

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059937.D
 Acq On : 31 Aug 2018 15:53
 Operator : JC/SY
 Sample : J4282-15RE
 Misc : 4.60µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-082918-ARE

Quant Time: Sep 01 03:11:08 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	6.37	168	1031405	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1467725	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1012989	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	371798	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	425474	48.94	ug/l	-0.04
Spiked Amount				50.000		
Recovery						97.88%
35) Dibromofluoromethane	6.29	113	491540	42.72	ug/l	-0.04
Spiked Amount				50.000		
Recovery						85.44%
50) Toluene-d8	9.43	98	1144349	35.83	ug/l	-0.03
Spiked Amount				50.000		
Recovery						71.66%
62) 4-Bromofluorobenzene	12.41	95	362049	27.91	ug/l	-0.02
Spiked Amount				50.000		
Recovery						55.82%

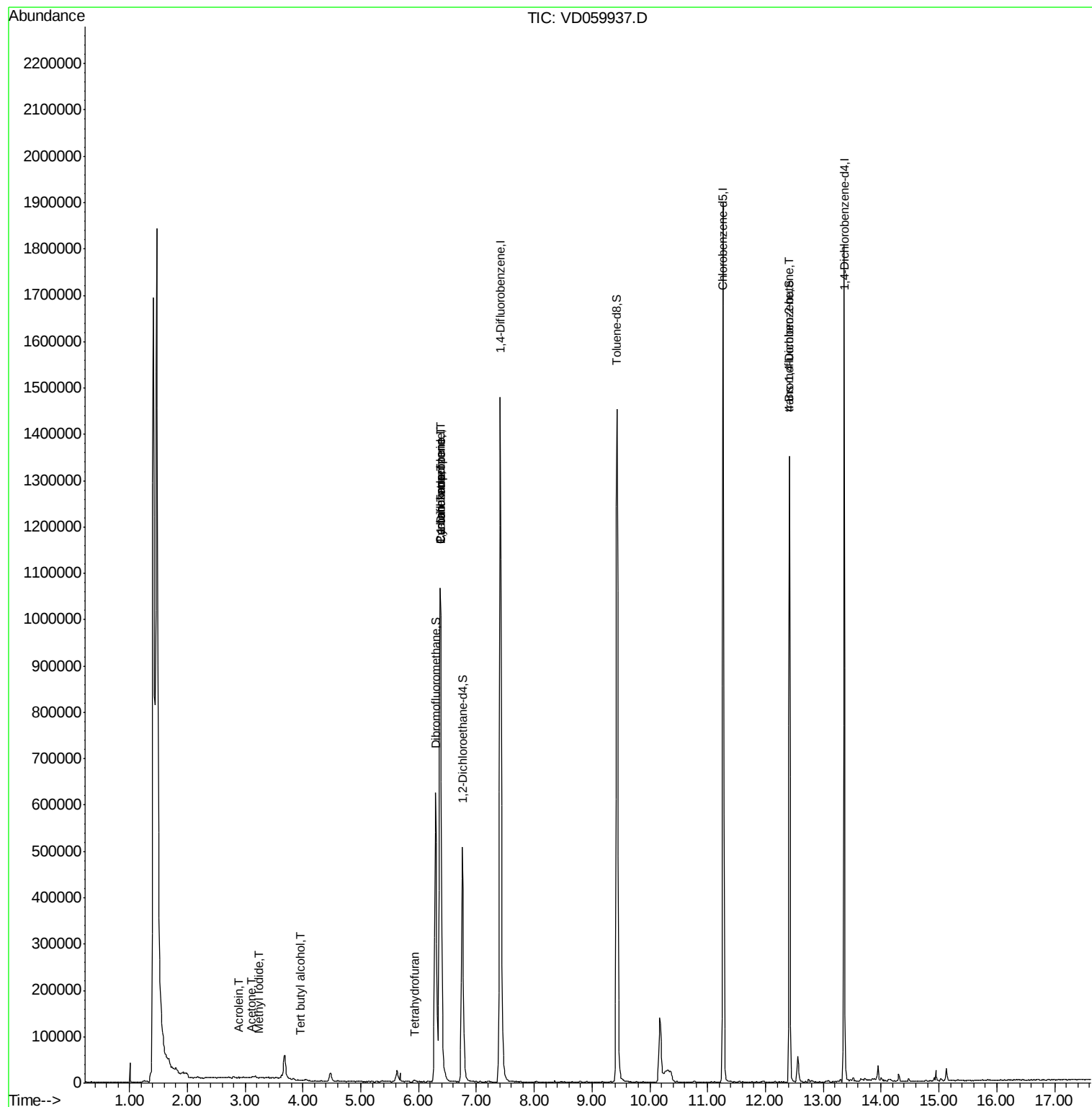
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.24	142	199	3.50	ug/l #	31
11) Tert butyl alcohol	3.95	59	1145	1.73	ug/l #	75
13) Acrolein	2.89	56	435	1.51	ug/l	97
16) Acetone	3.13	43	12507	7.90	ug/l	94
20) Methylene Chloride	3.68	84	28085	Below Cal		93
29) Tetrahydrofuran	5.94	42	3764	1.69	ug/l #	64
31) Cyclohexane	6.37	56	21313	1.29	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	75850	5.70	ug/l #	47
38) Carbon Tetrachloride	6.37	117	81665	6.08	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	153564	85.43	ug/l #	12
89) n-Butylbenzene	13.64	91	1175	Below Cal	#	60

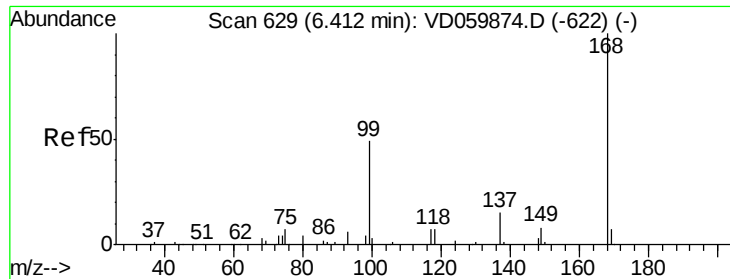
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD083118\
Data File : VD059937.D
Acq On : 31 Aug 2018 15:53
Operator : JC/SY
Sample : J4282-15RE
Misc : 4.60µl/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-01-082918-ARE

Quant Time: Sep 01 03:11:08 2018
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: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

