

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059425.D
 Acq On : 26 Jun 2018 15:56
 Operator : VA/AP
 Sample : J3241-13
 Misc : 6.13g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:51:37 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	712156	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	884343	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	323754	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	201475	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	318850	43.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	87.56%	
35) Dibromofluoromethane	5.54	113	313946	43.58	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.16%	
50) Toluene-d8	8.69	98	221064	13.13	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	26.26%	
62) 4-Bromofluorobenzene	11.92	95	171947	24.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	49.10%	

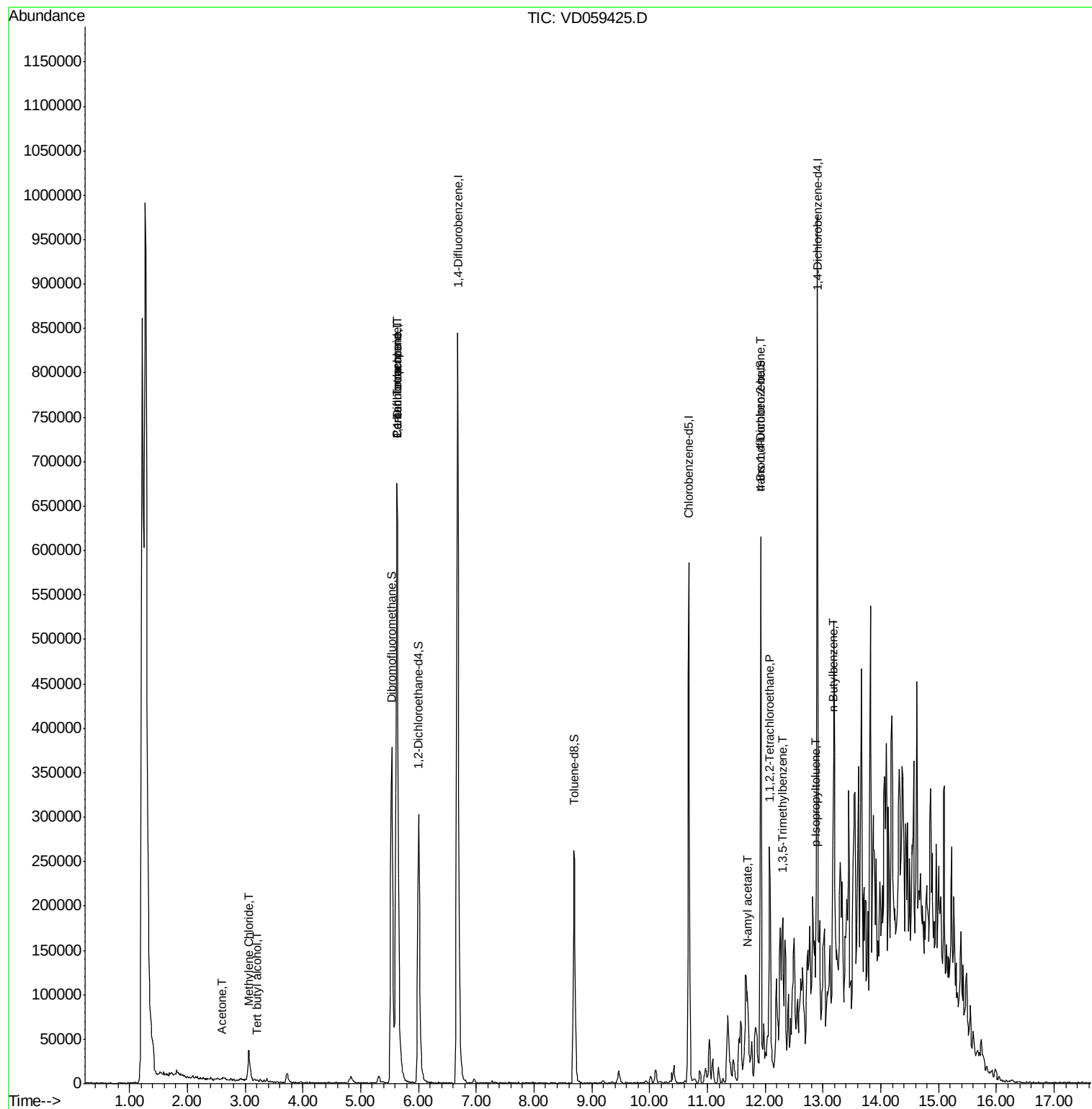
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.80	94	184	Below Cal	#	4
11) Tert butyl alcohol	3.22	59	439	1.742	ug/l #	72
16) Acetone	2.59	43	4559	4.960	ug/l	93
18) Methyl Acetate	2.93	43	4183	Below Cal	#	66
20) Methylene Chloride	3.07	84	17632	4.654	ug/l	98
31) Cyclohexane	5.64	56	17545	Below Cal	#	27
36) 1,1-Dichloropropene	5.63	75	56444	7.036	ug/l #	53
38) Carbon Tetrachloride	5.64	117	59203	7.158	ug/l #	15
74) N-amyl acetate	11.70	43	32689	7.557	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.07	83	16644	6.240	ug/l #	36
80) 1,3,5-Trimethylbenzene	12.31	105	13752	1.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	80940	128.141	ug/l #	1
86) p-Isopropyltoluene	12.87	119	15374	1.614	ug/l	95
89) n-Butylbenzene	13.17	91	19486	2.073	ug/l #	1

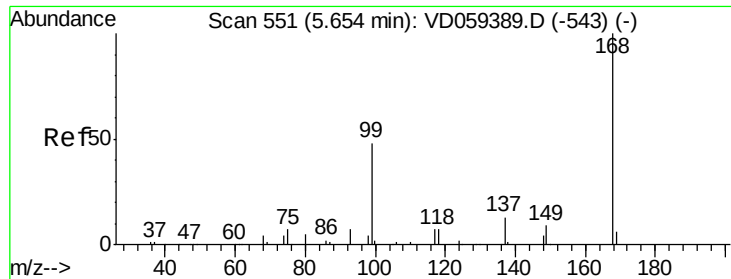
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
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: VD059425.D

Acq: 26 Jun 2018 15:56

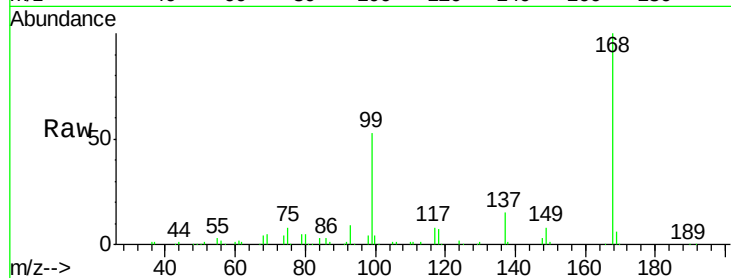
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 712156

Ion Ratio Lower Upper

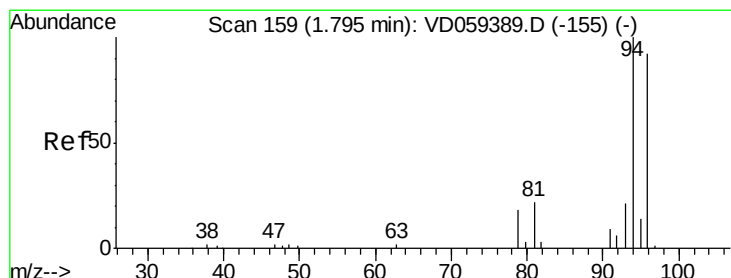
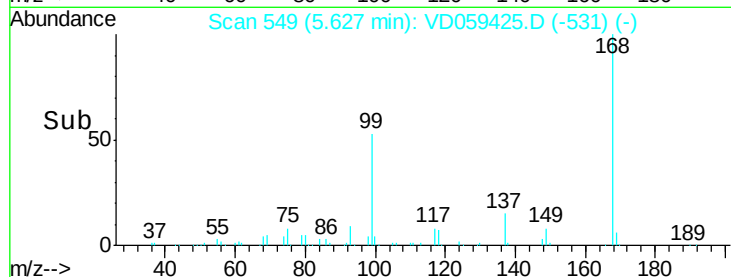
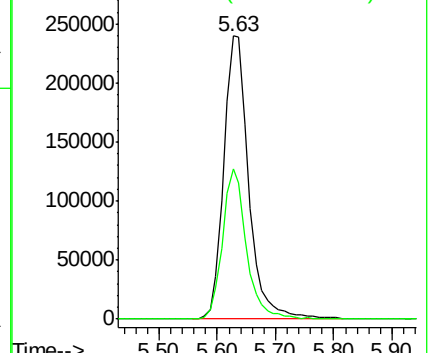
168 100

