

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059922.D
 Acq On : 30 Aug 2018 12:28
 Operator : JC/SY
 Sample : VD0830SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 30 18:04:07 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	1227856	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1678833	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1371253	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	736476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	497895	48.11	ug/l	-0.02
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	6.31	113	640750	48.68	ug/l	-0.02
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	9.45	98	1780764	48.75	ug/l	-0.01
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.42	95	698936	47.11	ug/l	-0.01
Spiked Amount			Recovery	=	94.22%	

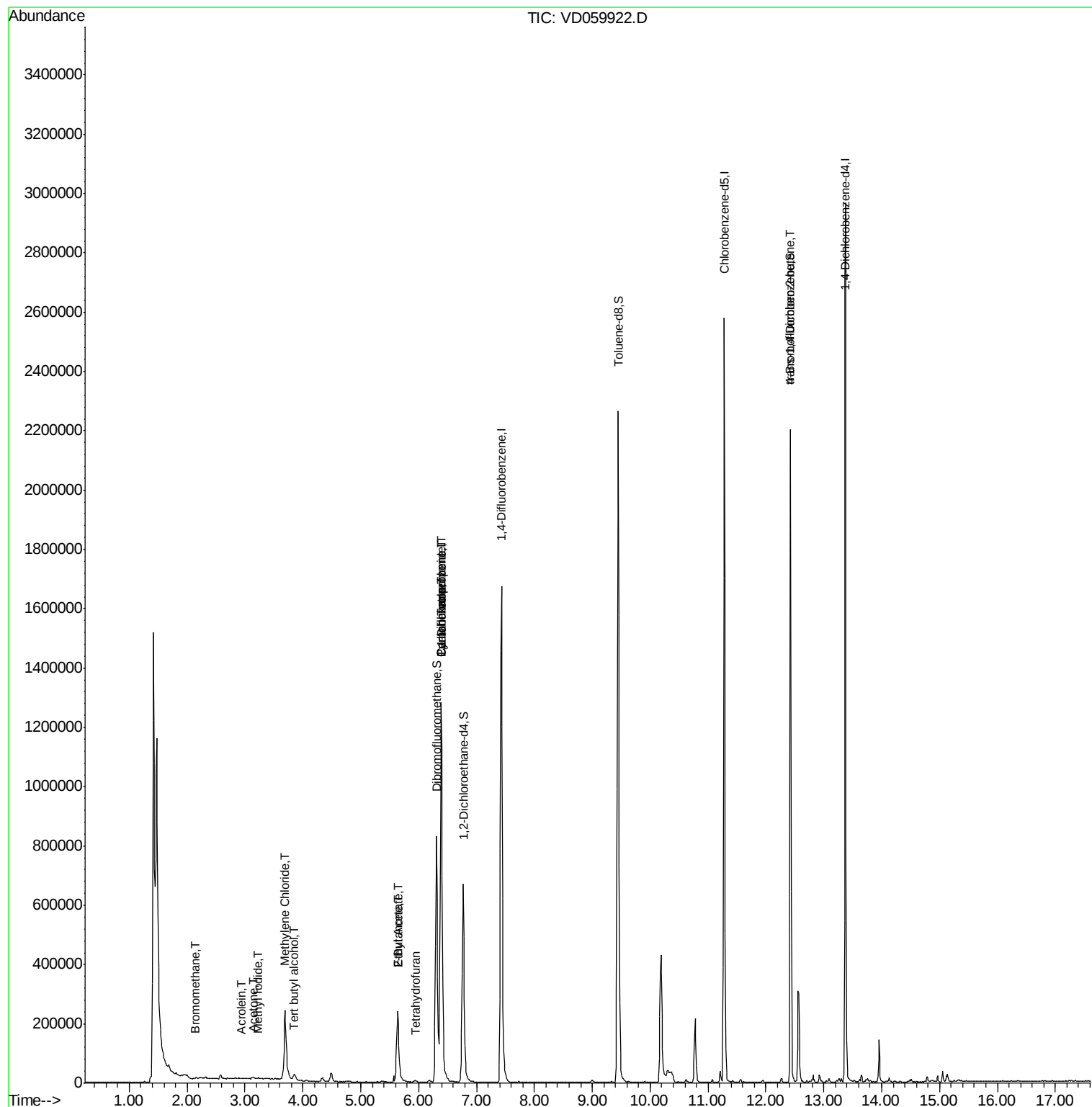
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1686	1.253	ug/l #	66
10) Methyl Iodide	3.23	142	2045	3.789	ug/l #	91
11) Tert butyl alcohol	3.86	59	16213	20.532	ug/l #	75
13) Acrolein	2.93	56	783	2.286	ug/l #	17
16) Acetone	3.13	43	8506	4.511	ug/l #	75
20) Methylene Chloride	3.69	84	137828	7.812	ug/l	98
25) 2-Butanone	5.64	43	24107	4.317	ug/l #	77
29) Tetrahydrofuran	5.95	42	5936	2.233	ug/l #	78
31) Cyclohexane	6.39	56	26288	1.334	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	85119	5.593	ug/l #	46
37) Ethyl Acetate	5.64	43	24309	2.053	ug/l #	21
38) Carbon Tetrachloride	6.39	117	100993	6.576	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	276325	77.606	ug/l #	12
89) n-Butylbenzene	13.65	91	4751	Below Cal		90

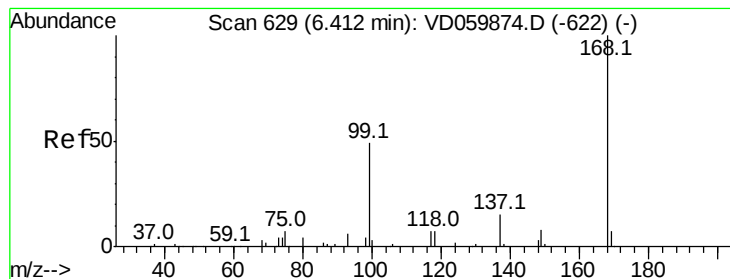
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

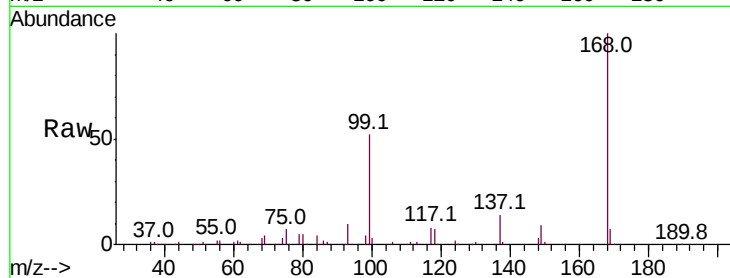
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1227856

Ion Ratio Lower Upper

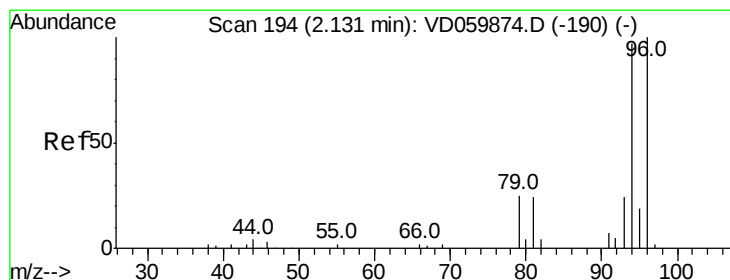
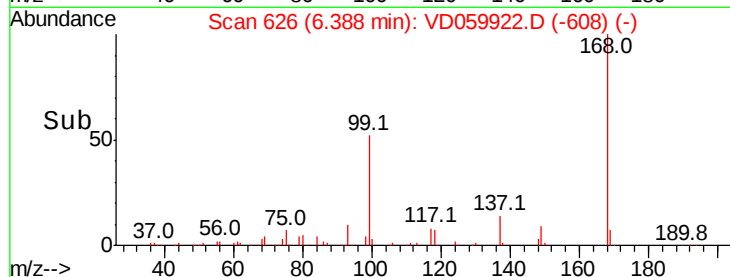
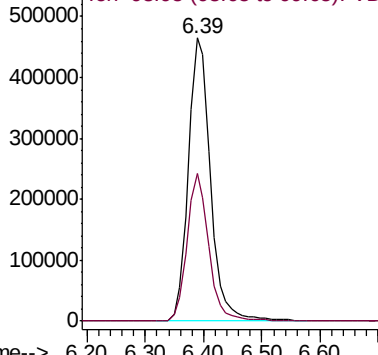
168 100

