

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059944.D
 Acq On : 4 Sep 2018 14:53
 Operator : JC/SY
 Sample : VD0904SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBL01

Quant Time: Sep 05 03:51:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1199712	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1632865	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1358040	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	708631	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	536555	53.06	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	106.12%	
35) Dibromofluoromethane	6.30	113	662249	51.73	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	103.46%	
50) Toluene-d8	9.44	98	1794658	50.51	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.42	95	709907	49.20	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.40%	

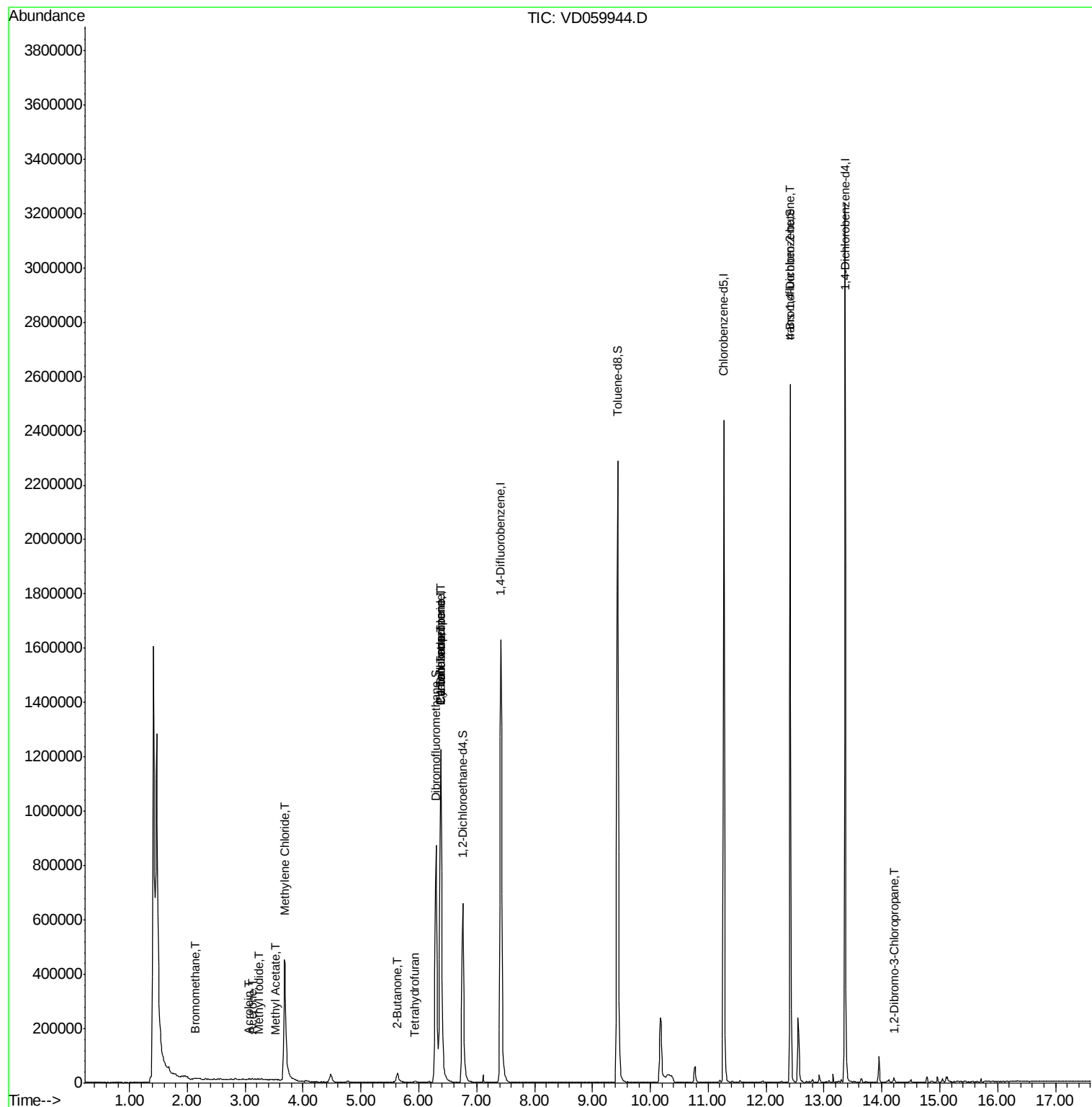
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1832	1.39	ug/l	94
10) Methyl Iodide	3.23	142	2186	3.82	ug/l #	82
13) Acrolein	3.06	56	418	1.25	ug/l	85
16) Acetone	3.13	43	5645	3.06	ug/l	91
18) Methyl Acetate	3.51	43	3976	1.03	ug/l #	66
20) Methylene Chloride	3.69	84	265869	19.34	ug/l	98
25) 2-Butanone	5.62	43	6526	1.20	ug/l #	63
29) Tetrahydrofuran	5.92	42	4953	1.91	ug/l #	63
31) Cyclohexane	6.38	56	25182	1.31	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	86065	5.81	ug/l #	45
38) Carbon Tetrachloride	6.38	117	96485	6.46	ug/l #	14
81) trans-1,4-Dichloro-2-buten	12.42	75	285596	83.36	ug/l #	12
89) n-Butylbenzene	13.64	91	4423	Below Cal		94
92) 1,2-Dibromo-3-Chloropropan	14.20	75	1909	1.19	ug/l #	1

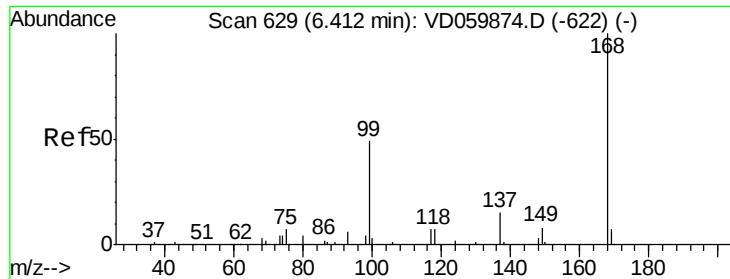
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

MSVOA_D

ClientSampleId :

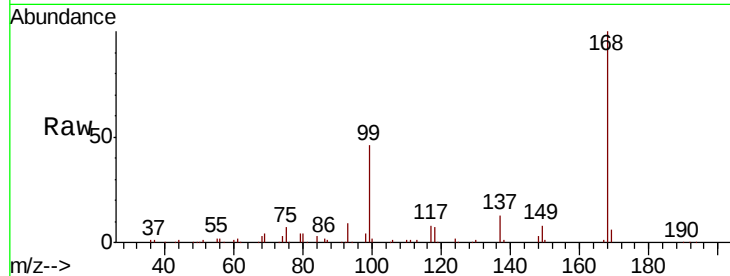
VD0904SBL01

Tot Ion:168 Resp: 1199712

Ion Ratio Lower Upper

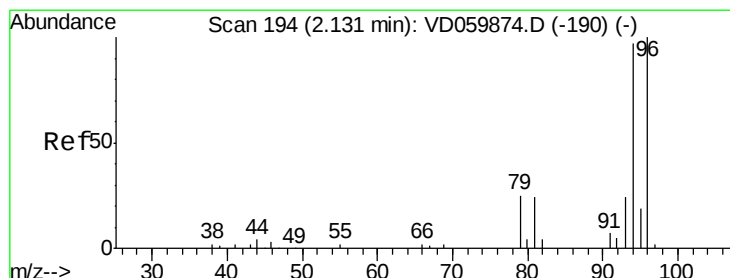
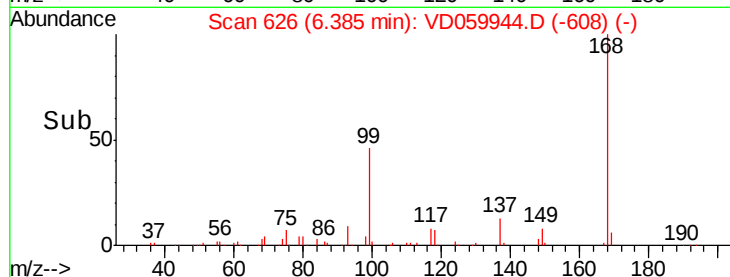
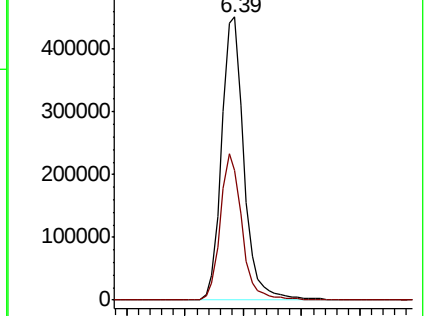
168 100

