

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012083.D
 Acq On : 05 Sep 2019 06:37
 Operator : SY/SP
 Sample : K4548-01
 Misc : 5.34g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-2-(0)

Quant Time: Sep 05 08:05:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	150462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75398	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	100838	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
35) Dibromofluoromethane	5.48	113	78504	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	306800	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.14	95	104990	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	

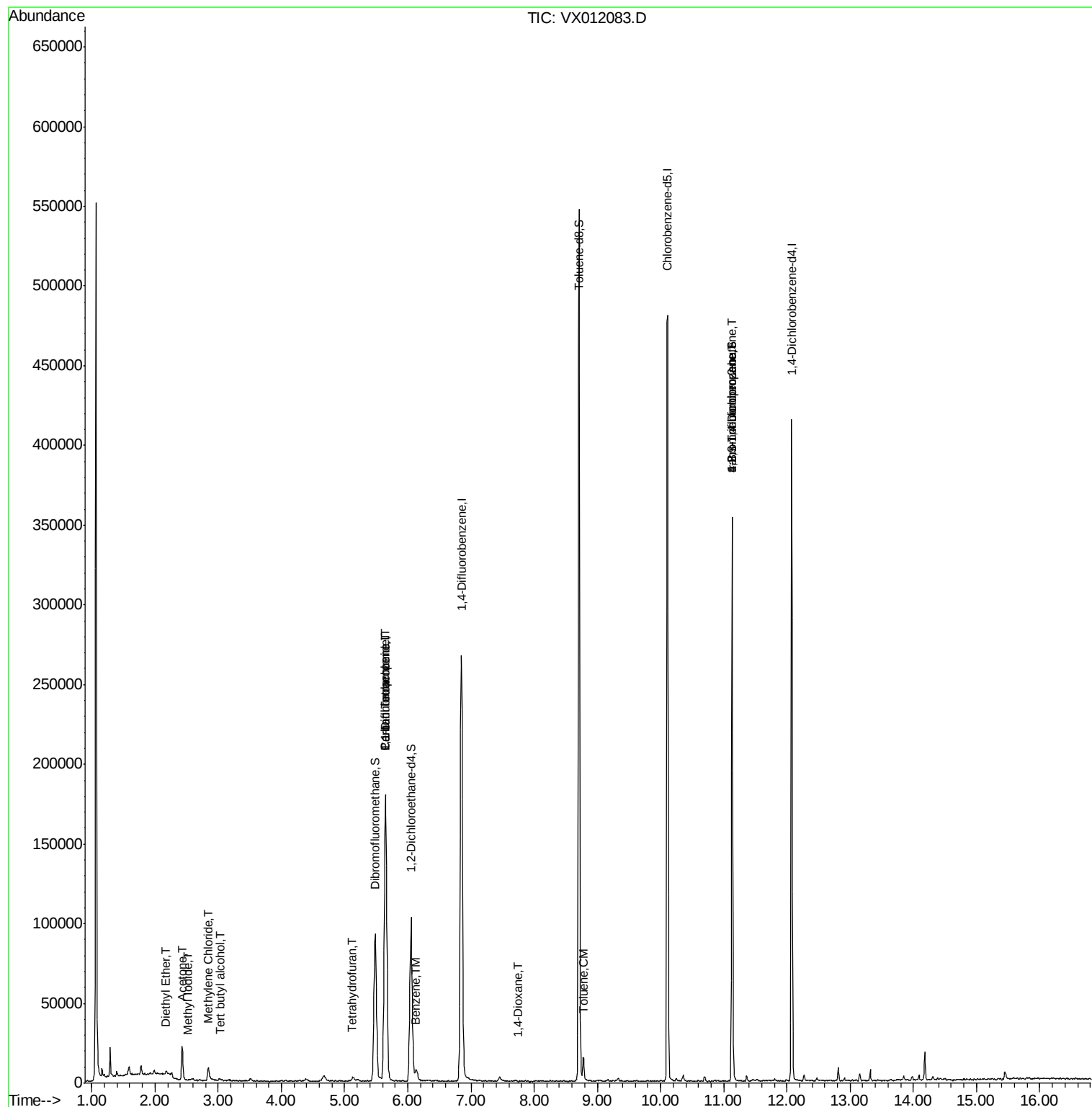
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	916	1.277	ug/l	88
10) Methyl Iodide	2.53	142	20	6.999	ug/l #	9
11) Tert butyl alcohol	3.03	59	1716	8.605	ug/l #	85
13) Acrolein	2.31	56	78	Below Cal	#	12
16) Acetone	2.43	43	22271	44.881	ug/l	99
20) Methylene Chloride	2.84	84	3576	1.795	ug/l #	77
29) Tetrahydrofuran	5.12	42	2561	6.729	ug/l	96
36) 1,1-Dichloropropene	5.65	75	14317	6.262	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17655	7.328	ug/l #	15
40) Benzene	6.13	78	8079	1.231	ug/l	96
49) 1,4-Dioxane	7.75	88	25	1.443	ug/l #	23
52) Toluene	8.78	92	4960	1.161	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	54105	58.730	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	54105	138.847	ug/l #	10

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

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Quant Time: Sep 05 08:05:39 2019
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QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampleId :

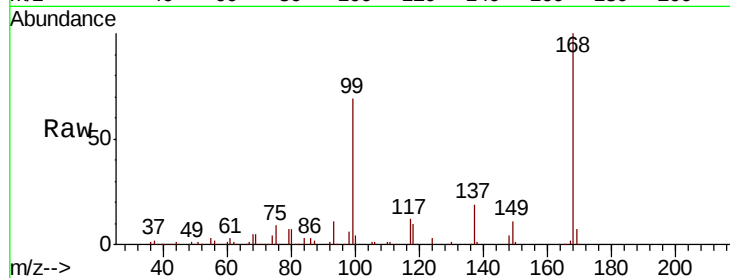
T11-2-(0)

Tgt Ion:168 Resp: 150462

Ion Ratio Lower Upper

168 100

99 69.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

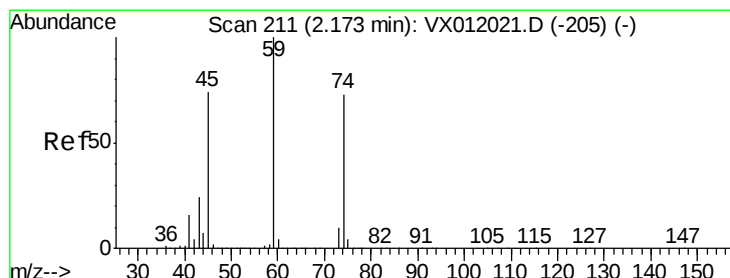
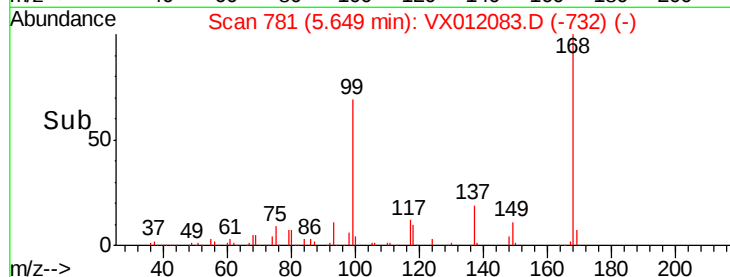
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.277 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012083.D