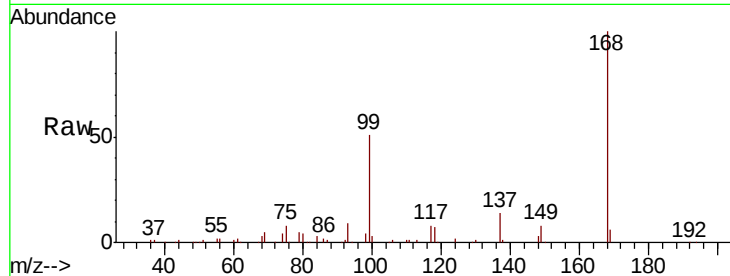
SU-01-082918-ARE

Tot Ion:168 Resp: 1031405

Ion Ratio Lower Upper

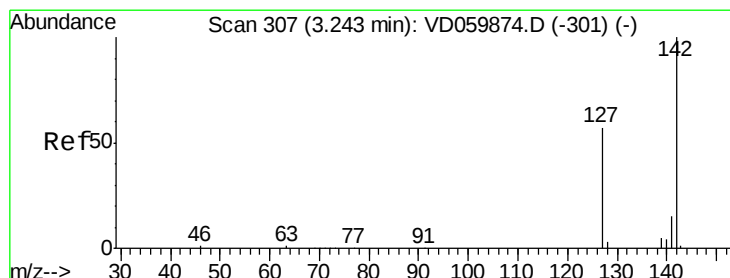
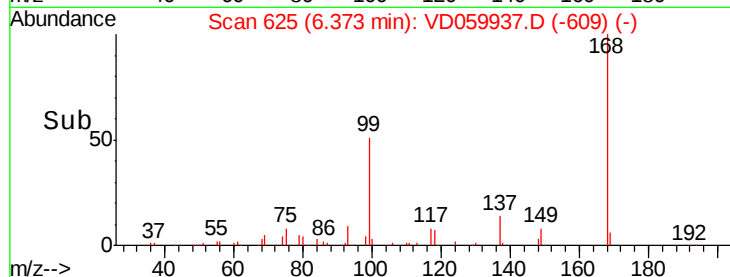
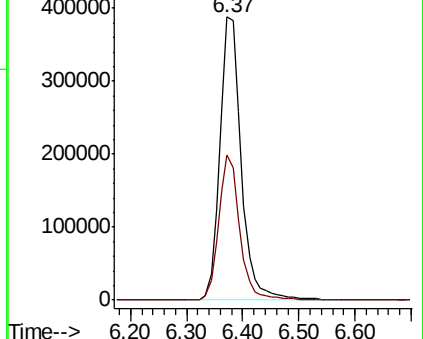
168 100

99 51.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 3.50 ug/l

RT: 3.24 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

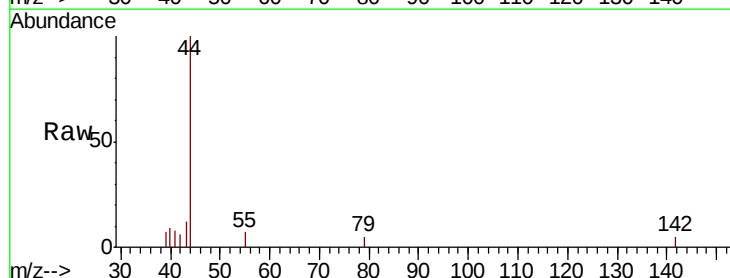
Tgt Ion:142 Resp: 199

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

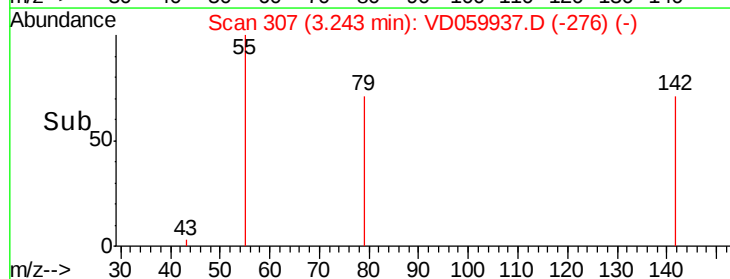
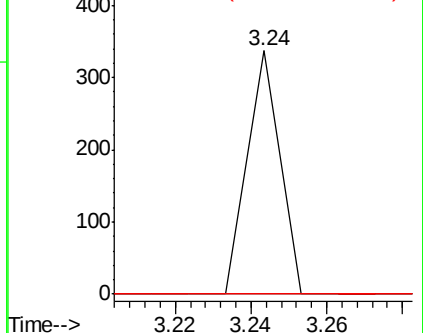
141 0.0 11.6 17.4#

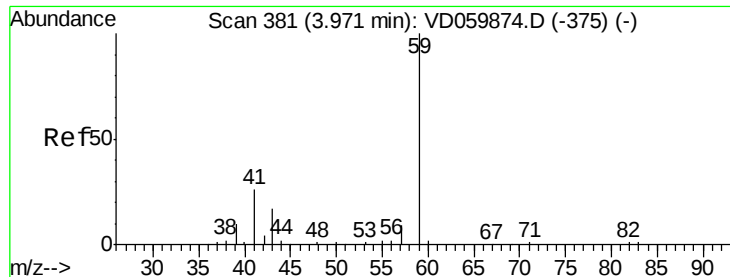


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

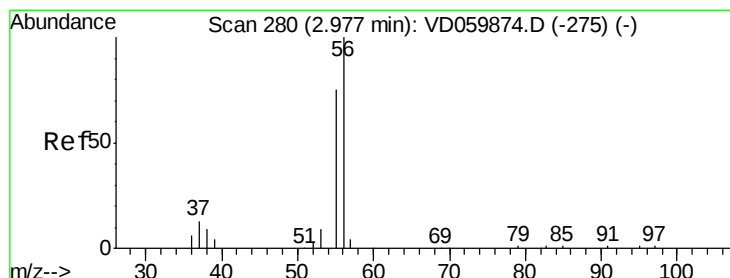
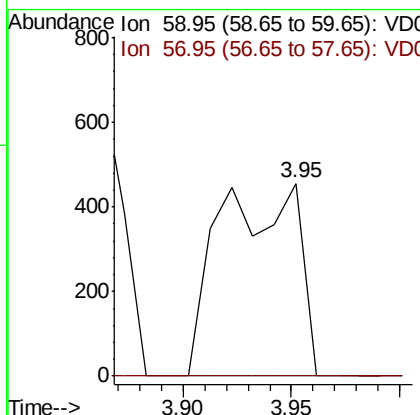
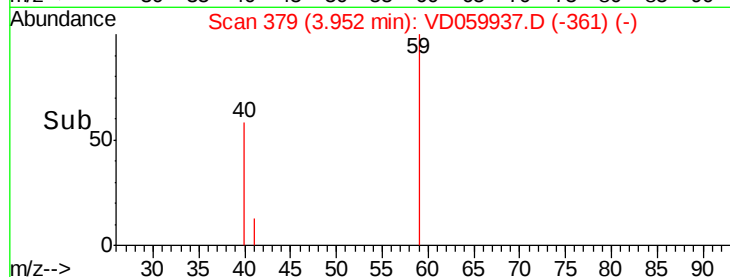
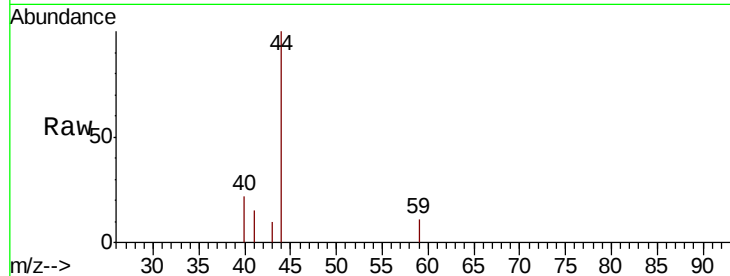




