

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
 Data File : VX009139.D
 Acq On : 24 Apr 2019 12:50
 Operator : JC/SP
 Sample : K2535-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-TB-2019-1

Quant Time: Apr 25 05:20:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	220996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122471	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	149184	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	111013	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	8.71	98	443932	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.13	95	141340	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	

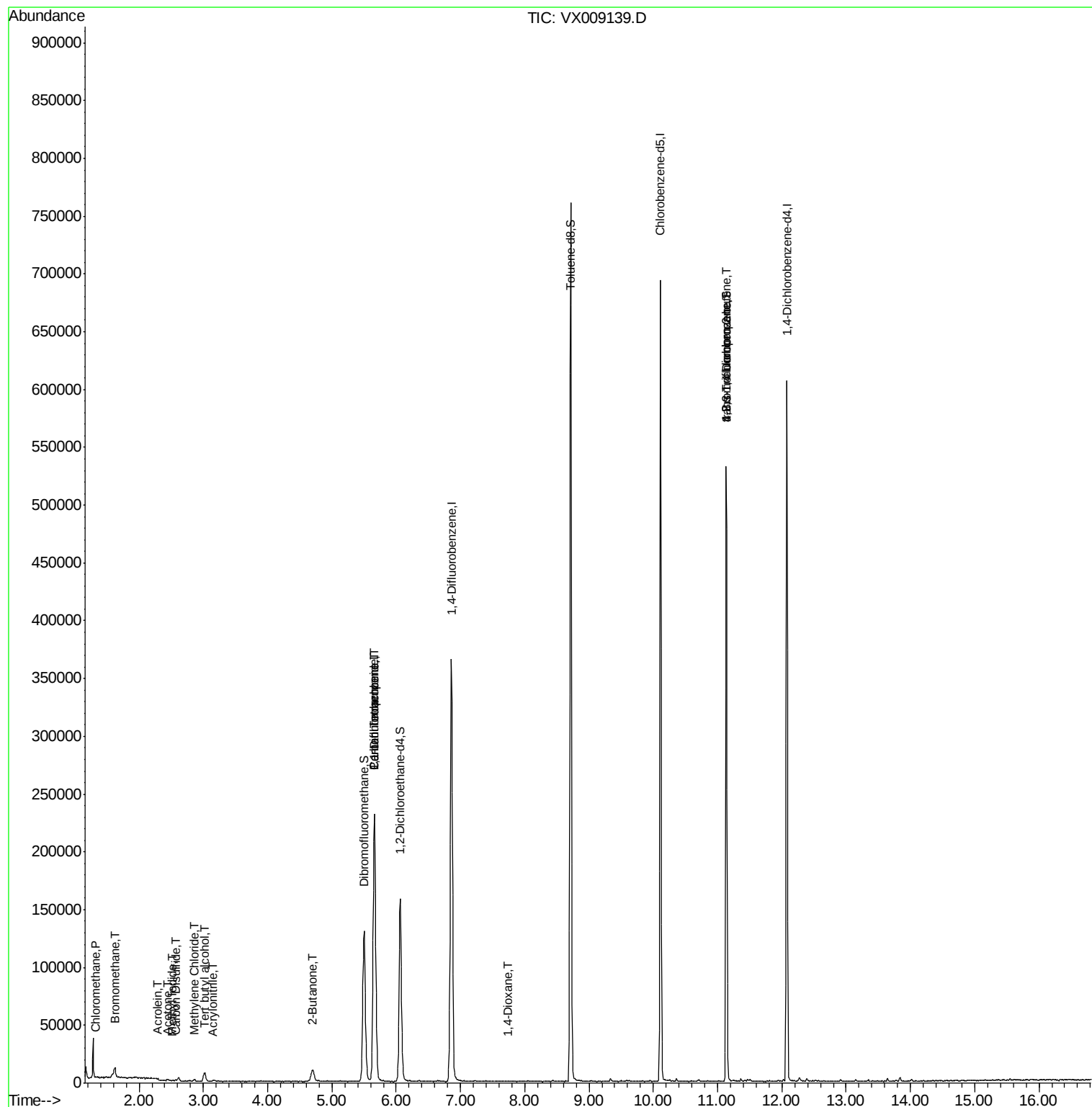
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	739	0.236	ug/l	98
5) Bromomethane	1.64	94	633	4.155	ug/l	94
10) Methyl Iodide	2.51	142	749	4.690	ug/l #	85
11) Tert butyl alcohol	3.02	59	5472	7.915	ug/l #	75
13) Acrolein	2.29	56	287	0.480	ug/l #	54
15) Acrylonitrile	3.16	53	636	0.362	ug/l #	81
16) Acetone	2.44	43	1882	1.165	ug/l	99
17) Carbon Disulfide	2.57	76	1715	1.493	ug/l #	72
20) Methylene Chloride	2.85	84	781	0.283	ug/l #	87
25) 2-Butanone	4.71	43	1244	0.482	ug/l	92
28) Bromochloromethane	5.00	49	111	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	17829	4.785	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21328	6.752	ug/l #	17
49) 1,4-Dioxane	7.73	88	38	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71198	23.808	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71198	61.122	ug/l #	11

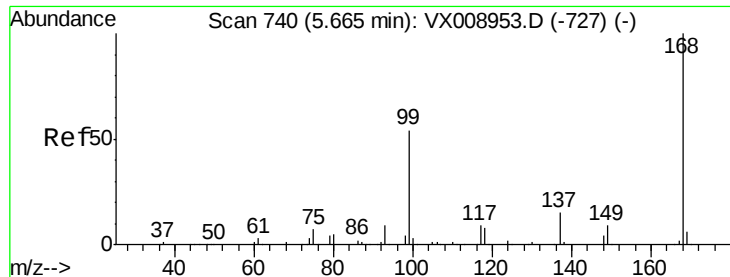
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

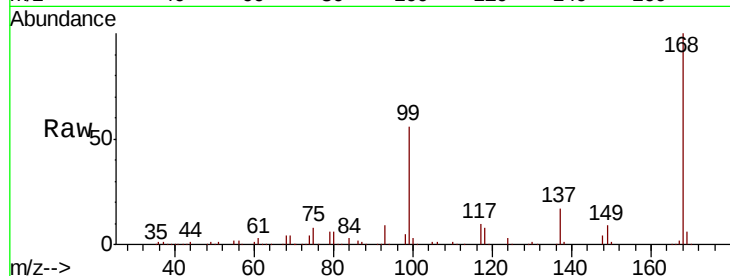
S37-TB-2019-1

Tgt Ion:168 Resp: 220996

Ion Ratio Lower Upper

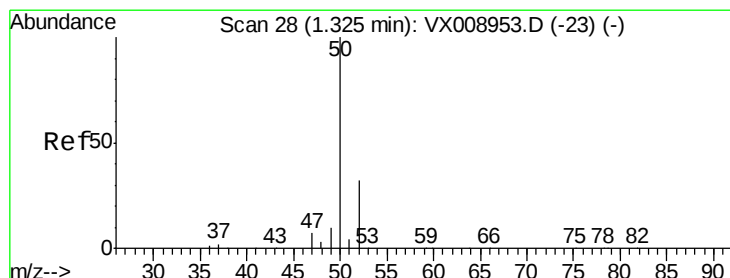
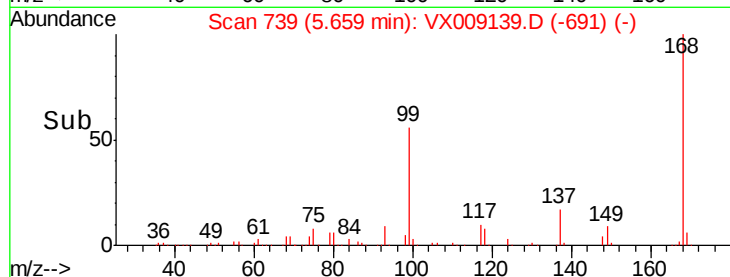
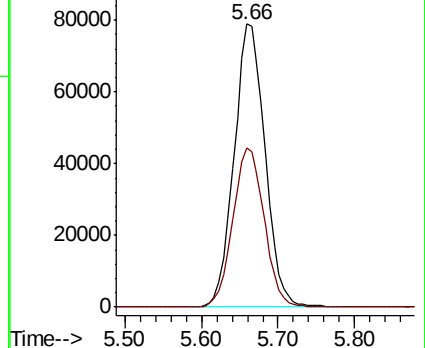
168 100