99 52.9 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: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059425.D

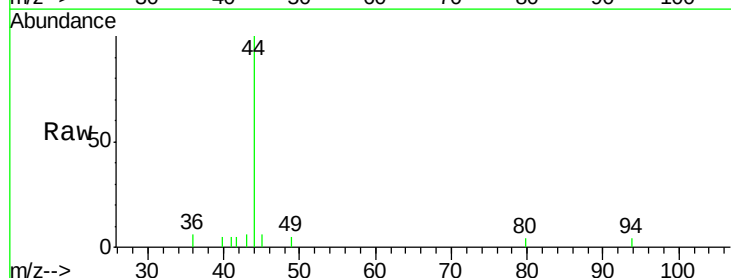
Acq: 26 Jun 2018 15:56

Tgt Ion: 94 Resp: 184

Ion Ratio Lower Upper

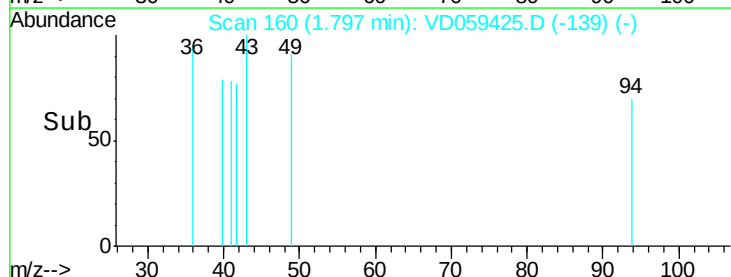
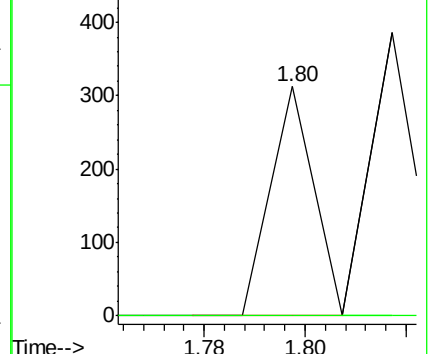
94 100

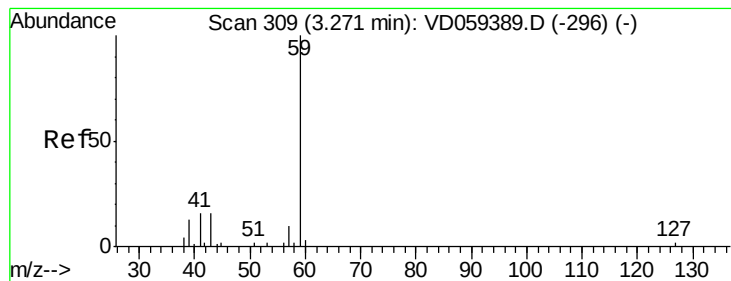
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



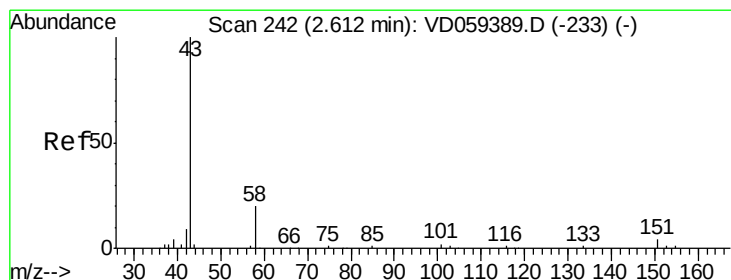
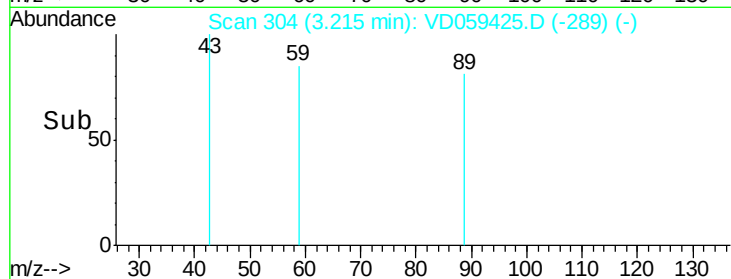
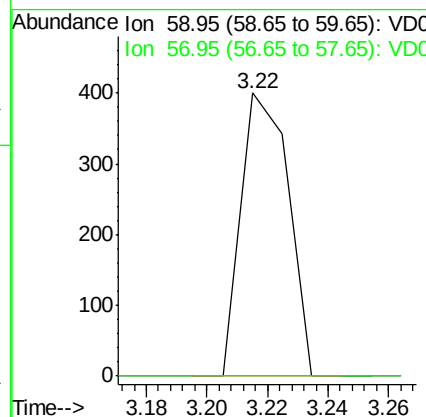
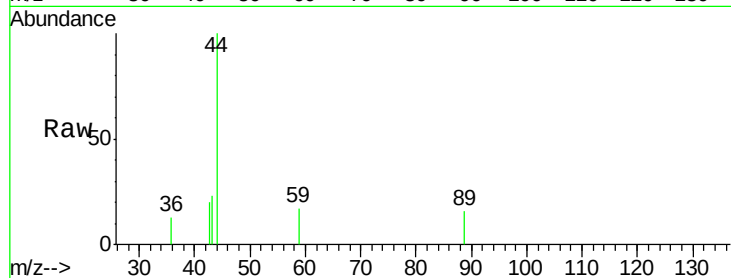


#11

Tert butyl alcohol
 Concen: 1.742 ug/l
 RT: 3.22 min Scan# 304
 Delta R.T. -0.06 min
 Lab File: VD059425.D
 Acq: 26 Jun 2018 15:56

Instrument :
 MSVOA_D
 ClientSampled :

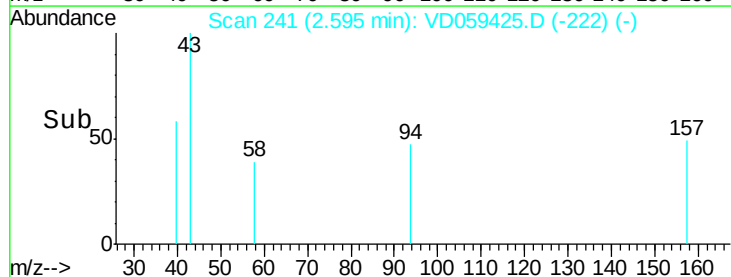
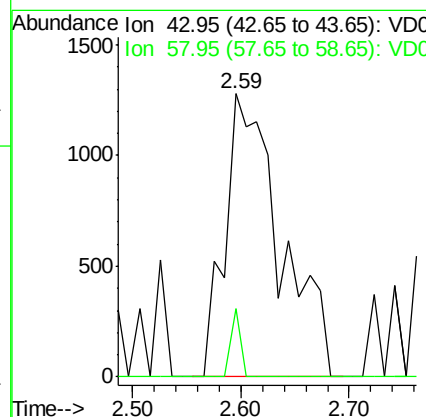
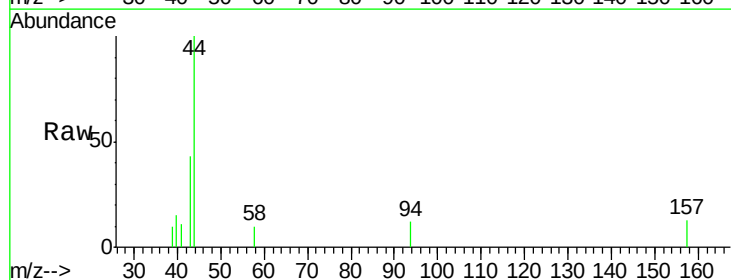
Tot Ion: 59 Resp: 439
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