99 45.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.39 ug/l

RT: 2.14 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD059944.D

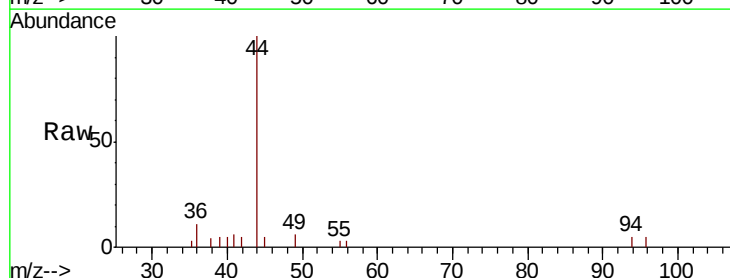
Acq: 4 Sep 2018 14:53

Tgt Ion: 94 Resp: 1832

Ion Ratio Lower Upper

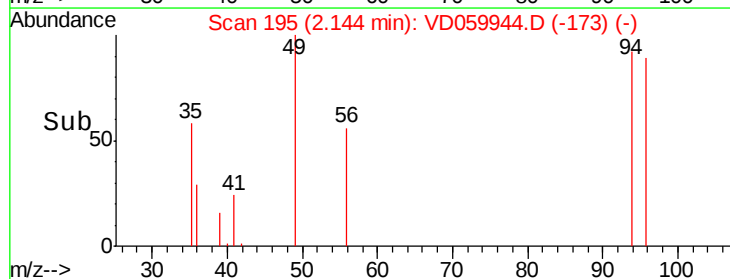
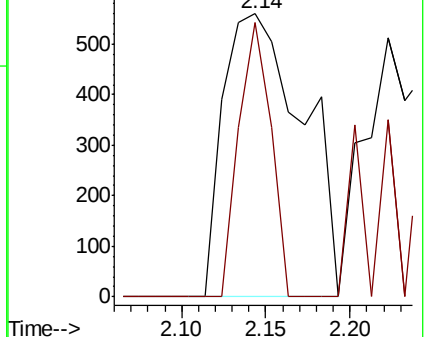
94 100

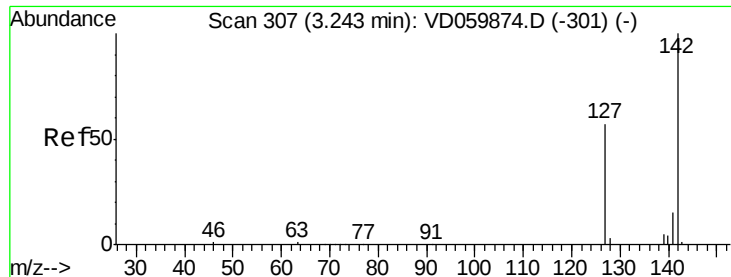
96 96.8 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

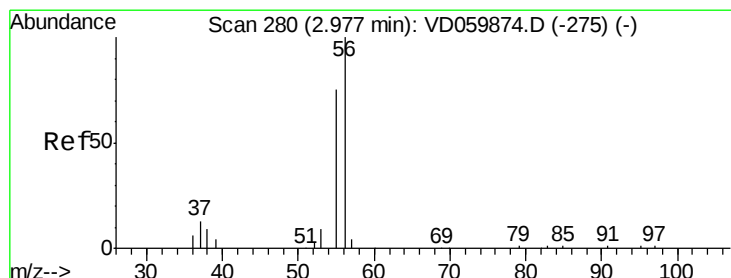
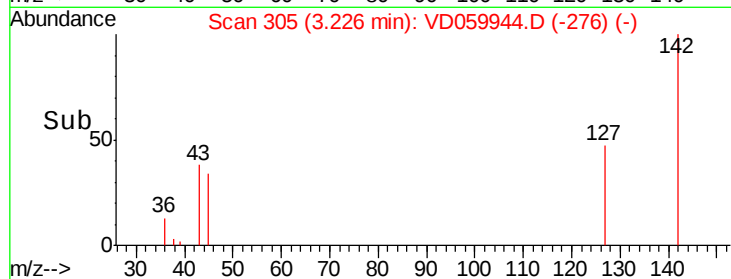
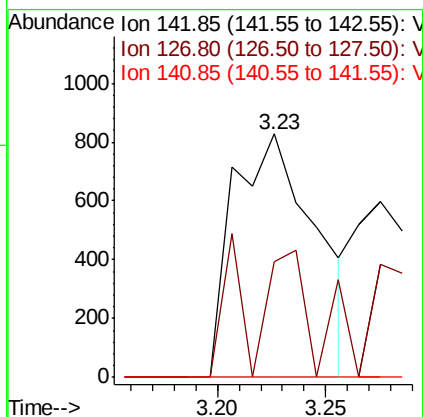
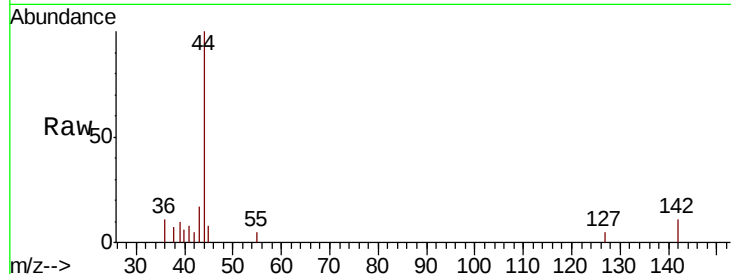




#10
Methvl Iodide
Concen: 3.82 ug/l
RT: 3.23 min Scan# 305
Delta R.T. -0.02 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

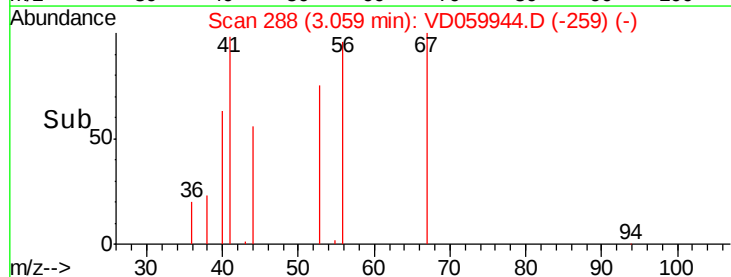
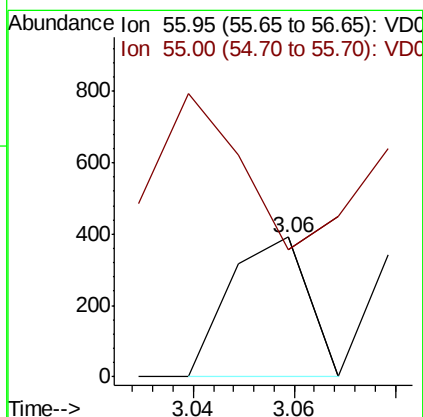
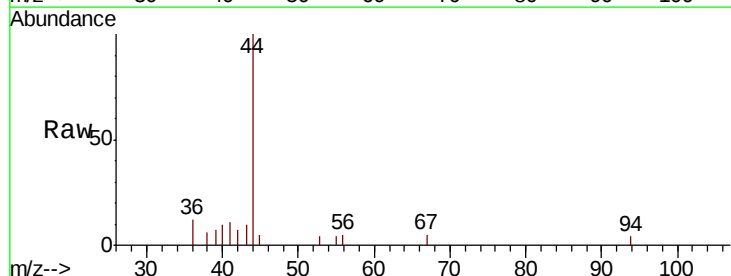
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBL01

