

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012378.D
 Acq On : 13 Sep 2019 11:16
 Operator : SY/SP
 Sample : K4806-01RE
 Misc : 4.76g/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 12:05:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	142809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	225988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	149949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	39980	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	88157	43.66	ug/l	0.00
Spiked Amount						
			Recovery	=	87.32%	
35) Dibromofluoromethane	5.48	113	73187	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
50) Toluene-d8	8.71	98	256500	50.48	ug/l	0.00
Spiked Amount						
			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.14	95	59252	25.15	ug/l	0.00
Spiked Amount						
			Recovery	=	50.30%	

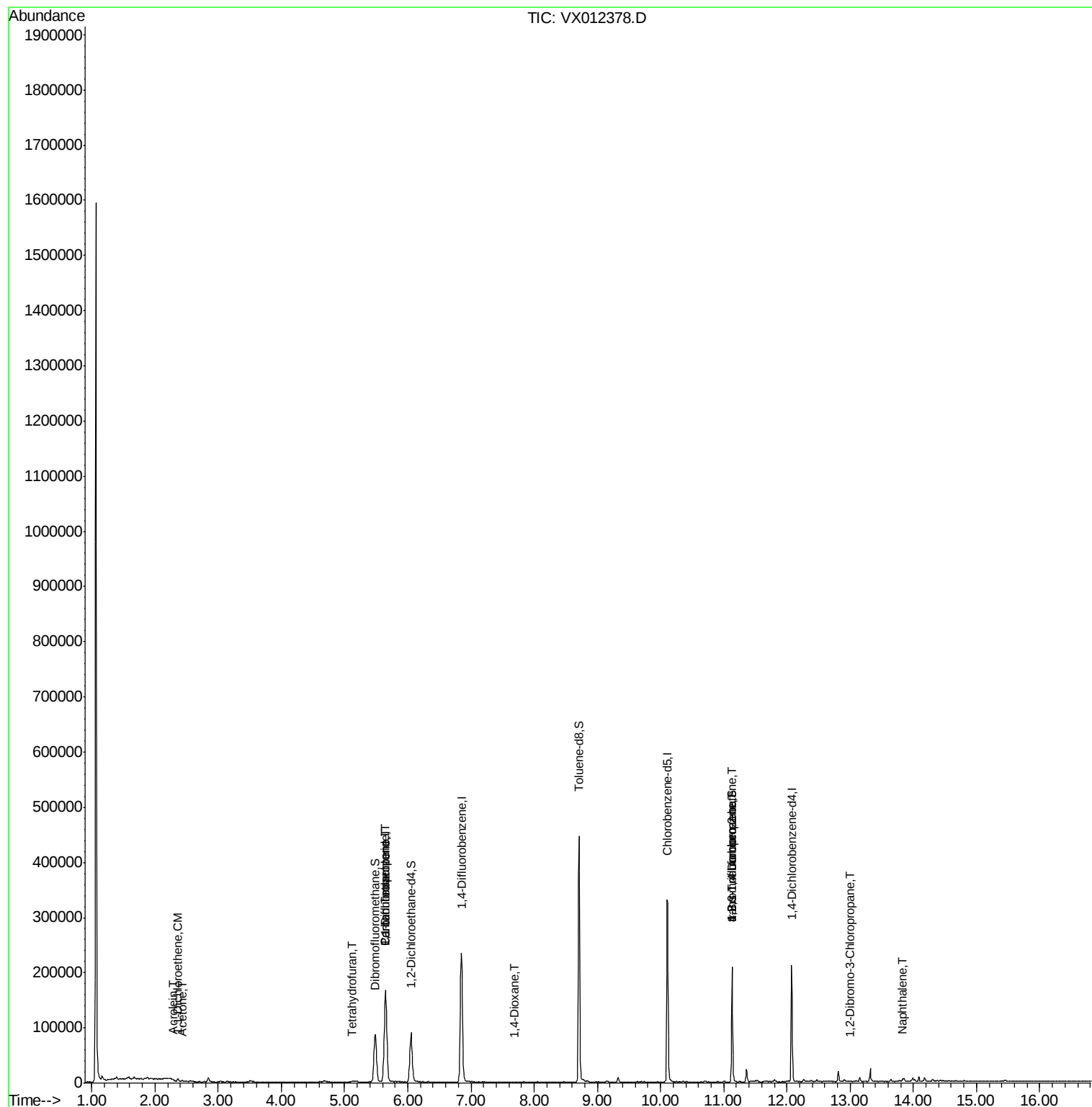
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	183	Below Cal	#	3
11) Tert butyl alcohol	3.01	59	545	Below Cal	#	1
12) 1,1-Dichloroethene	2.36	96	1554	1.438	ug/l #	65
13) Acrolein	2.29	56	629	5.960	ug/l #	47
16) Acetone	2.42	43	3039	6.358	ug/l	91
20) Methylene Chloride	2.84	84	3369	Below Cal		95
29) Tetrahydrofuran	5.12	42	2596	7.875	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	13342	8.097	ug/l #	53
38) Carbon Tetrachloride	5.65	117	16241	8.401	ug/l #	14
49) 1,4-Dioxane	7.70	88	52	3.749	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	31188	60.724	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	31188	181.943	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.00	75	210	1.820	ug/l #	10
95) Naphthalene	13.83	128	1953	1.154	ug/l	96