99 52.4 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: 1.253 ug/l

RT: 2.15 min Scan# 195

Delta R.T. 0.02 min

Lab File: VD059922.D

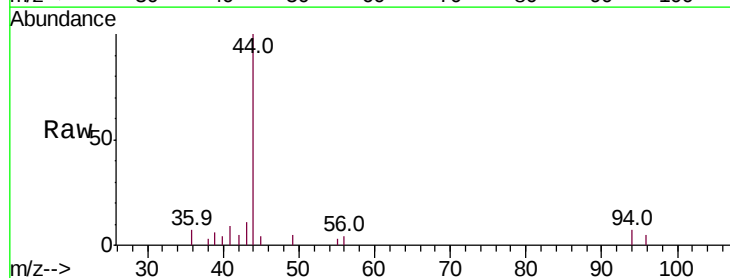
Acq: 30 Aug 2018 12:28

Tgt Ion: 94 Resp: 1686

Ion Ratio Lower Upper

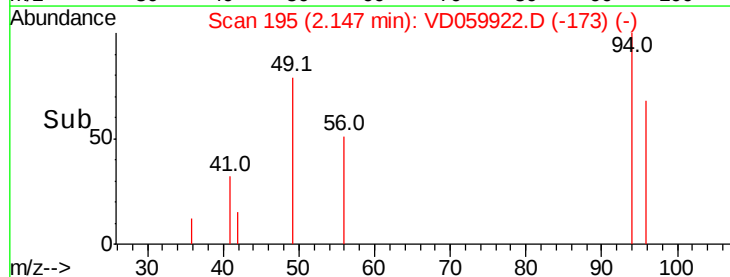
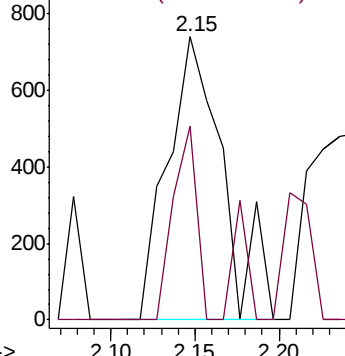
94 100

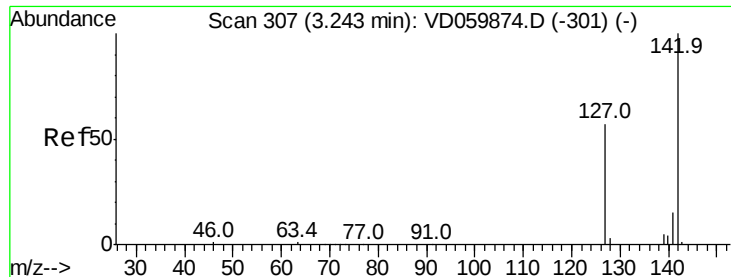
96 68.5 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

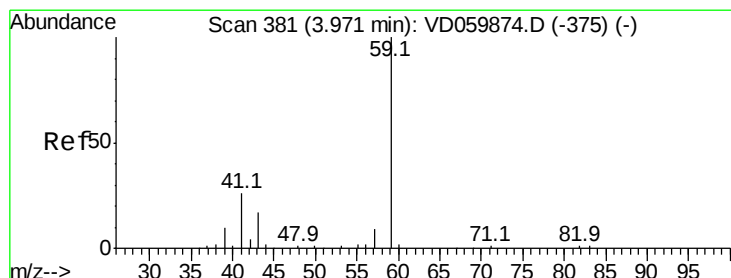
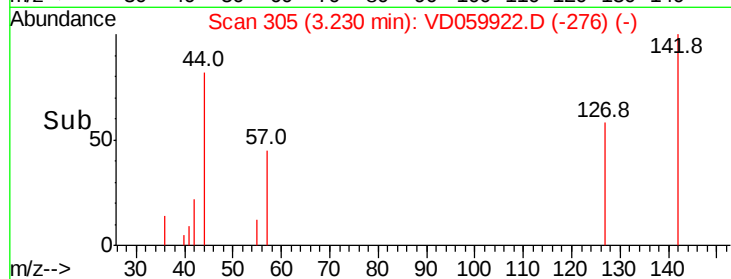
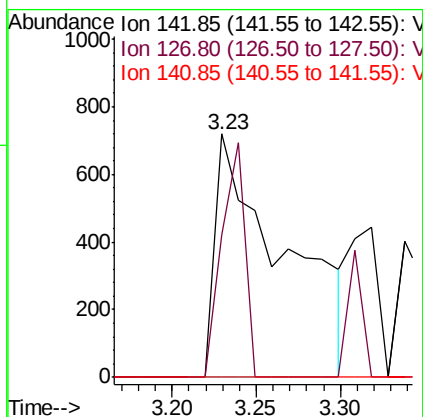
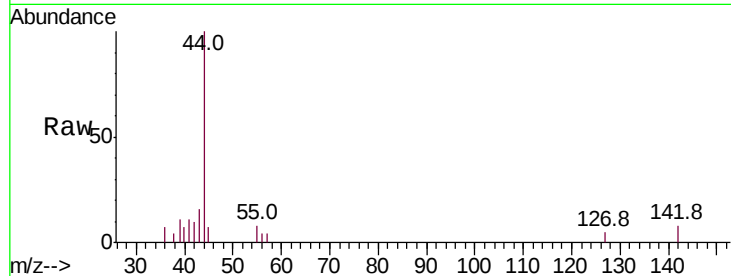




#10
Methyl Iodide
Concen: 3.789 ug/l
RT: 3.23 min Scan# 305
Delta R.T. -0.01 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

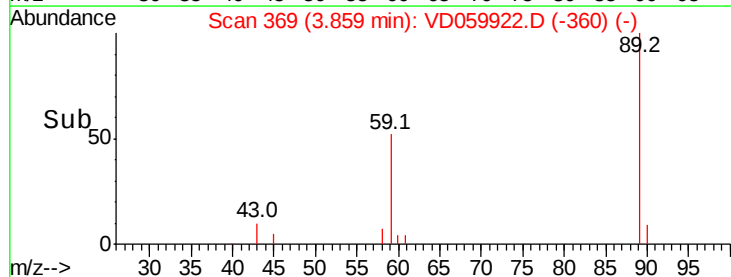
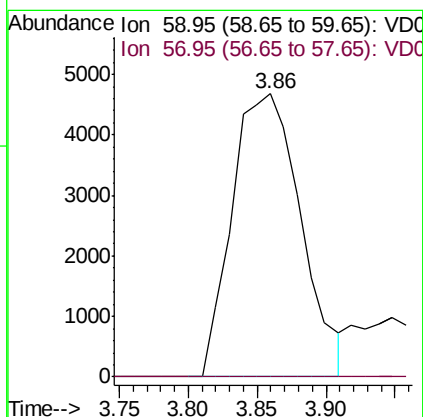
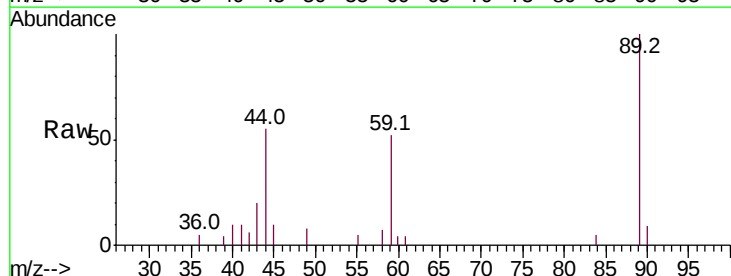
Instrument :
MSVOA_D
ClientSampleID :