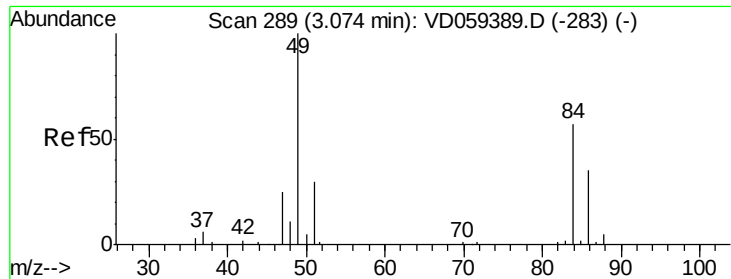


#16

Acetone
 Concen: 4.960 ug/l
 RT: 2.59 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD059425.D
 Acq: 26 Jun 2018 15:56

Tgt Ion: 43 Resp: 4559
 Ion Ratio Lower Upper
 43 100
 58 24.2 16.8 25.2

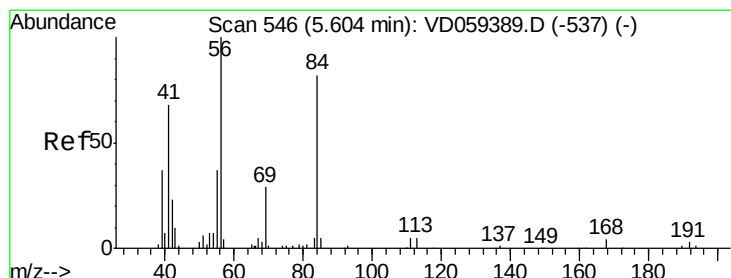
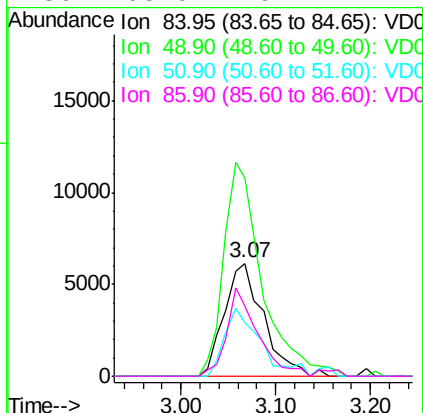
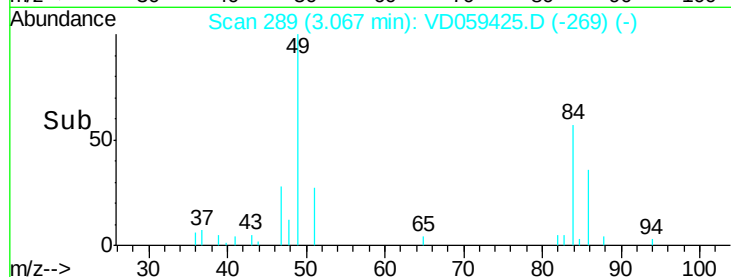
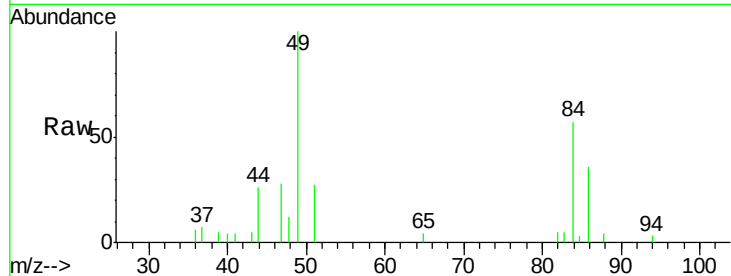




#20
Methylene Chloride
Concen: 4.654 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059425.D
Acq: 26 Jun 2018 15:56

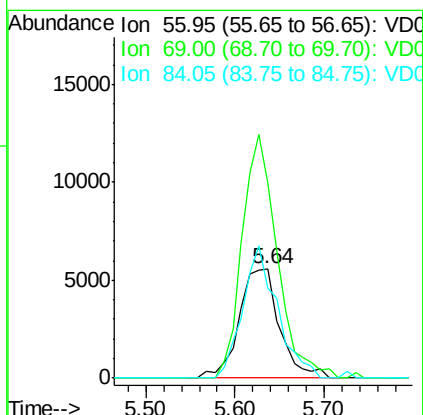
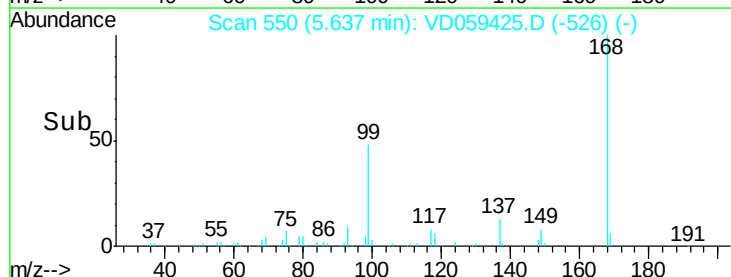
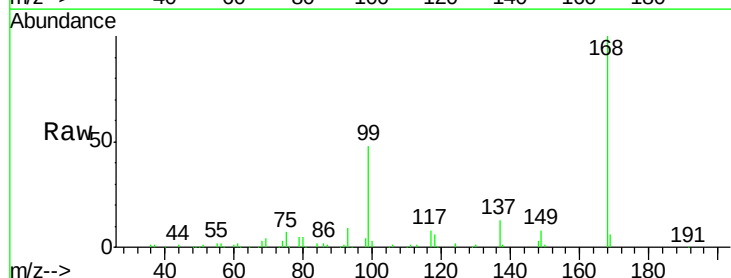
Instrument :
MSVOA_D
ClientSampled :

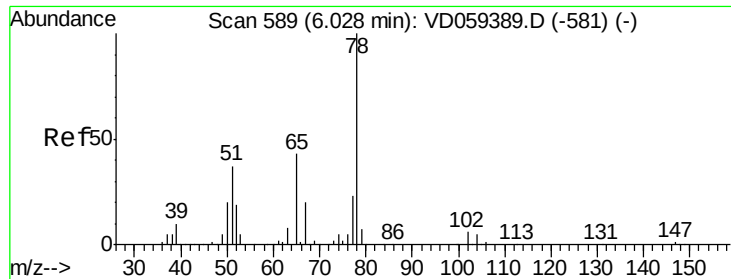
Tot Ion:	84	Resp:	17632
Ion	Ratio	Lower	Upper
84	100		
49	176.5	140.3	210.5
51	47.3	41.6	62.4
86	63.0	49.4	74.2



#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.03 min
Lab File: VD059425.D
Acq: 26 Jun 2018 15:56

Tgt Ion:	56	Resp:	17545
Ion	Ratio	Lower	Upper
56	100		
69	177.2	22.9	34.3#
84	81.7	67.3	100.9