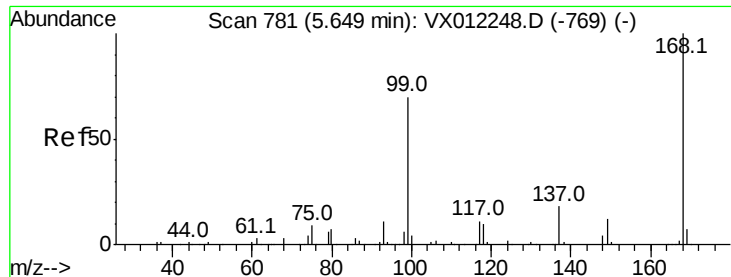
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091319\
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QLast Update : Tue Sep 10 12:55:26 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: VX012378.D

Acq: 13 Sep 2019 11:16

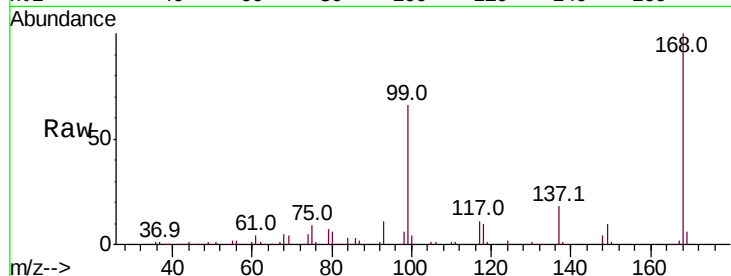
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 142809

Ion Ratio Lower Upper

168 100

99 66.2 55.8 83.6



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

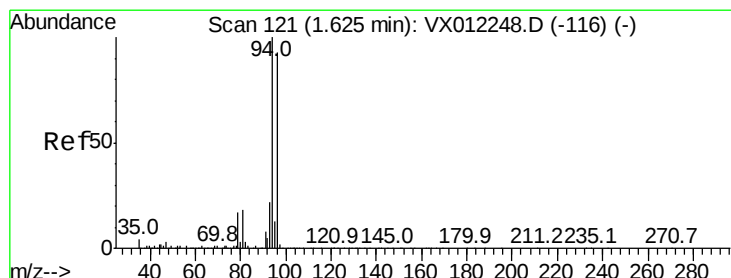
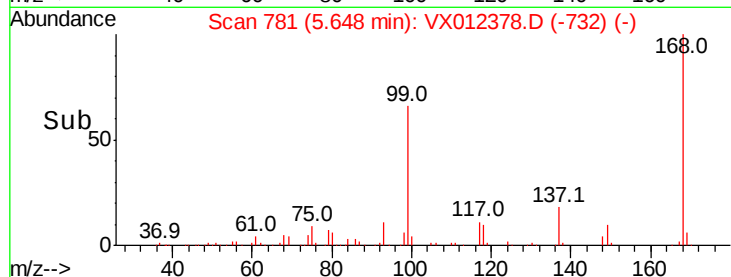
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012378.D

