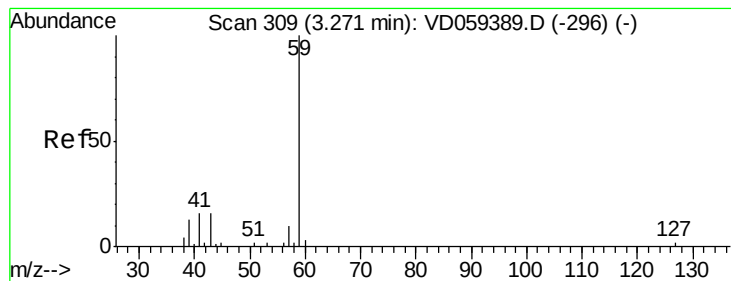
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



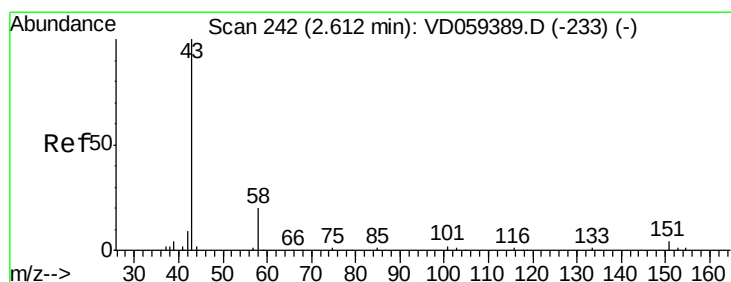
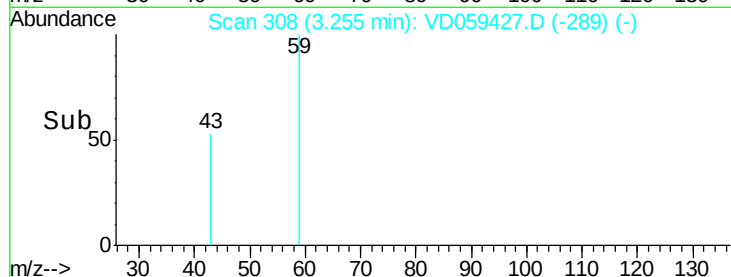
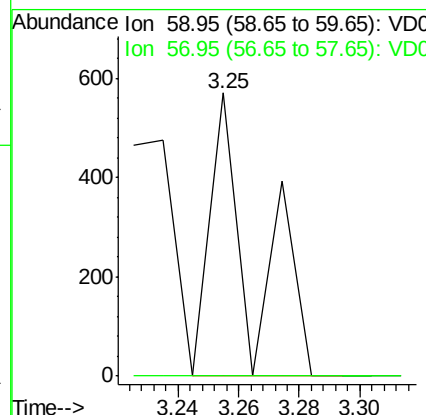
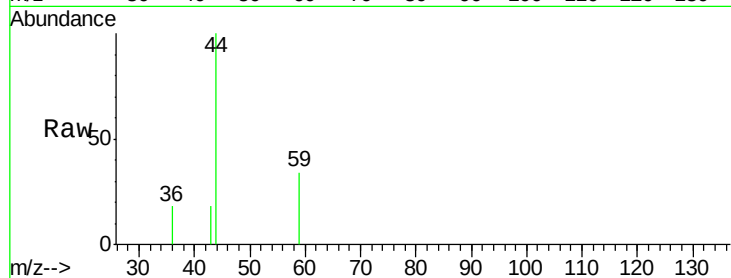


#11

Tert butyl alcohol
 Concen: 2.400 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VD059427.D
 Acq: 26 Jun 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

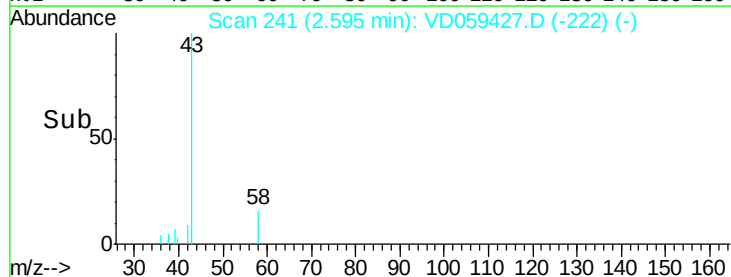
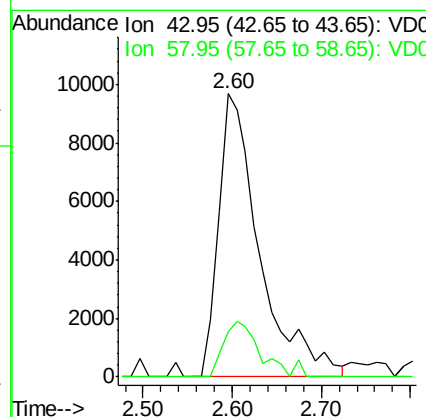
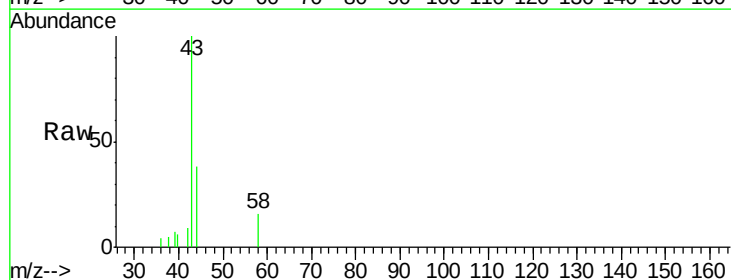
Tot Ion: 59 Resp: 568
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