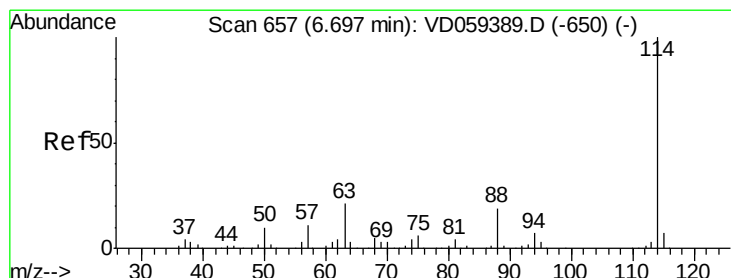
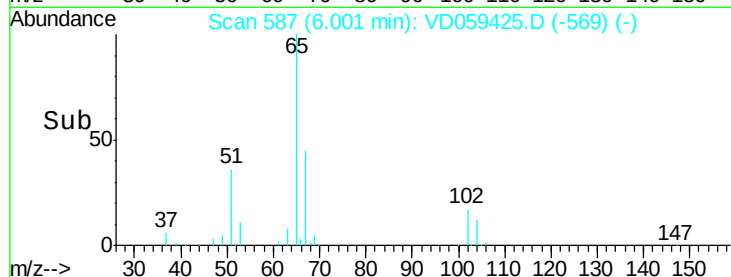
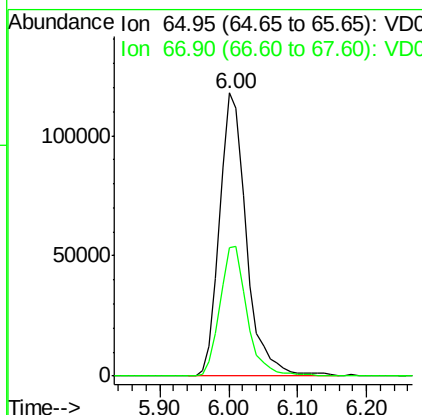
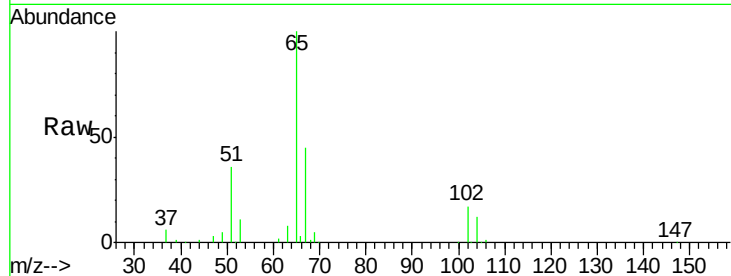




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VD059425.D
 Acq: 26 Jun 2018 15:56

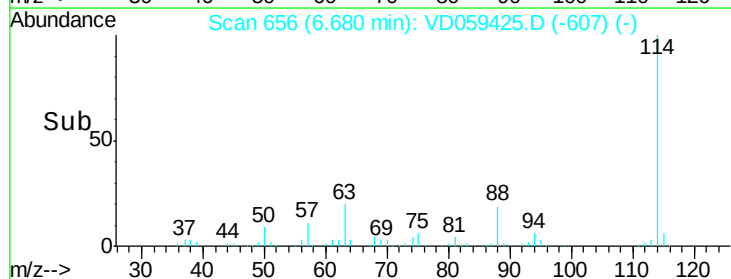
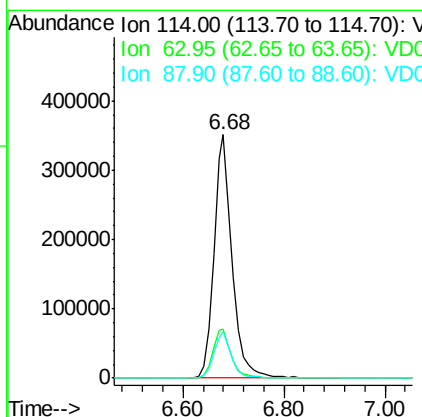
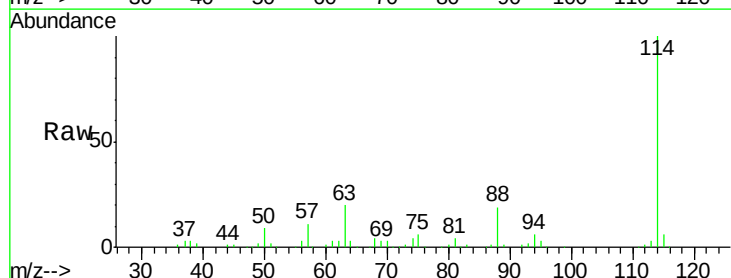
Instrument :
 MSVOA_D
 ClientSampled :

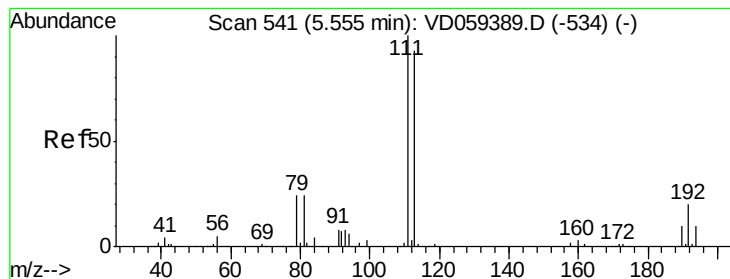
Tot Ion: 65 Resp: 318850
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059425.D
 Acq: 26 Jun 2018 15:56

Tgt Ion:114 Resp: 884343
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 19.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

Instrument :

MSVOA_D

ClientSampled :

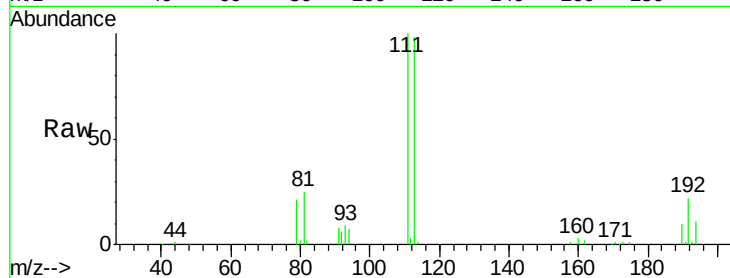
Tot Ion:113 Resp: 313946

Ion Ratio Lower Upper

113 100

111 101.6 85.7 128.5

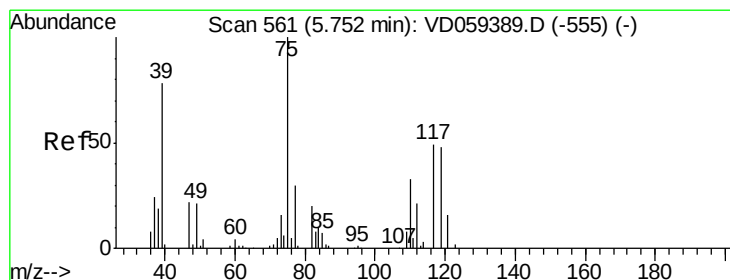
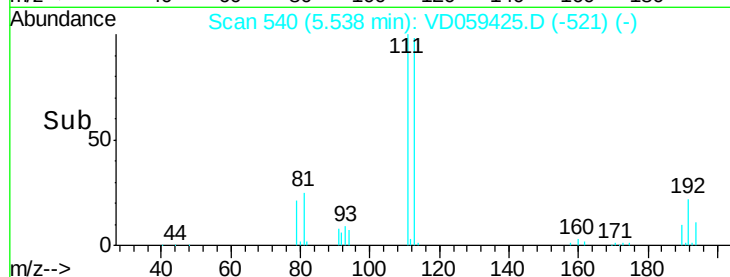
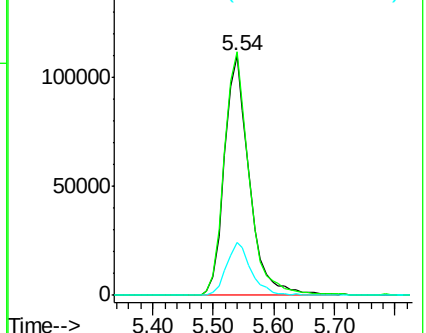
192 22.3 16.9 25.3



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: 7.036 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