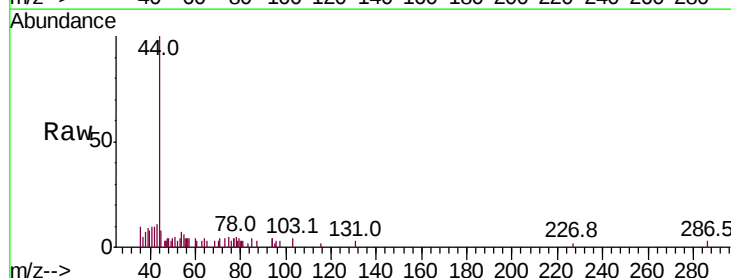
Acq: 13 Sep 2019 11:16

Tgt Ion: 94 Resp: 183

Ion Ratio Lower Upper

94 100

96 0.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

250

200

150

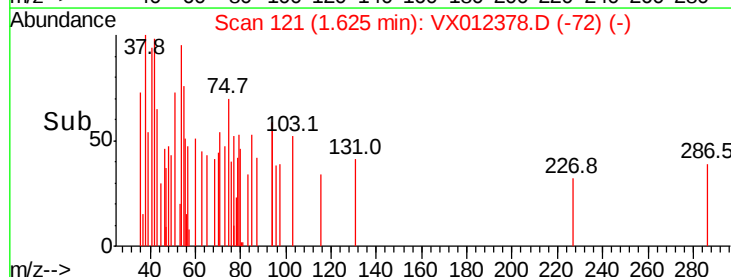
100

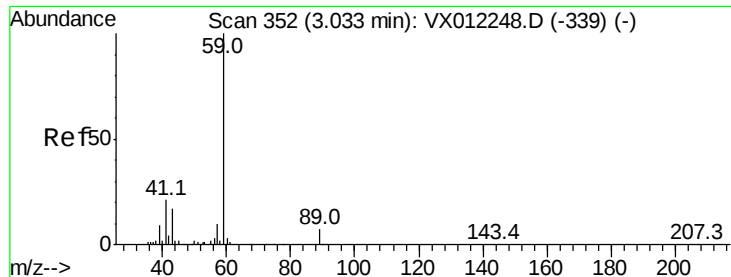
50

0

Time-->

1.61 1.62 1.63 1.64



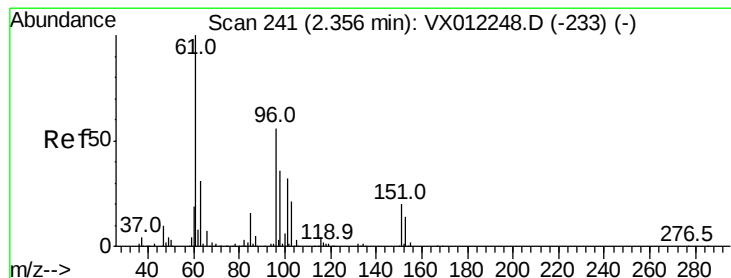
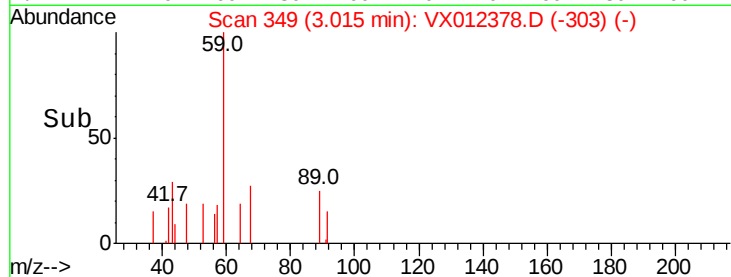
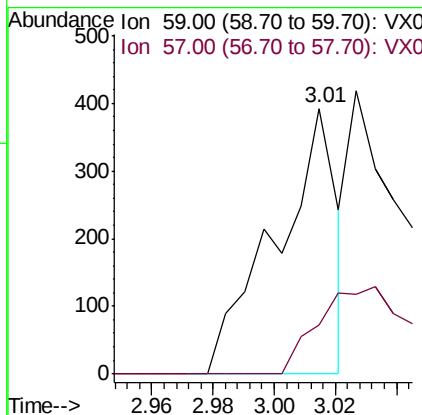
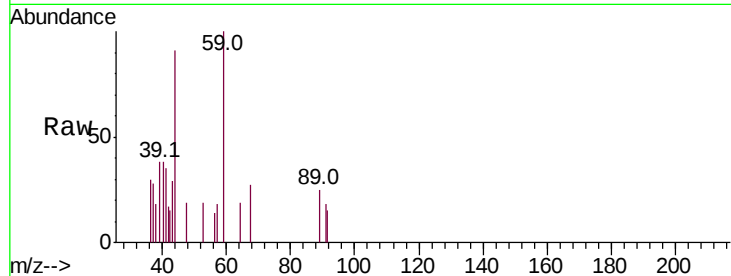


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012378.D
Acq: 13 Sep 2019 11:16

Instrument :
MSVOA_X
ClientSampled :