99 56.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009139.D

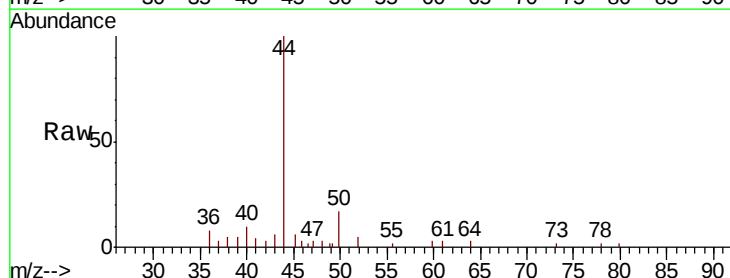
Acq: 24 Apr 2019 12:50

Tgt Ion: 50 Resp: 739

Ion Ratio Lower Upper

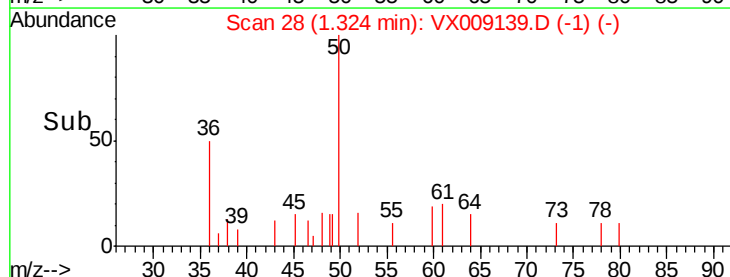
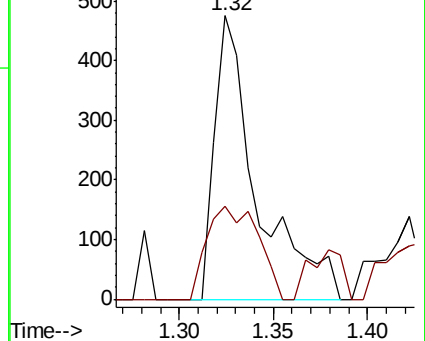
50 100

52 32.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 4.155 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

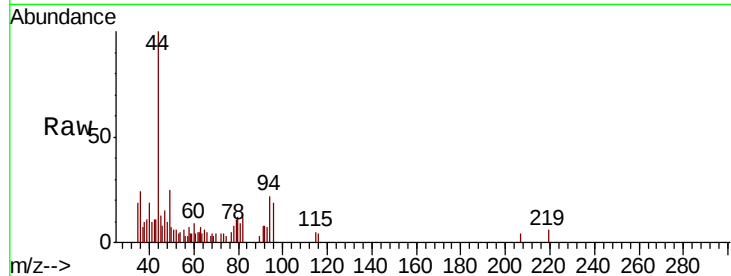
S37-TB-2019-1

Tgt Ion: 94 Resp: 633

Ion Ratio Lower Upper

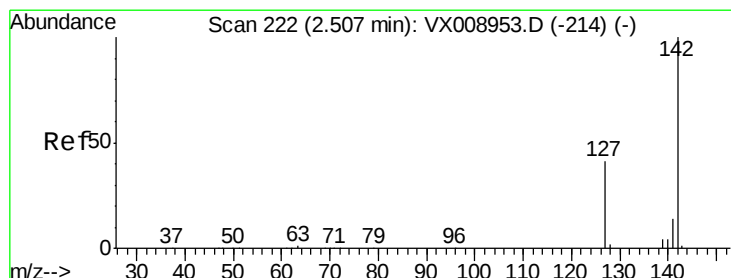
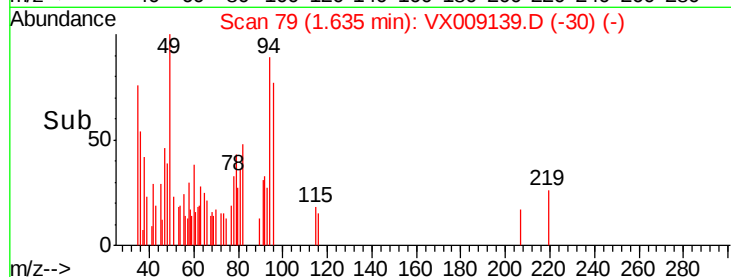
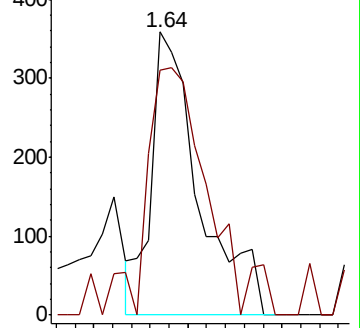
94 100

96 86.6 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.690 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

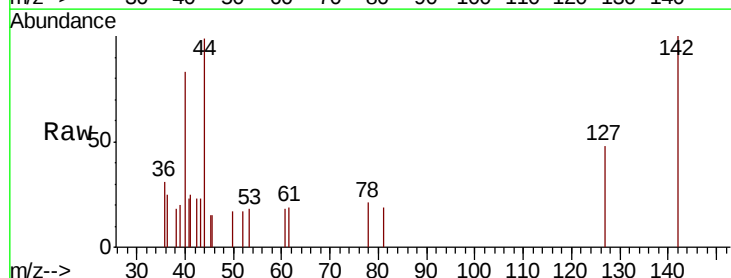
Tgt Ion: 142 Resp: 749

Ion Ratio Lower Upper

142 100

127 49.5 32.8 49.2#

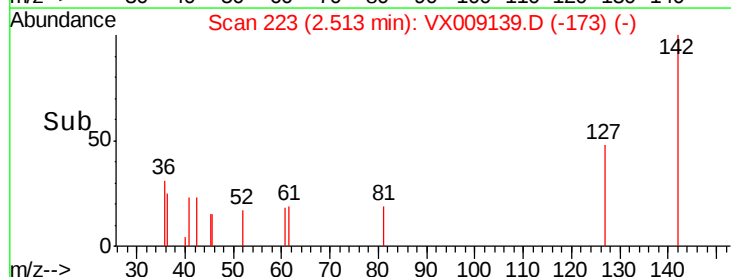
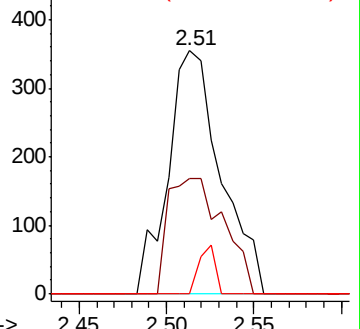
141 6.1 11.4 17.2#