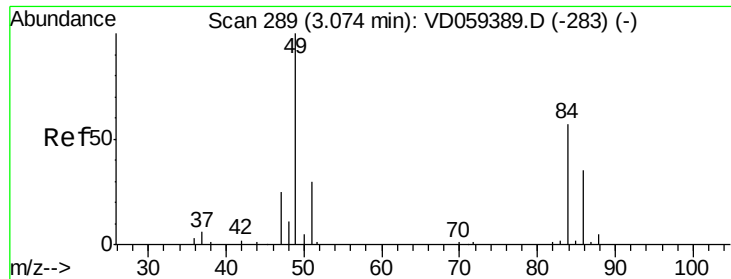


#16

Acetone
 Concen: 36.091 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD059427.D
 Acq: 26 Jun 2018 16:52

Tgt Ion: 43 Resp: 31164
 Ion Ratio Lower Upper
 43 100
 58 15.8 16.8 25.2#

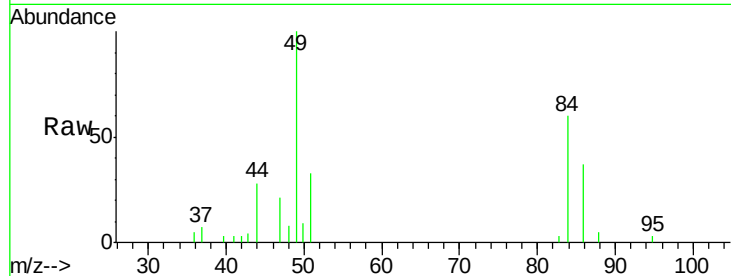




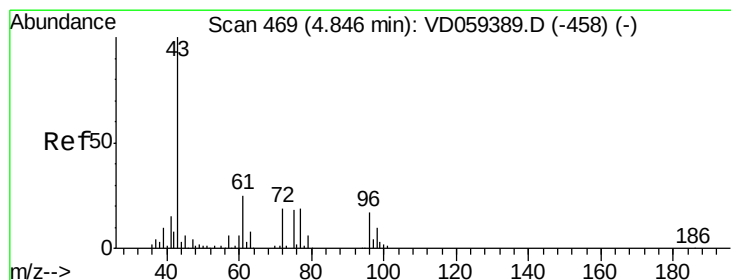
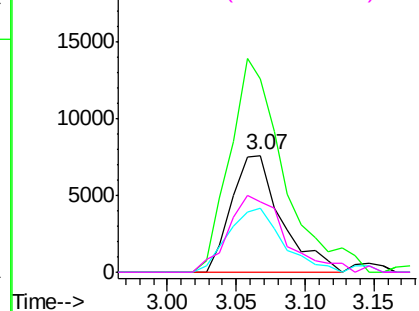
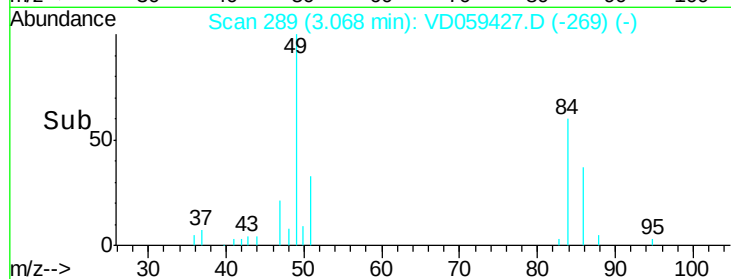
#20
Methvlene Chloride
Concen: 5.748 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059427.D
Acq: 26 Jun 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	19052
Ion	Ratio	Lower	Upper
84	100		
49	165.6	140.3	210.5
51	54.7	41.6	62.4
86	60.5	49.4	74.2

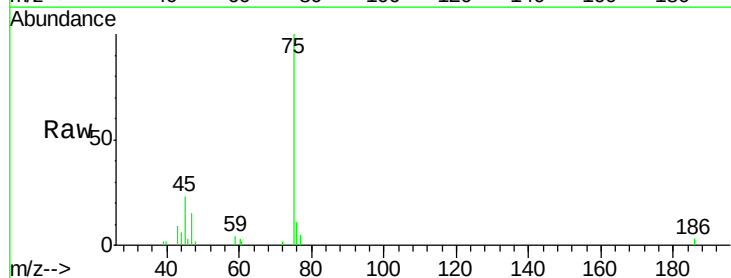


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

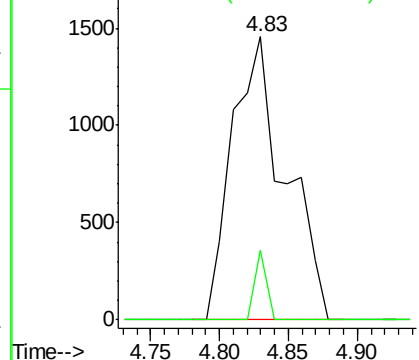
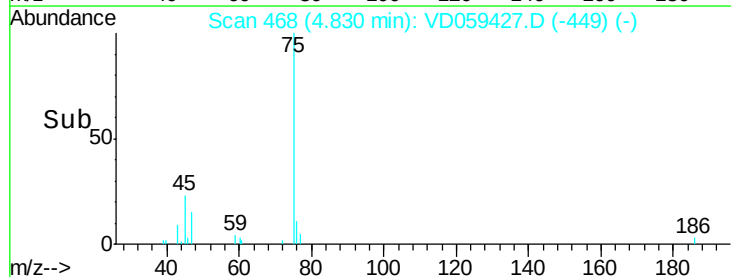