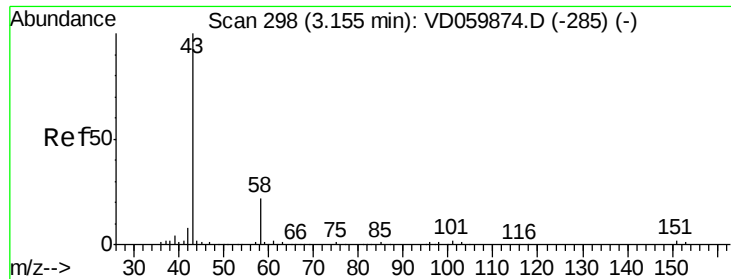
Tot Ion:142 Resp: 2186
Ion Ratio Lower Upper
142 100
127 47.2 45.8 68.6
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 1.25 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.08 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

Tgt Ion: 56 Resp: 418
Ion Ratio Lower Upper
56 100
55 90.8 61.9 92.9





#16

Acetone

Concen: 3.06 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

MSVOA_D

ClientSampleId :

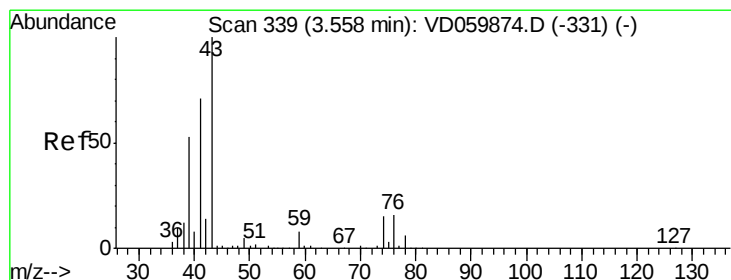
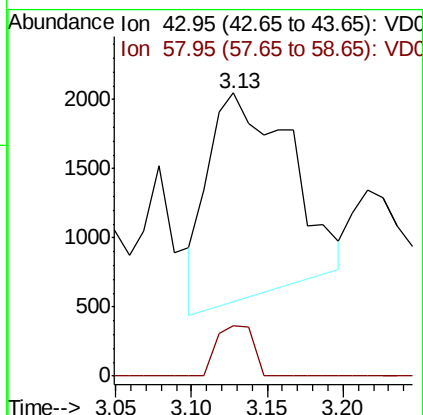
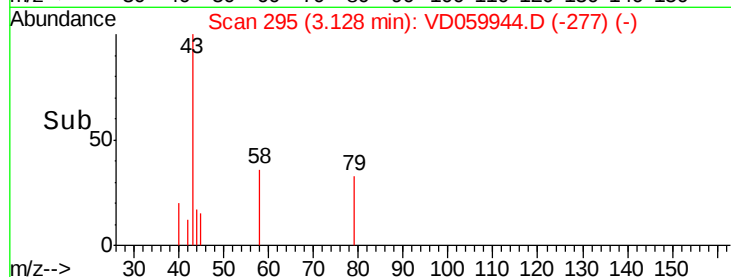
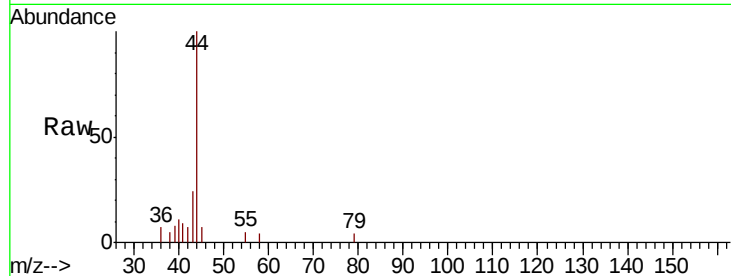
VD0904SBL01

Tot Ion: 43 Resp: 5645

Ion Ratio Lower Upper

43 100

58 17.8 17.6 26.4



#18

Methyl Acetate

Concen: 1.03 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.05 min

Lab File: VD059944.D

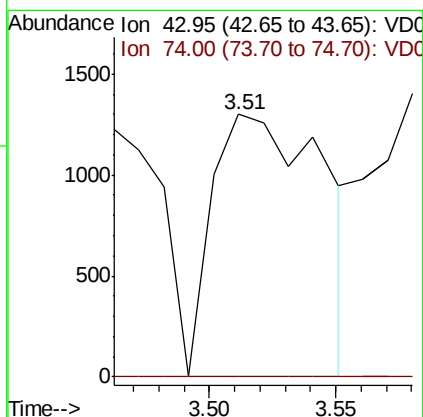
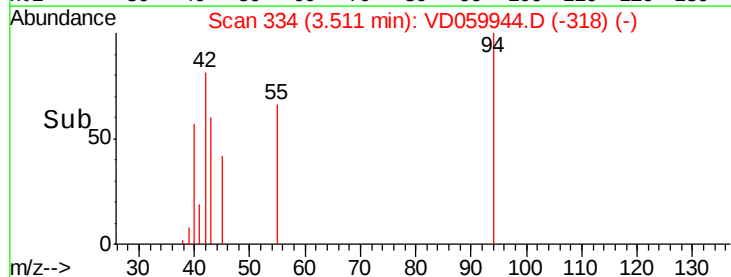
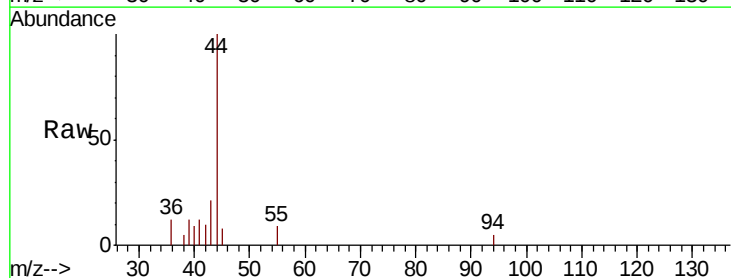
Acq: 4 Sep 2018 14:53