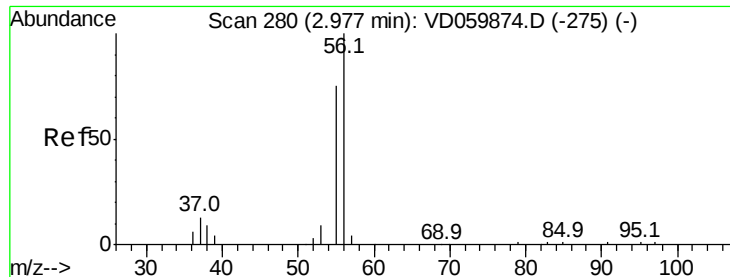
Tot Ion:142 Resp: 2045
Ion Ratio Lower Upper
142 100
127 58.5 45.8 68.6
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 20.532 ug/l
RT: 3.86 min Scan# 369
Delta R.T. -0.11 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

Tgt Ion: 59 Resp: 16213
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: 2.286 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.04 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

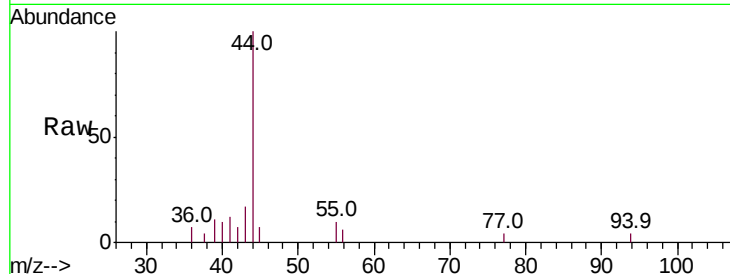
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 783

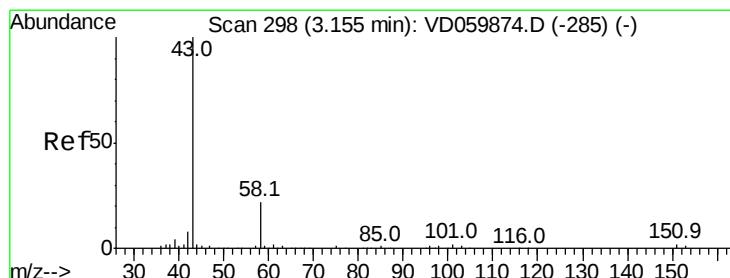
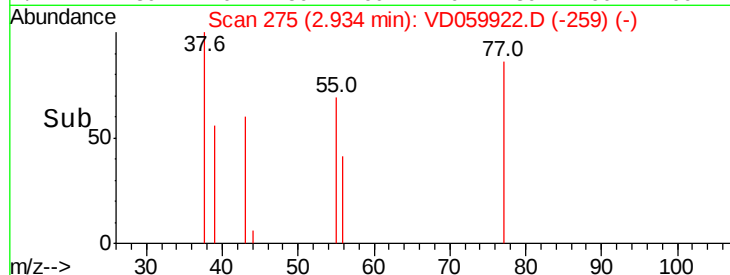
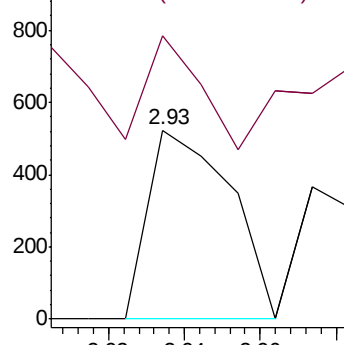
Ion Ratio Lower Upper

56 100

55 149.6 61.9 92.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 4.511 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059922.D

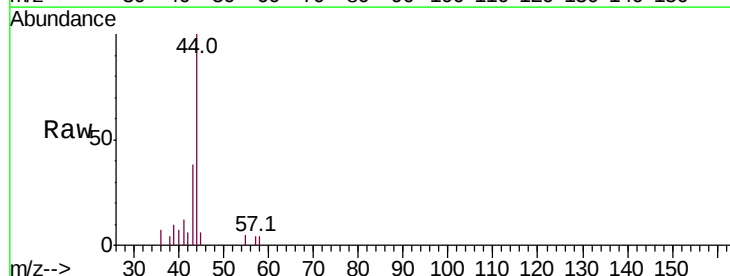
Acq: 30 Aug 2018 12:28

Tgt Ion: 43 Resp: 8506

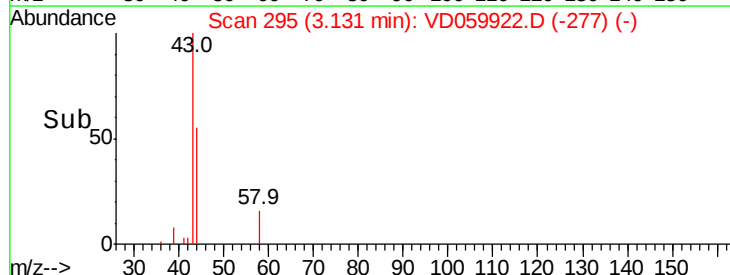
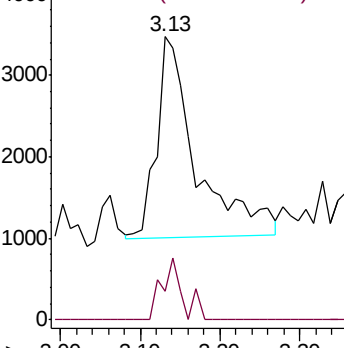
Ion Ratio Lower Upper