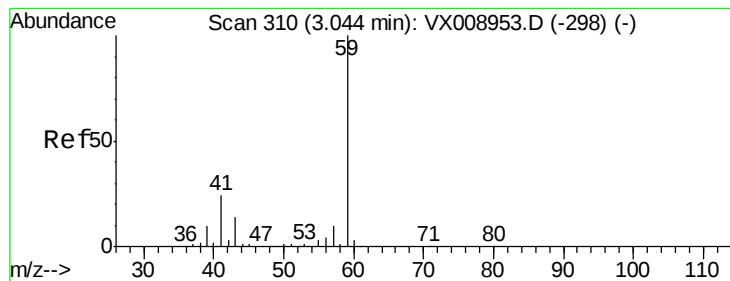


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



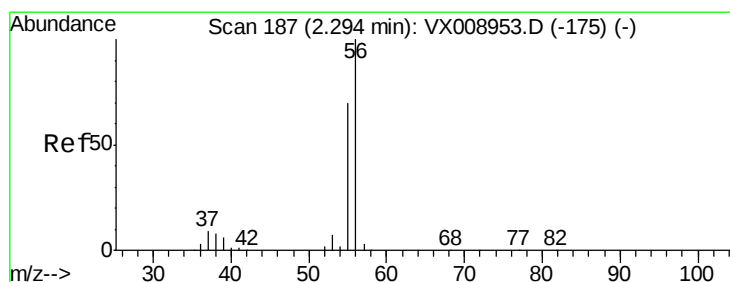
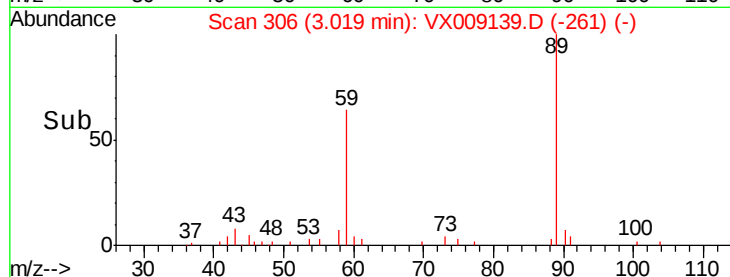
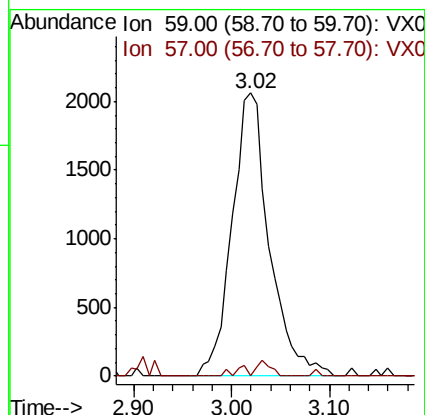
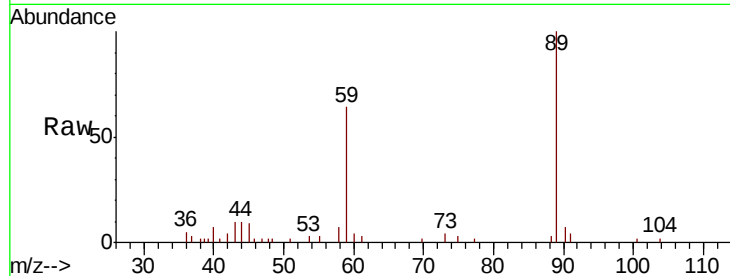


#11

Tert butyl alcohol
 Concen: 7.915 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009139.D
 Acq: 24 Apr 2019 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-TB-2019-1

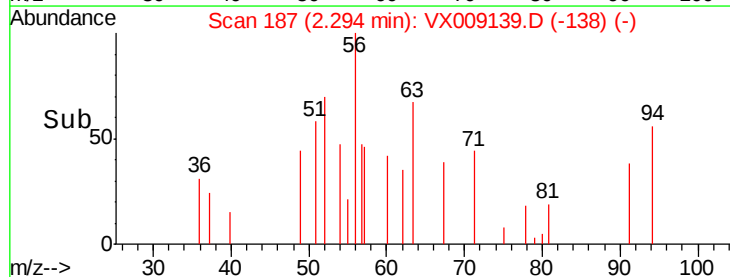
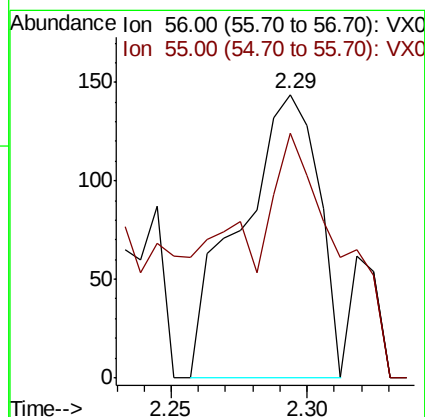
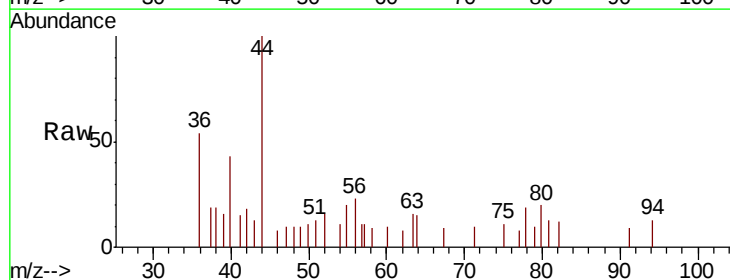
Tgt Ion: 59 Resp: 5472
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.4 12.6#

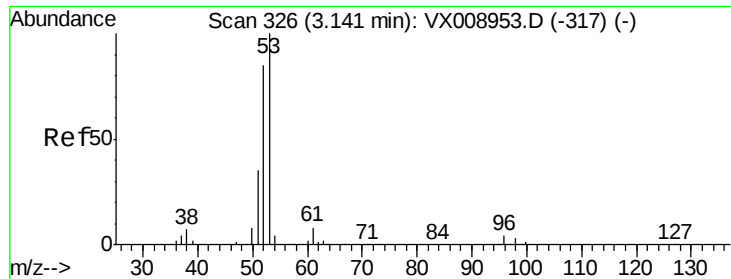


#13

Acrolein
 Concen: 0.480 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009139.D
 Acq: 24 Apr 2019 12:50

Tgt Ion: 56 Resp: 287
 Ion Ratio Lower Upper
 56 100
 55 108.7 56.6 84.8#





#15

Acrylonitrile

Concen: 0.362 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

S37-TB-2019-1

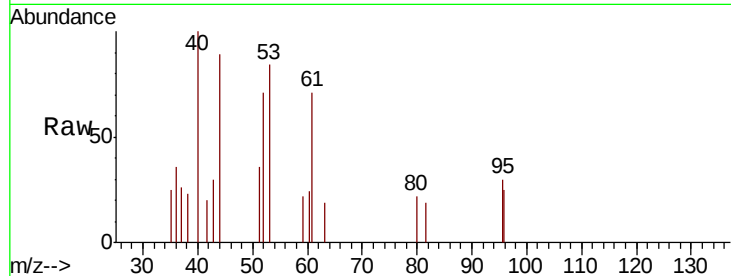
Tgt Ion: 53 Resp: 636

Ion Ratio Lower Upper

53 100

52 94.2 66.6 100.0

51 56.8 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.16

250

200

150

100

50

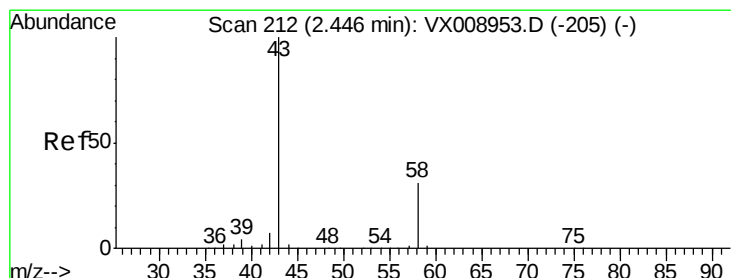
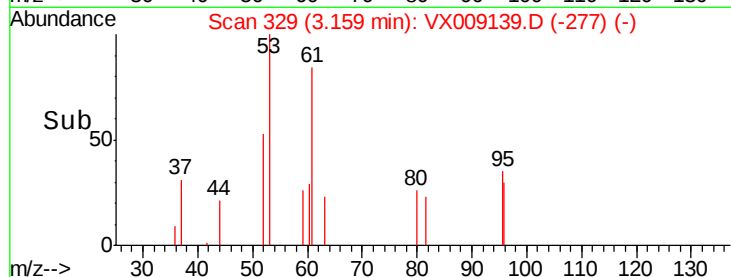
0