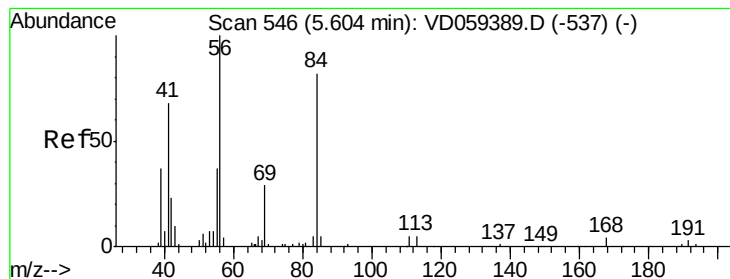
#25
2-Butanone
Concen: 2.143 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD059427.D
Acq: 26 Jun 2018 16:52

Tgt Ion:	43	Resp:	3877
Ion	Ratio	Lower	Upper
43	100		
72	24.5	15.4	23.2#



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





#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059427.D

Acq: 26 Jun 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

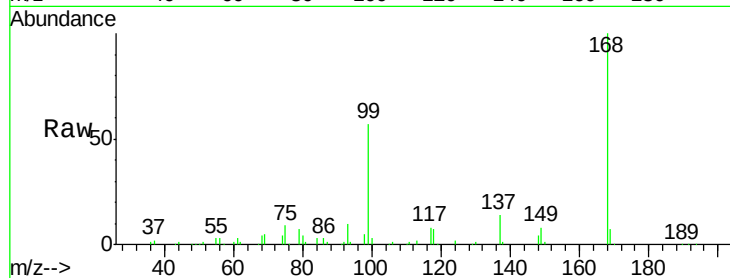
Tot Ion: 56 Resp: 15861

Ion Ratio Lower Upper

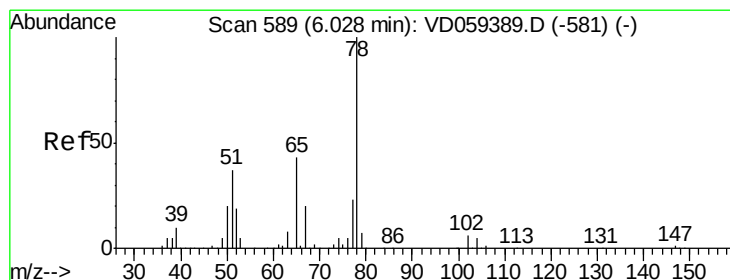
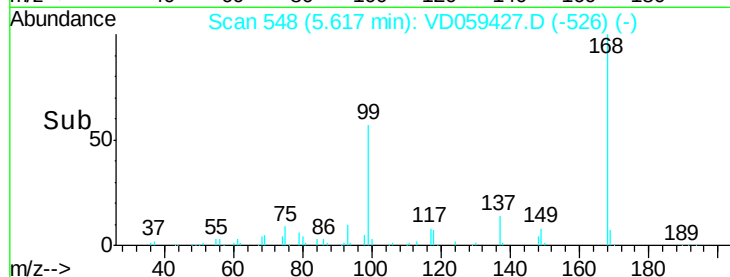
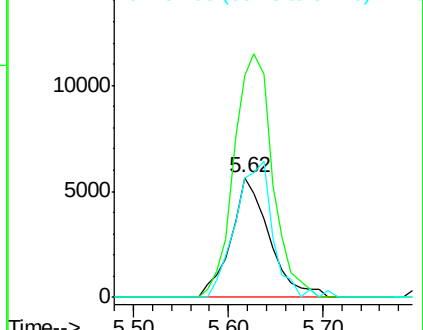
56 100