#11
Tert butyl alcohol
Concen: 1.73 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059937.D
Acq: 31 Aug 2018 15:53

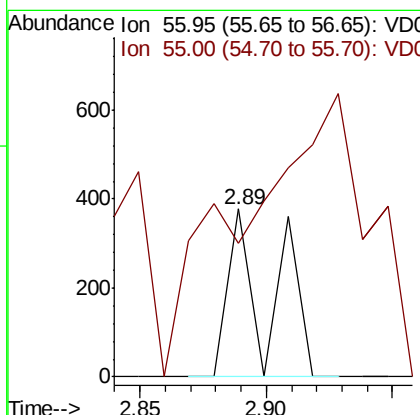
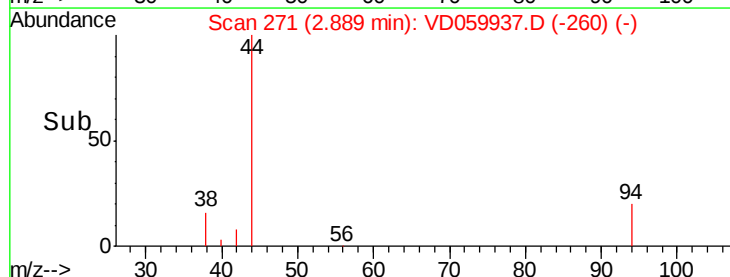
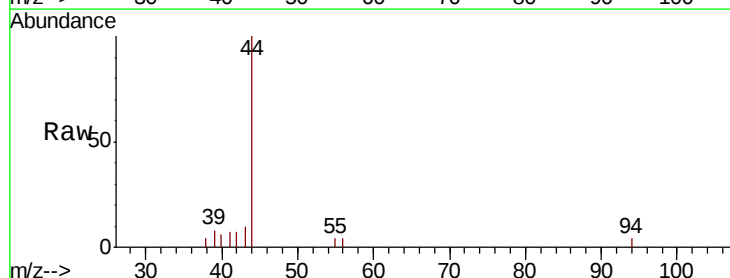
Instrument :
MSVOA_D
ClientSampleId :
SU-01-082918-ARE

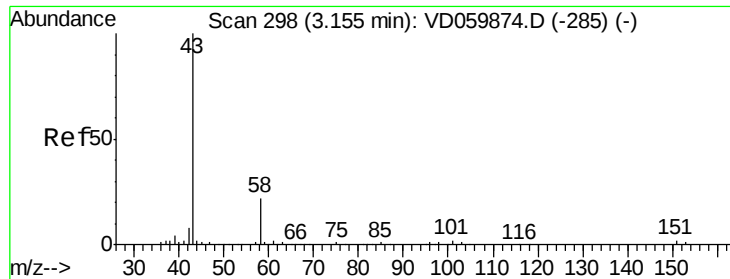
Tot Ion: 59 Resp: 1145
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#13
Acrolein
Concen: 1.51 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.09 min
Lab File: VD059937.D
Acq: 31 Aug 2018 15:53

Tgt Ion: 56 Resp: 435
Ion Ratio Lower Upper
56 100
55 80.1 61.9 92.9





#16

Acetone

Concen: 7.90 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

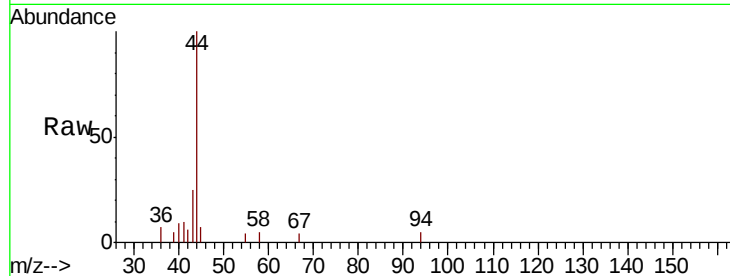
SU-01-082918-ARE

Tot Ion: 43 Resp: 12507

Ion Ratio Lower Upper

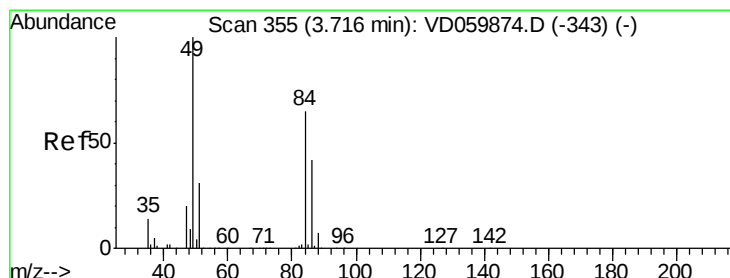
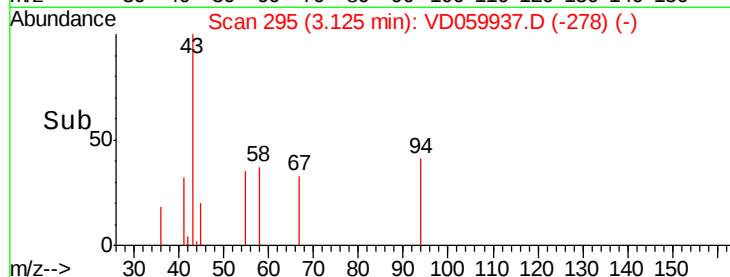
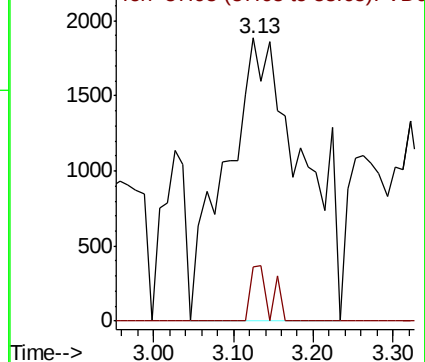
43 100

58 18.9 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.68 min Scan# 351

Delta R.T. -0.04 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Tgt Ion: 84 Resp: 28085