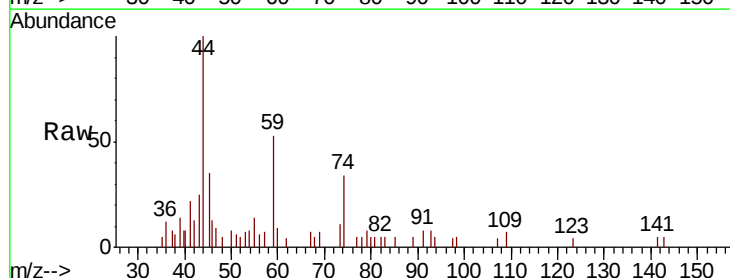
Acq: 05 Sep 2019 06:37

Tgt Ion: 74 Resp: 916

Ion Ratio Lower Upper

74 100

45 79.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

500

400

300

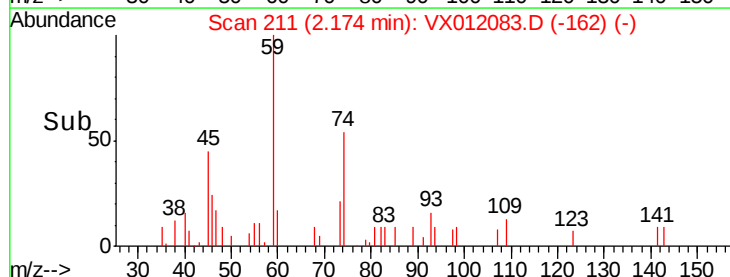
200

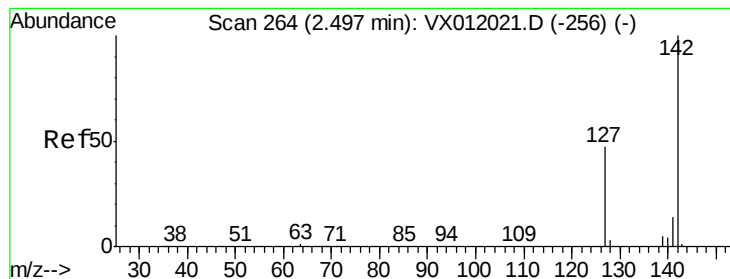
100

0

Time-->

2.15 2.20 2.25





#10

Methyl Iodide

Concen: 6.999 ug/l

RT: 2.53 min Scan# 269

Delta R.T. 0.03 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampled :

T11-2-(0)

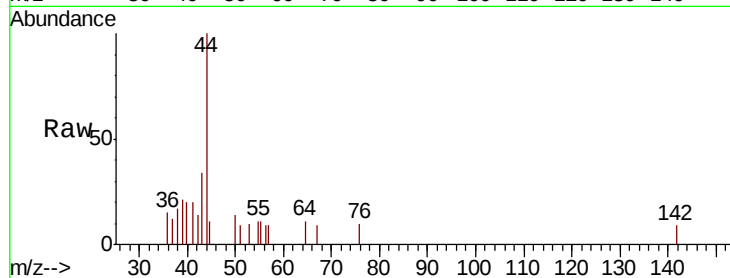
Tgt Ion: 142 Resp: 20

Ion Ratio Lower Upper

142 100

127 115.0 35.4 53.2#

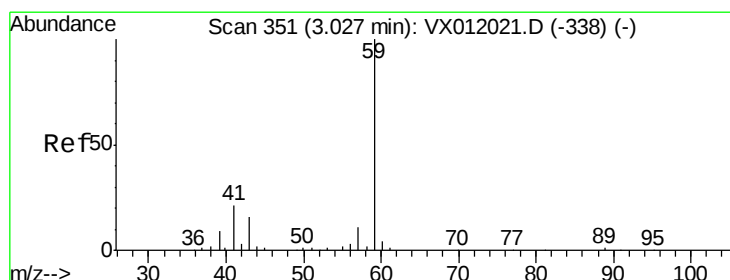
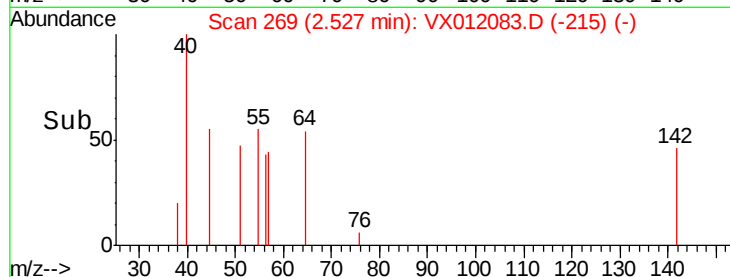
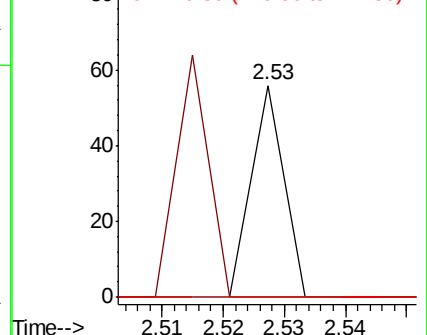
141 0.0 11.4 17.2#



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: 8.605 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012083.D

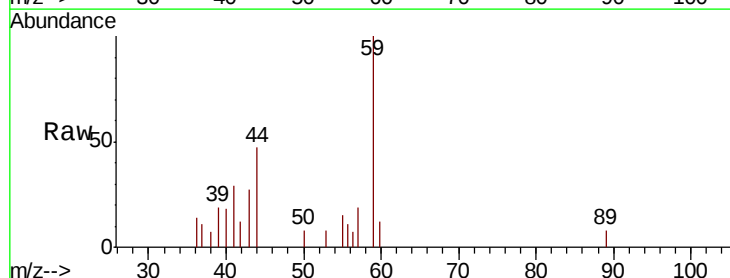
Acq: 05 Sep 2019 06:37

Tgt Ion: 59 Resp: 1716

Ion Ratio Lower Upper

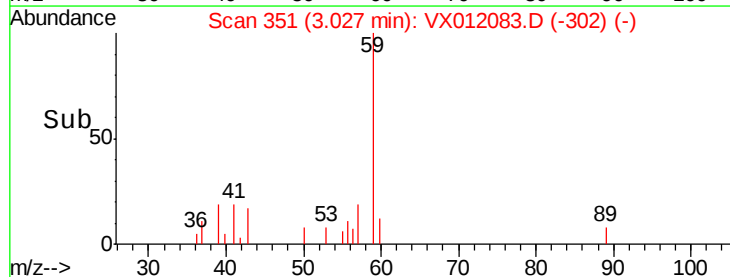
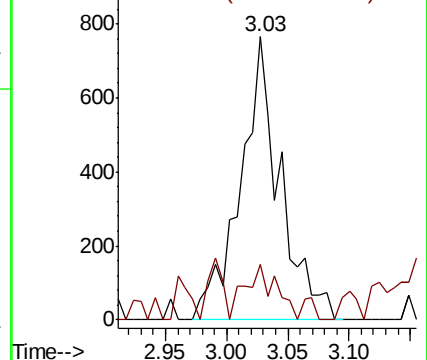
59 100

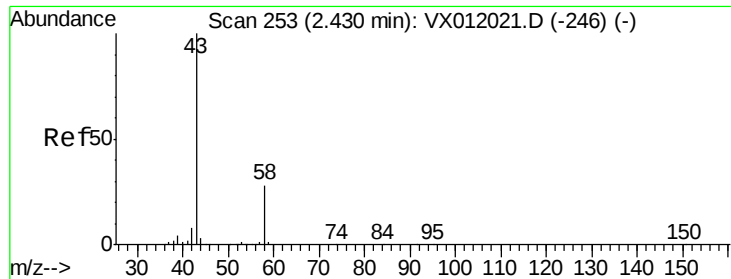
57 15.3 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 44.881 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampleId :

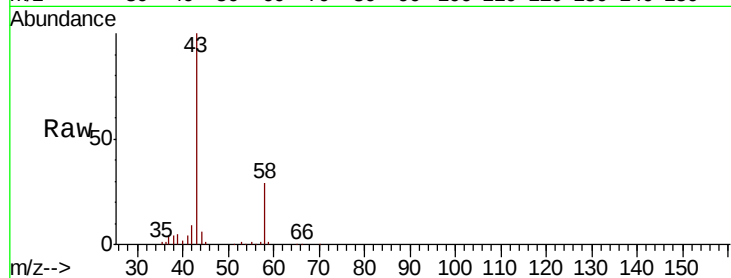
T11-2-(0)

Tgt Ion: 43 Resp: 22271

Ion Ratio Lower Upper

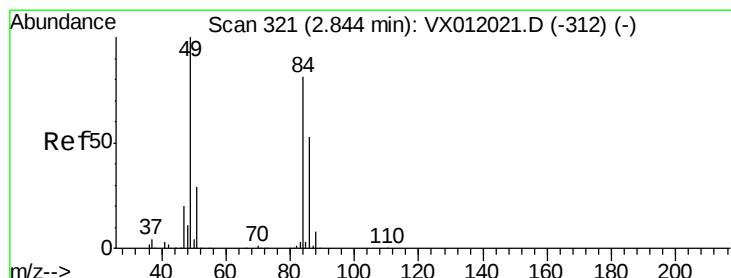
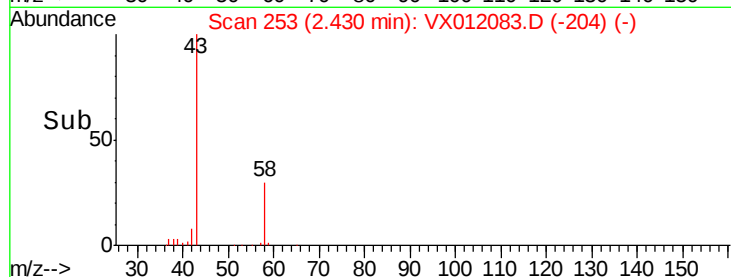
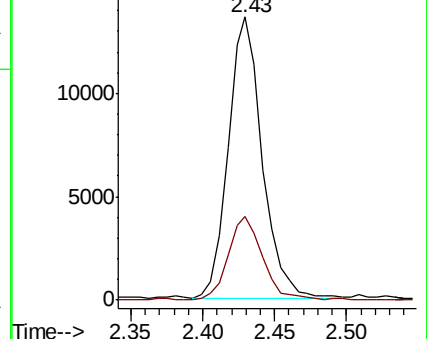
43 100

58 29.3 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.795 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Tgt Ion: 84 Resp: 3576

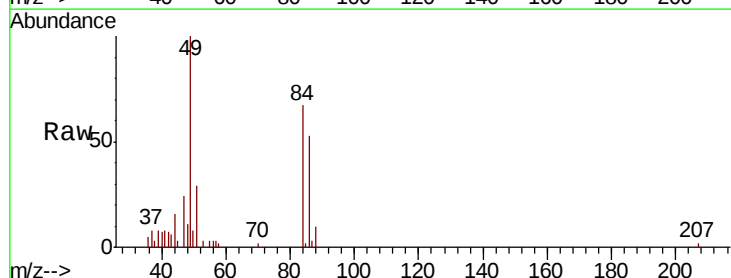
Ion Ratio Lower Upper

84 100

49 150.3 95.8 143.8#

51 44.1 28.6 43.0#

86 80.0 50.9 76.3#

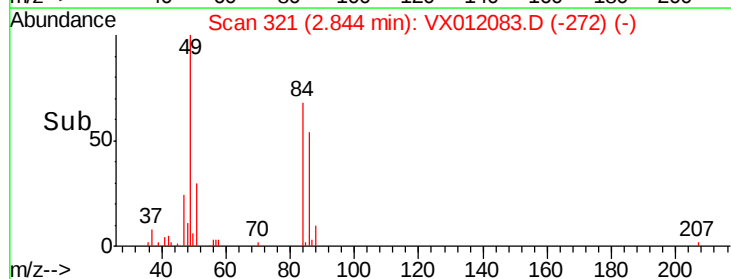
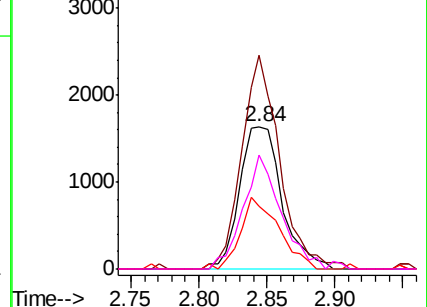


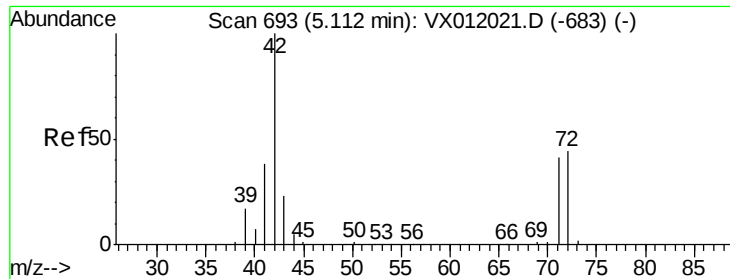
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

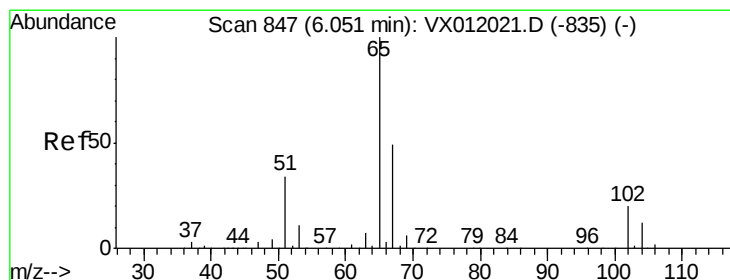
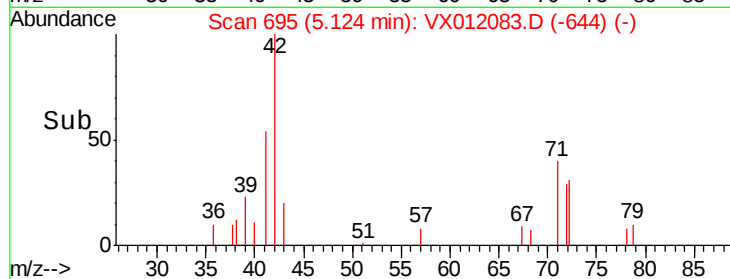
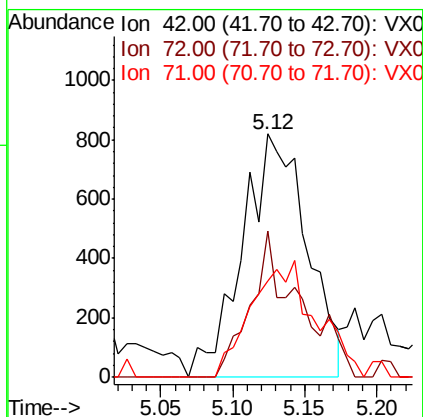
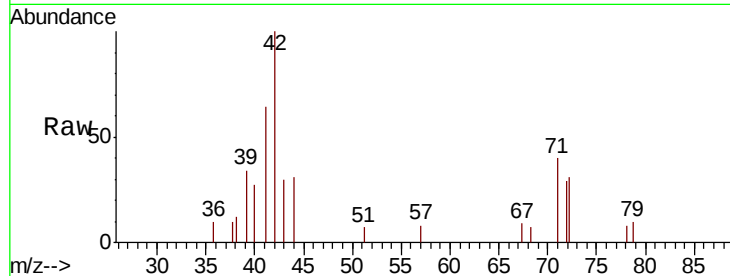