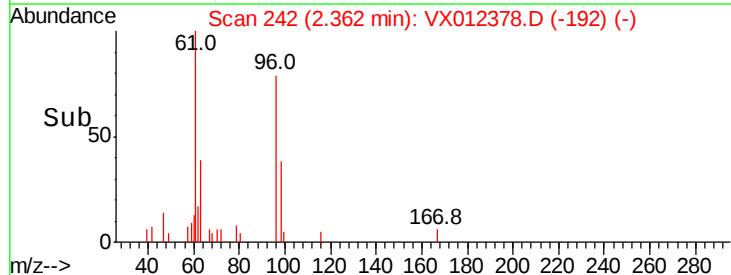
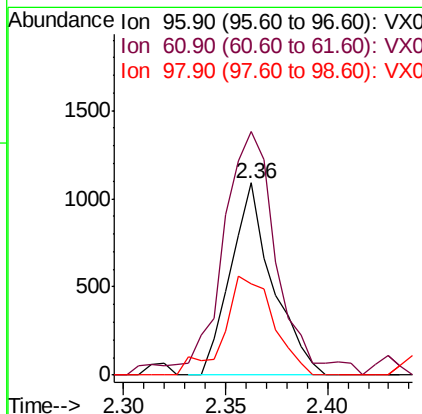
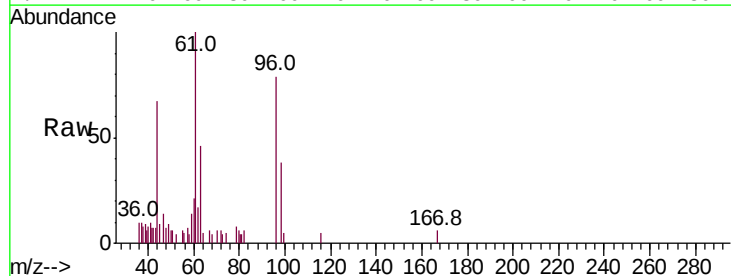
Tot Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 47.9 7.8 11.6#

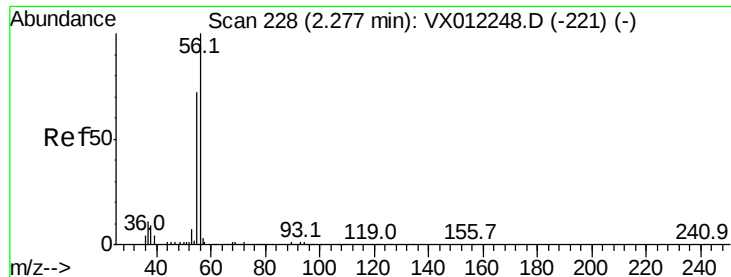


#12

1,1-Dichloroethene
Concen: 1.438 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012378.D
Acq: 13 Sep 2019 11:16

Tgt Ion: 96 Resp: 1554
Ion Ratio Lower Upper
96 100
61 121.0 142.2 213.2#
98 47.9 51.3 76.9#





#13

Acrolein

Concen: 5.960 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

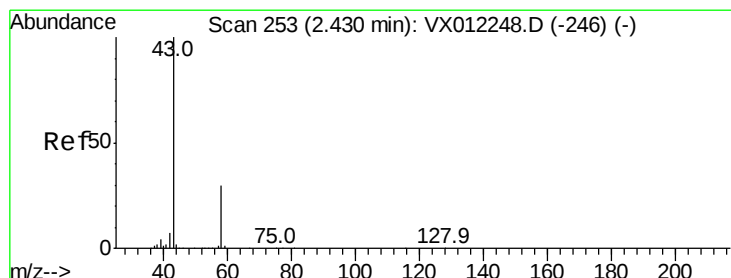
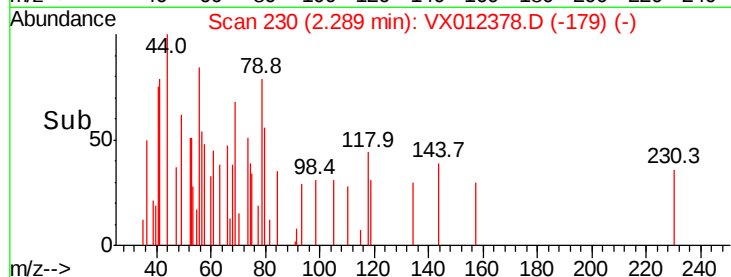
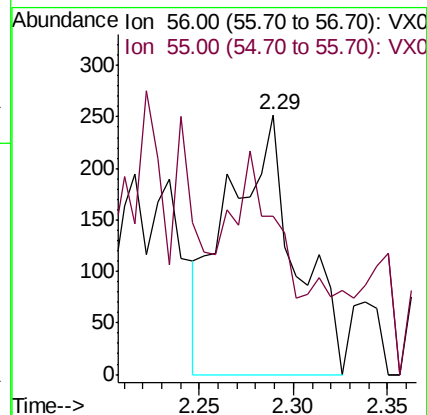
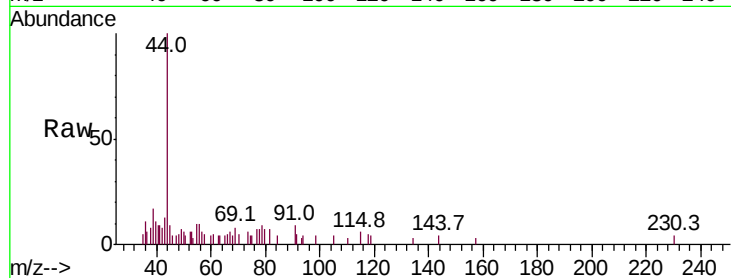
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 629