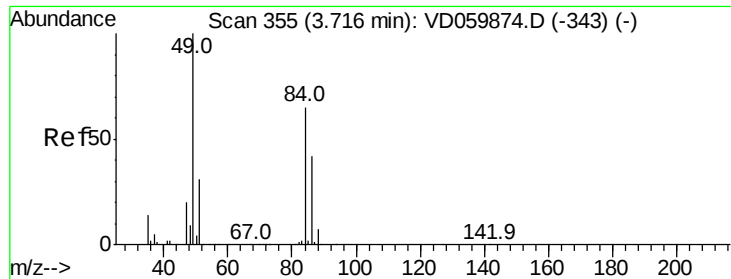
43 100

58 10.0 17.6 26.4#



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

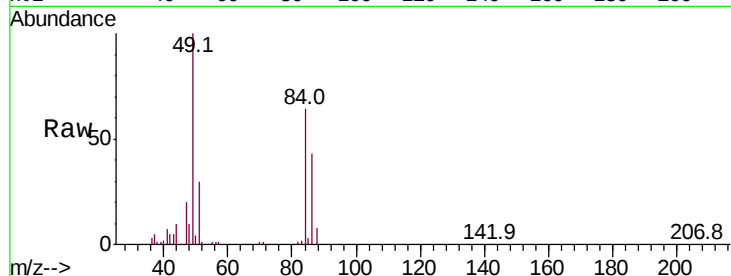




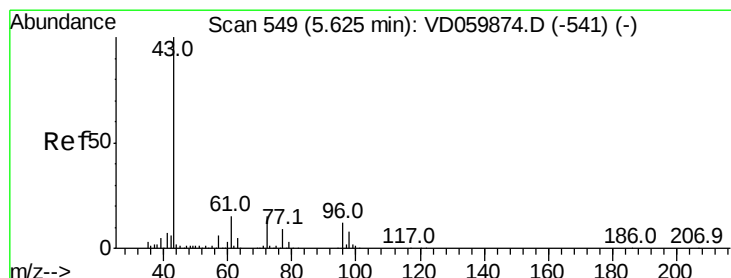
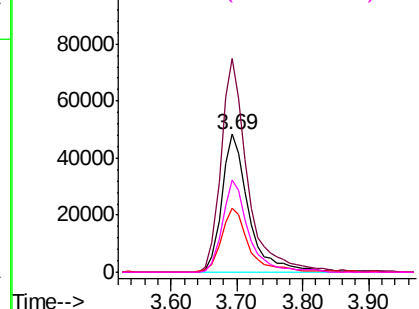
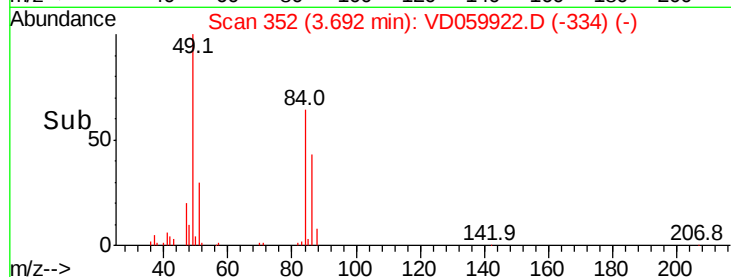
#20
Methvlene Chloride
Concen: 7.812 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.02 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 137828
Ion Ratio Lower Upper
84 100
49 155.1 122.6 183.8
51 46.5 38.4 57.6
86 66.7 51.5 77.3

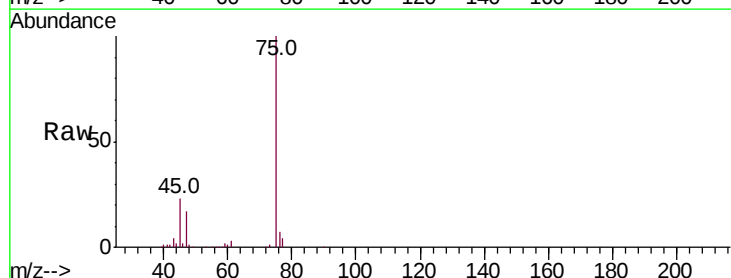


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

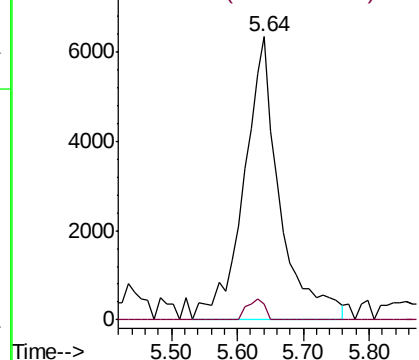
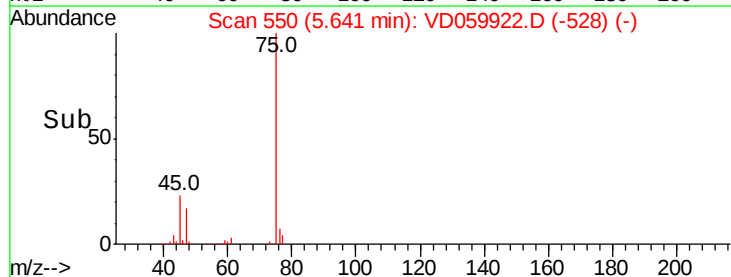


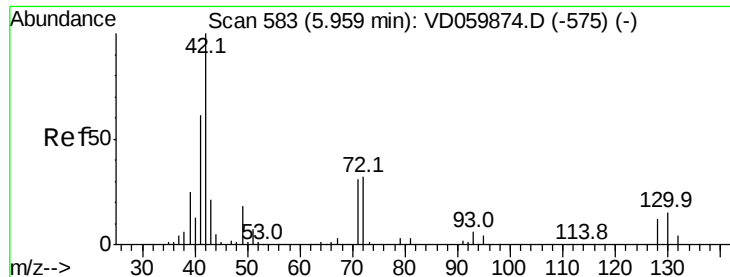
#25
2-Butanone
Concen: 4.317 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.02 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

Tgt Ion: 43 Resp: 24107
Ion Ratio Lower Upper
43 100
72 5.6 12.3 18.5#



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





#29

Tetrahydrofuran

Concen: 2.233 ug/l

RT: 5.95 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

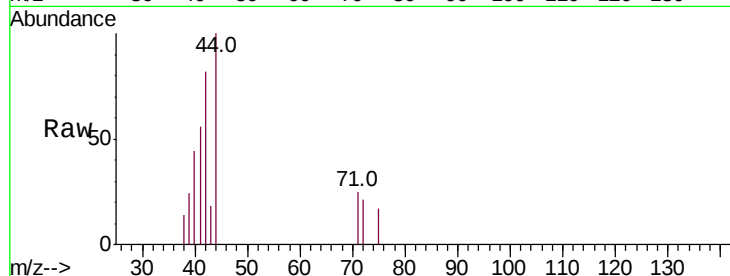
Tot Ion: 42 Resp: 5936

Ion Ratio Lower Upper

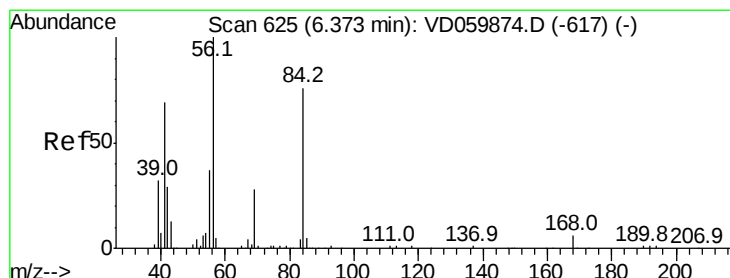
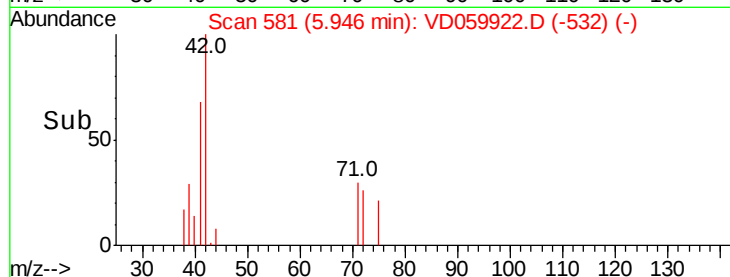
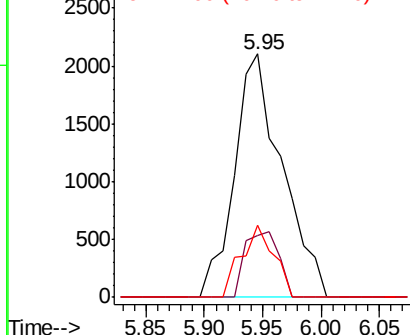
42 100