#29
Tetrahydrofuran
Concen: 6.729 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

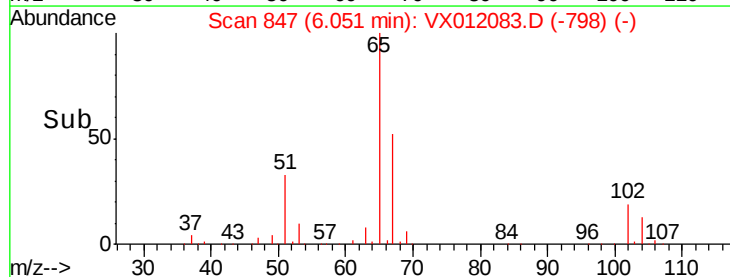
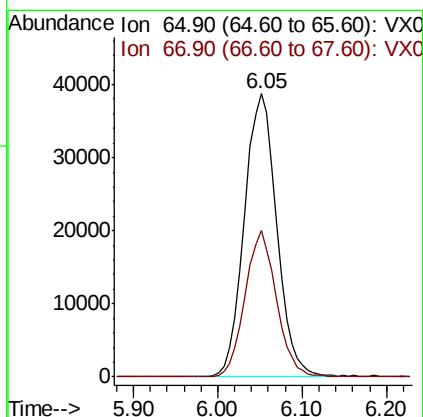
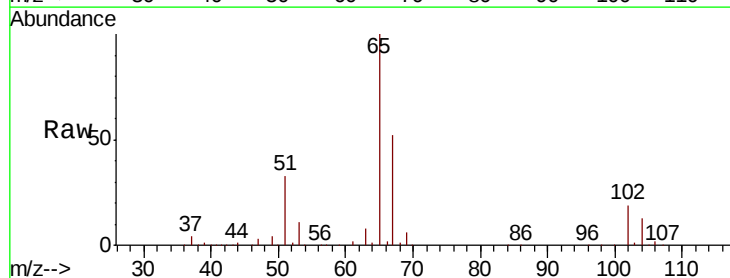
Instrument :
MSVOA_X
ClientSampled :
T11-2-(0)

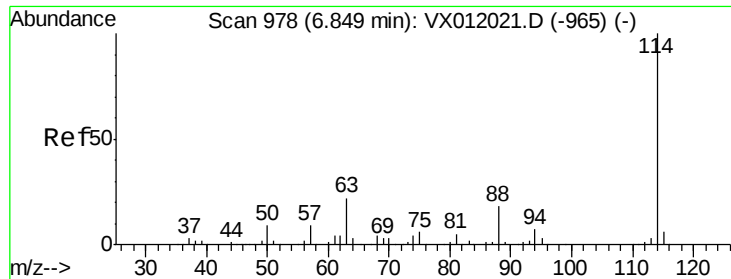
Tgt Ion: 42 Resp: 2561
Ion Ratio Lower Upper
42 100
72 45.5 37.0 55.4
71 47.4 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 48.571 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

Tgt Ion: 65 Resp: 100838
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.0

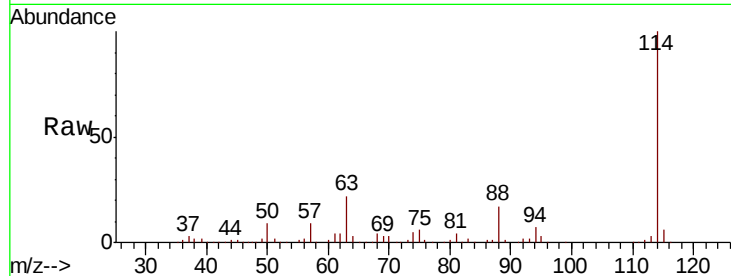




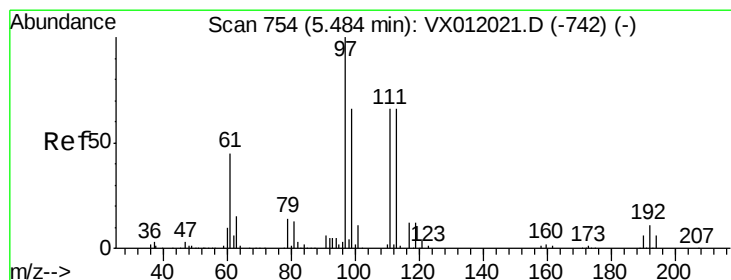
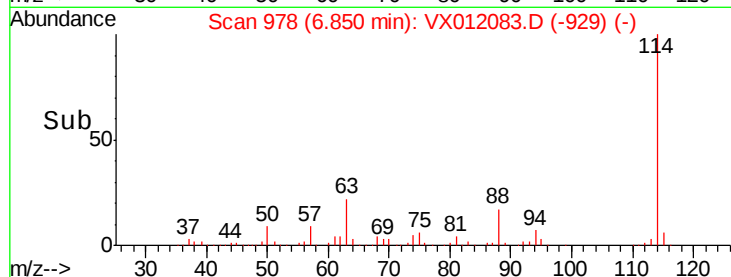
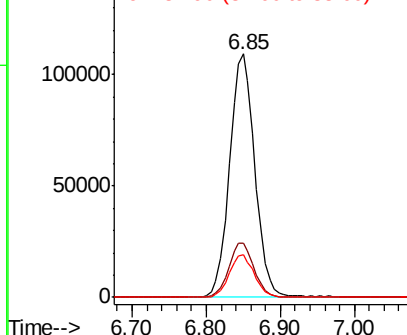
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

Instrument :
MSVOA_X
ClientSampled :
T11-2-(0)

Tgt Ion:114 Resp: 259591
Ion Ratio Lower Upper
114 100
63 22.1 0.0 37.4
88 17.4 0.0 29.6

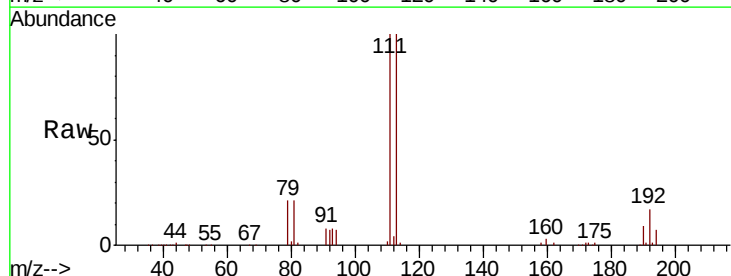


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

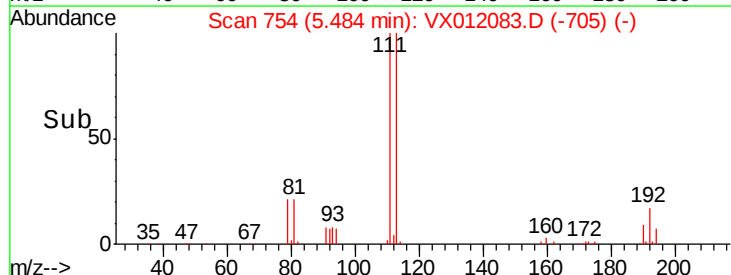
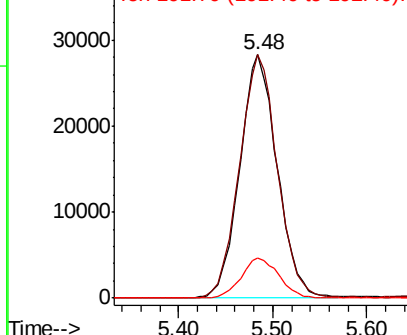