3.10

3.15

3.20

Time-->



#16

Acetone

Concen: 1.165 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009139.D

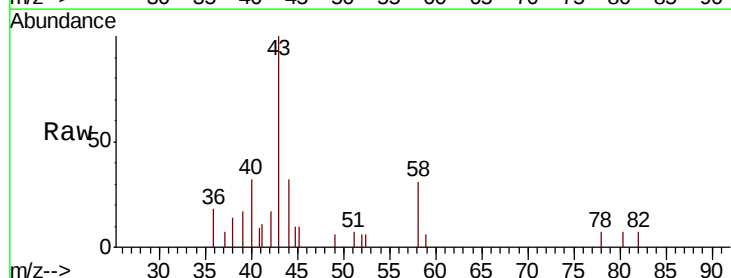
Acq: 24 Apr 2019 12:50

Tgt Ion: 43 Resp: 1882

Ion Ratio Lower Upper

43 100

58 30.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

1000

800

600

400

200

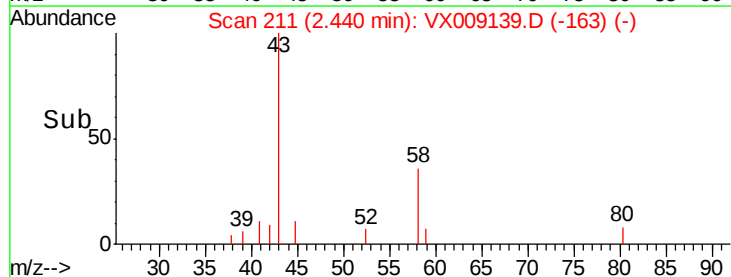
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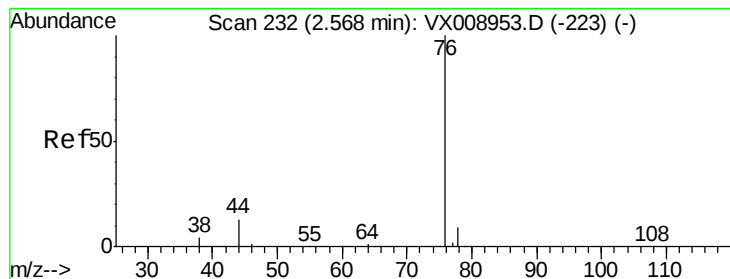
2.40

2.45

2.50

Time-->





#17

Carbon Disulfide

Concen: 1.493 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

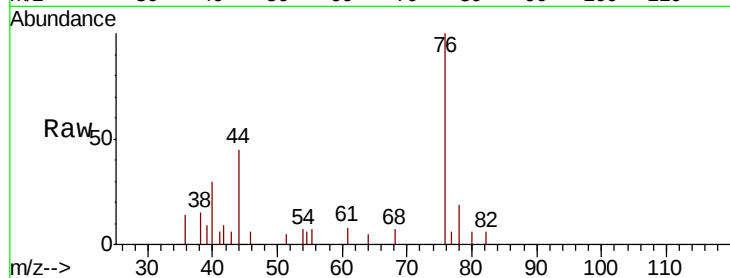
S37-TB-2019-1

Tgt Ion: 76 Resp: 1715

Ion Ratio Lower Upper

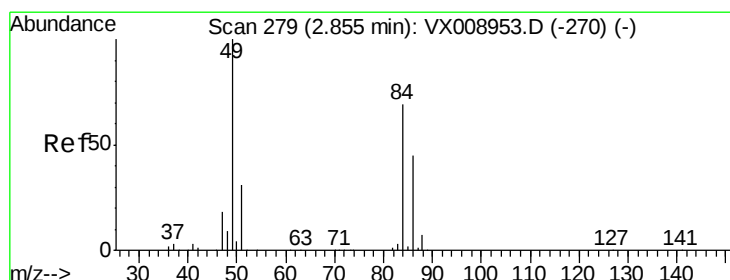
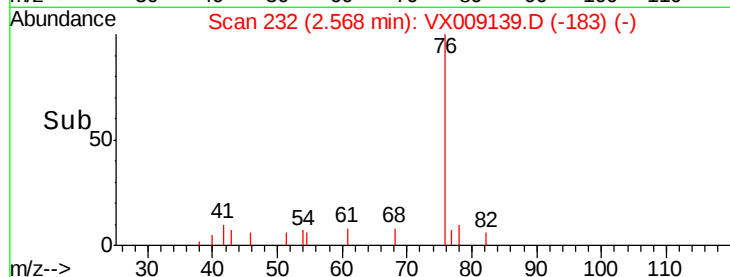
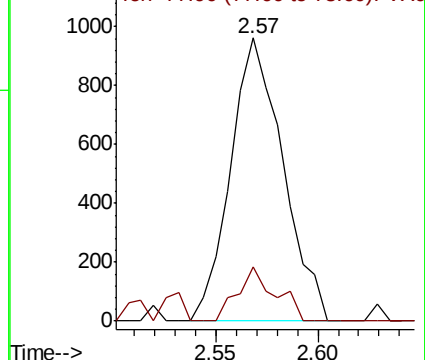
76 100

78 19.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.283 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Tgt Ion: 84 Resp: 781

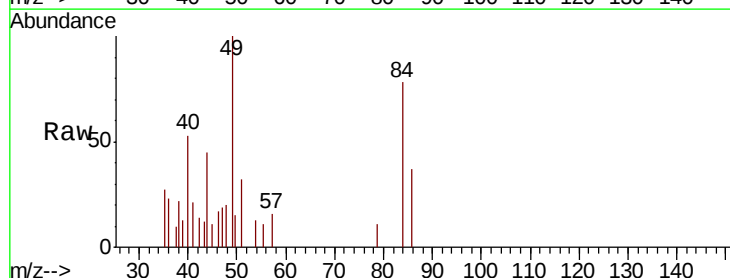
Ion Ratio Lower Upper

84 100

49 129.0 115.4 173.0

51 41.3 35.8 53.6

86 48.0 52.1 78.1#

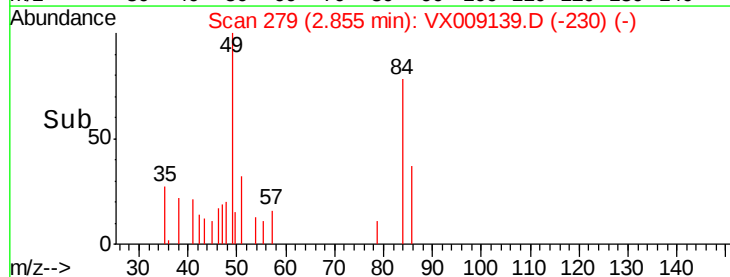
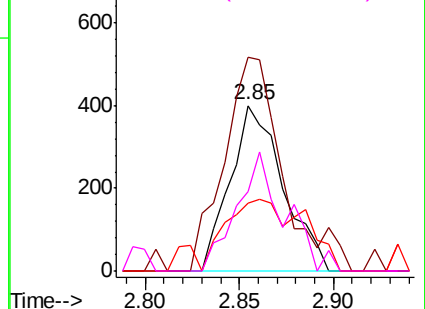


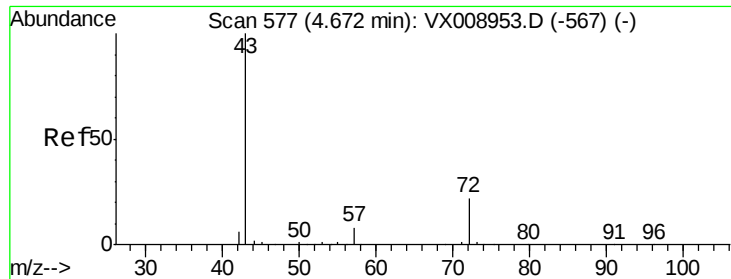
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.482 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

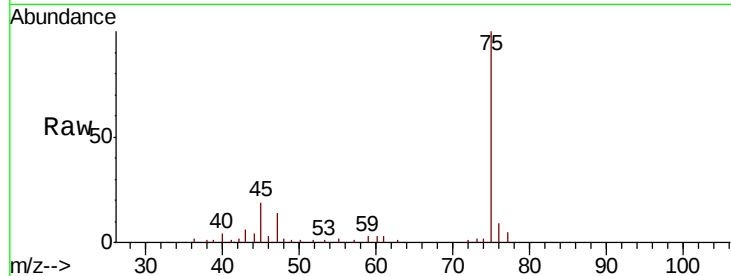
Instrument :
MSVOA_X
ClientSampleId :
S37-TB-2019-1

Tgt Ion: 43 Resp: 1244

Ion Ratio Lower Upper

43 100

72 17.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

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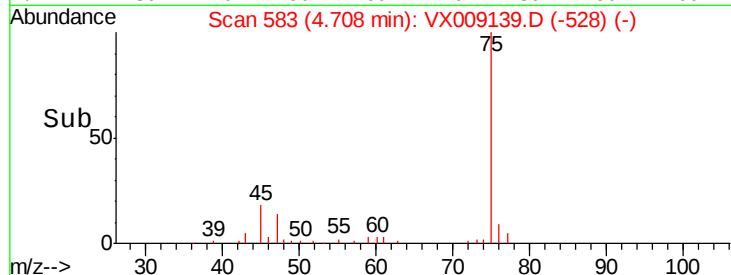
4.71