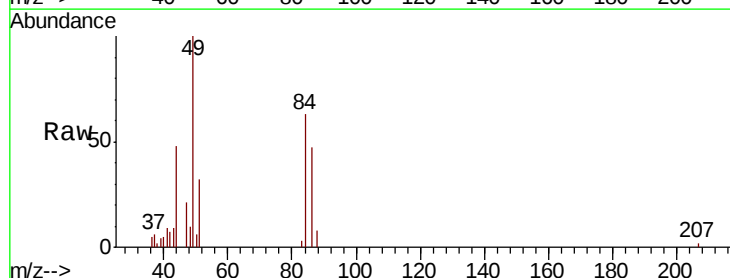
Ion Ratio Lower Upper

84 100

49 159.7 122.6 183.8

51 51.7 38.4 57.6

86 74.3 51.5 77.3

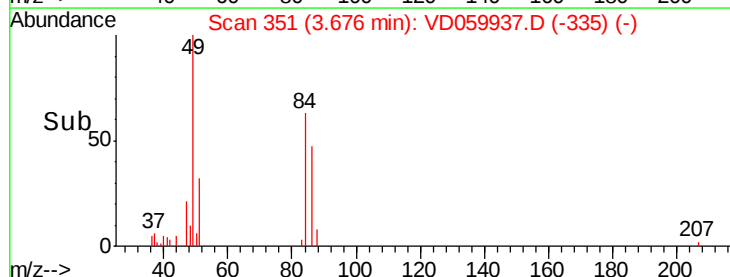
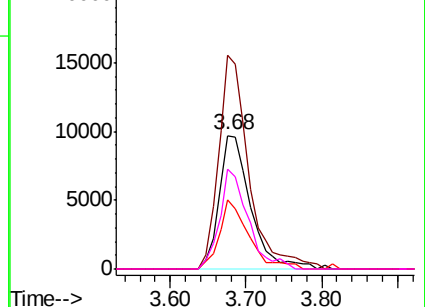


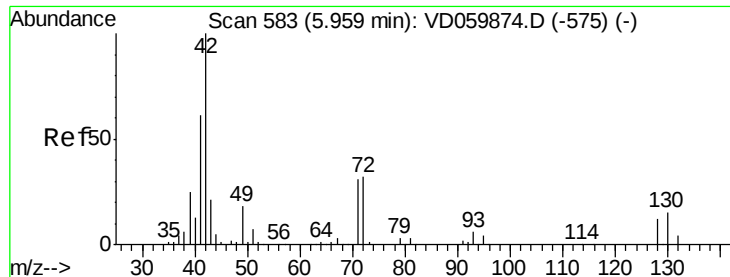
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.69 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

SU-01-082918-ARE

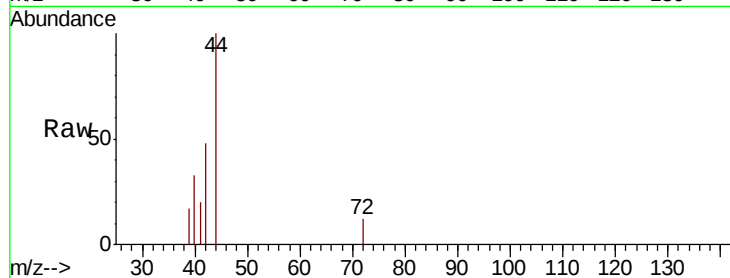
Tot Ion: 42 Resp: 3764

Ion Ratio Lower Upper

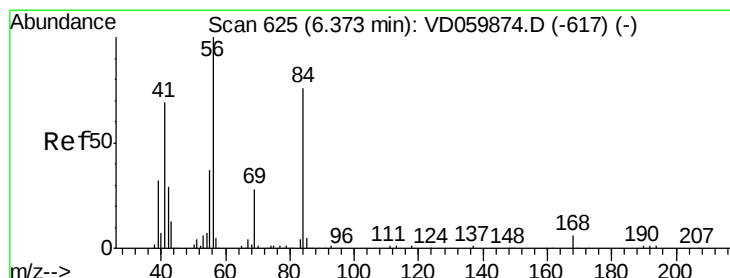
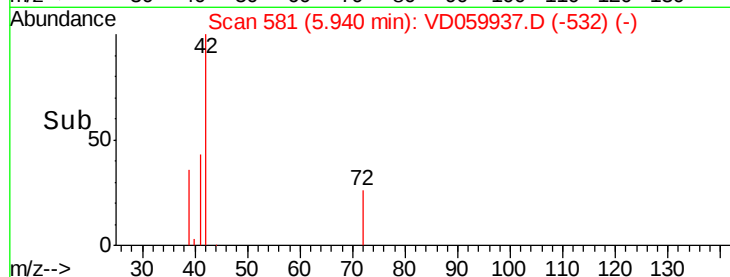
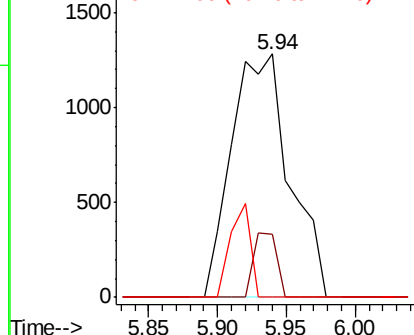
42 100

72 10.5 25.7 38.5#

71 13.1 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: 1.29 ug/l

RT: 6.37 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

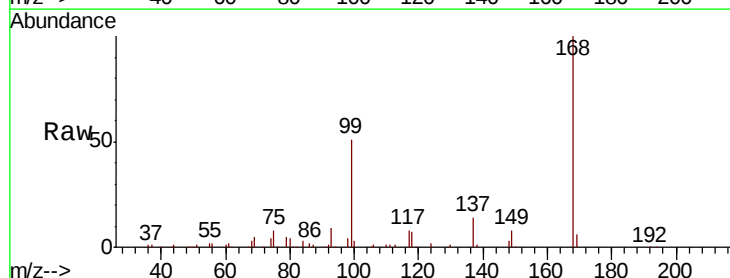
Tgt Ion: 56 Resp: 21313

Ion Ratio Lower Upper

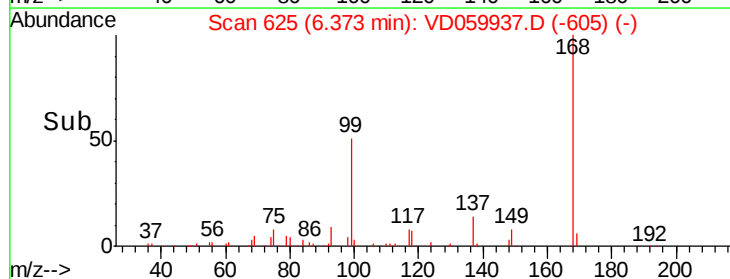
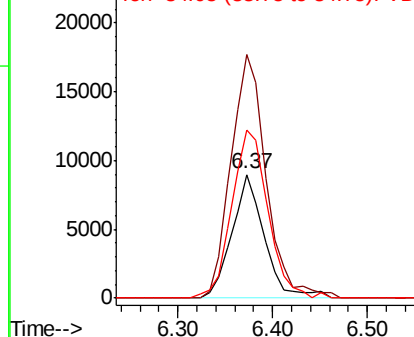
56 100