72 19.3 25.7 38.5#

71 20.5 25.3 37.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.334 ug/l

RT: 6.39 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

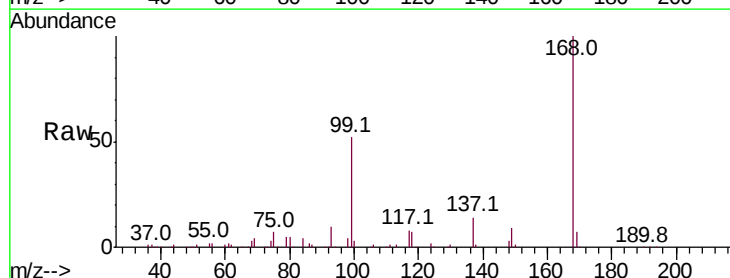
Tgt Ion: 56 Resp: 26288

Ion Ratio Lower Upper

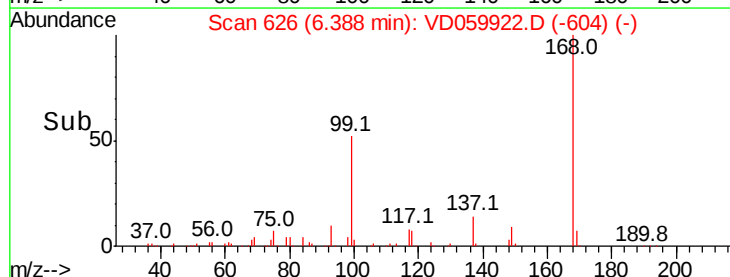
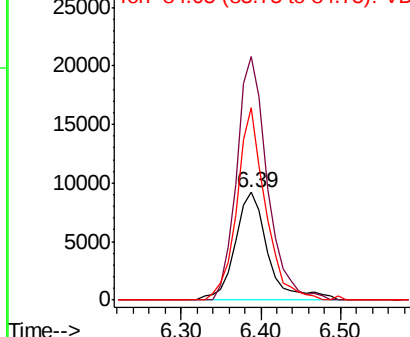
56 100

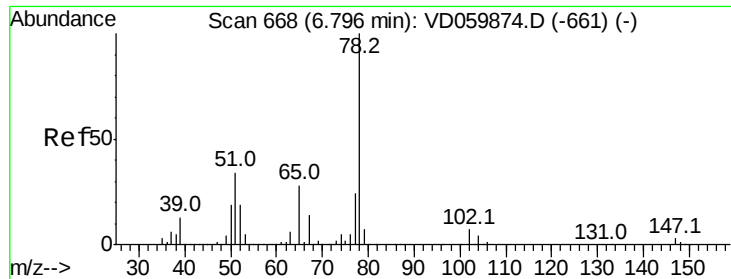
69 226.3 22.4 33.6#

84 178.5 62.1 93.1#



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

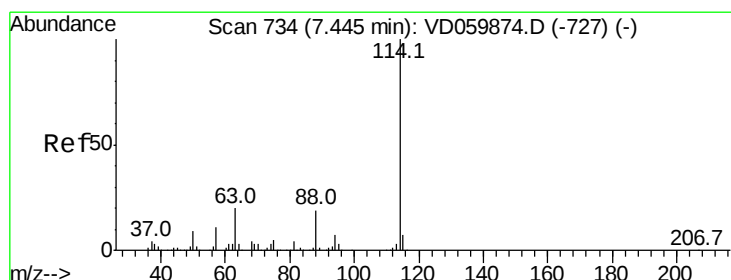
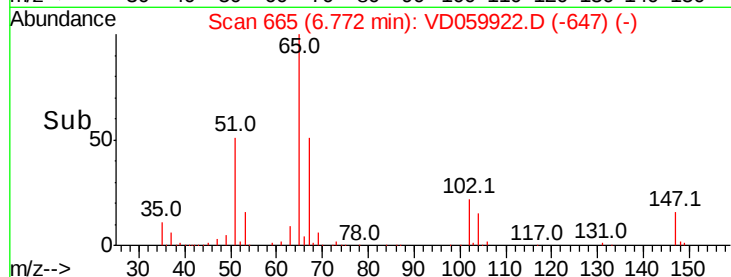
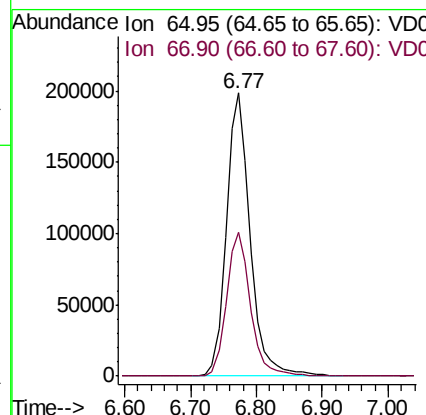
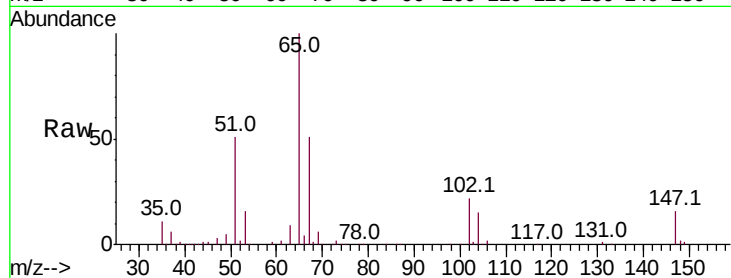




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: VD059922.D
 Acq: 30 Aug 2018 12:28

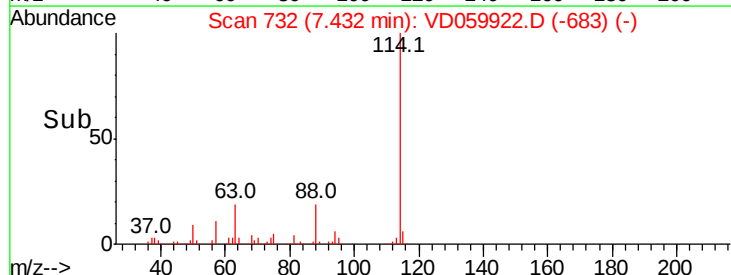
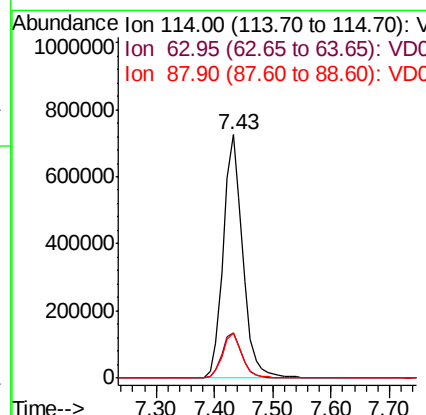
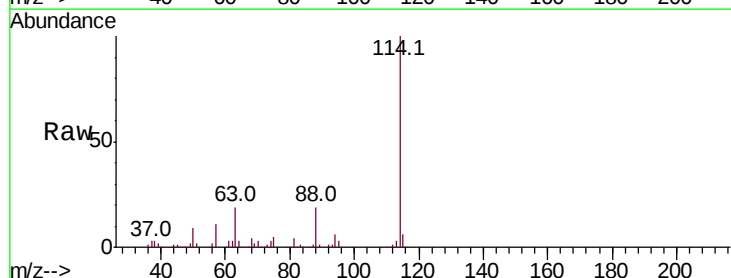
Instrument :
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 ClientSampleId :