4.71

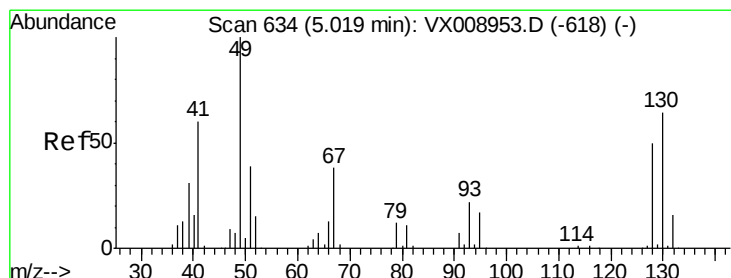
4.71

4.71

4.71



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

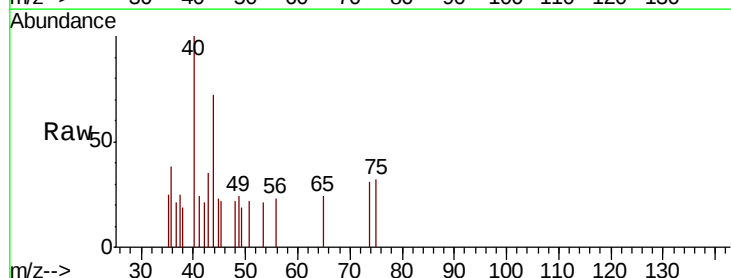
Tgt Ion: 49 Resp: 111

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5.00

5.00

5.00

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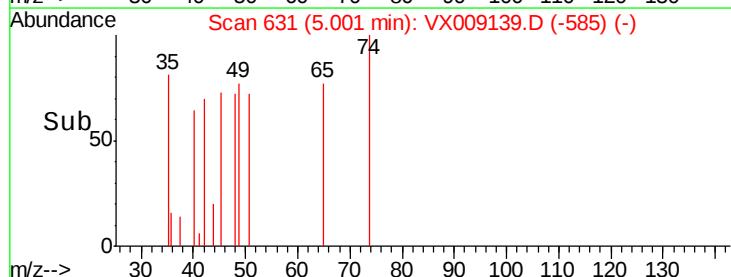
5.00

5.00

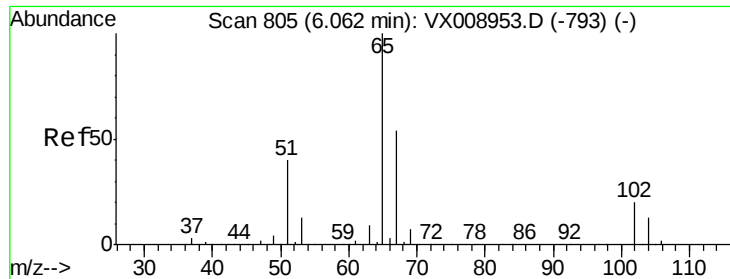
5.00

5.00

5.00



Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.900 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

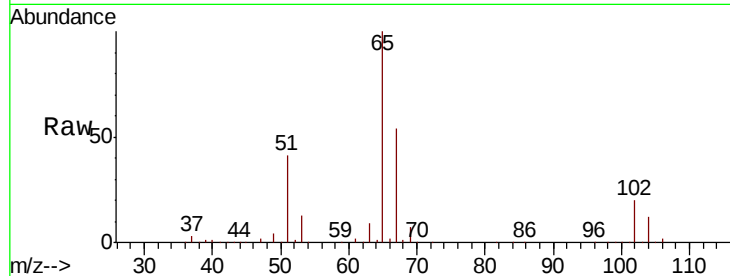
S37-TB-2019-1

Tgt Ion: 65 Resp: 149184

Ion Ratio Lower Upper

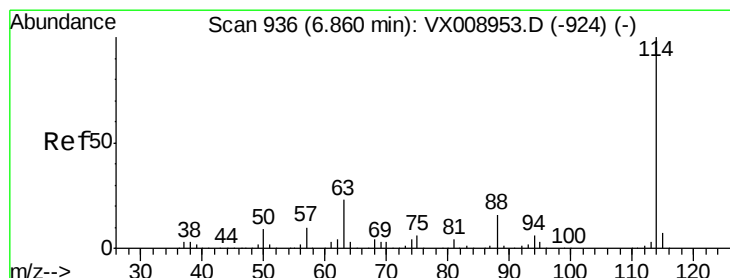
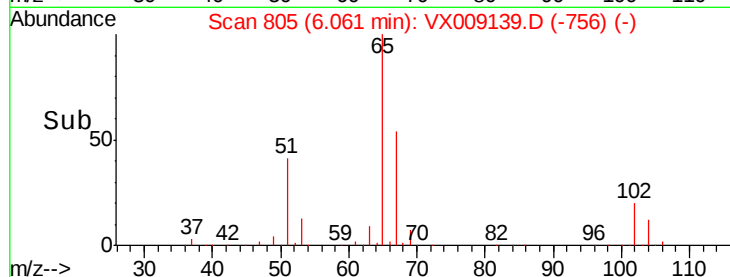
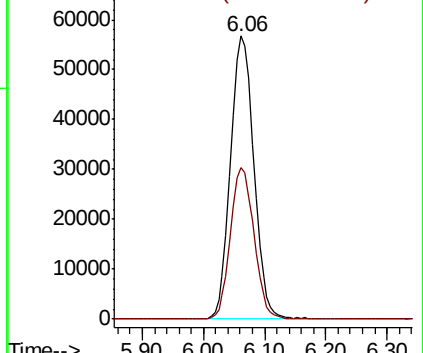
65 100

67 54.0 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

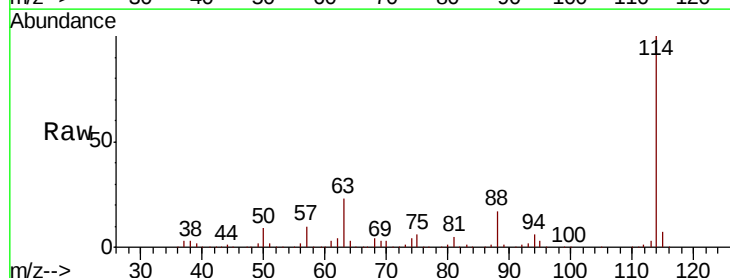
Tgt Ion: 114 Resp: 360256

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.0

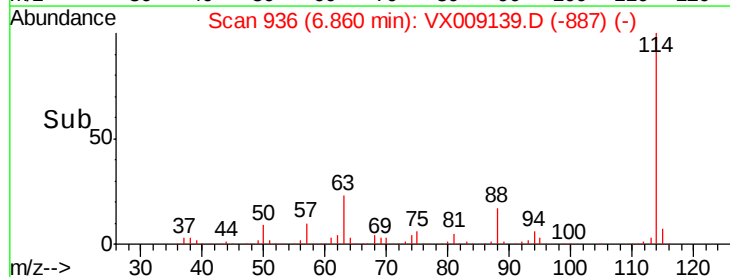
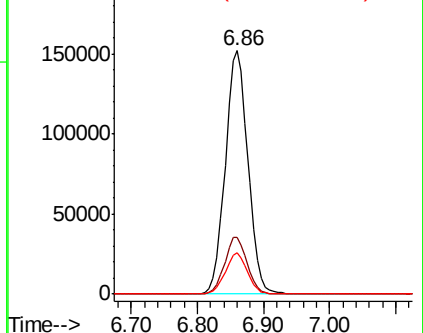
88 16.8 0.0 32.6