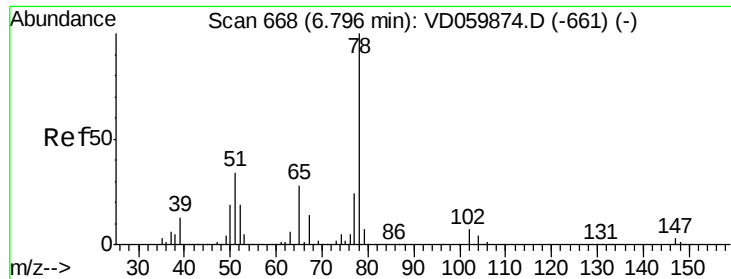
69 197.3 22.4 33.6#

84 136.7 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: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

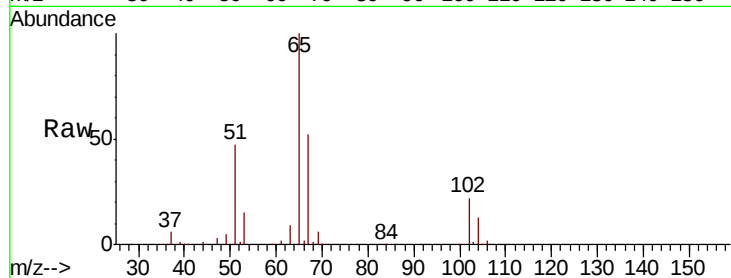
SU-01-082918-ARE

Tot Ion: 65 Resp: 425474

Ion Ratio Lower Upper

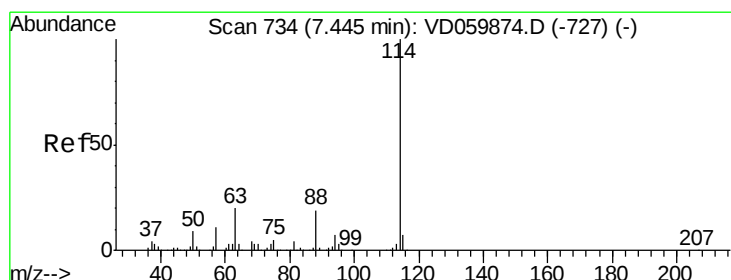
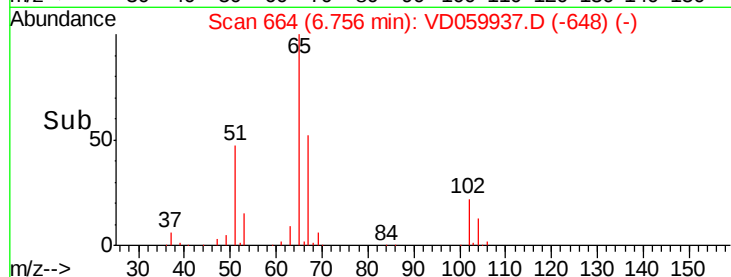
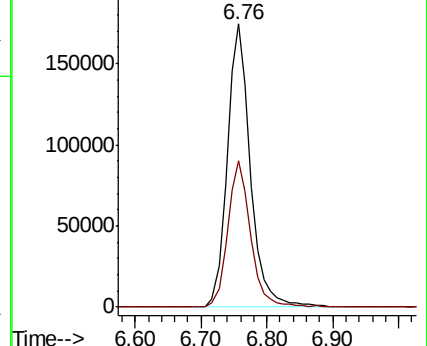
65 100

67 51.6 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: VD059937.D

Acq: 31 Aug 2018 15:53

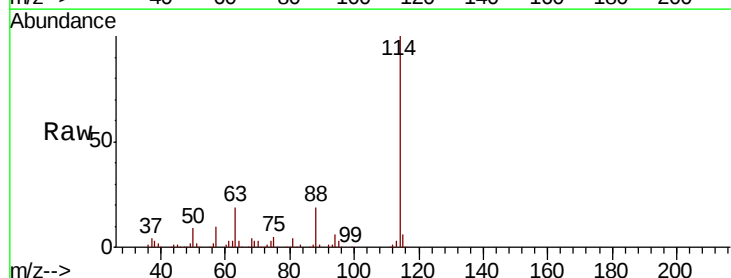
Tgt Ion: 114 Resp: 1467725

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

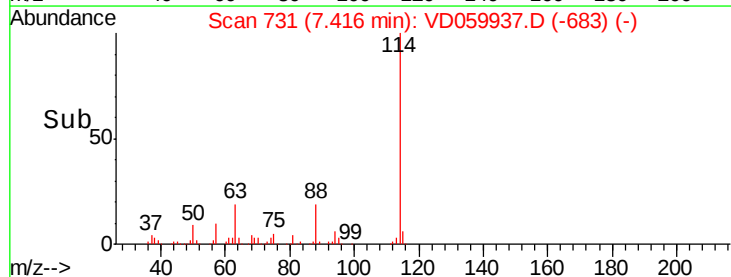
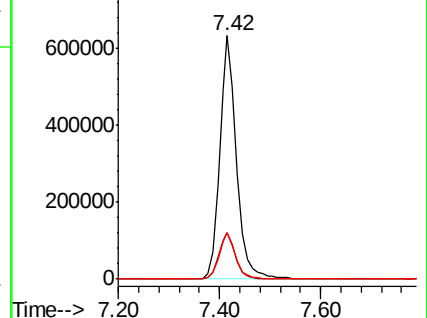
88 19.0 0.0 37.6

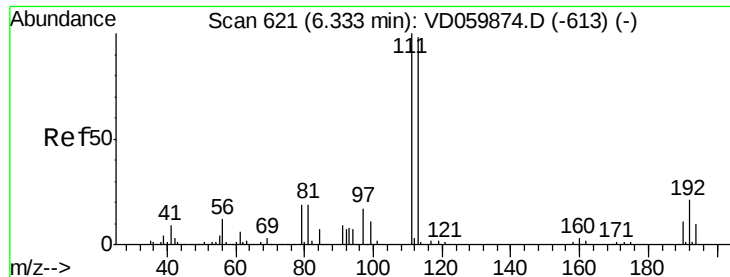


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.29 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