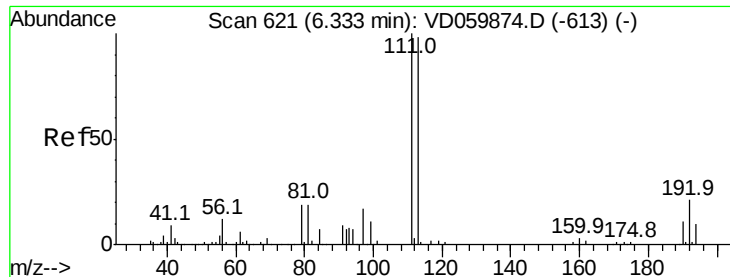
Tot Ion: 65 Resp: 497895
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: VD059922.D
 Acq: 30 Aug 2018 12:28

Tgt Ion: 114 Resp: 1678833
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.4
 88 18.6 0.0 37.6

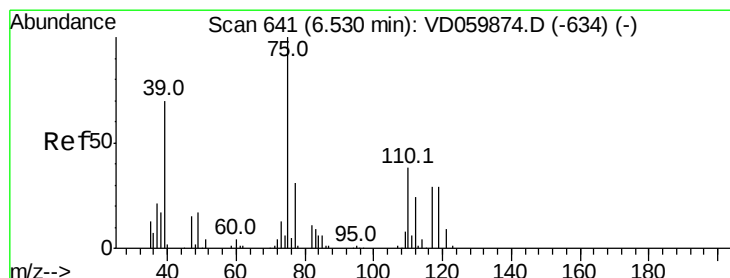
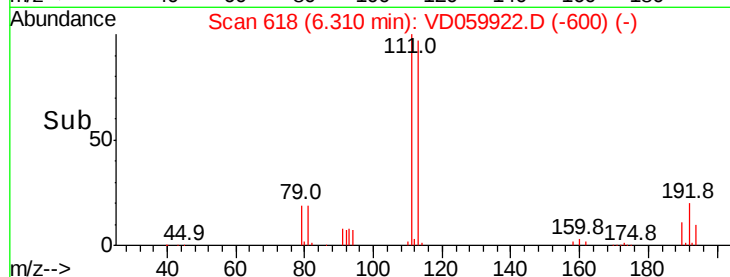
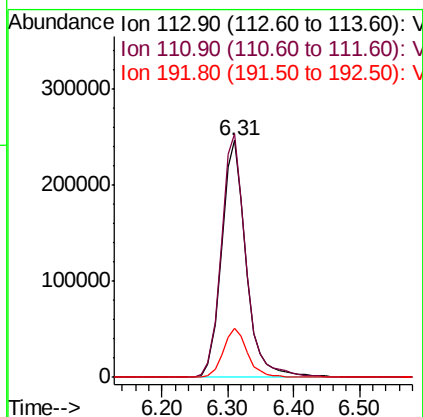
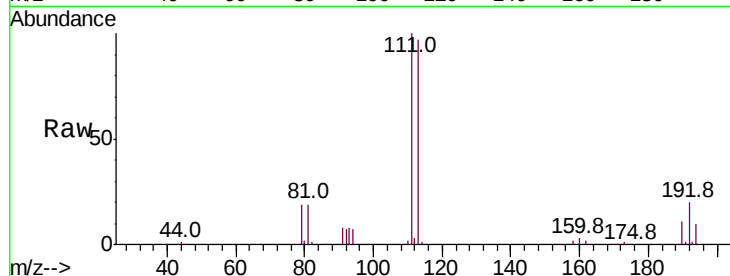




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: VD059922.D
 Acq: 30 Aug 2018 12:28

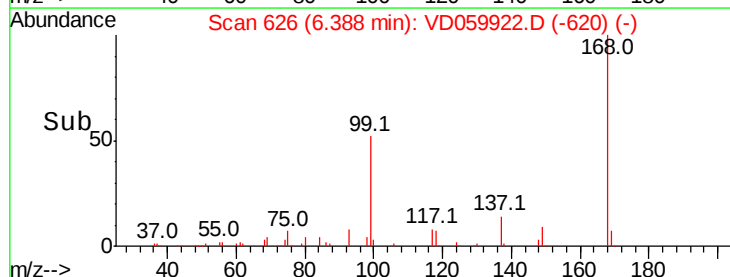
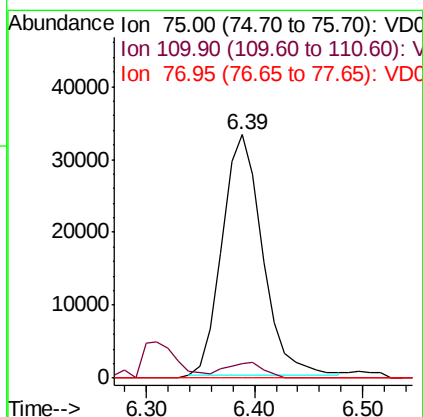
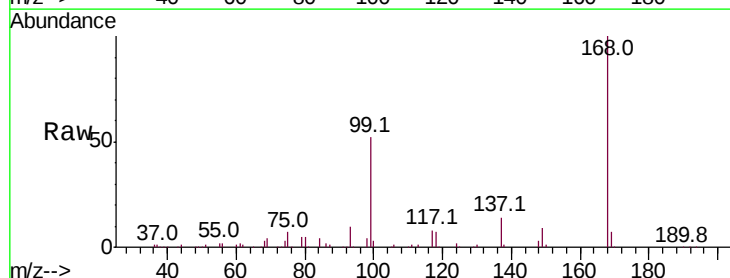
Instrument :
 MSVOA_D
 ClientSampleId :

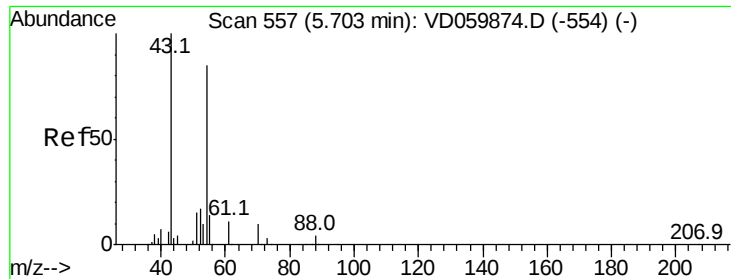
Tot Ion:113 Resp: 640750
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.2
 192 20.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.593 ug/l
 RT: 6.39 min Scan# 626
 Delta R.T. -0.14 min
 Lab File: VD059922.D
 Acq: 30 Aug 2018 12:28

Tgt Ion: 75 Resp: 85119
 Ion Ratio Lower Upper
 75 100
 110 6.2 18.6 56.0#
 77 0.0 25.1 37.7#