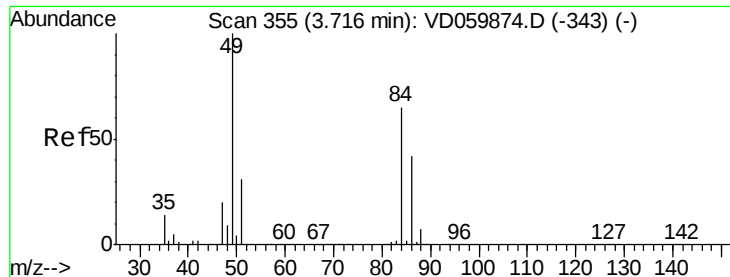
Tgt Ion: 43 Resp: 3976

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#

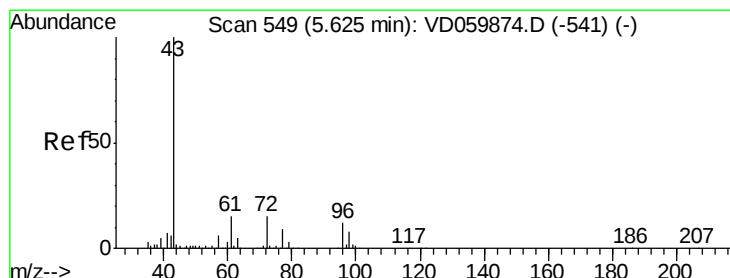
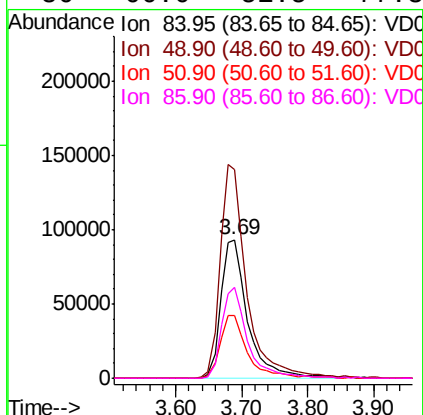
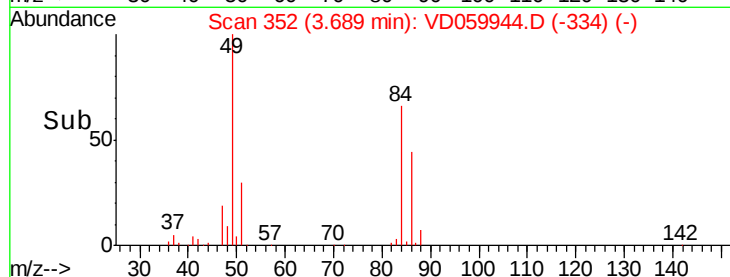
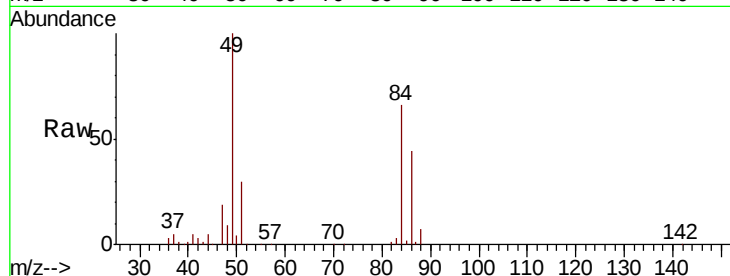




#20
Methvlene Chloride
Concen: 19.34 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.03 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

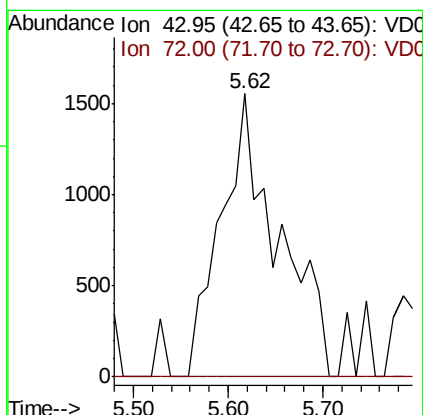
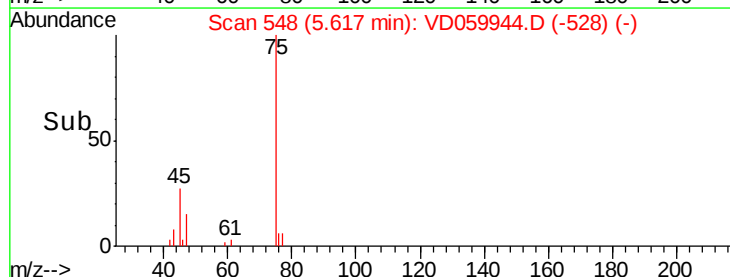
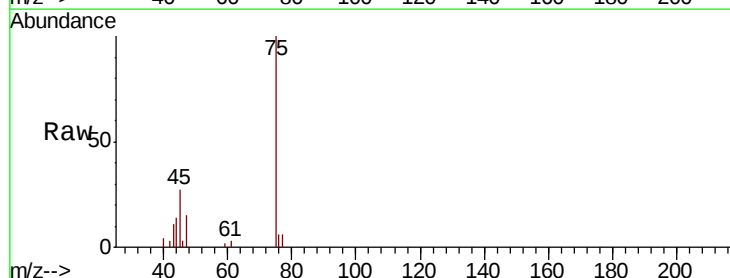
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBL01

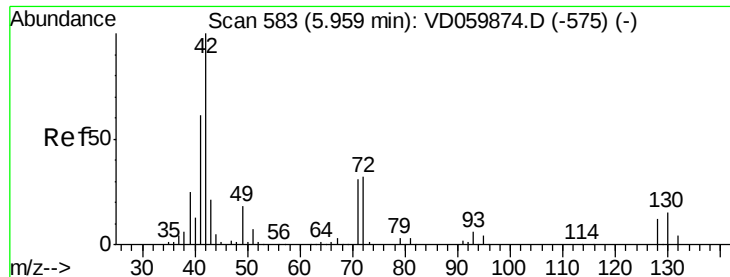
Tot Ion: 84 Resp: 265869
Ion Ratio Lower Upper
84 100
49 151.1 122.6 183.8
51 45.7 38.4 57.6
86 66.0 51.5 77.3



#25
2-Butanone
Concen: 1.20 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.01 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

Tgt Ion: 43 Resp: 6526
Ion Ratio Lower Upper
43 100
72 0.0 12.3 18.5#





#29

Tetrahydrofuran

Concen: 1.91 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBL01

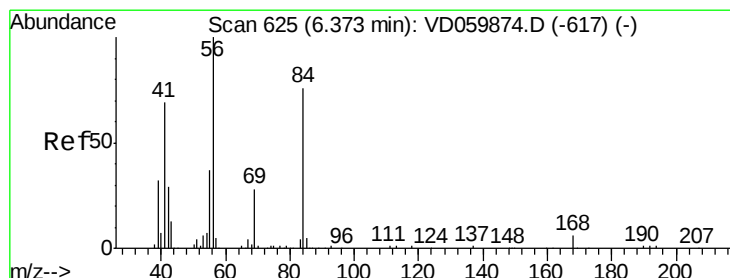
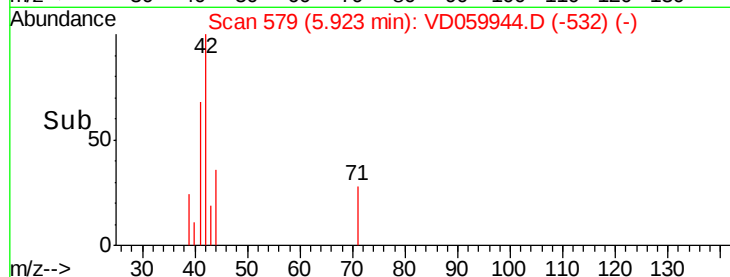
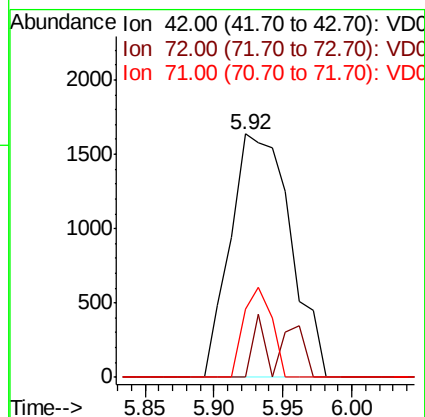
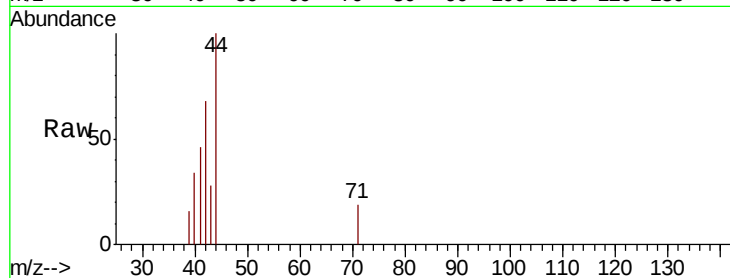
Tot Ion: 42 Resp: 4953