SU-01-082918-ARE

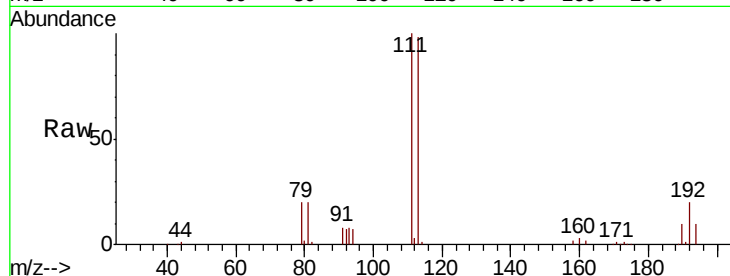
Tot Ion:113 Resp: 491540

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

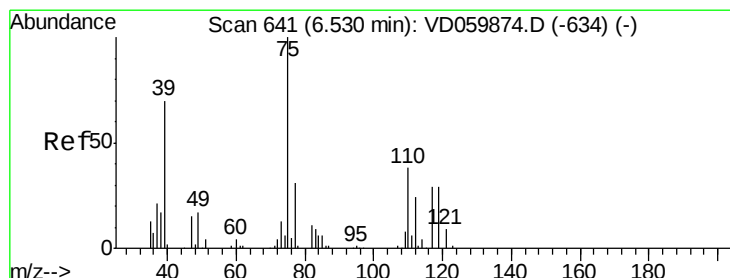
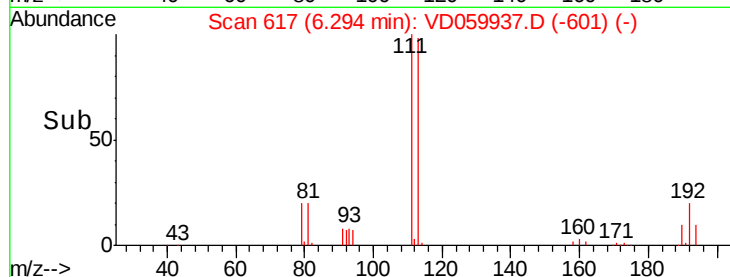
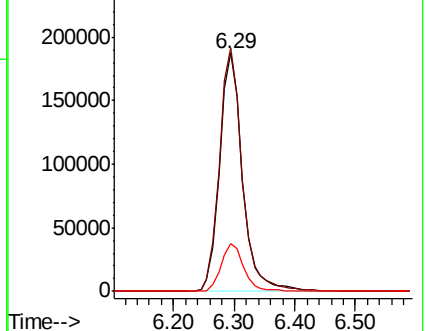
192 20.2 17.0 25.6



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: 5.70 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.16 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

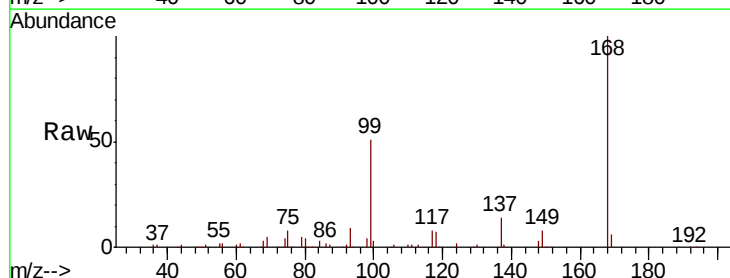
Tgt Ion: 75 Resp: 75850

Ion Ratio Lower Upper

75 100

110 8.1 18.6 56.0#

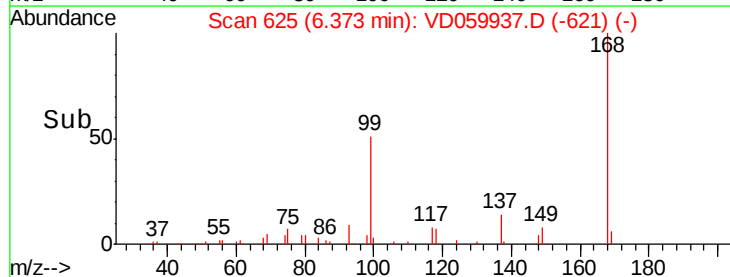
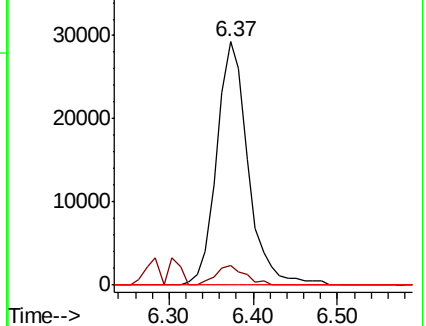
77 0.0 25.1 37.7#

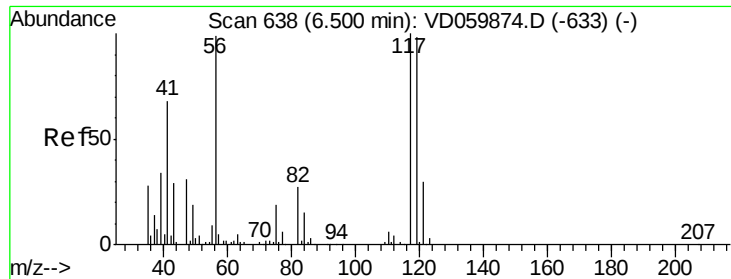


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

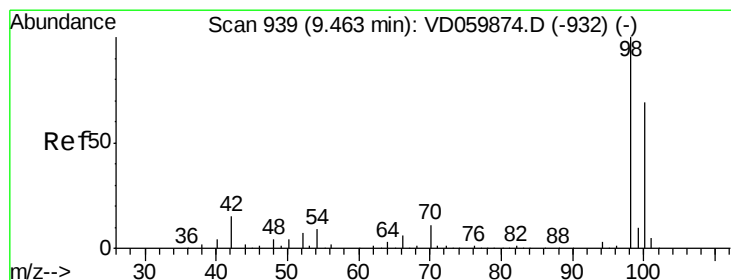
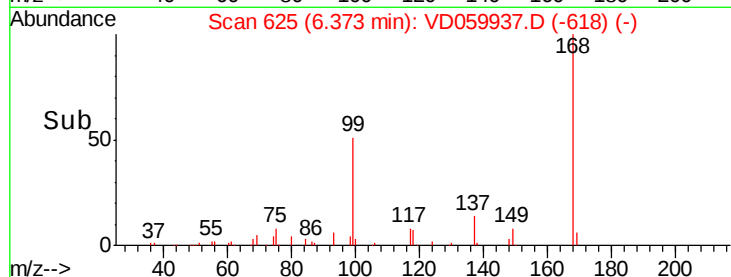
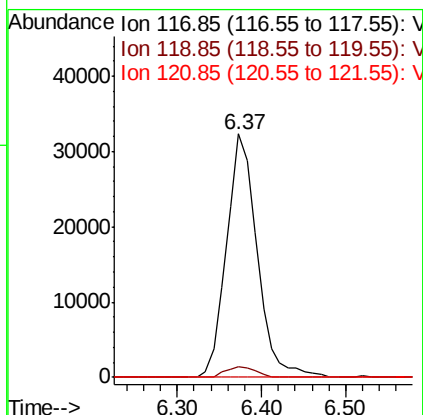
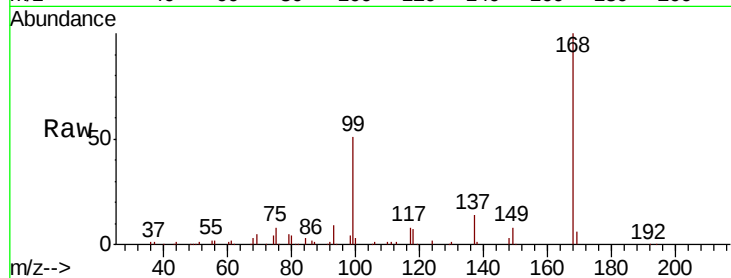