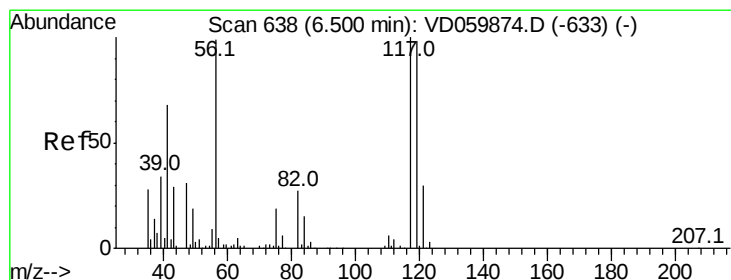
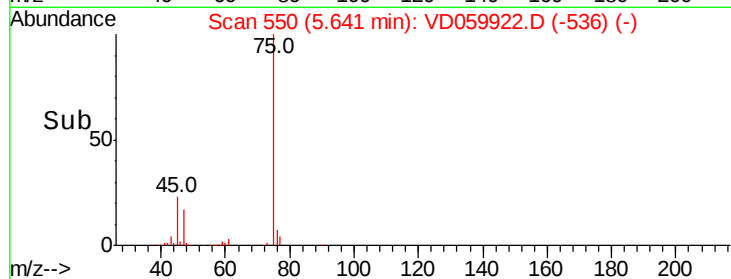
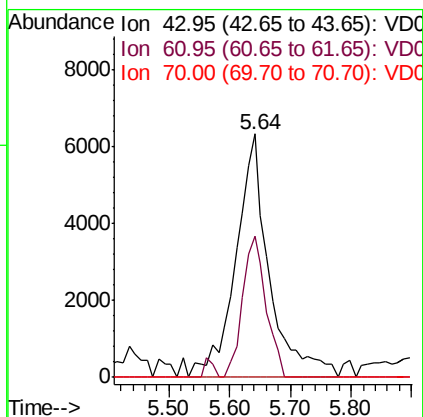
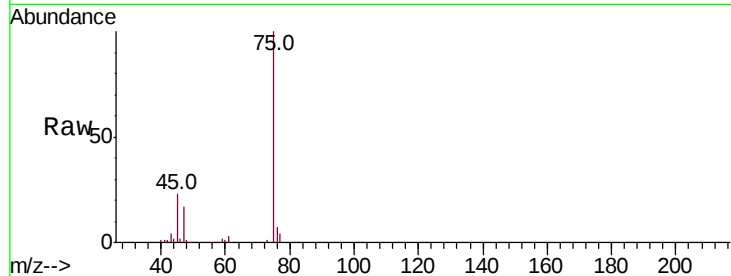




#37
Ethyl Acetate
Concen: 2.053 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.06 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

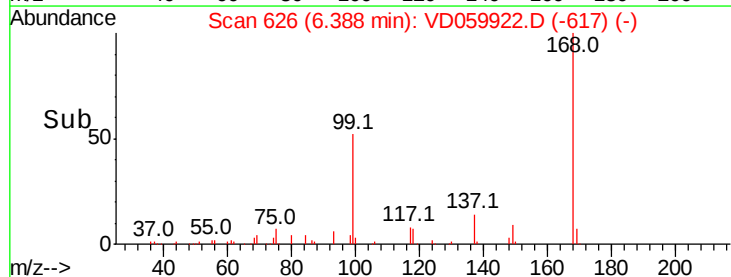
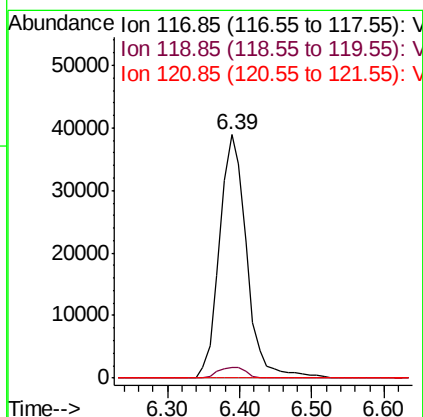
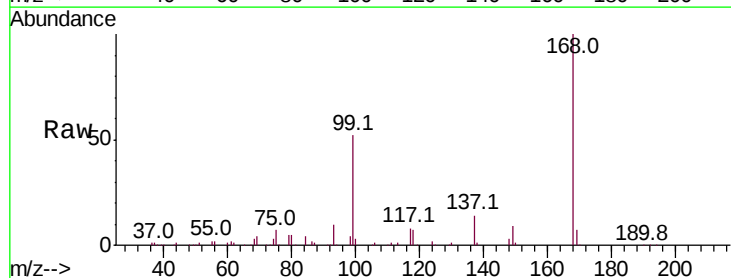
Instrument :
MSVOA_D
ClientSampleId :

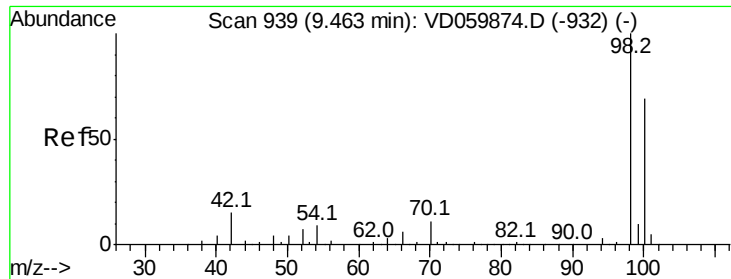
Tot Ion: 43 Resp: 24309
Ion Ratio Lower Upper
43 100
61 58.2 11.0 16.6#
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.576 ug/l
RT: 6.39 min Scan# 626
Delta R.T. -0.11 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

Tgt Ion: 117 Resp: 100993
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 24.0 36.0#

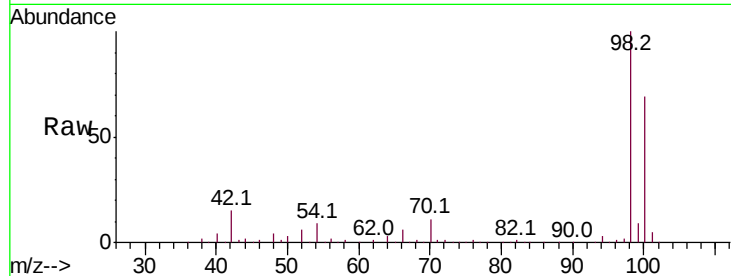




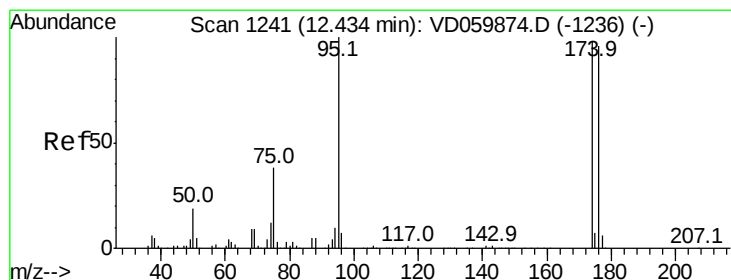
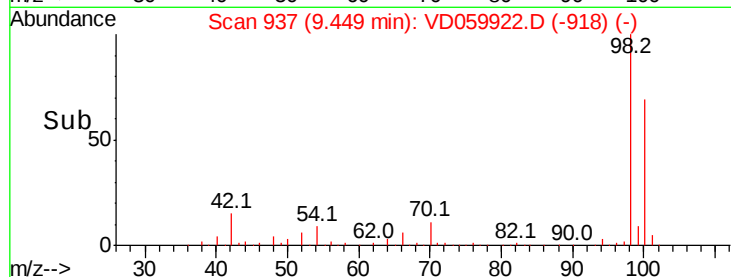
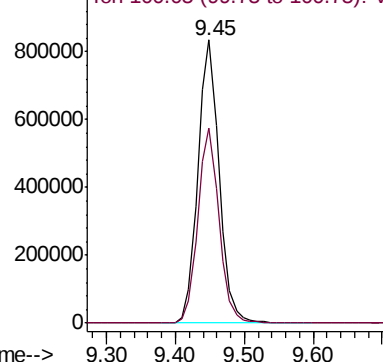
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 937
Delta R.T. -0.01 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1780764
Ion Ratio Lower Upper
98 100
100 68.8 55.8 83.6