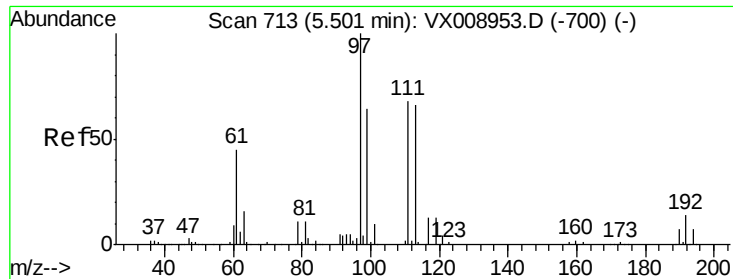


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

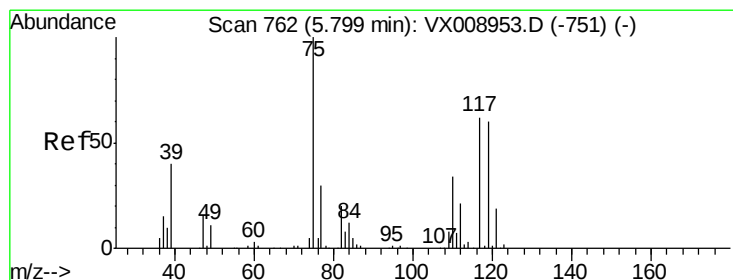
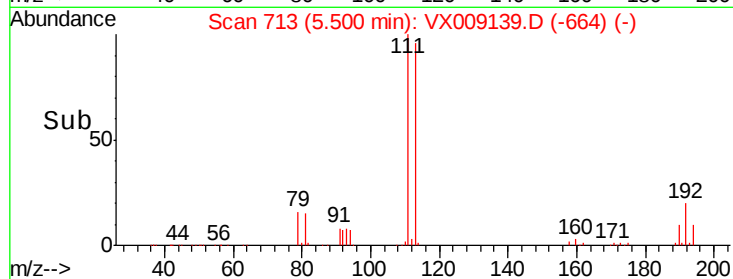
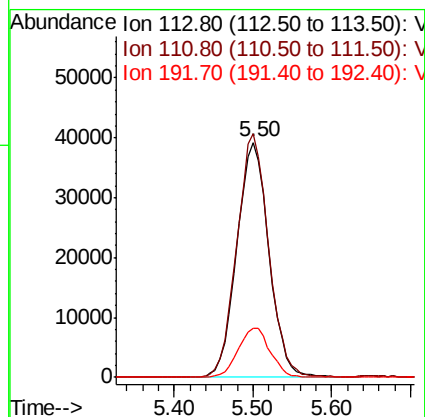
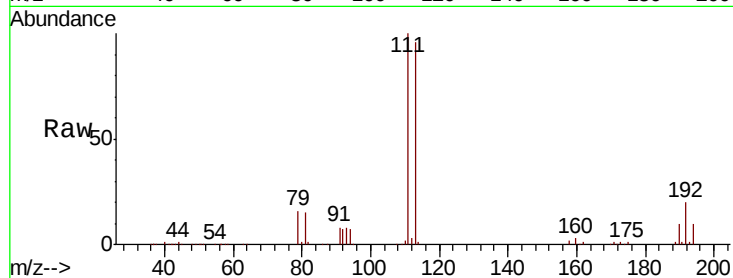




#35
Dibromofluoromethane
Concen: 48.015 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009139.D
Acq: 24 Apr 2019 12:50

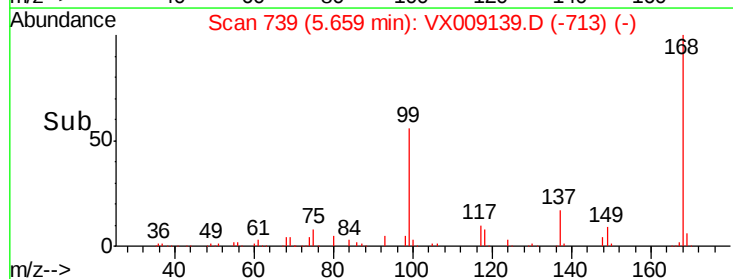
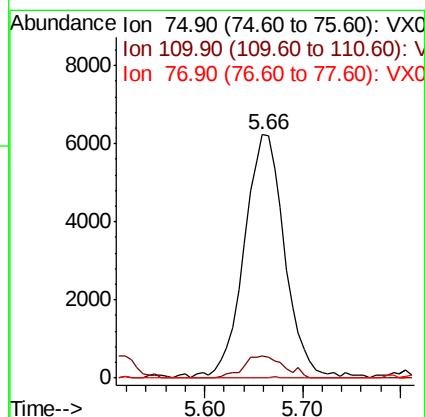
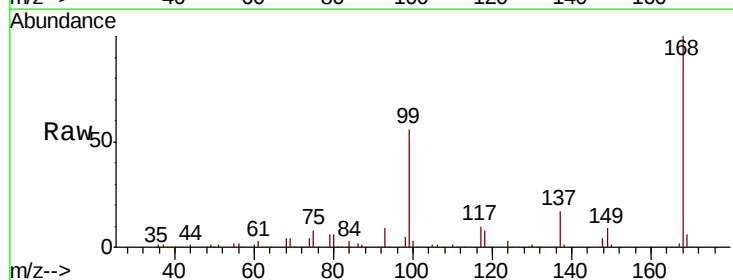
Instrument :
MSVOA_X
ClientSampleId :
S37-TB-2019-1

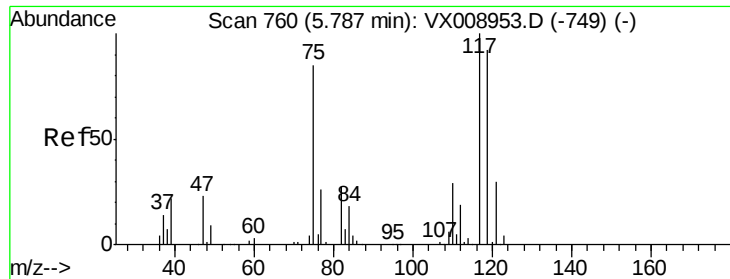
Tgt Ion:113 Resp: 111013
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 20.9 17.4 26.0



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009139.D
Acq: 24 Apr 2019 12:50

Tgt Ion: 75 Resp: 17829
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.1 25.0 37.4#

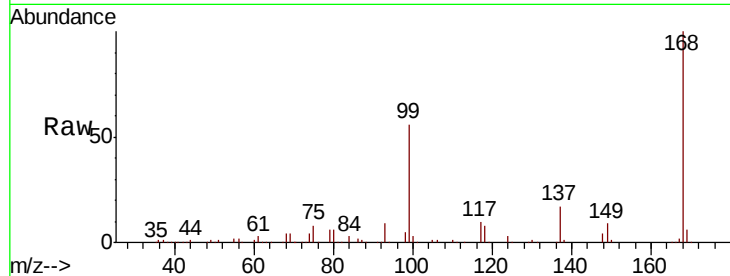




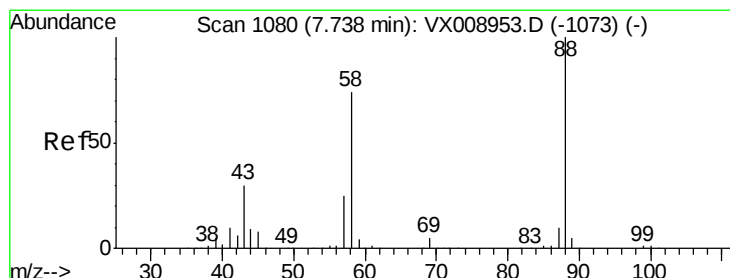
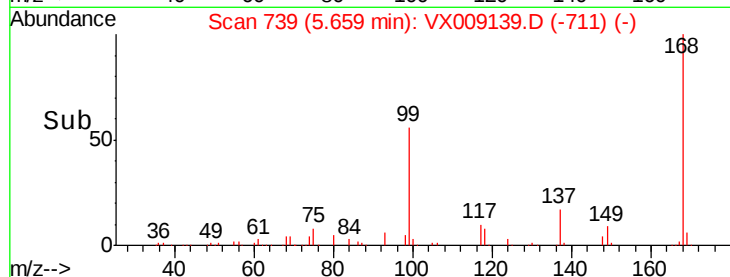
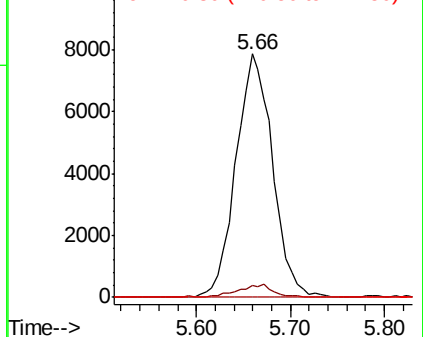
#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009139.D
Acq: 24 Apr 2019 12:50