#38
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 6.37 min Scan# 625
Delta R.T. -0.13 min
Lab File: VD059937.D
Acq: 31 Aug 2018 15:53

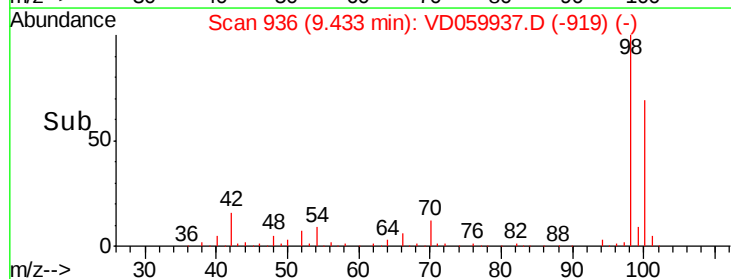
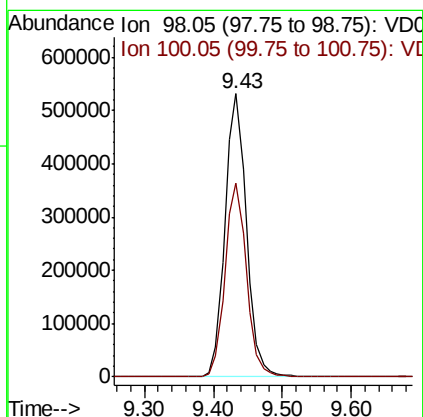
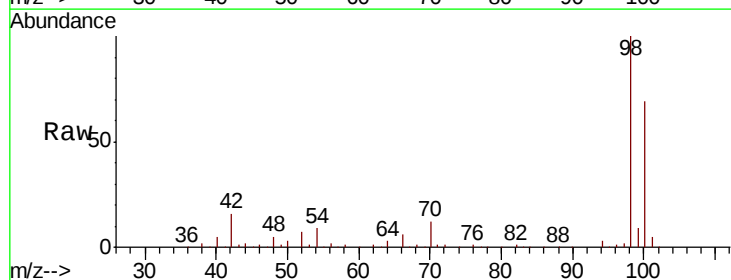
Instrument :
MSVOA_D
ClientSampleId :
SU-01-082918-ARE

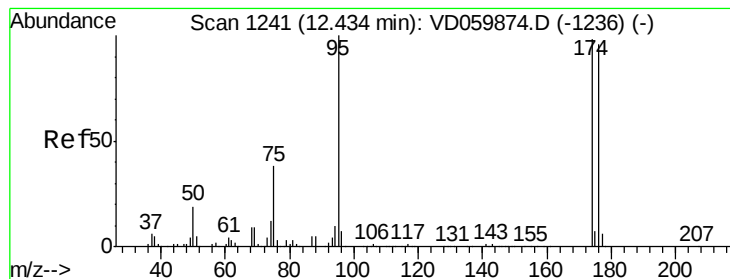
Tot Ion:117 Resp: 81665
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059937.D
Acq: 31 Aug 2018 15:53

Tgt Ion: 98 Resp: 1144349
Ion Ratio Lower Upper
98 100
100 68.6 55.8 83.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

SU-01-082918-ARE

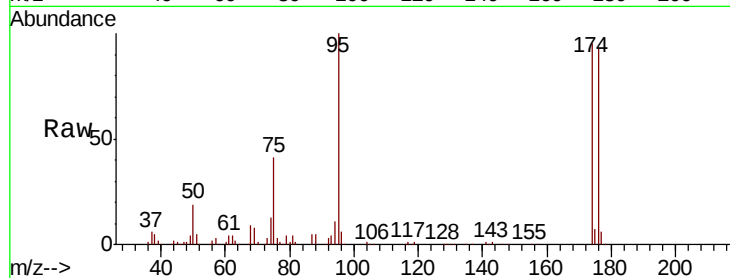
Tot Ion: 95 Resp: 362049

Ion Ratio Lower Upper

95 100

174 94.9 0.0 195.6

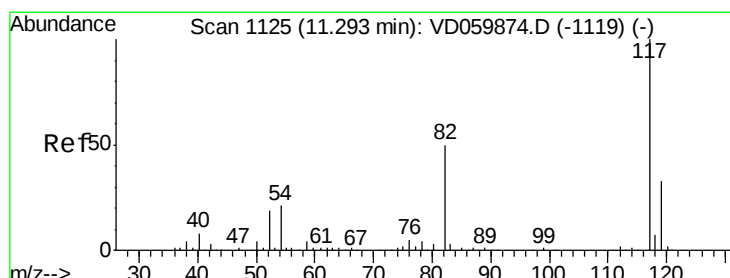
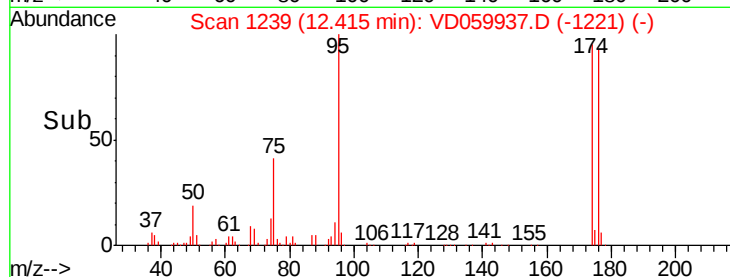
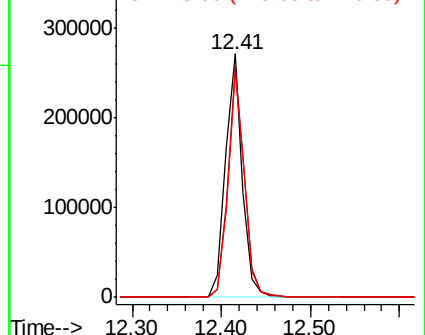
176 92.7 0.0 191.2