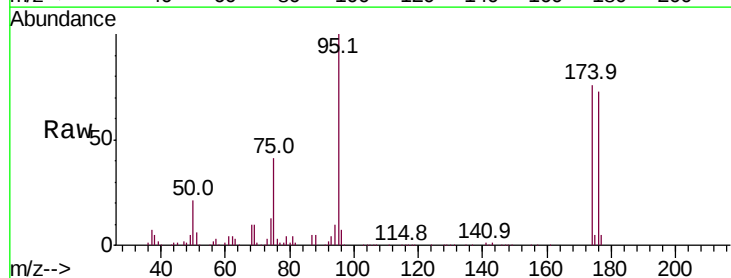


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

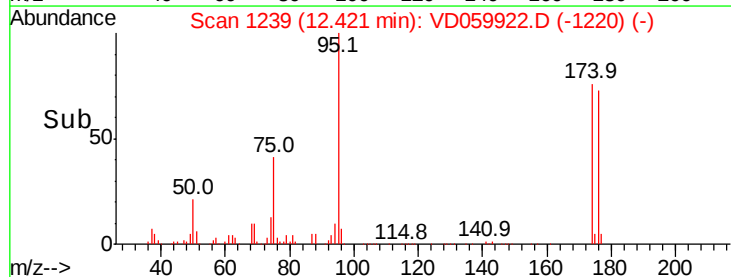
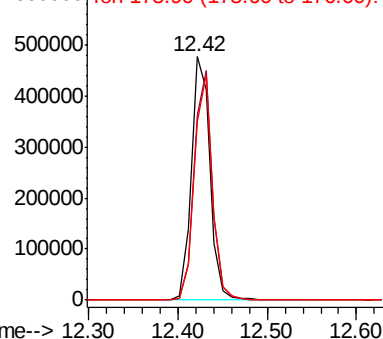


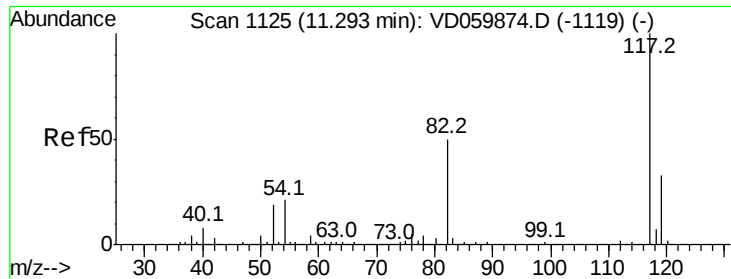
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD059922.D
Acq: 30 Aug 2018 12:28

Tgt Ion: 95 Resp: 698936
Ion Ratio Lower Upper
95 100
174 76.1 0.0 195.6
176 73.1 0.0 191.2



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: 11.28 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

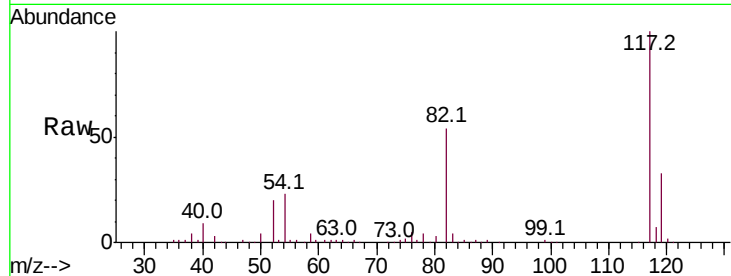
Tot Ion:117 Resp: 1371253

Ion Ratio Lower Upper

117 100

82 54.1 40.1 60.1

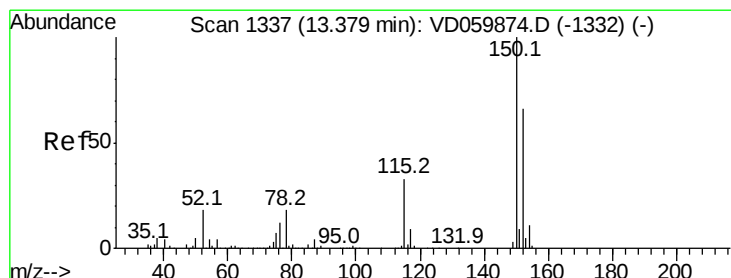
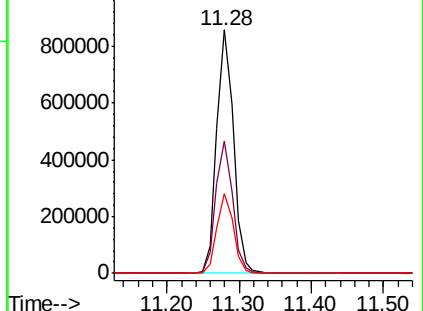
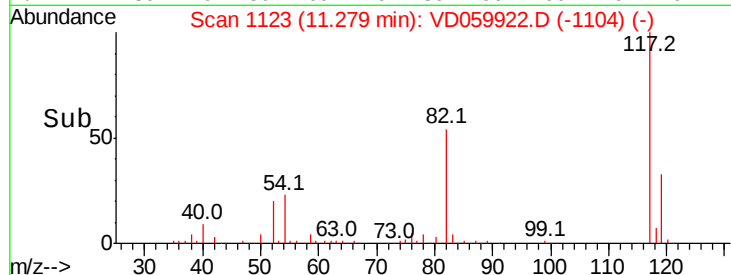
119 32.7 26.7 40.1



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: 13.38 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

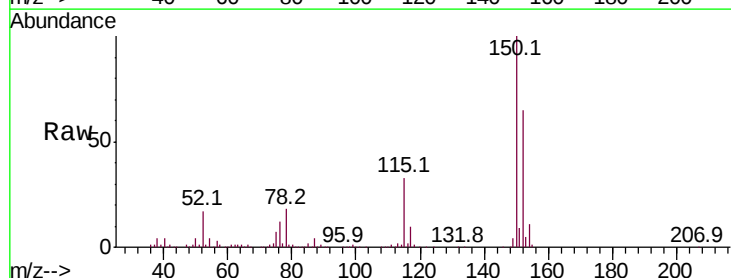
Tgt Ion:152 Resp: 736476

Ion Ratio Lower Upper

152 100

115 50.1 25.7 77.0

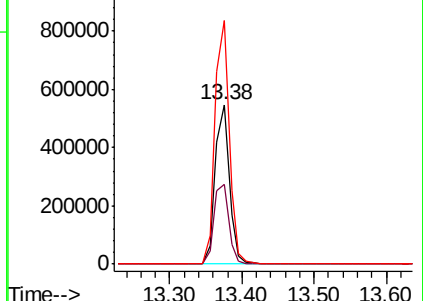
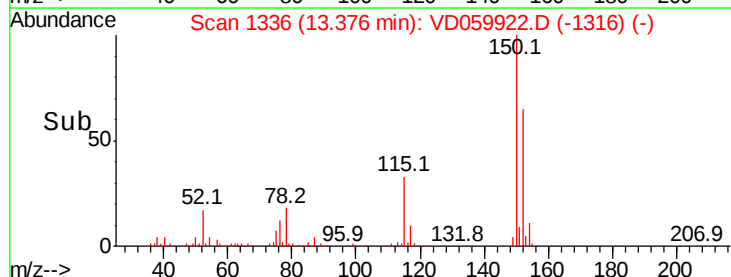
150 153.0 0.0 310.2

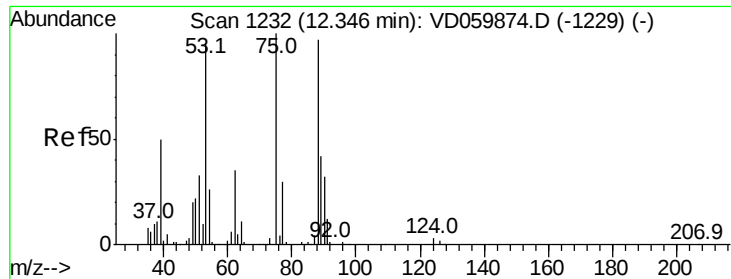


Abundance Ion 151.90 (151.60 to 152.60): V

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: 77.606 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.08 min

Lab File: VD059922.D

Acq: 30 Aug 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 276325

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