Instrument :
MSVOA_X
ClientSampleId :
S37-TB-2019-1

Tgt Ion: 117 Resp: 21328
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.8#
121 0.0 23.6 35.4#

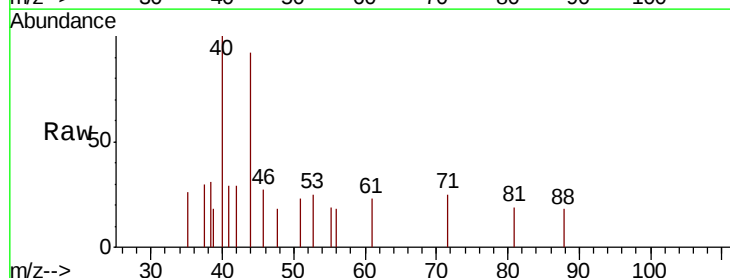


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

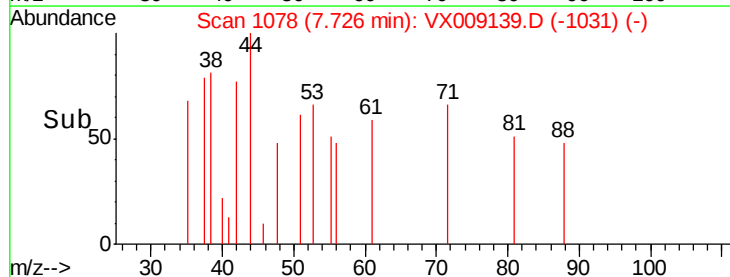
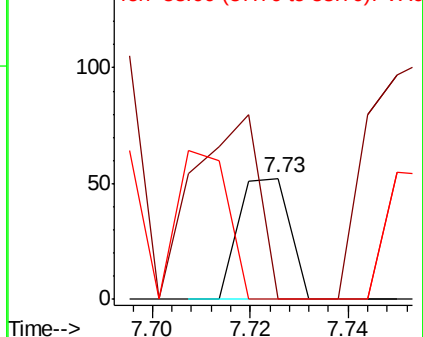


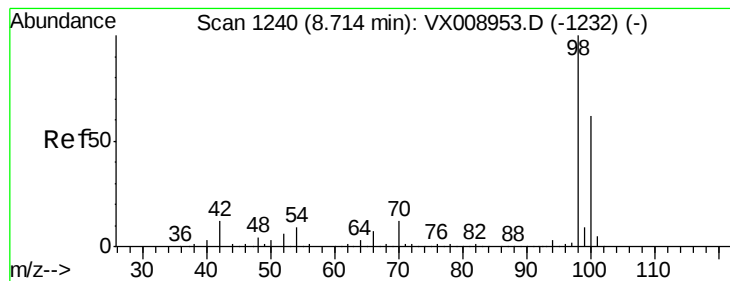
#49
1,4-Dioxane
Concen: 0.532 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX009139.D
Acq: 24 Apr 2019 12:50

Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 192.1 29.3 43.9#
58 0.0 62.6 93.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.146 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

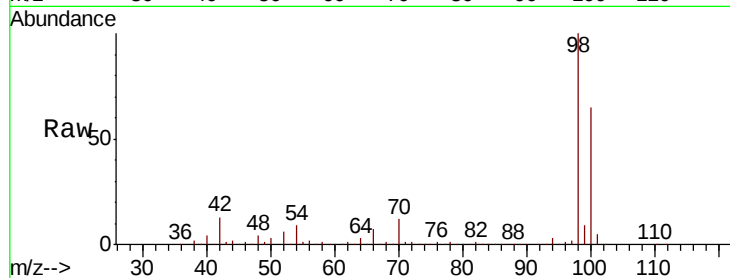
S37-TB-2019-1

Tgt Ion: 98 Resp: 443932

Ion Ratio Lower Upper

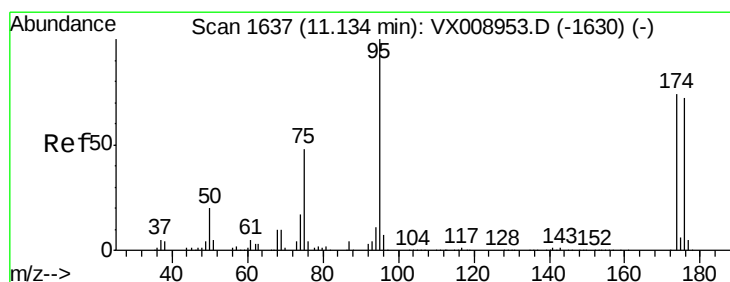
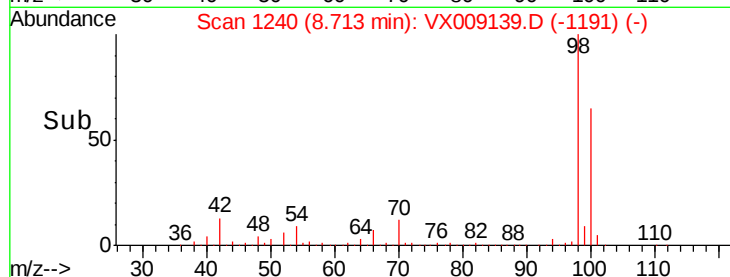
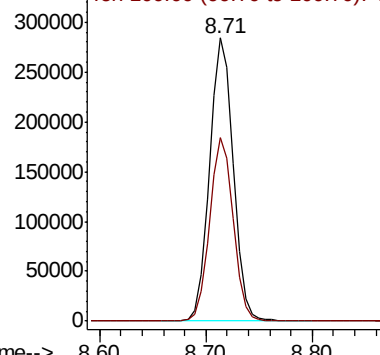
98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.424 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009139.D

Acq: 24 Apr 2019 12:50

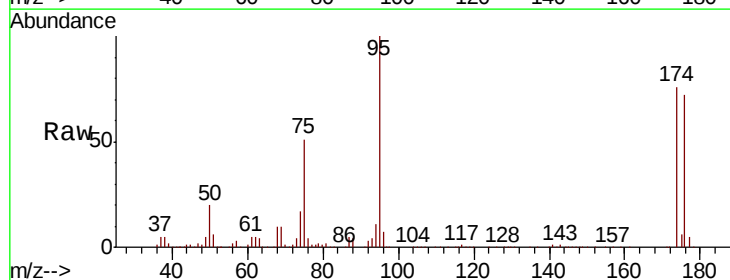
Tgt Ion: 95 Resp: 141340

Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.6

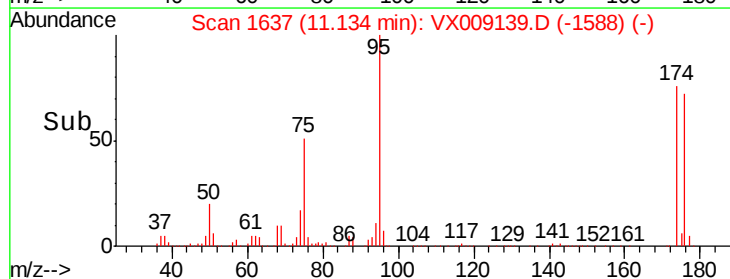
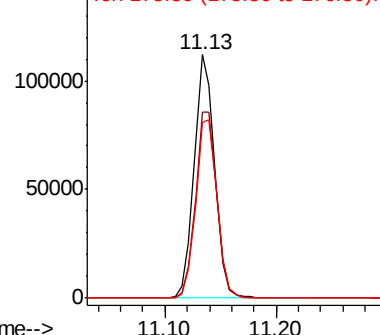
176 76.8 0.0 154.8