69 184.6 22.9 34.3#

84 99.7 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# 587

Delta R.T. -0.03 min

Lab File: VD059427.D

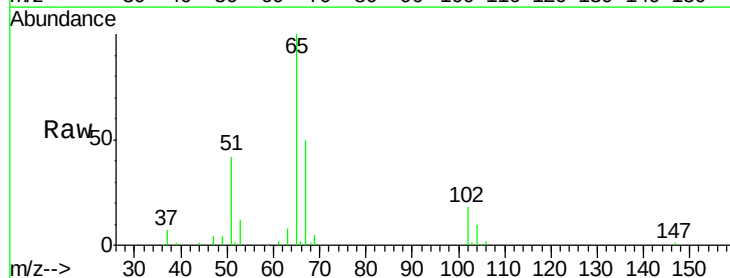
Acq: 26 Jun 2018 16:52

Tgt Ion: 65 Resp: 293821

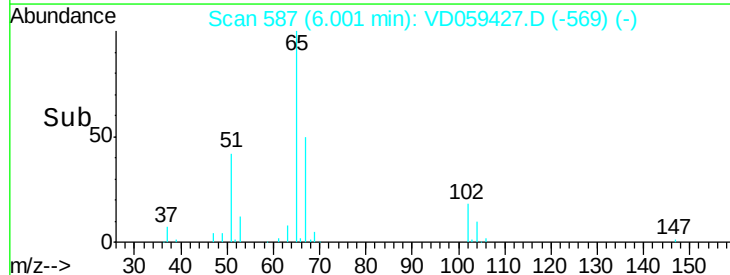
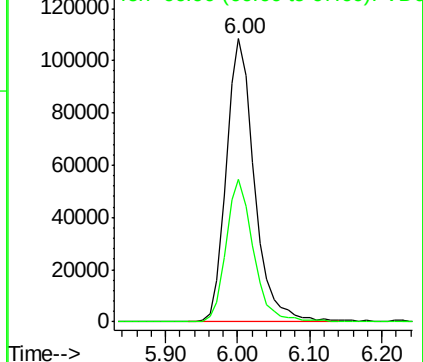
Ion Ratio Lower Upper

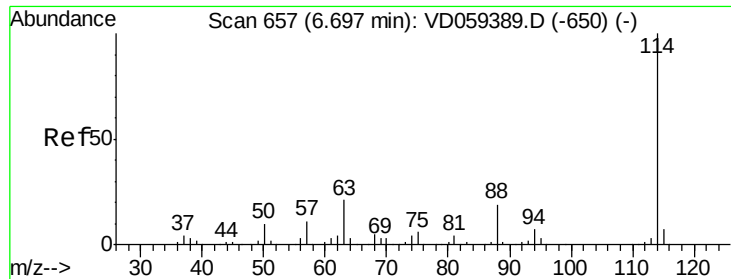
65 100

67 50.5 0.0 93.8



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

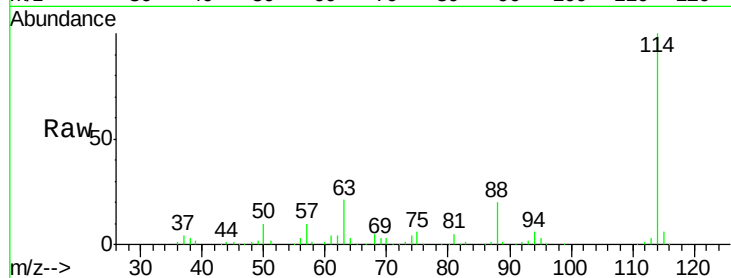




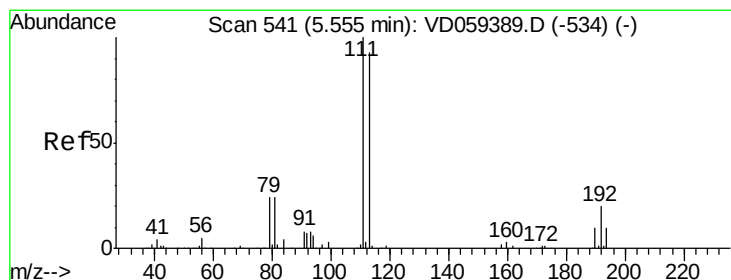
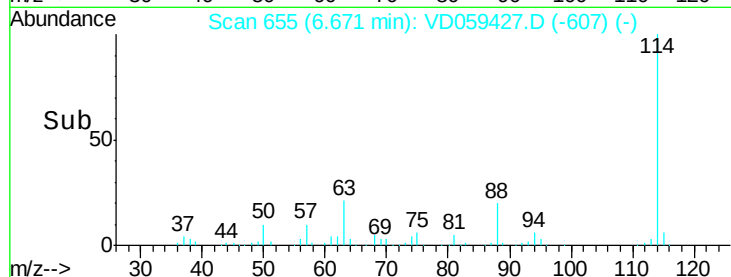
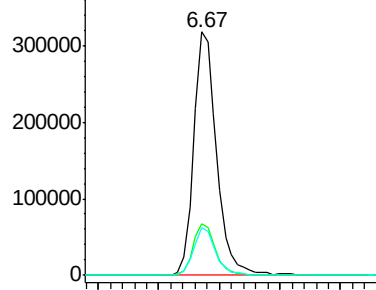
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD059427.D
 Acq: 26 Jun 2018 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 832563
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 19.8 0.0 38.0

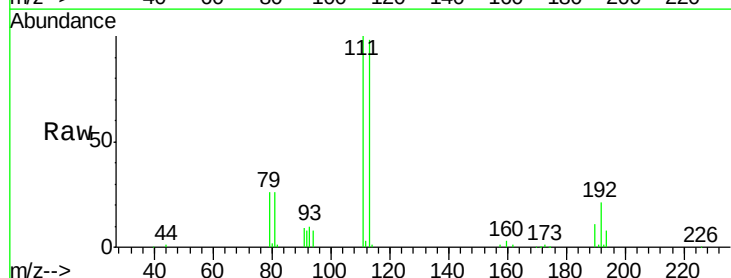


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

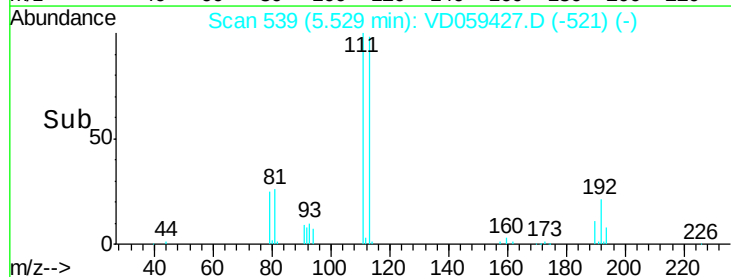
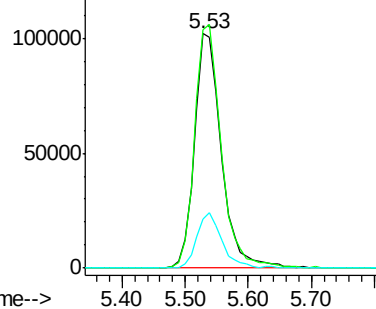