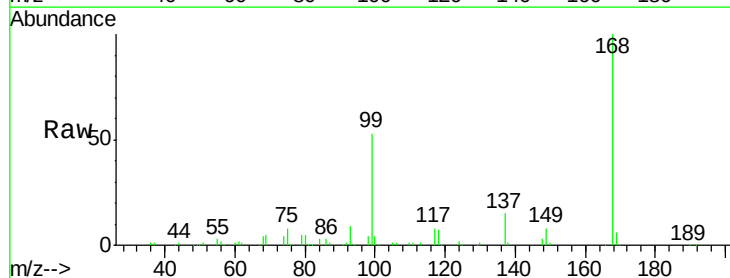
Tgt Ion: 75 Resp: 56444

Ion Ratio Lower Upper

75 100

110 9.5 16.1 48.2#

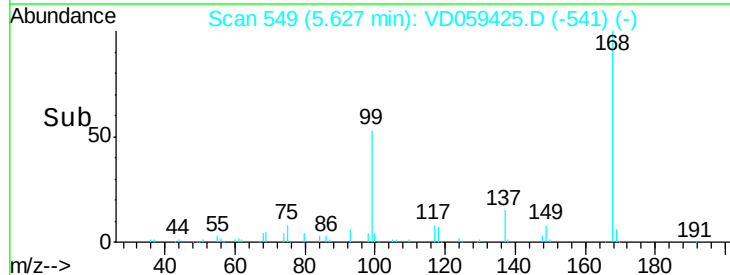
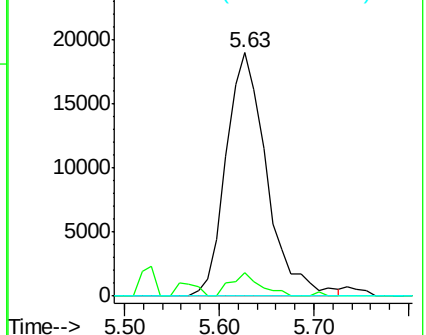
77 0.0 23.4 35.2#

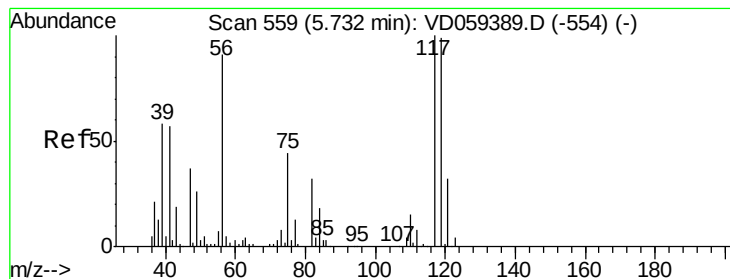


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 7.158 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.10 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

Instrument :

MSVOA_D

ClientSampled :

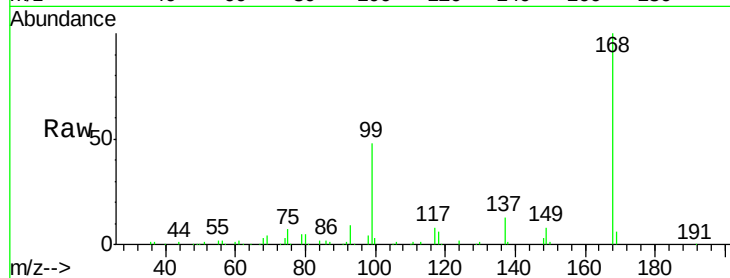
Tot Ion:117 Resp: 59203

Ion Ratio Lower Upper

117 100

119 4.2 76.6 115.0#

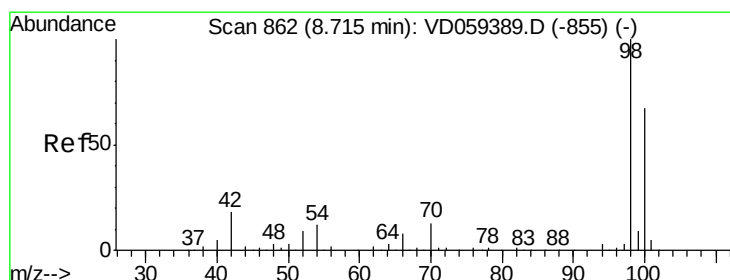
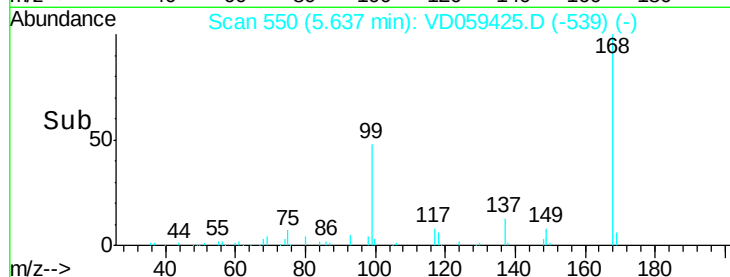
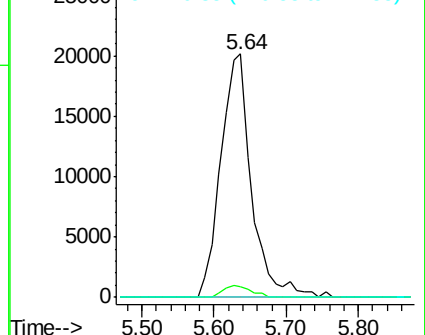
121 0.0 25.0 37.4#



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: 8.69 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059425.D

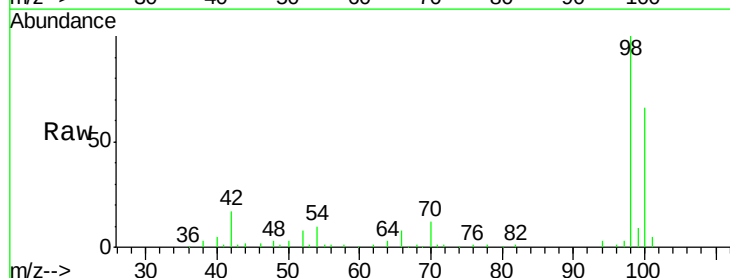
Acq: 26 Jun 2018 15:56

Tgt Ion: 98 Resp: 221064

Ion Ratio Lower Upper

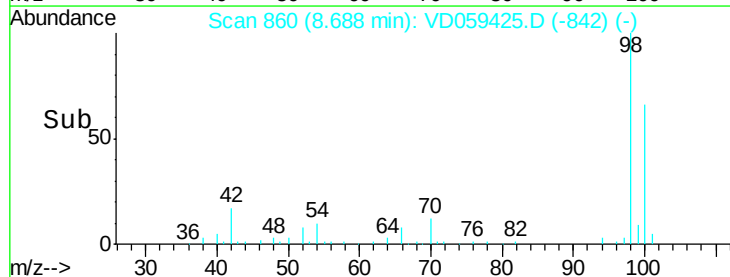
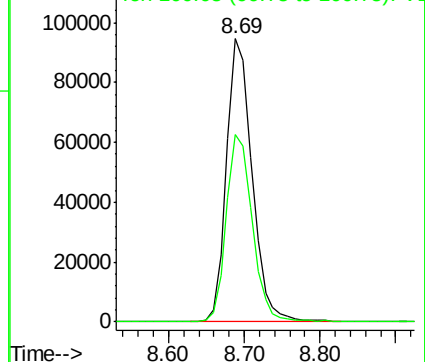
98 100

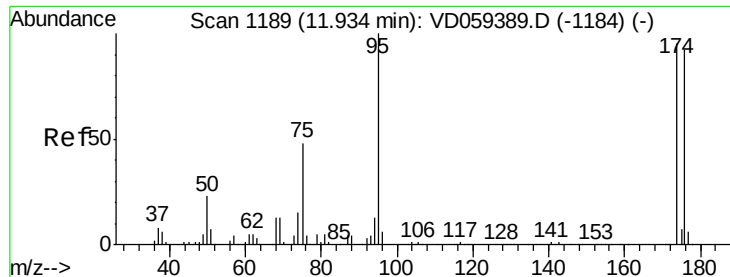
100 66.1 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