Ion Ratio Lower Upper

56 100

55 29.4 59.8 89.6#



#16

Acetone

Concen: 6.358 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012378.D

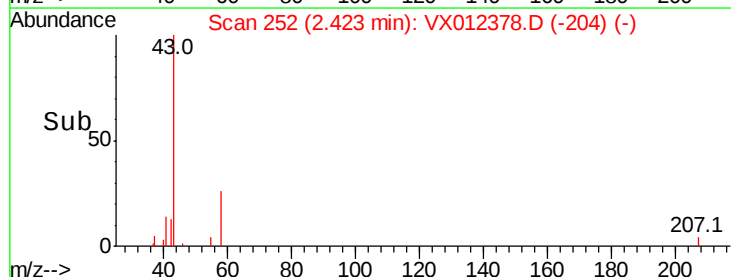
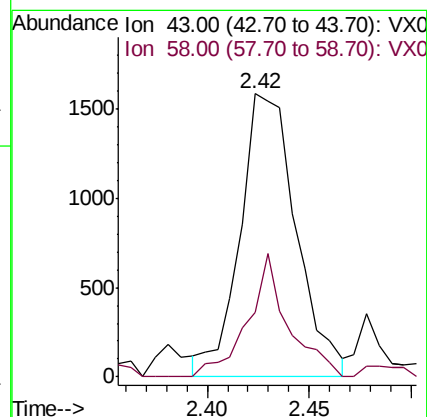
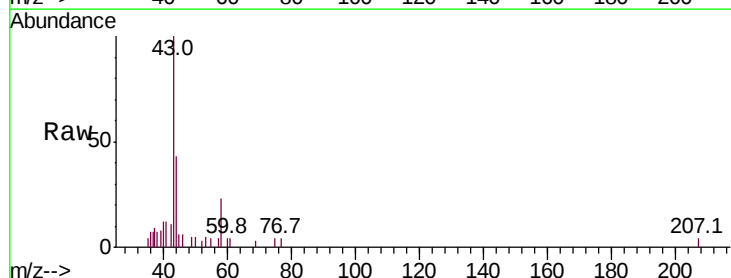
Acq: 13 Sep 2019 11:16

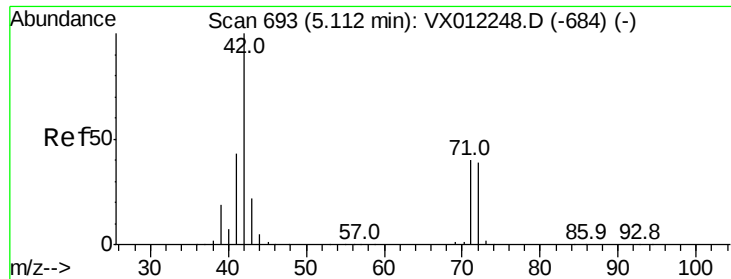
Tgt Ion: 43 Resp: 3039

Ion Ratio Lower Upper

43 100

58 24.6 23.6 35.4





#29

Tetrahydrofuran

Concen: 7.875 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampled :

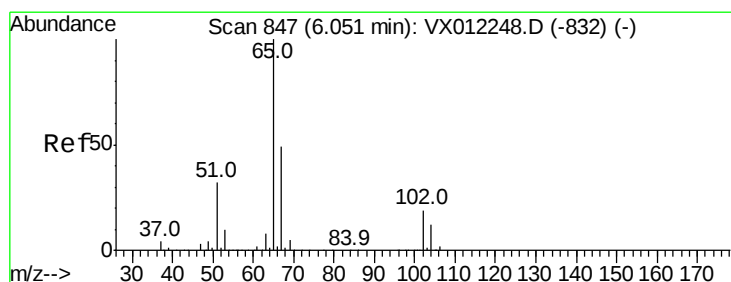
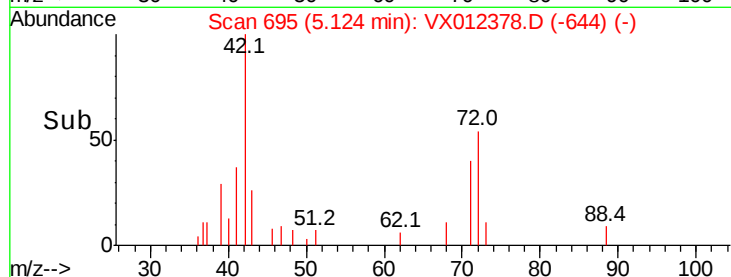
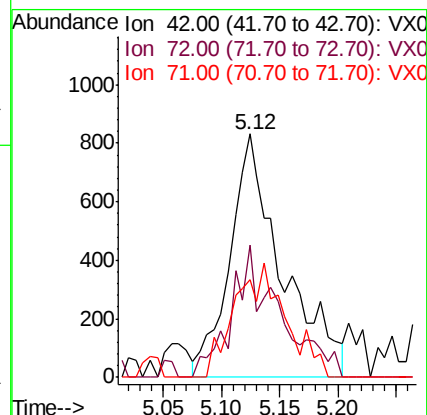
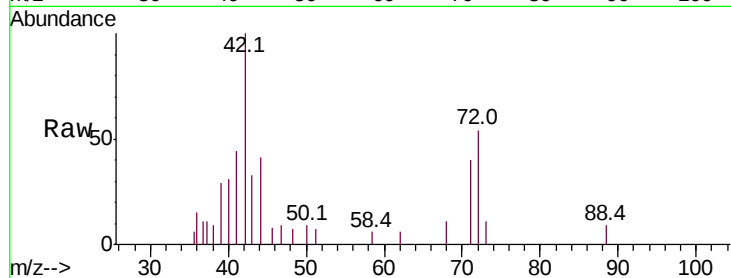
Tot Ion: 42 Resp: 2596