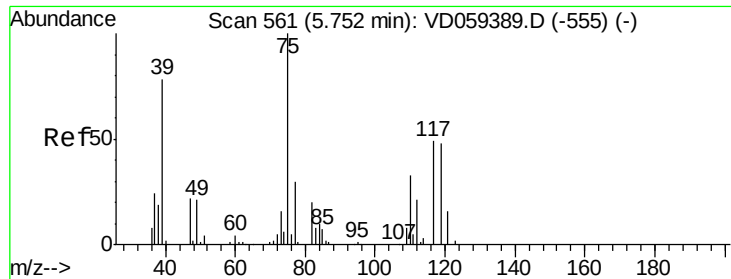
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD059427.D
 Acq: 26 Jun 2018 16:52

Tgt Ion:113 Resp: 301368
 Ion Ratio Lower Upper
 113 100
 111 101.8 85.7 128.5
 192 20.9 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

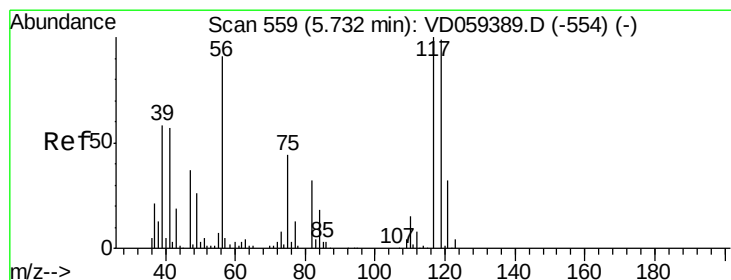
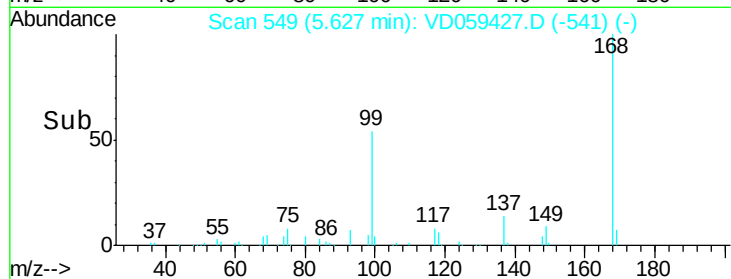
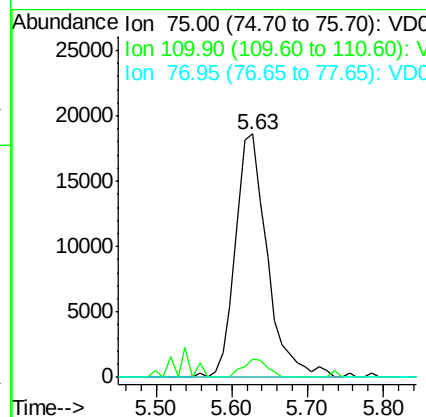
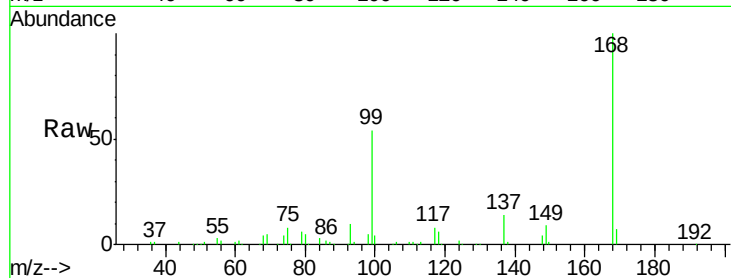




#36
 1,1-Dichloropropene
 Concen: 7.166 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059427.D
 Acq: 26 Jun 2018 16:52

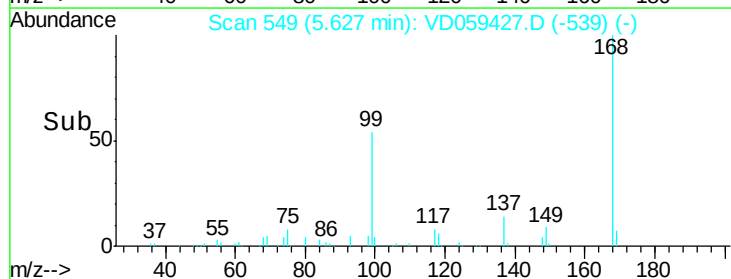
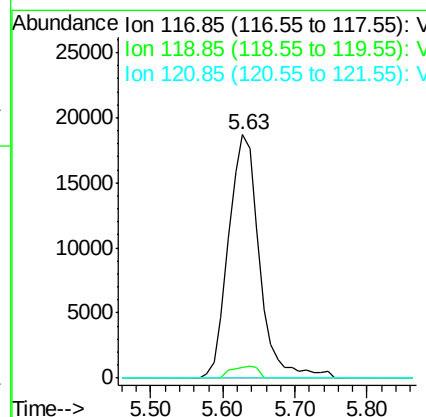
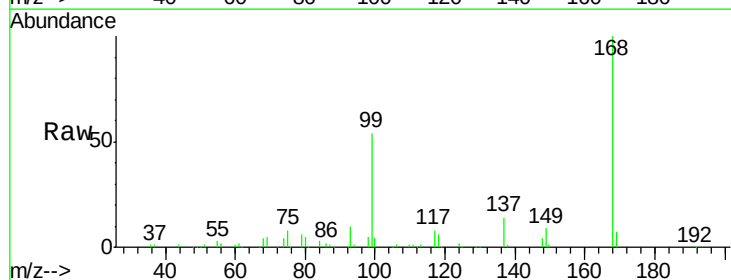
Instrument :
 MSVOA_D
 ClientSampleId :