Ion Ratio Lower Upper

42 100

72 5.1 25.7 38.5#

71 17.4 25.3 37.9#



#31

Cyclohexane

Concen: 1.31 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

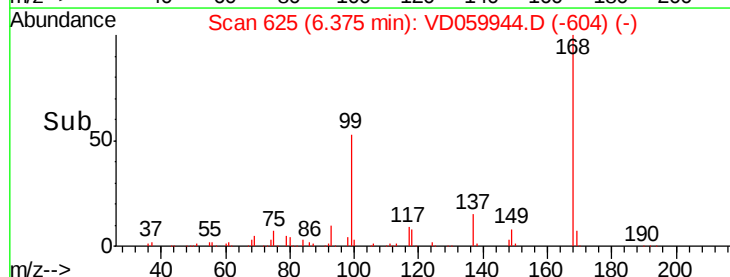
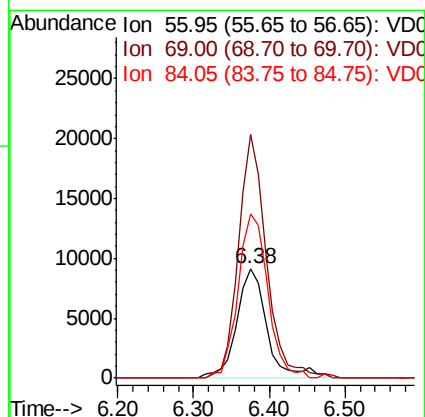
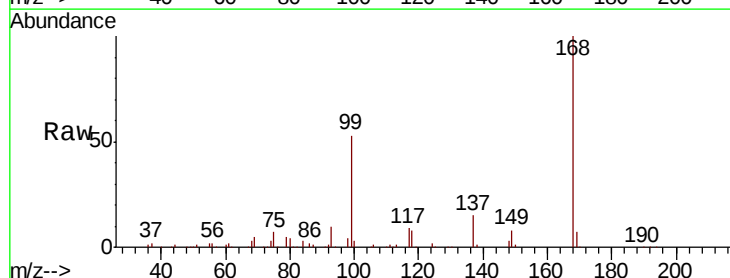
Tgt Ion: 56 Resp: 25182

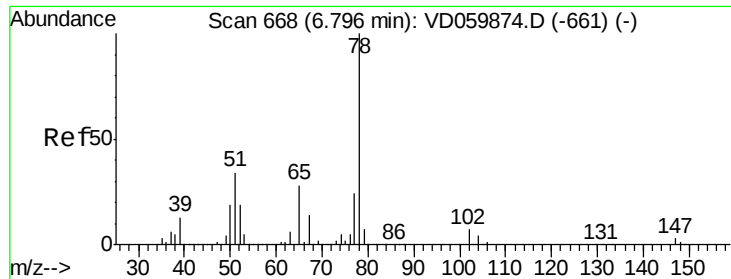
Ion Ratio Lower Upper

56 100

69 223.0 22.4 33.6#

84 150.2 62.1 93.1#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

MSVOA_D

ClientSampleId :

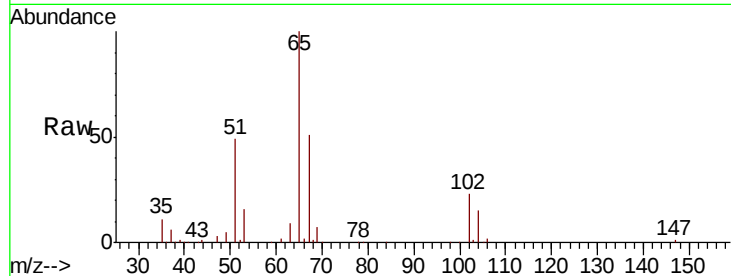
VD0904SBL01

Tot Ion: 65 Resp: 536555

Ion Ratio Lower Upper

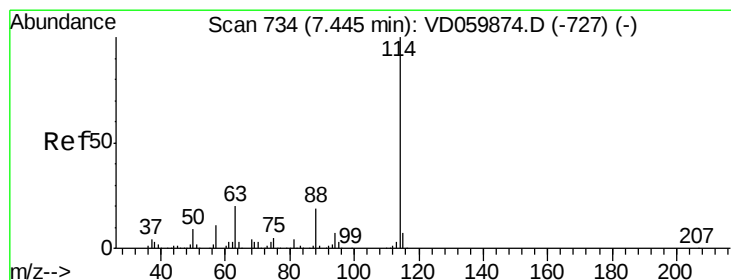
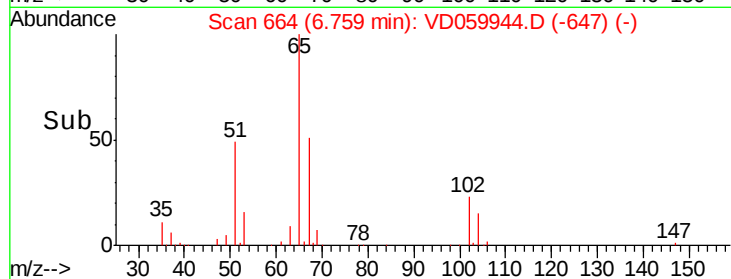
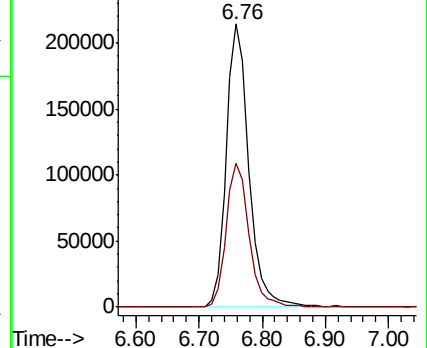
65 100

67 50.7 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

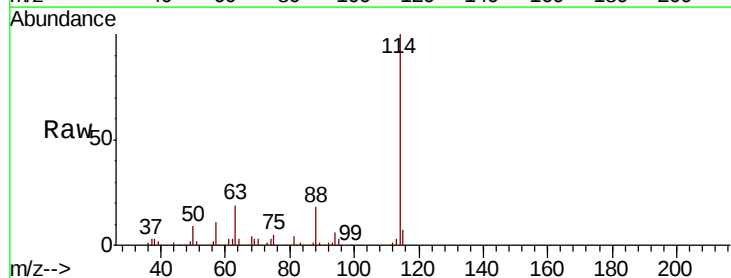
Tgt Ion: 114 Resp: 1632865

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

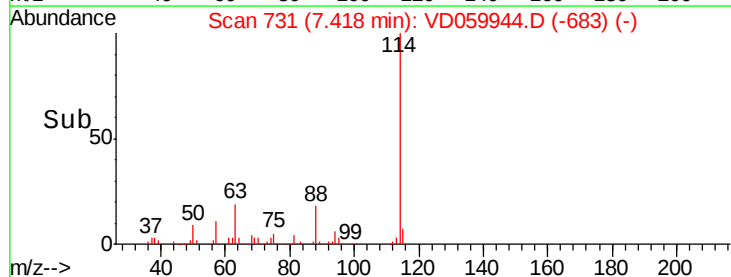
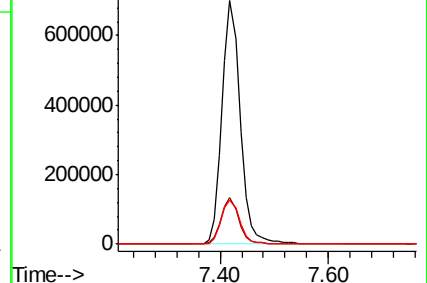
88 18.2 0.0 37.6