Ion Ratio Lower Upper

42 100

72 29.1 35.2 52.8#

71 22.1 32.5 48.7#



#33

1,2-Dichloroethane-d4

Concen: 43.663 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012378.D

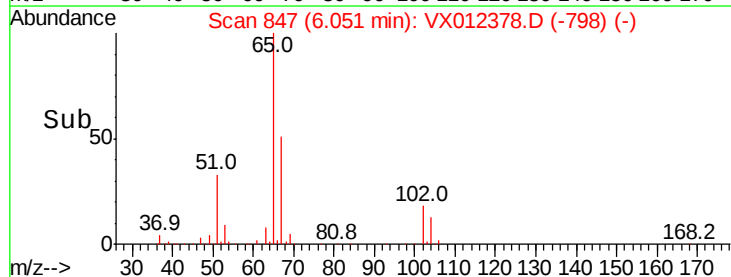
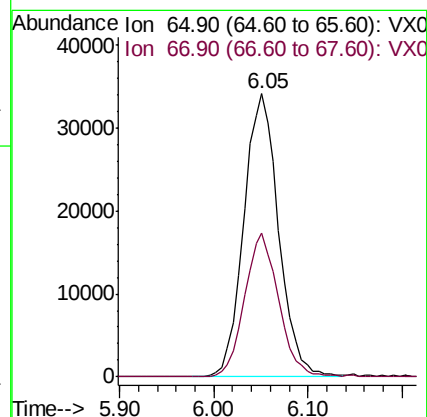
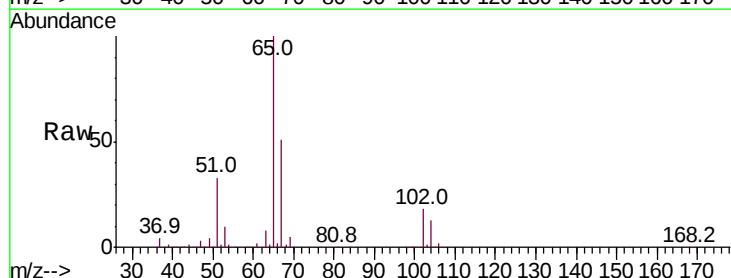
Acq: 13 Sep 2019 11:16