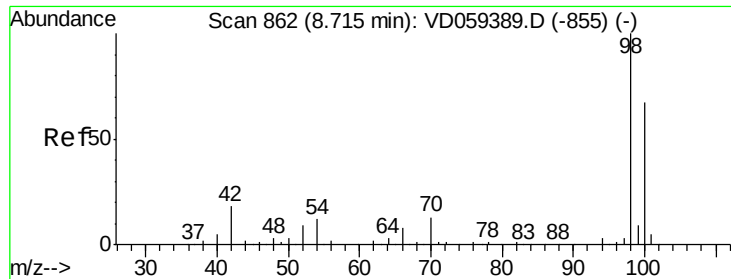
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.1	48.2#
77	0.0	23.4	35.2#



#38
 Carbon Tetrachloride
 Concen: 7.149 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.11 min
 Lab File: VD059427.D
 Acq: 26 Jun 2018 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.6	115.0#
121	0.0	25.0	37.4#

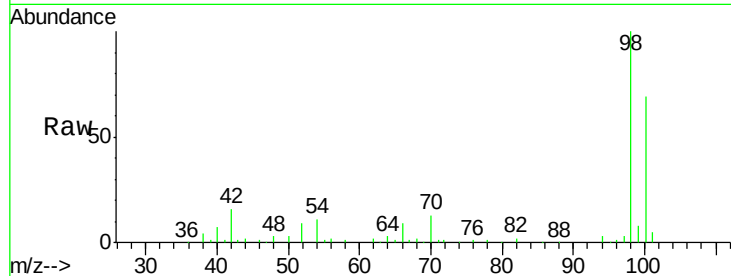




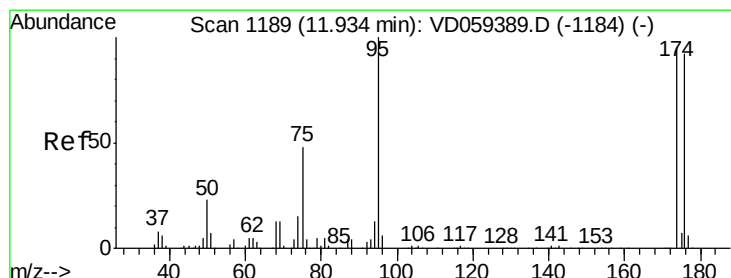
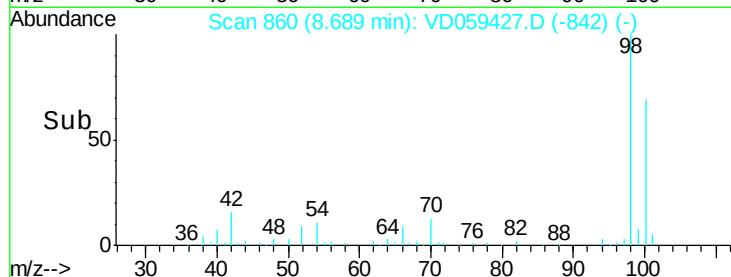
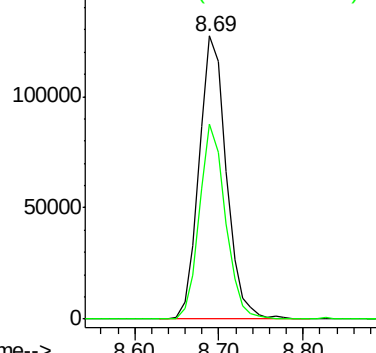
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.03 min
Lab File: VD059427.D
Acq: 26 Jun 2018 16:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 286446
Ion Ratio Lower Upper
98 100
100 68.7 54.4 81.6