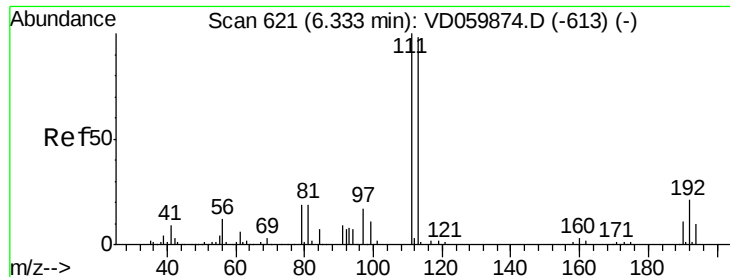


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

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ClientSampleId :

VD0904SBL01

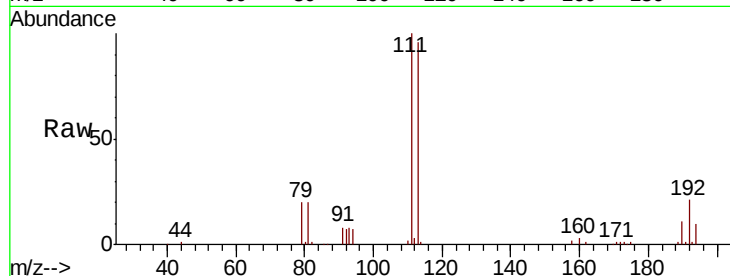
Tot Ion:113 Resp: 662249

Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.2

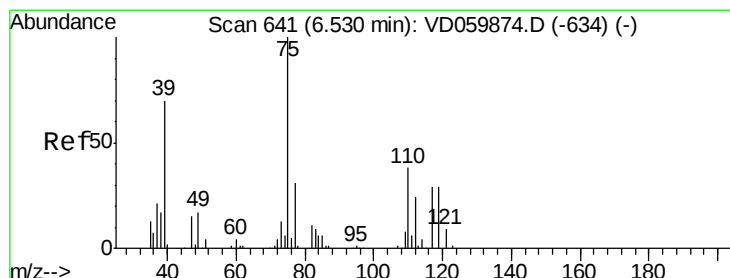
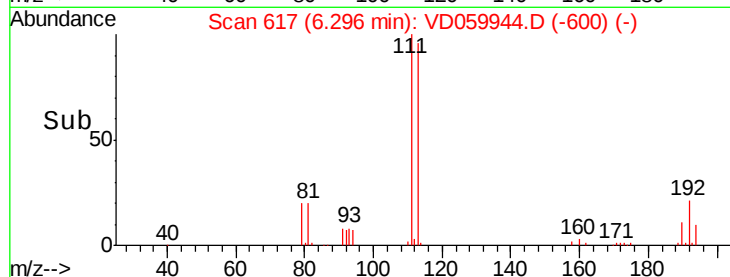
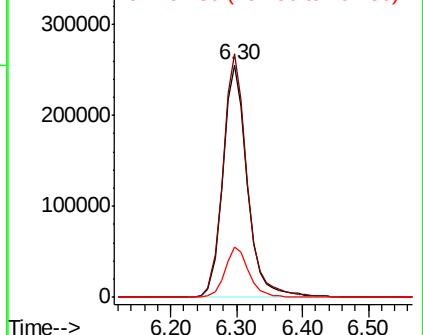
192 21.5 17.0 25.6



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: 5.81 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

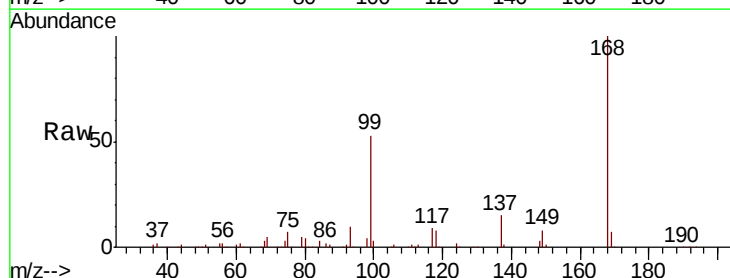
Tgt Ion: 75 Resp: 86065

Ion Ratio Lower Upper

75 100

110 5.4 18.6 56.0#

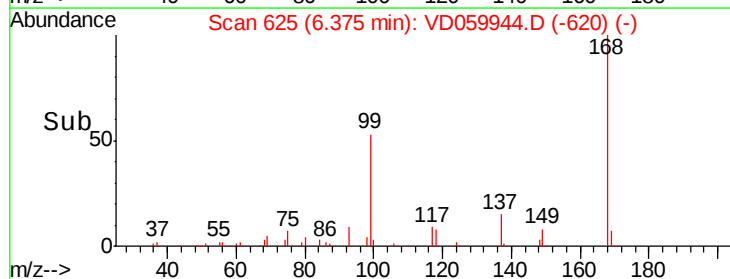
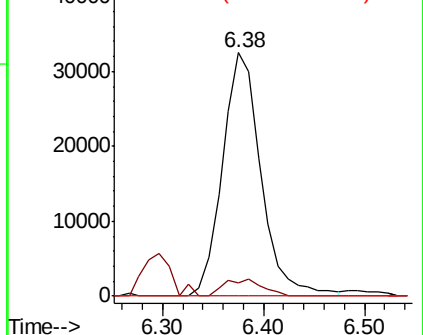
77 0.0 25.1 37.7#

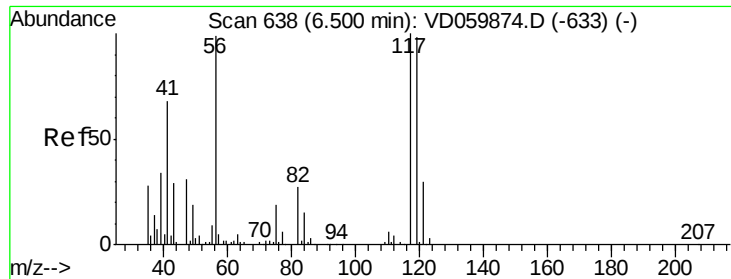


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

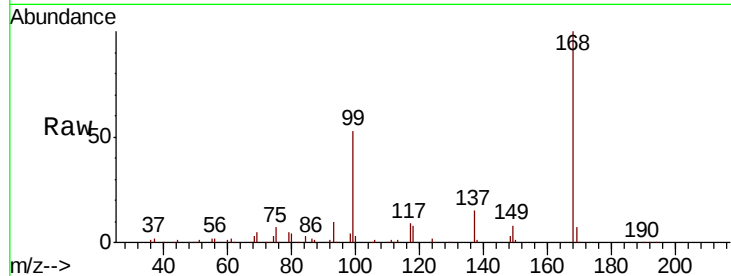




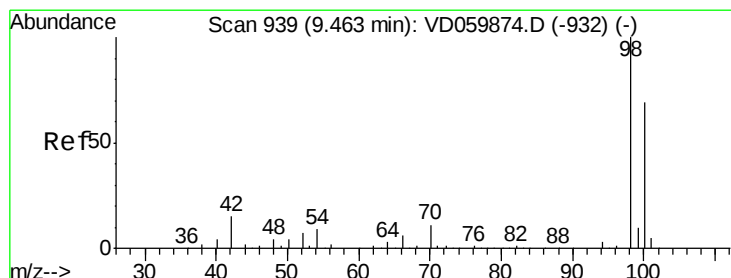
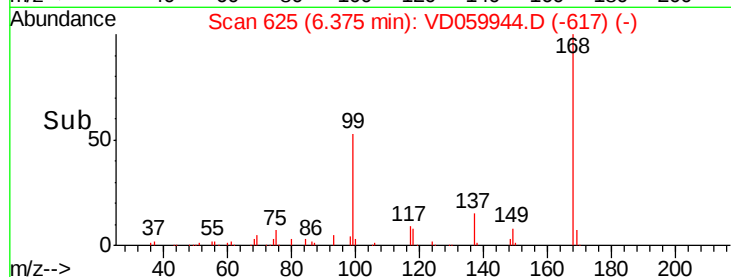
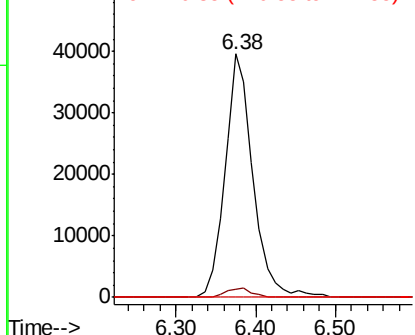
#38
Carbon Tetrachloride
Concen: 6.46 ug/l
RT: 6.38 min Scan# 625
Delta R.T. -0.13 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBL01