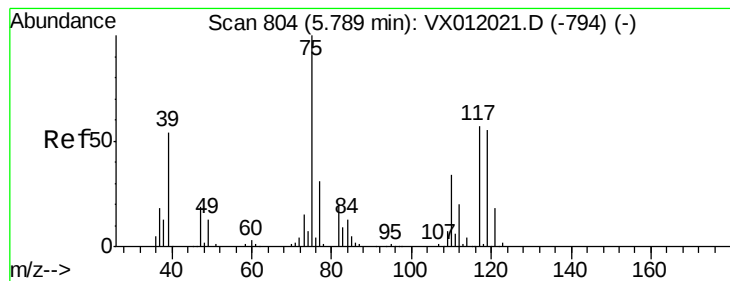
#35
Dibromofluoromethane
Concen: 49.175 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

Tgt Ion:113 Resp: 78504
Ion Ratio Lower Upper
113 100
111 101.3 81.7 122.5
192 16.7 22.5 33.7#



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.262 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampleId :

T11-2-(0)

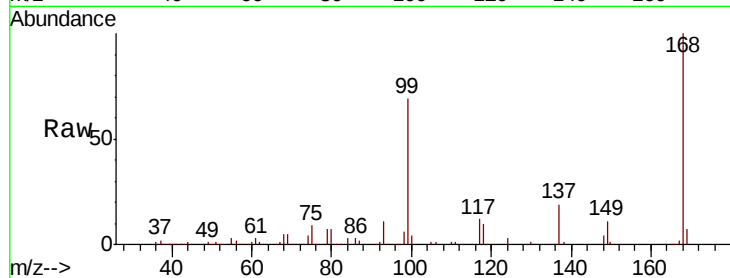
Tgt Ion: 75 Resp: 14317

Ion Ratio Lower Upper

75 100

110 10.0 19.5 58.5#

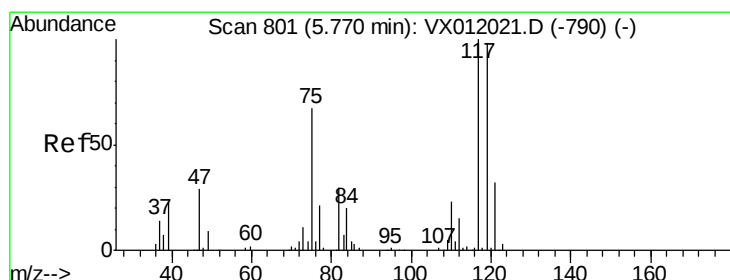
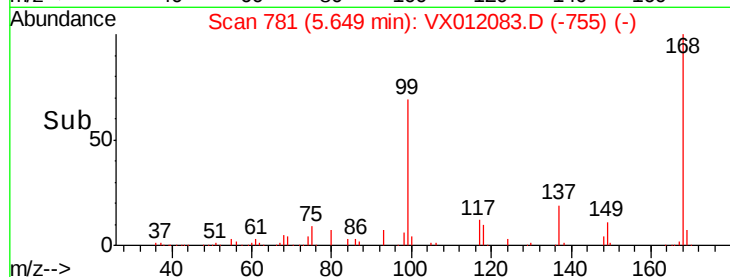
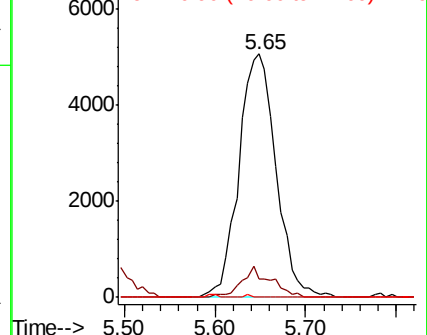
77 0.2 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX012021.D (-794) (-)

Ion 109.90 (109.60 to 110.60): VX012021.D (-794) (-)

Ion 76.90 (76.60 to 77.60): VX012021.D (-794) (-)



#38

Carbon Tetrachloride

Concen: 7.328 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

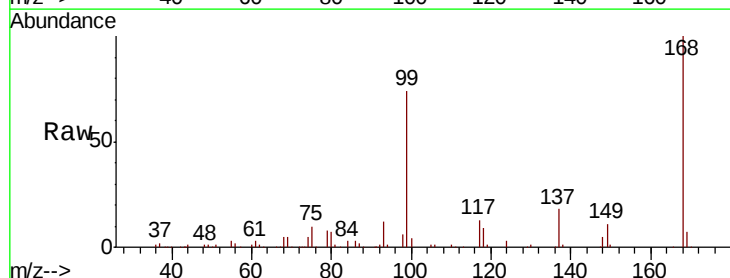
Tgt Ion: 117 Resp: 17655

Ion Ratio Lower Upper

117 100

119 5.3 78.3 117.5#

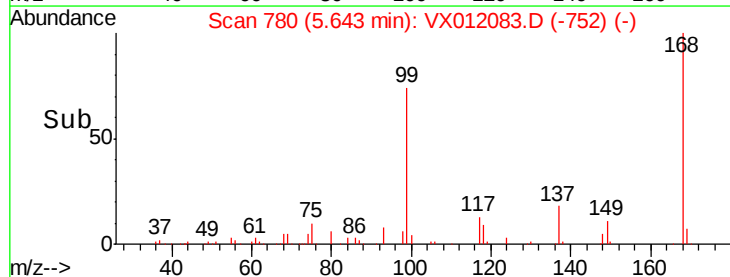
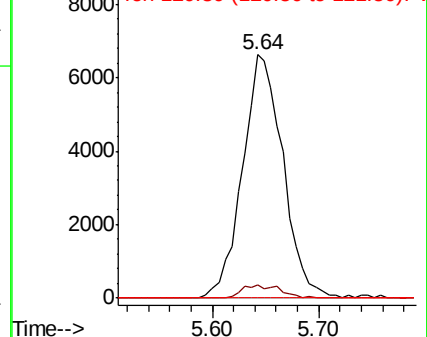
121 0.0 24.2 36.2#

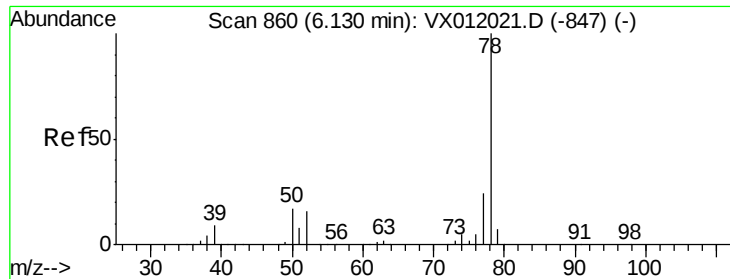


Abundance Ion 116.80 (116.50 to 117.50): VX012021.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX012021.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX012021.D (-790) (-)