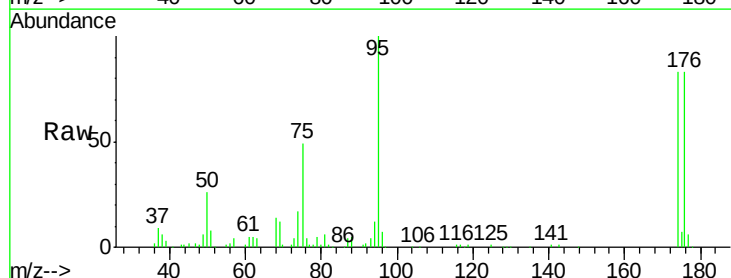


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

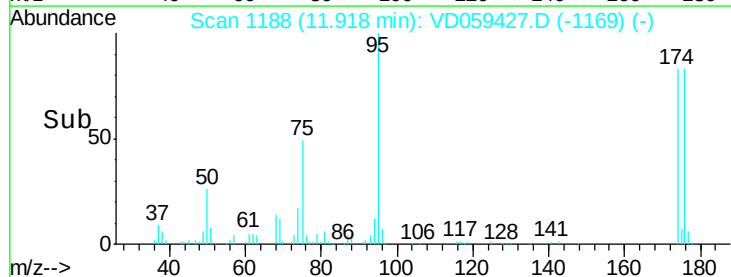
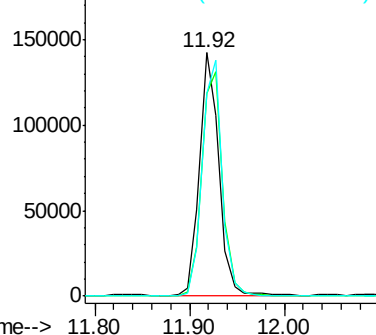


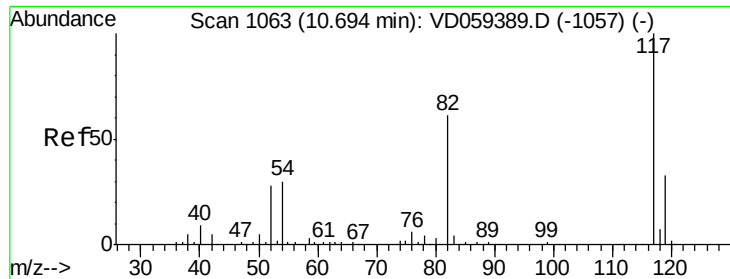
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059427.D
Acq: 26 Jun 2018 16:52

Tgt Ion: 95 Resp: 204727
Ion Ratio Lower Upper
95 100
174 83.4 0.0 190.4
176 83.3 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

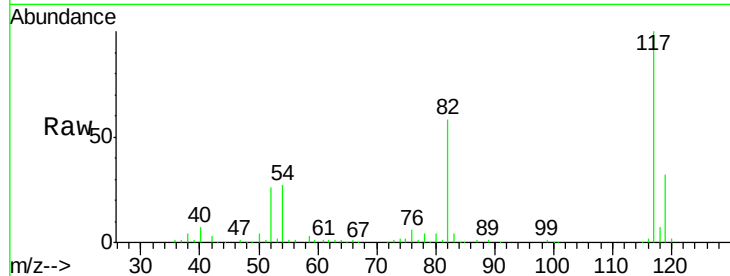




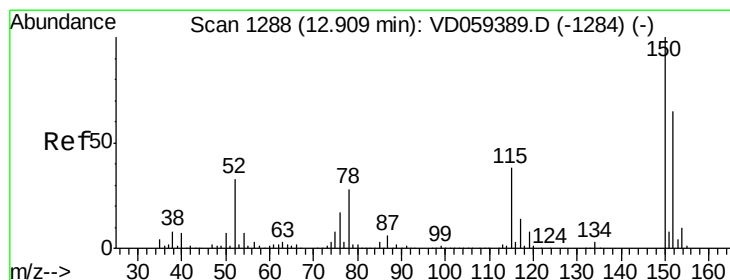
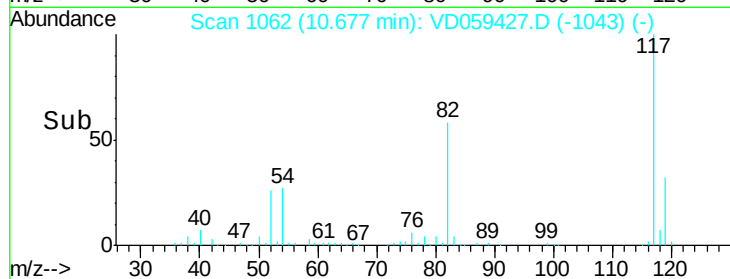
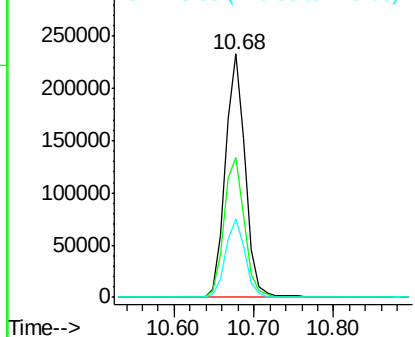
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059427.D
Acq: 26 Jun 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 409315
Ion Ratio Lower Upper
117 100
82 57.6 49.0 73.6
119 32.0 26.2 39.4