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: 50.00 ug/l

RT: 11.26 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

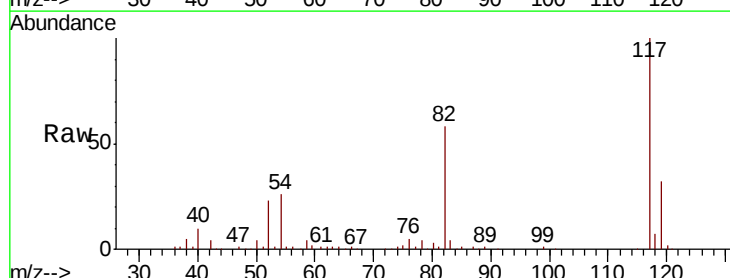
Tgt Ion: 117 Resp: 1012989

Ion Ratio Lower Upper

117 100

82 58.4 40.1 60.1

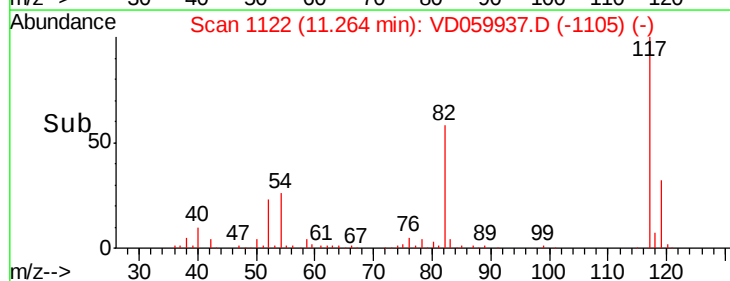
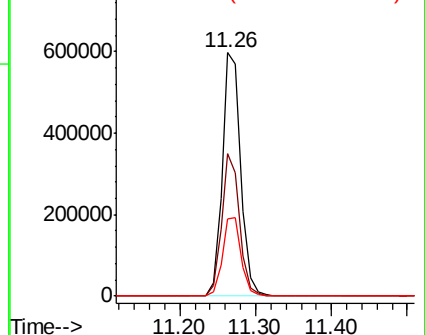
119 32.0 26.7 40.1

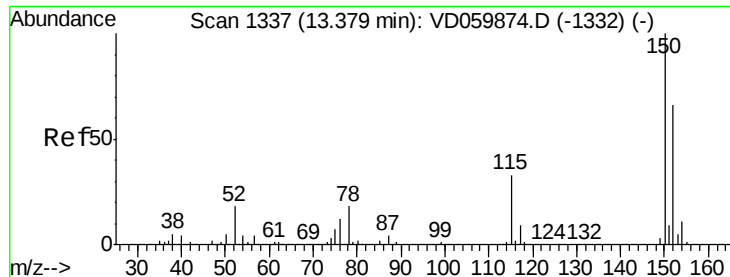


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

Instrument :

MSVOA_D

ClientSampleId :

SU-01-082918-ARE

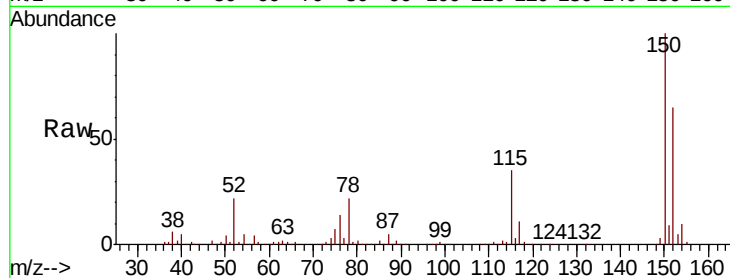
Tot Ion:152 Resp: 371798

Ion Ratio Lower Upper

152 100

115 53.3 25.7 77.0

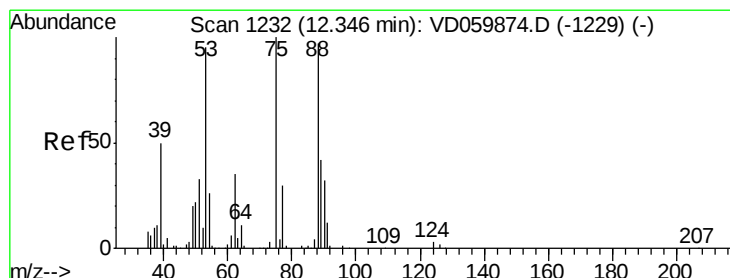
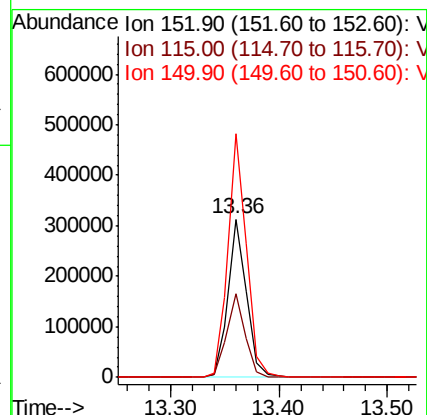
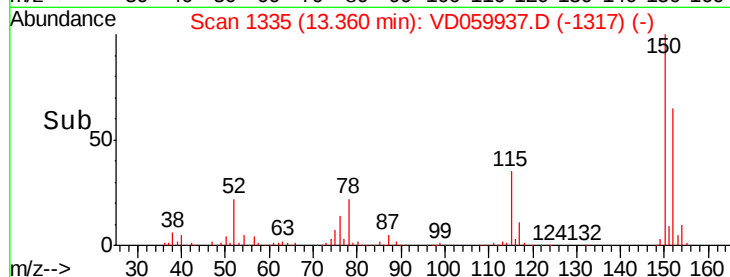
150 154.1 0.0 310.2



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: 85.43 ug/l

RT: 12.41 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059937.D

Acq: 31 Aug 2018 15:53

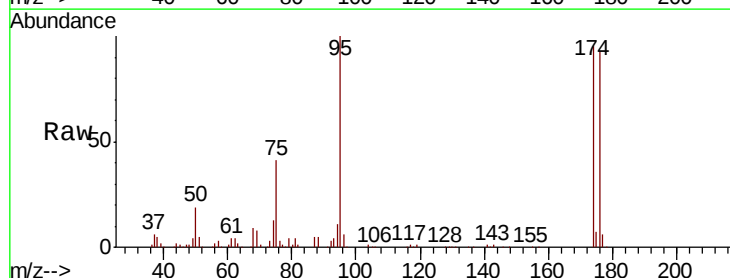
Tgt Ion: 75 Resp: 153564

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