#40

Benzene

Concen: 1.231 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.00 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampleId :

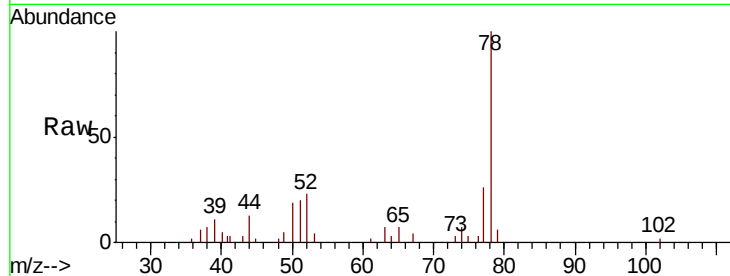
T11-2-(0)

Tgt Ion: 78 Resp: 8079

Ion Ratio Lower Upper

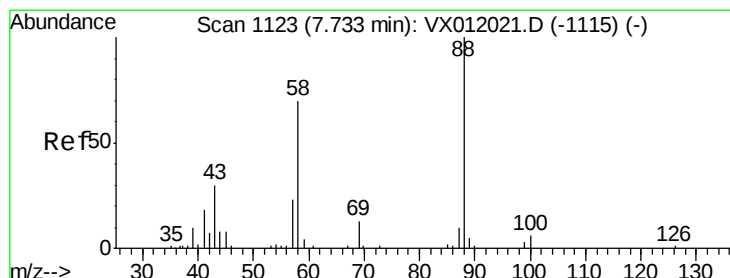
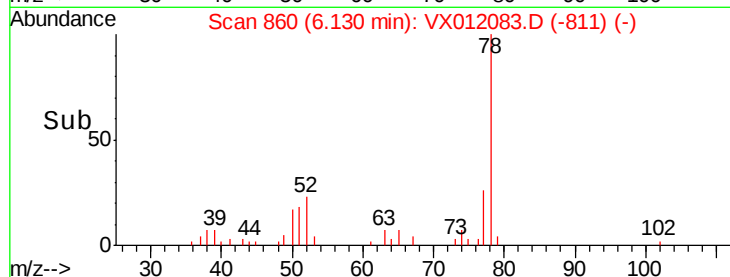
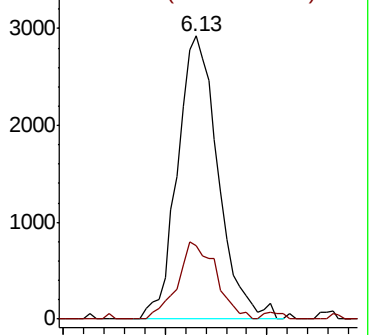
78 100

77 25.9 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 1.443 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

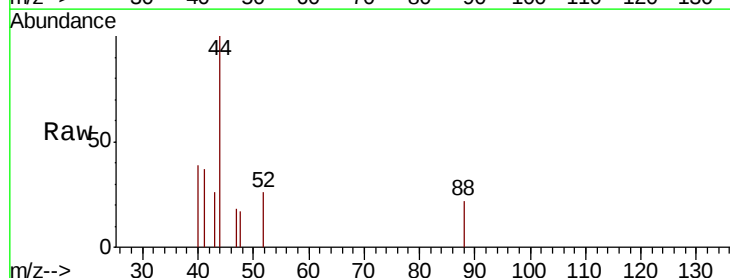
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

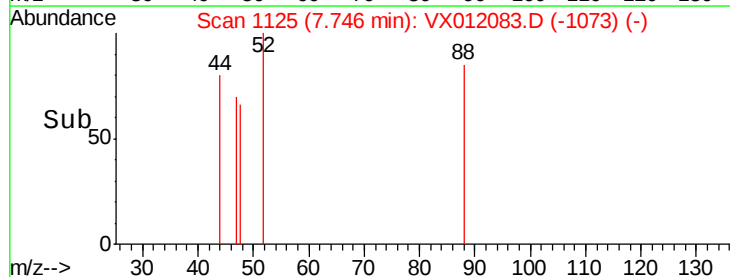
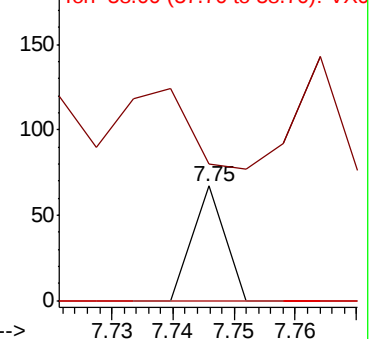
58 0.0 55.4 83.2#

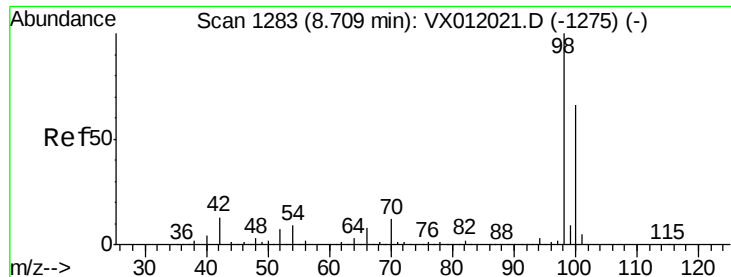


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

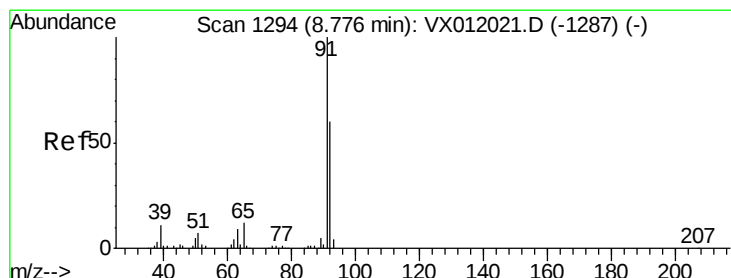
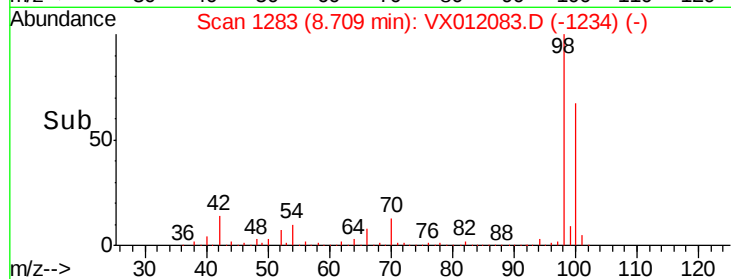
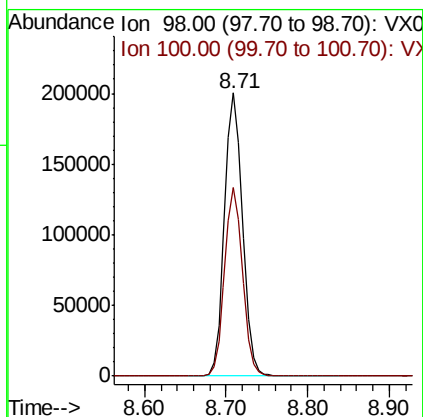
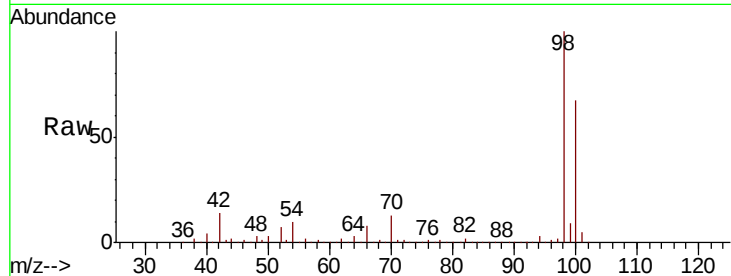