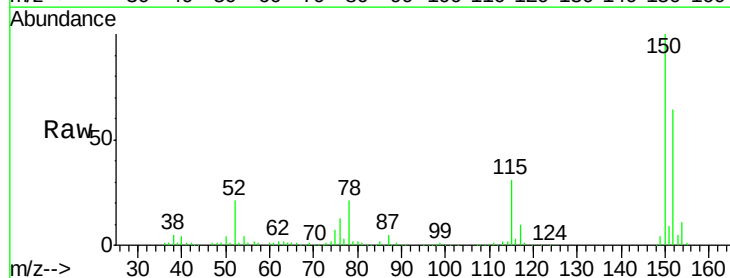


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

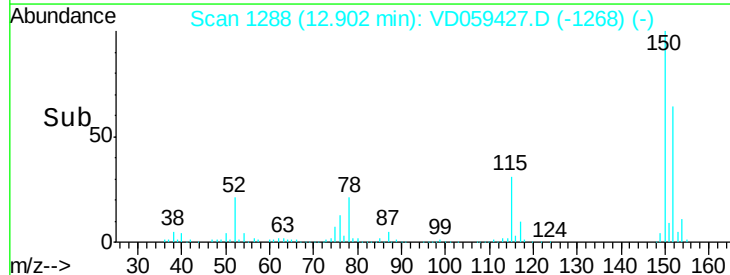
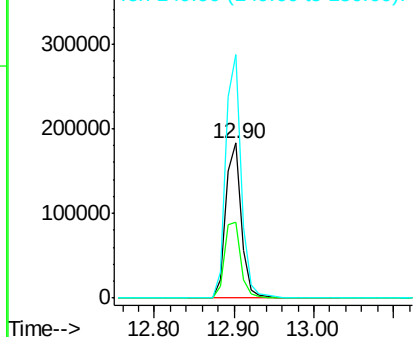


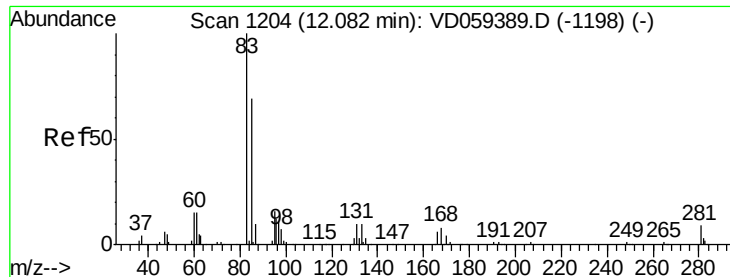
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059427.D
Acq: 26 Jun 2018 16:52

Tgt Ion:152 Resp: 254810
Ion Ratio Lower Upper
152 100
115 49.0 29.4 88.3
150 157.0 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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.062 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059427.D

Acq: 26 Jun 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

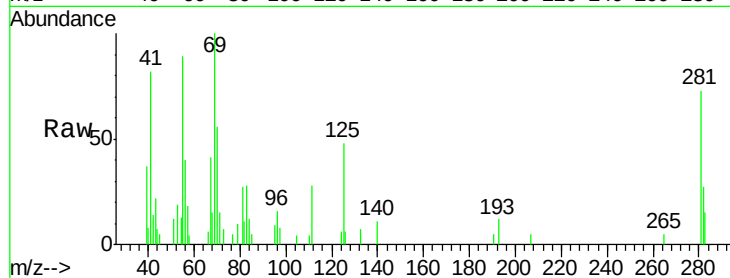
Tot Ion: 83 Resp: 3583

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

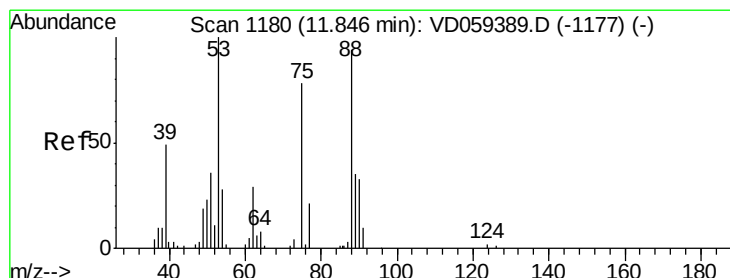
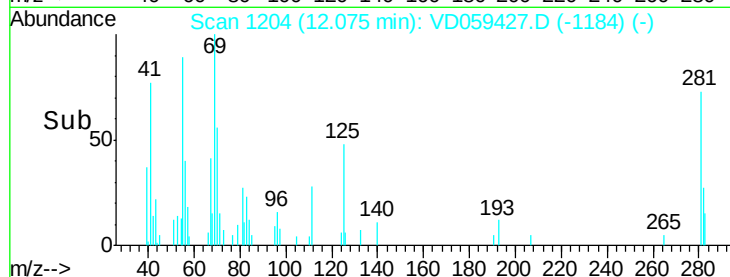
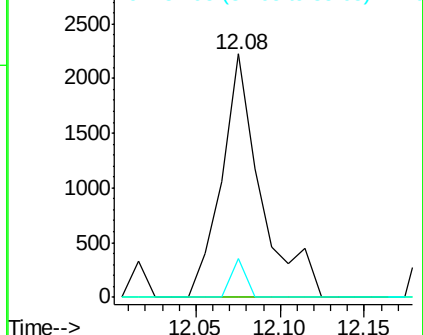
85 16.0 34.6 103.8#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 118.739 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059427.D

Acq: 26 Jun 2018 16:52

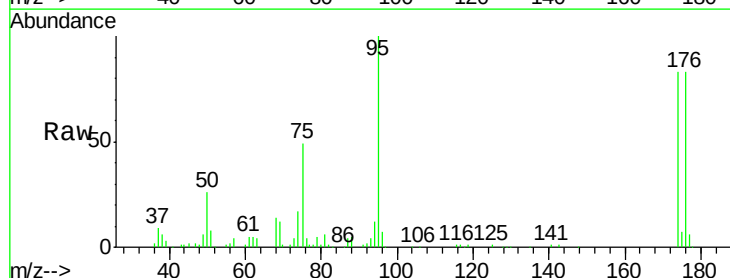
Tgt Ion: 75 Resp: 94856

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