Tot Ion:117 Resp: 96485
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 24.0 36.0#

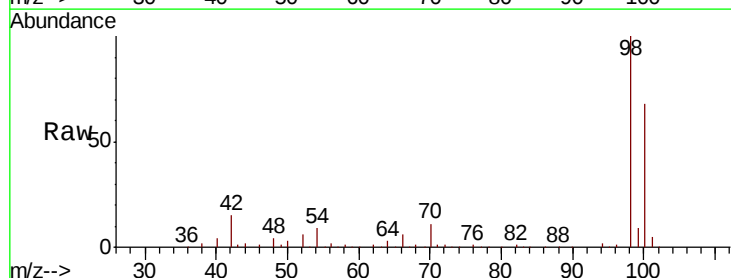


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

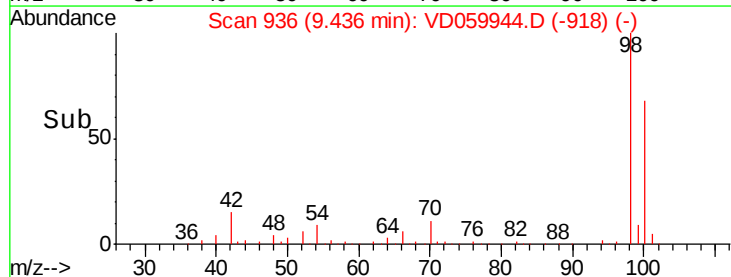
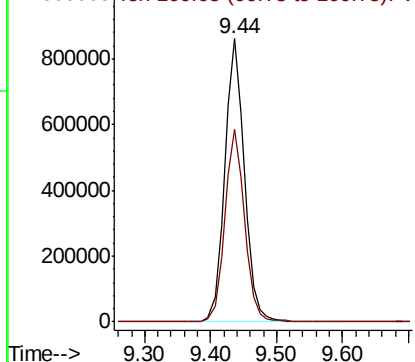


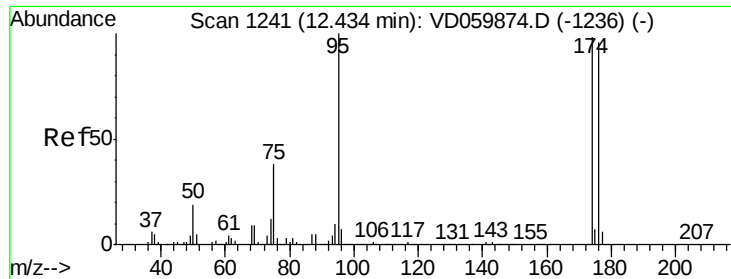
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

Tgt Ion: 98 Resp: 1794658
Ion Ratio Lower Upper
98 100
100 68.0 55.8 83.6



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

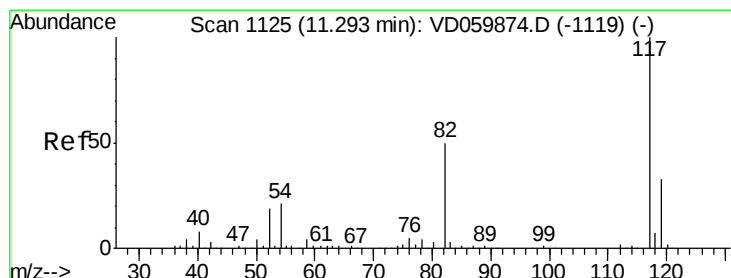
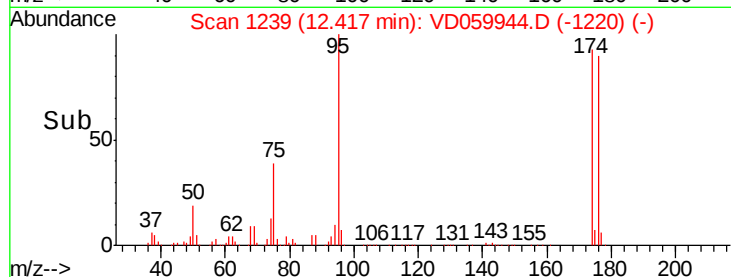
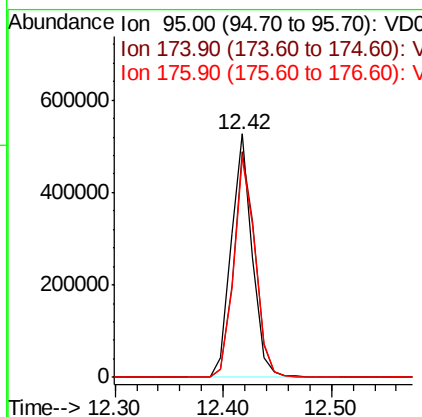
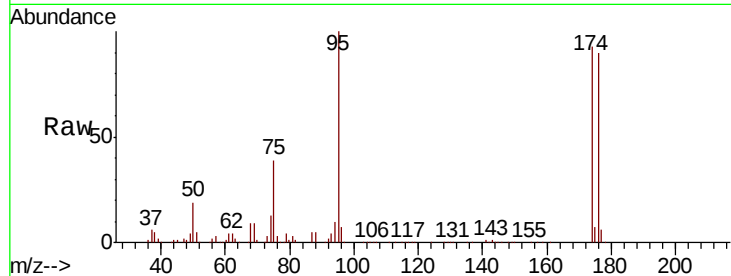




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

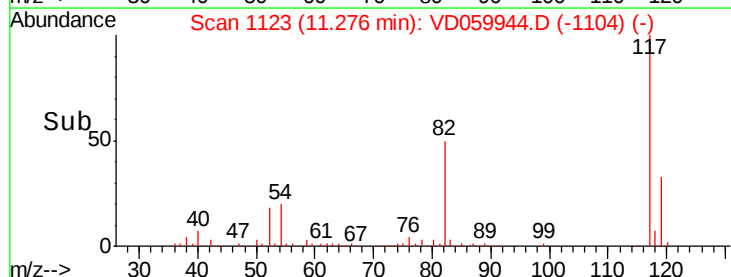
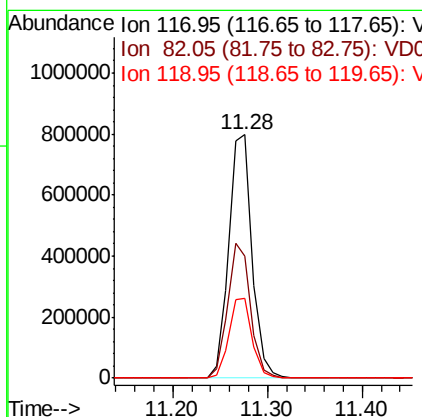
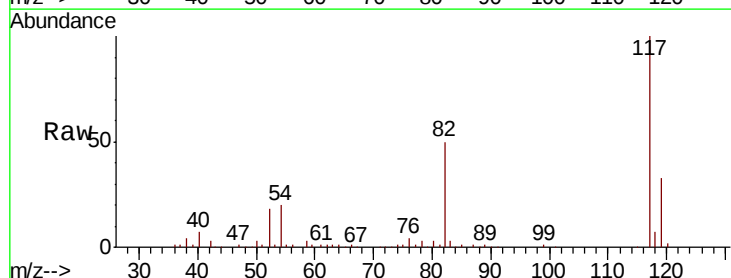
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBL01