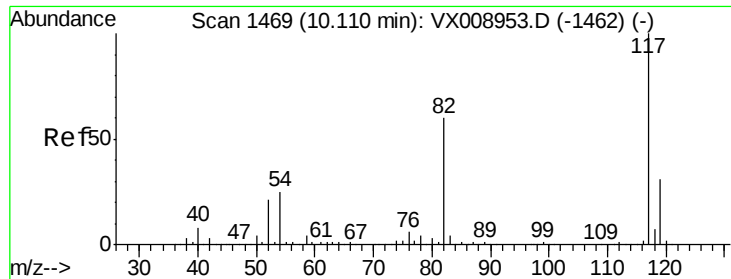


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

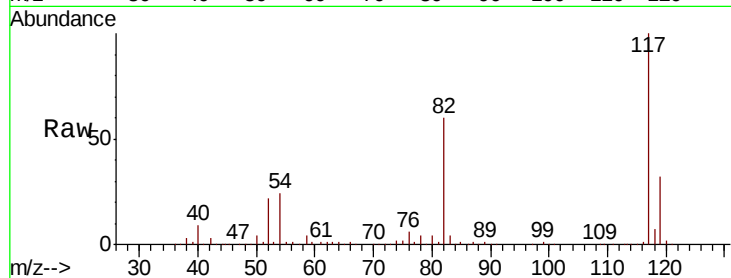




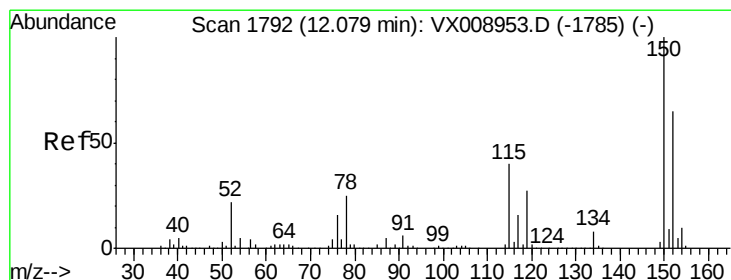
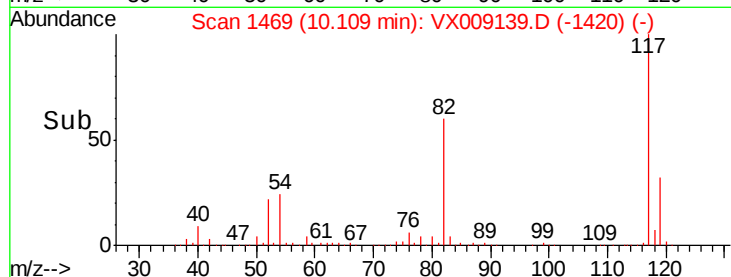
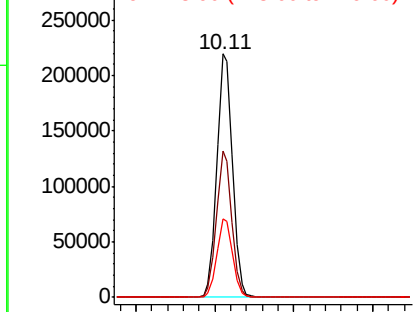
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009139.D
Acq: 24 Apr 2019 12:50

Instrument :
MSVOA_X
ClientSampleId :
S37-TB-2019-1

Tgt Ion:117 Resp: 304200
Ion Ratio Lower Upper
117 100
82 60.2 48.2 72.4
119 32.1 25.0 37.6

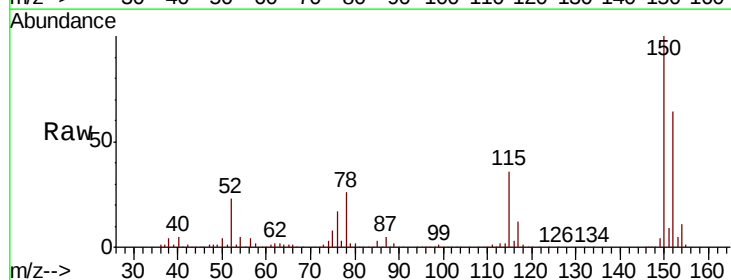


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

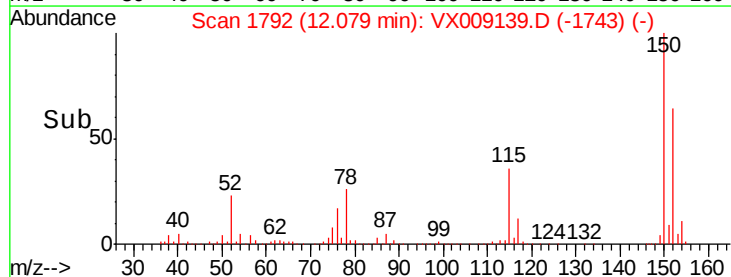
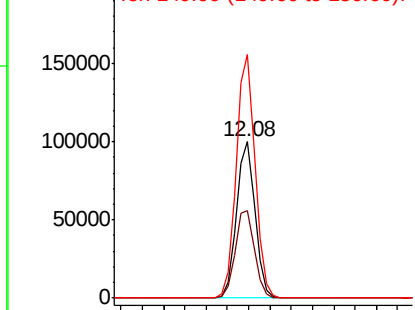


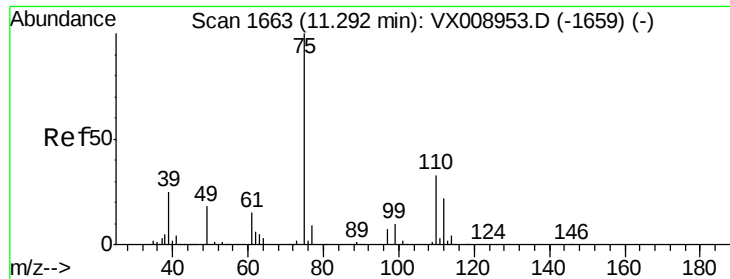
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009139.D
Acq: 24 Apr 2019 12:50

Tgt Ion:152 Resp: 122471
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 157.3 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

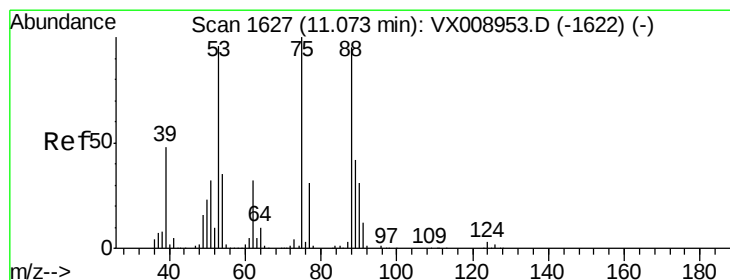
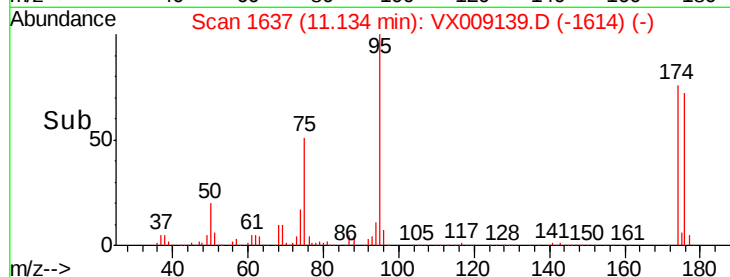
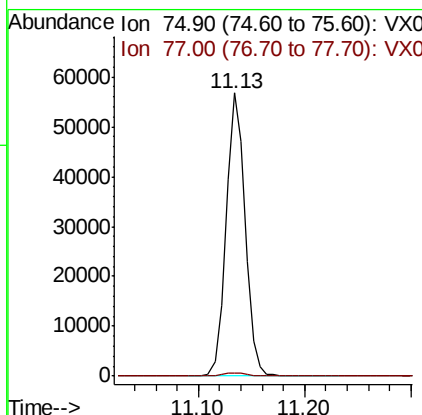
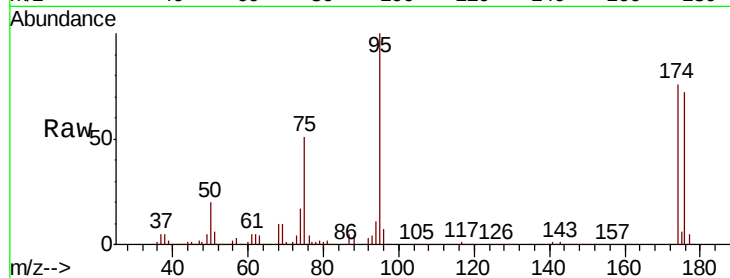




#76
 1,2,3-Trichloropropane
 Concen: 23.808 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009139.D
 Acq: 24 Apr 2019 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-TB-2019-1

Tgt Ion: 75 Resp: 71198
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.122 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009139.D
 Acq: 24 Apr 2019 12:50

Tgt Ion: 75 Resp: 71198
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.0 36.0 54.0#