#50
Toluene-d8
Concen: 52.372 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

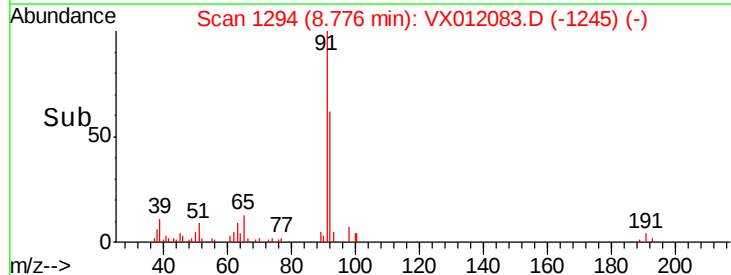
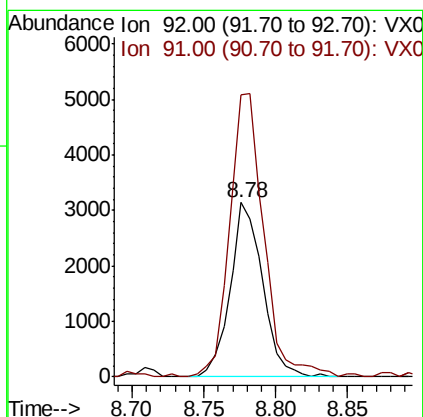
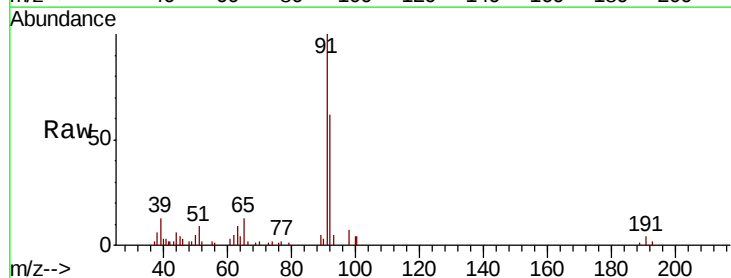
Instrument :
MSVOA_X
ClientSampleId :
T11-2-(0)

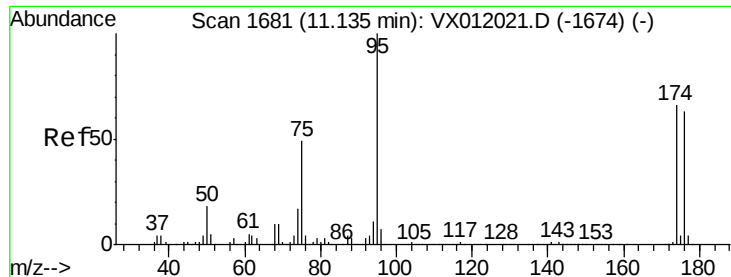
Tgt Ion: 98 Resp: 306800
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#52
Toluene
Concen: 1.161 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

Tgt Ion: 92 Resp: 4960
Ion Ratio Lower Upper
92 100
91 171.5 136.0 204.0

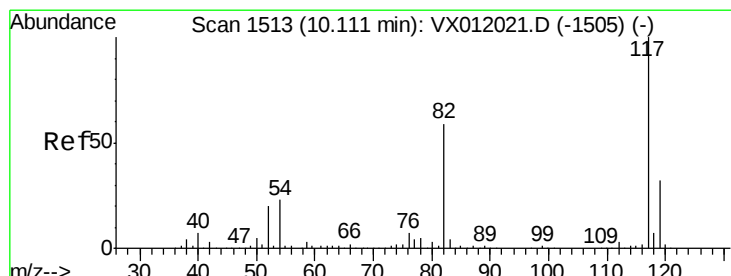
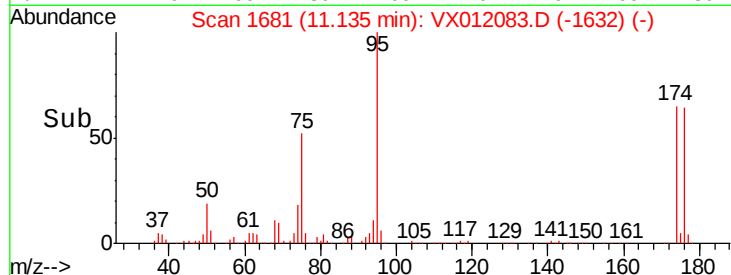
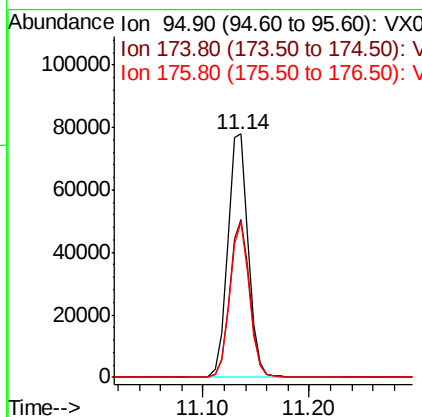
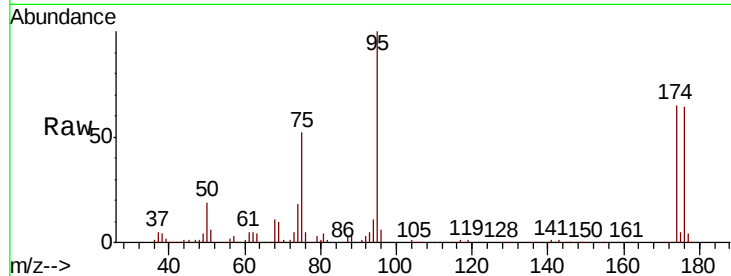




#62
4-Bromofluorobenzene
Concen: 38.537 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

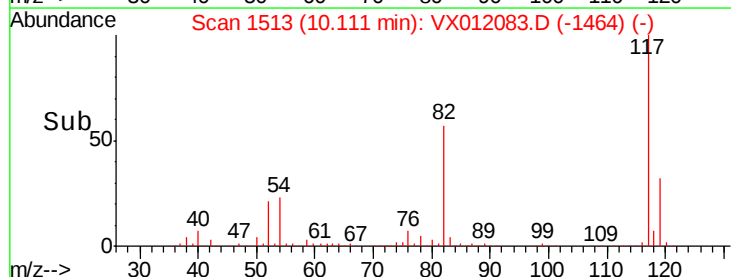
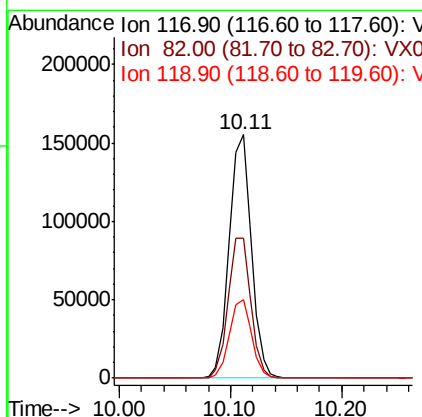
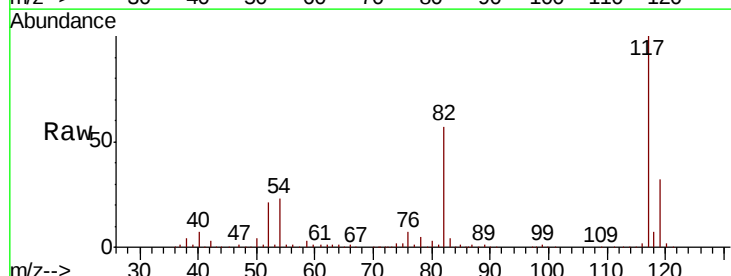
Instrument :
MSVOA_X
ClientSampled :
T11-2-(0)