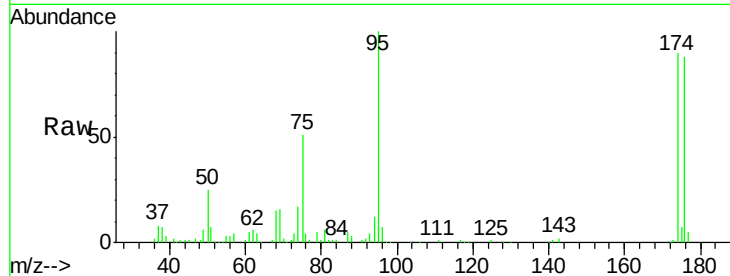




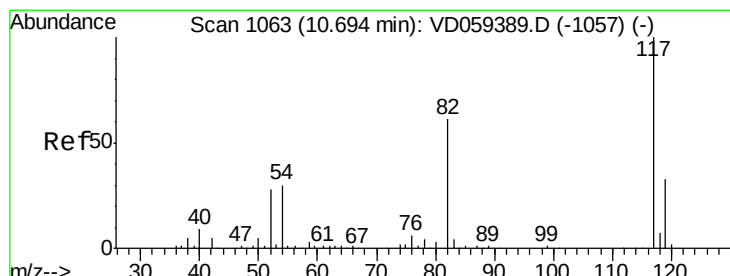
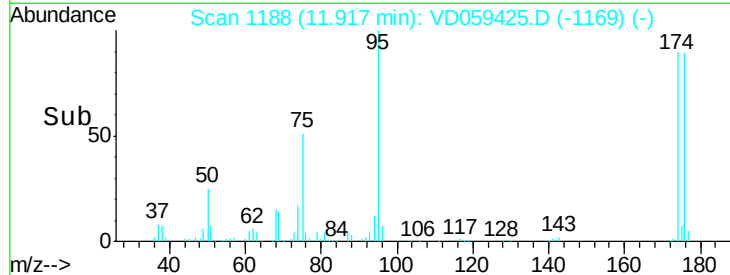
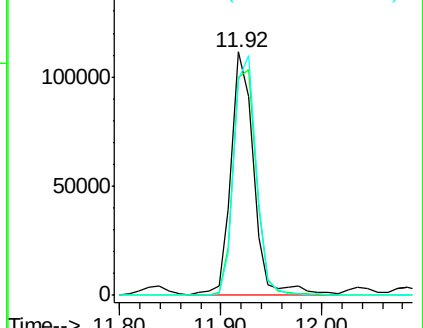
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059425.D
Acq: 26 Jun 2018 15:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 171947
Ion Ratio Lower Upper
95 100
174 89.7 0.0 190.4
176 88.3 0.0 183.2

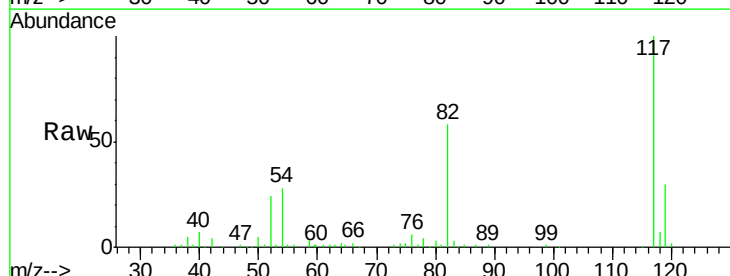


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

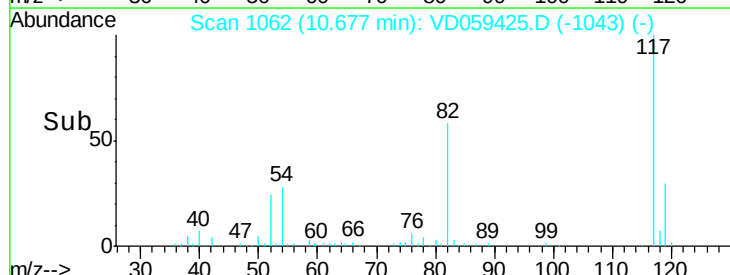
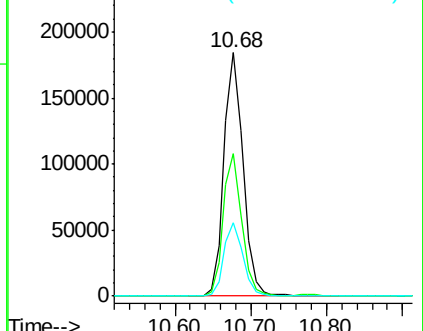


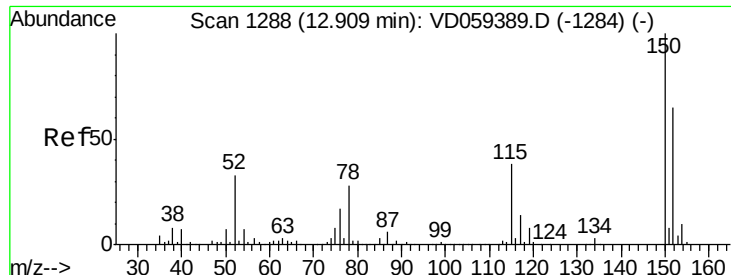
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059425.D
Acq: 26 Jun 2018 15:56

Tgt Ion: 117 Resp: 323754
Ion Ratio Lower Upper
117 100
82 58.4 49.0 73.6
119 29.9 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: VD059425.D

Acq: 26 Jun 2018 15:56

Instrument :

MSVOA_D

ClientSampleId :

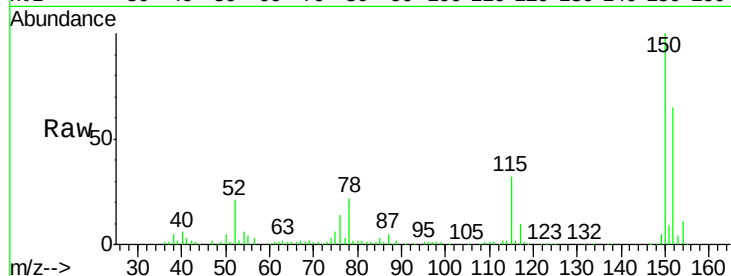
Tot Ion:152 Resp: 201475

Ion Ratio Lower Upper

152 100

115 49.2 29.4 88.3

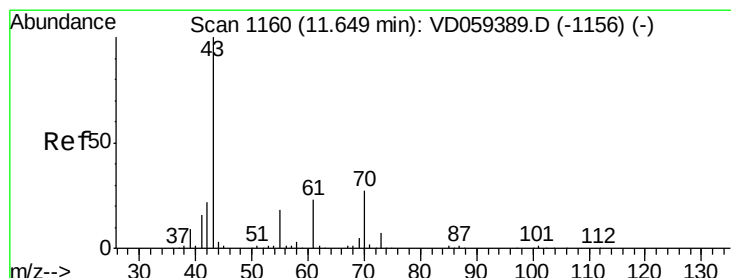
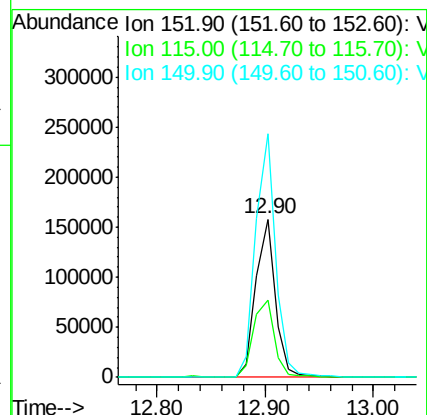
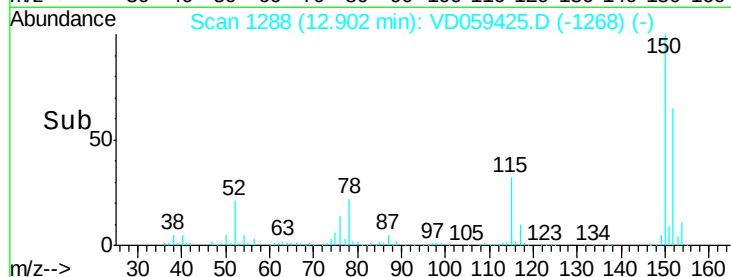
150 153.8 0.0 308.2