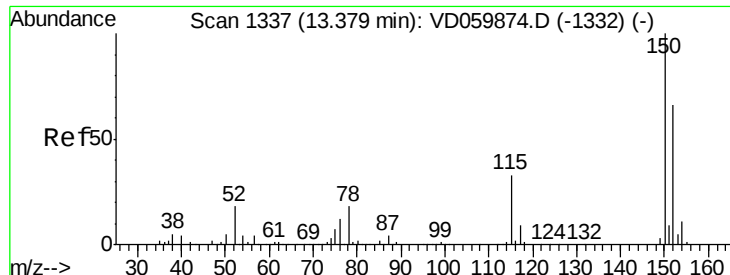
Tot Ion: 95 Resp: 709907
Ion Ratio Lower Upper
95 100
174 92.8 0.0 195.6
176 90.1 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059944.D
Acq: 4 Sep 2018 14:53

Tgt Ion: 117 Resp: 1358040
Ion Ratio Lower Upper
117 100
82 49.9 40.1 60.1
119 32.5 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBL01

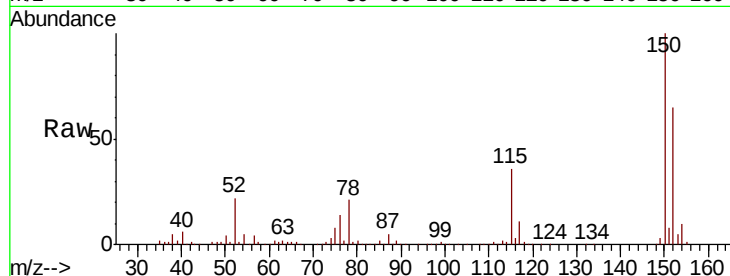
Tot Ion:152 Resp: 708631

Ion Ratio Lower Upper

152 100

115 55.0 25.7 77.0

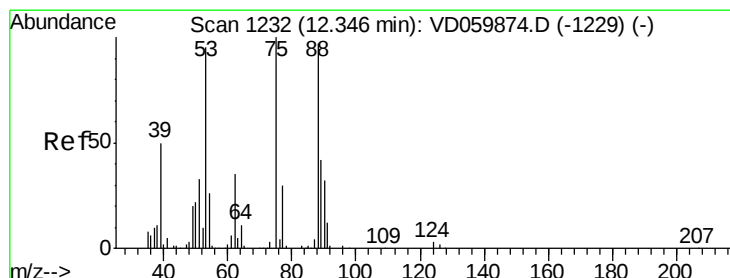
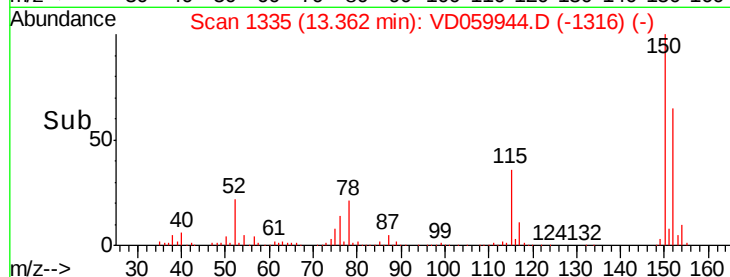
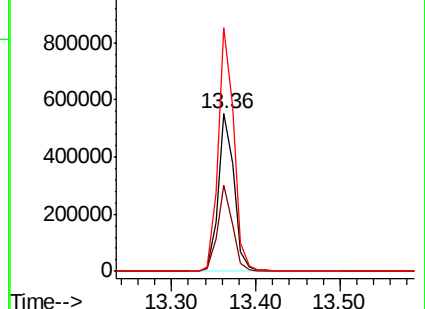
150 154.8 0.0 310.2



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: 83.36 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

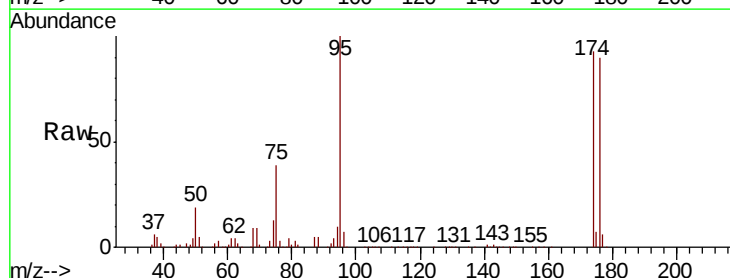
Tgt Ion: 75 Resp: 285596

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

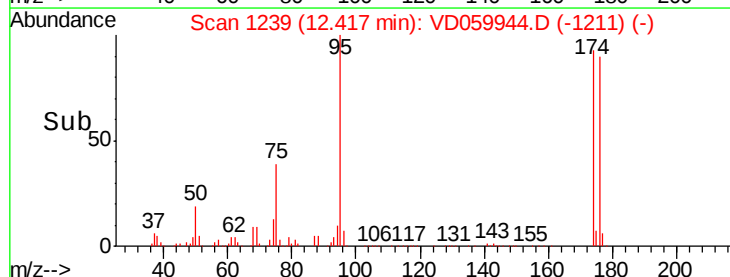
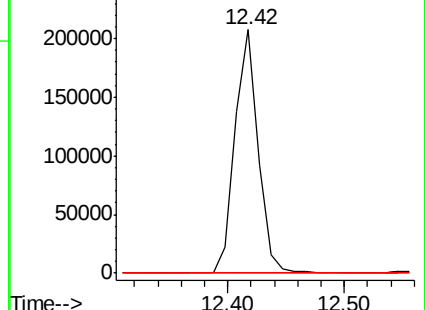
89 0.0 33.6 50.4#

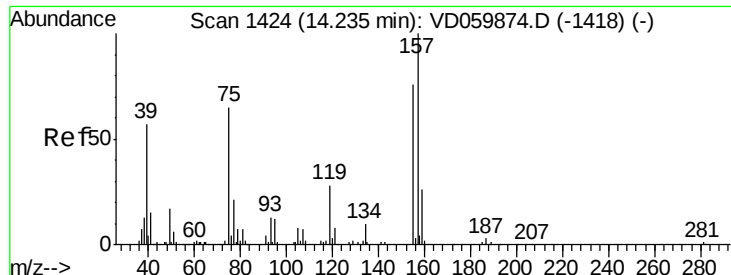


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.19 ug/l

RT: 14.20 min Scan# 1420

Delta R.T. -0.04 min

Lab File: VD059944.D

Acq: 4 Sep 2018 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBL01

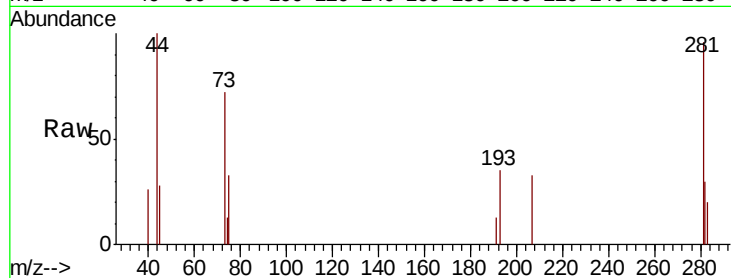
Tot Ion: 75 Resp: 1909

Ion Ratio Lower Upper

75 100

155 0.0 58.2 174.6#

157 0.0 76.8 230.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