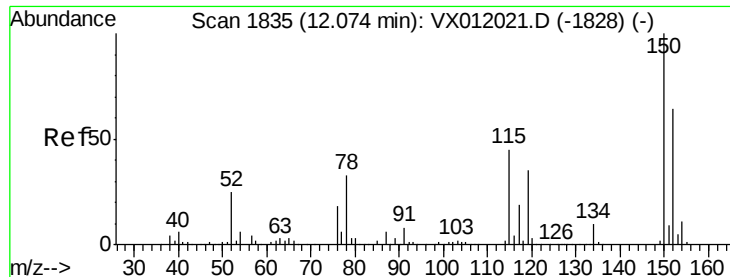
Tgt Ion: 95 Resp: 104990
Ion Ratio Lower Upper
95 100
174 63.3 0.0 205.4
176 60.9 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012083.D
Acq: 05 Sep 2019 06:37

Tgt Ion: 117 Resp: 214668
Ion Ratio Lower Upper
117 100
82 57.4 39.4 59.0
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampleId :

T11-2-(0)

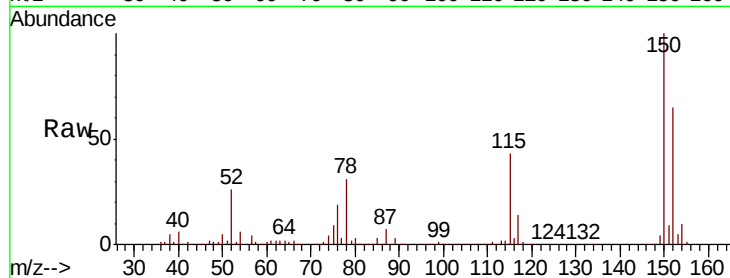
Tgt Ion:152 Resp: 75398

Ion Ratio Lower Upper

152 100

115 66.7 36.4 109.3

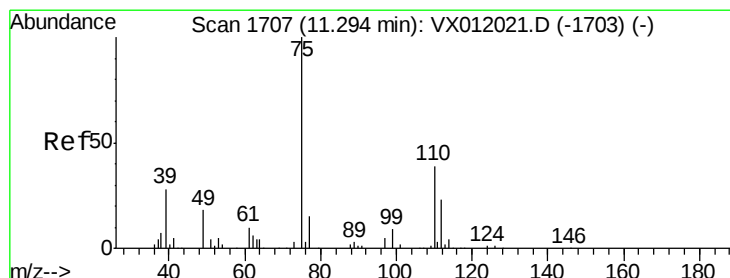
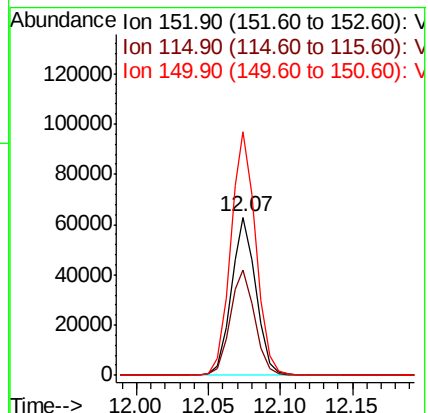
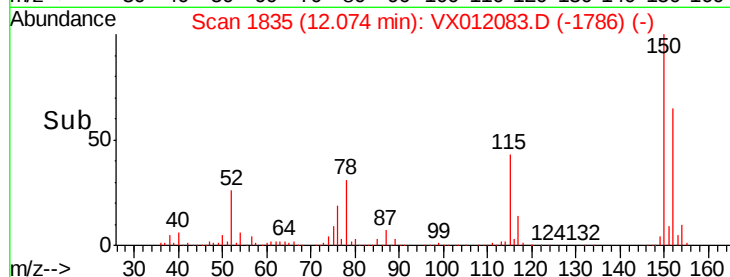
150 157.2 0.0 341.2



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: 58.730 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012083.D

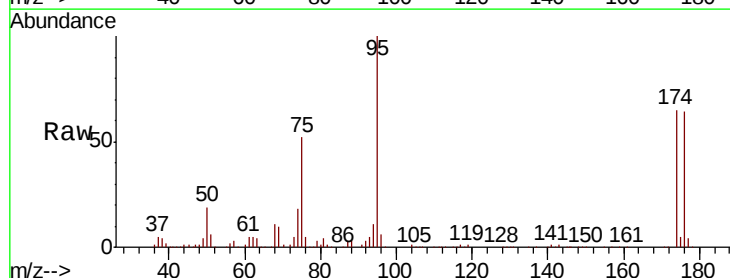
Acq: 05 Sep 2019 06:37

Tgt Ion: 75 Resp: 54105

Ion Ratio Lower Upper

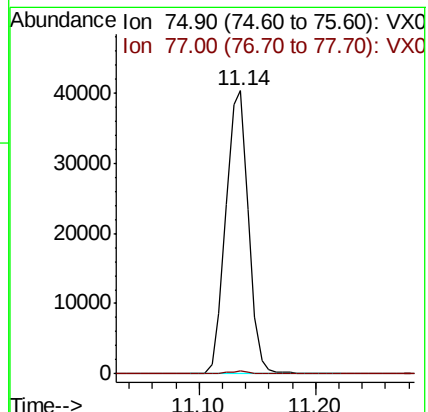
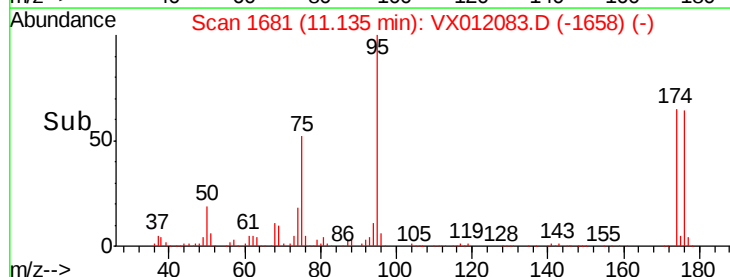
75 100

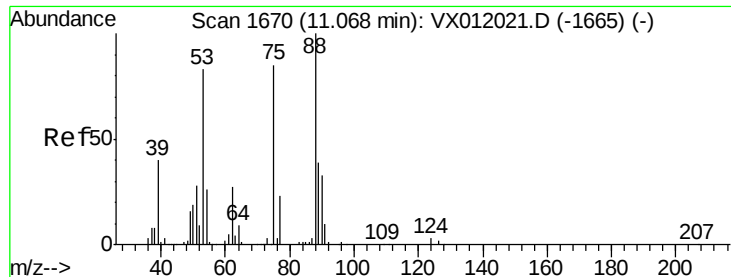
77 1.0 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 138.847 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012083.D

Acq: 05 Sep 2019 06:37

Instrument :

MSVOA_X

ClientSampleId :

T11-2-(0)

Tgt Ion: 75 Resp: 54105

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