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



#74

N-ethyl acetate

Concen: 7.557 ug/l

RT: 11.70 min Scan# 1166

Delta R.T. 0.05 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

Tgt Ion: 43 Resp: 32689

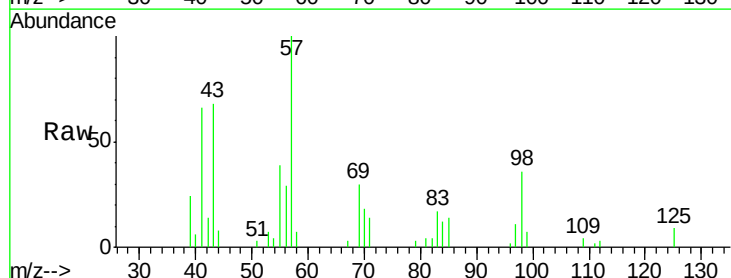
Ion Ratio Lower Upper

43 100

70 26.0 21.7 32.5

55 57.9 14.6 22.0#

61 0.0 18.0 27.0#

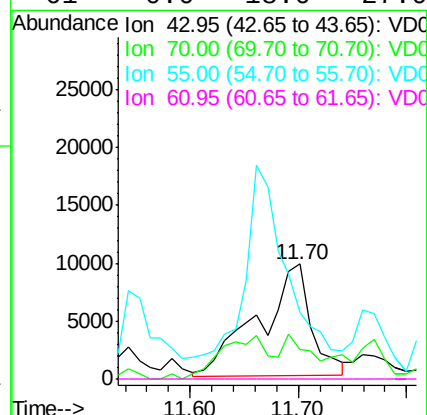
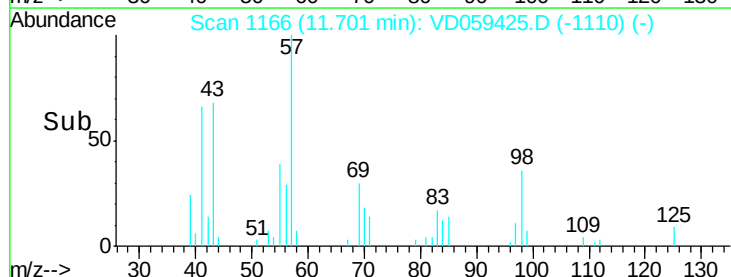


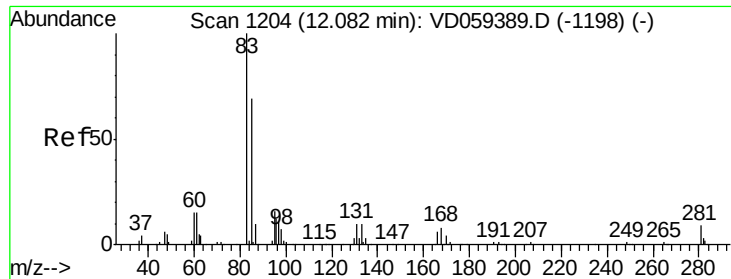
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 6.240 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

Instrument :

MSVOA_D

ClientSampled :

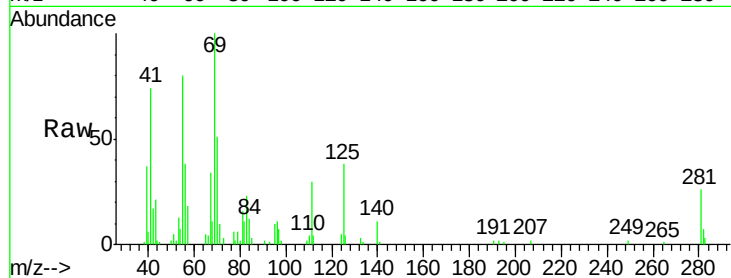
Tot Ion: 83 Resp: 16644

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

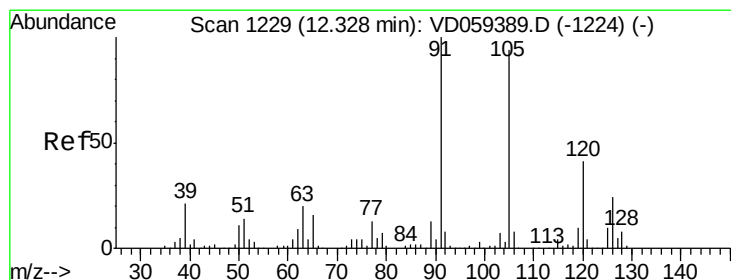
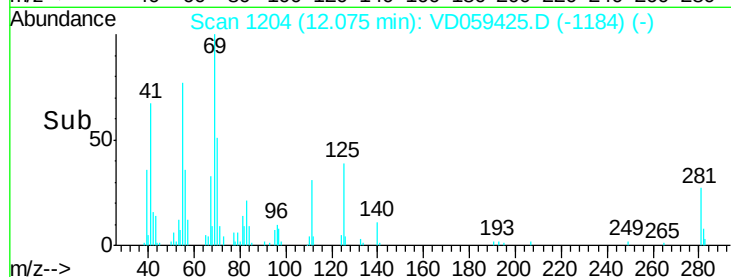
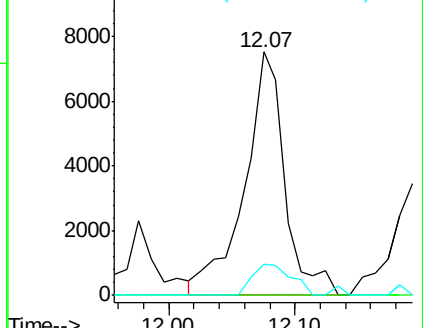
85 12.9 34.6 103.8#



Abundance Ion 82.95 (82.65 to 83.65): V

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): V



#80

1,3,5-Trimethylbenzene

Concen: 1.519 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.02 min

Lab File: VD059425.D

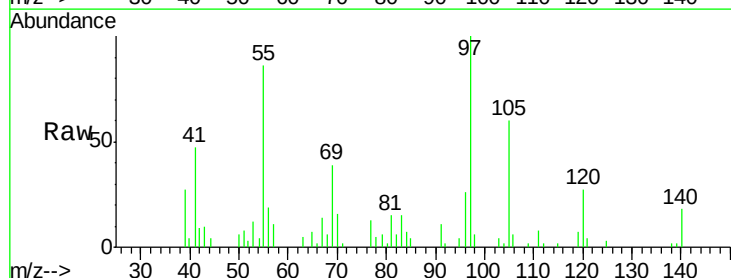
Acq: 26 Jun 2018 15:56

Tgt Ion: 105 Resp: 13752

Ion Ratio Lower Upper

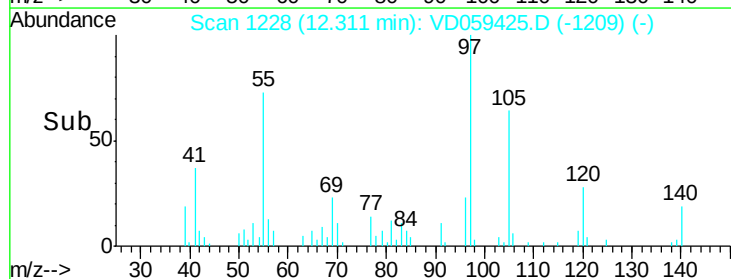
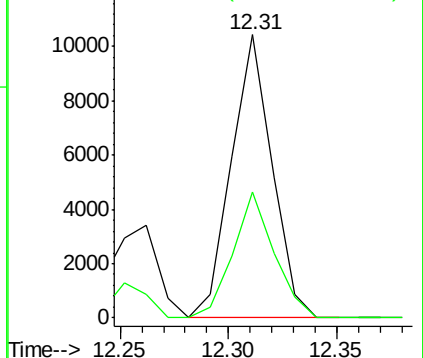
105 100

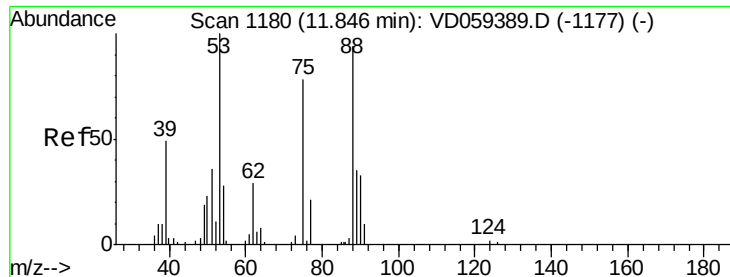
120 44.5 21.9 65.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 128.141 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

Instrument :

MSVOA_D

ClientSampleId :

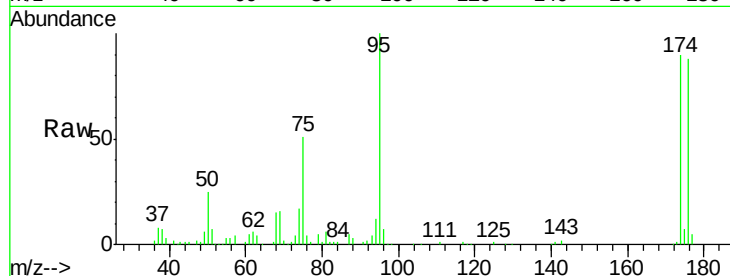
Tot Ion: 75 Resp: 80940

Ion Ratio Lower Upper

75 100

53 0.9 102.6 154.0#

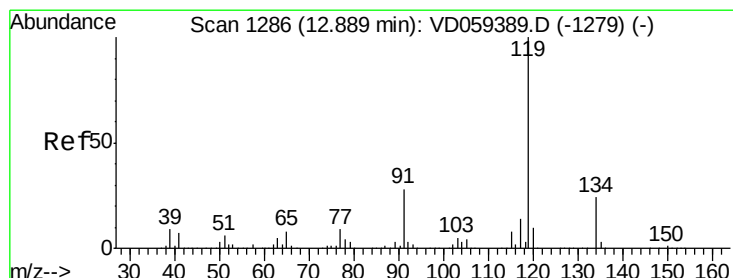
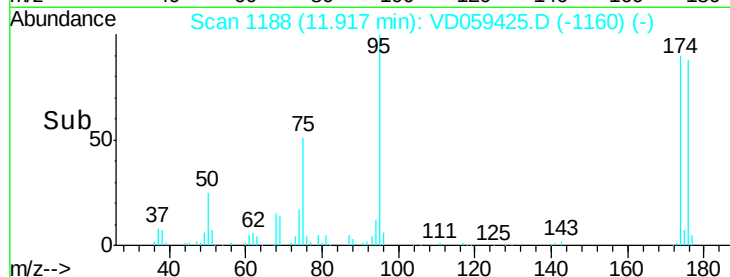
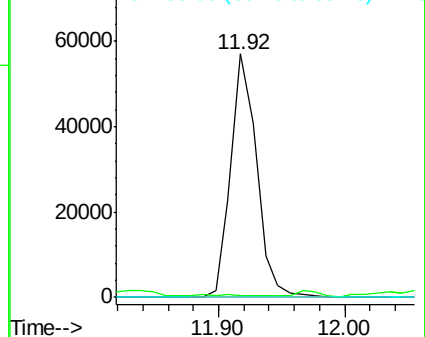
89 0.0 35.9 53.9#



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



#86

p-Isopropyltoluene

Concen: 1.614 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.02 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

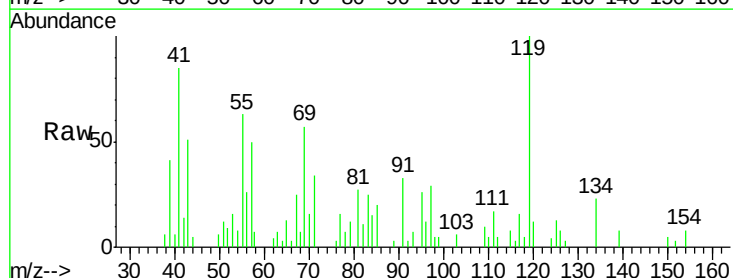
Tgt Ion: 119 Resp: 15374

Ion Ratio Lower Upper

119 100

134 23.4 11.9 35.5

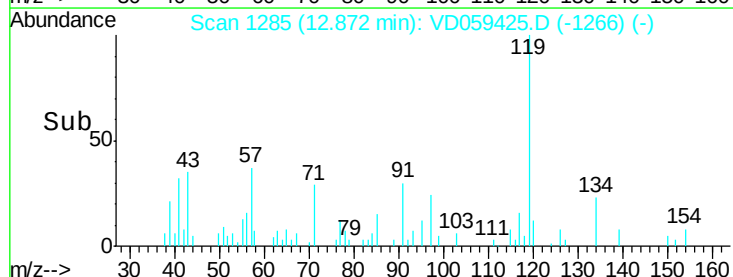
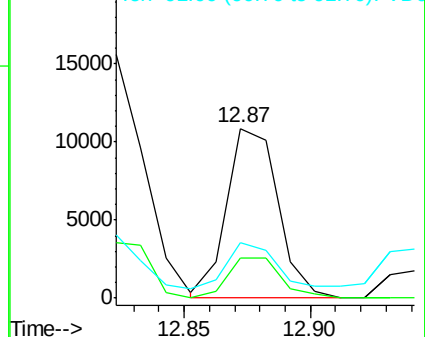
91 33.0 14.1 42.4

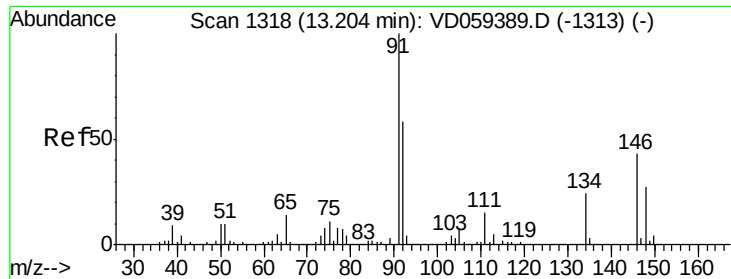


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): VDC





#89

n-Butylbenzene

Concen: 2.073 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.04 min

Lab File: VD059425.D

Acq: 26 Jun 2018 15:56

Instrument :

MSVOA_D

ClientSampleId :

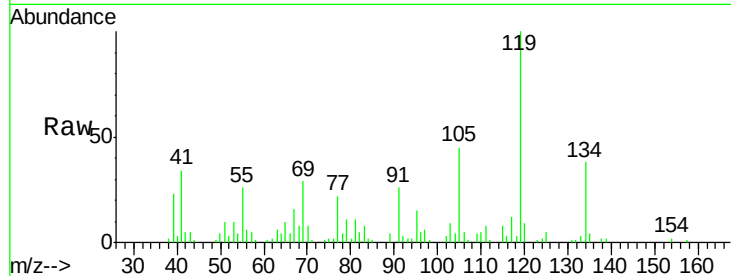
Tot Ion: 91 Resp: 19486

Ion Ratio Lower Upper

91 100

92 11.4 28.8 86.5#

134 149.3 11.9 35.7#



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