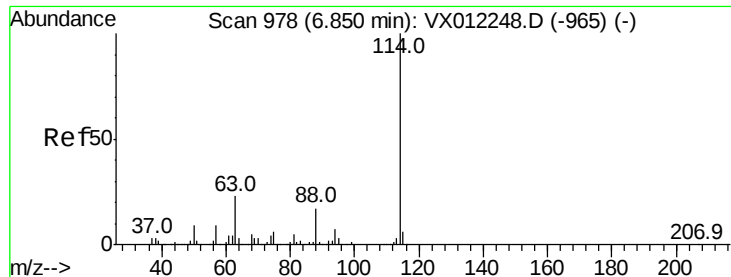
Tgt Ion: 65 Resp: 88157

Ion Ratio Lower Upper

65 100

67 49.4 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

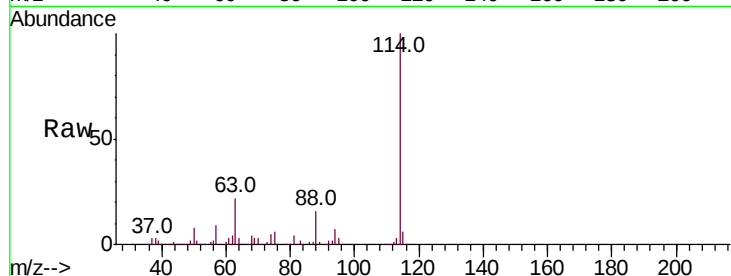
Tot Ion:114 Resp: 225988

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

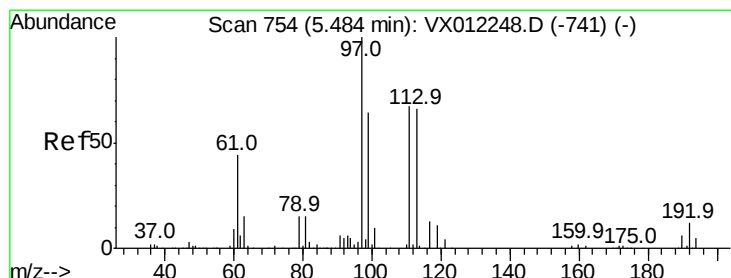
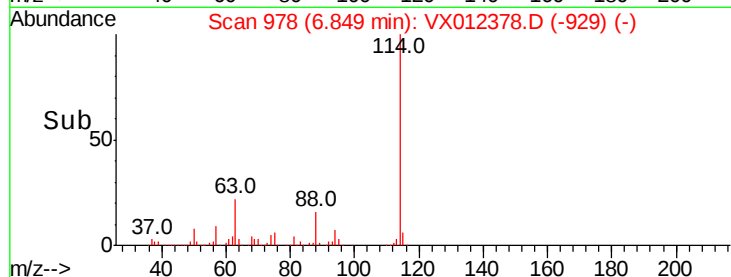
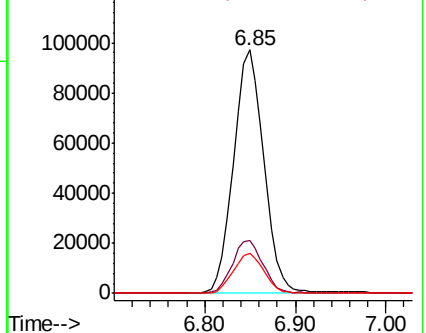
88 16.4 0.0 34.8



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: 50.520 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

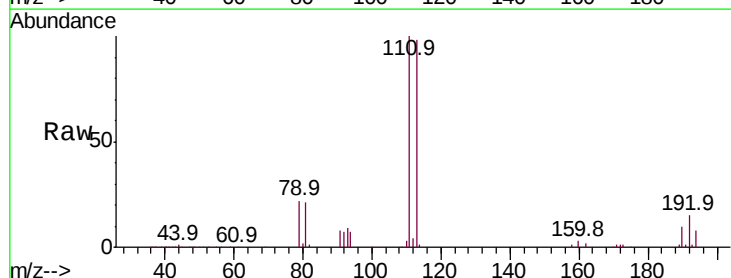
Tgt Ion:113 Resp: 73187

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

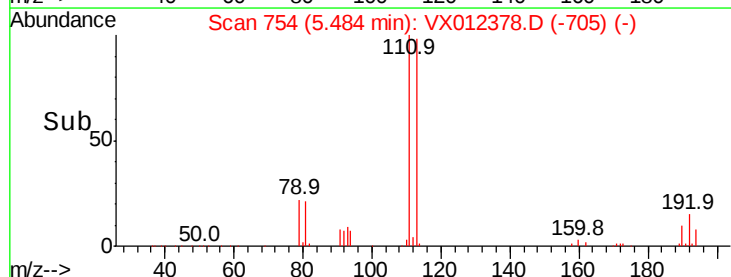
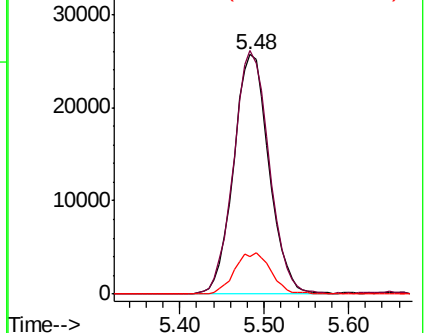
192 17.8 14.3 21.5

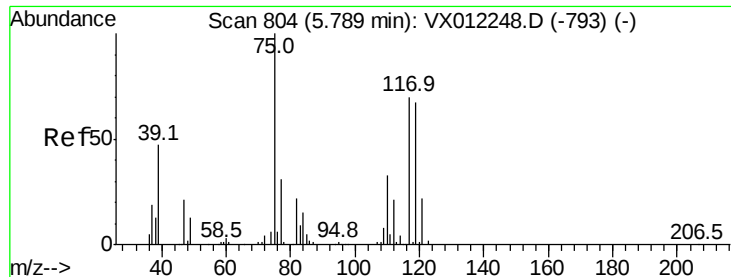


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 8.097 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampled :

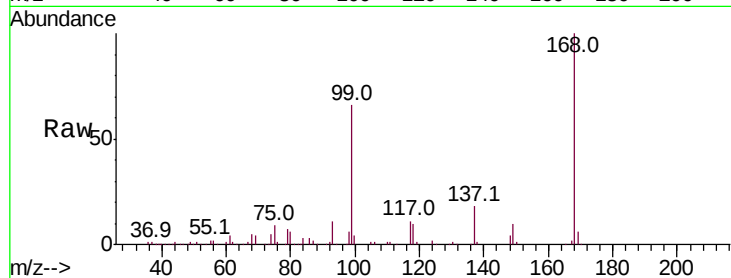
Tot Ion: 75 Resp: 13342

Ion Ratio Lower Upper

75 100

110 11.0 16.8 50.4#

77 0.5 24.5 36.7#

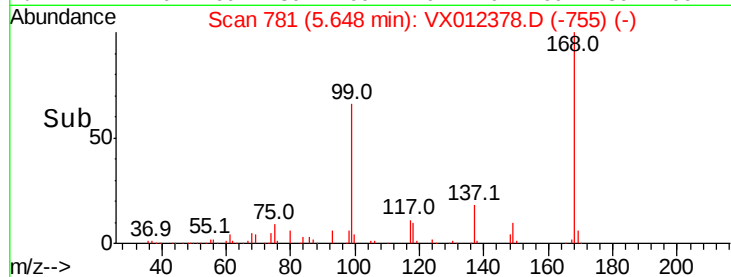


Abundance Ion 74.90 (74.60 to 75.60): VX012248.D (-793) (-)

Ion 109.90 (109.60 to 110.60): VX012248.D (-793) (-)

Ion 76.90 (76.60 to 77.60): VX012248.D (-793) (-)

Time-->

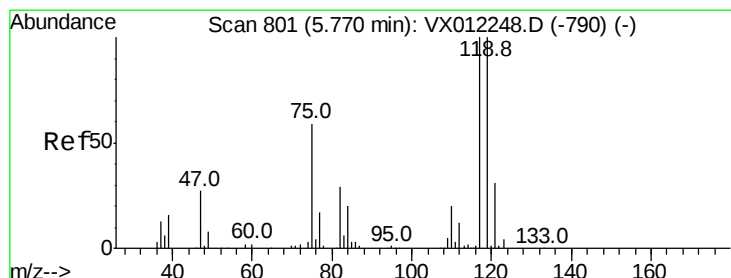


Abundance Ion 74.90 (74.60 to 75.60): VX012378.D (-755) (-)

Ion 109.90 (109.60 to 110.60): VX012378.D (-755) (-)

Ion 76.90 (76.60 to 77.60): VX012378.D (-755) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 8.401 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

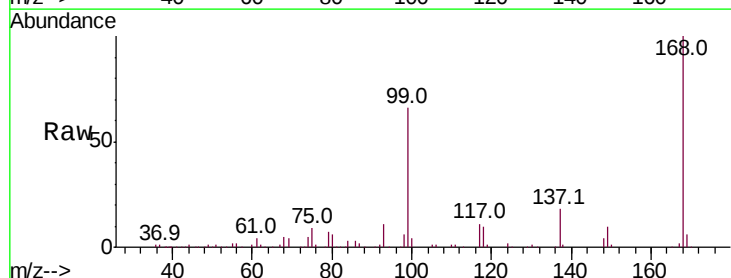
Tgt Ion: 117 Resp: 16241

Ion Ratio Lower Upper

117 100

119 5.2 79.6 119.4#

121 0.0 24.7 37.1#

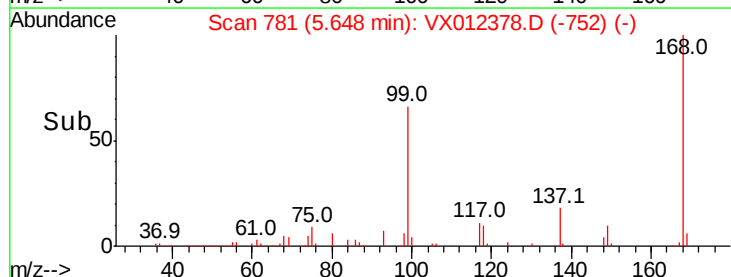


Abundance Ion 116.80 (116.50 to 117.50): VX012248.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX012248.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX012248.D (-790) (-)

Time-->

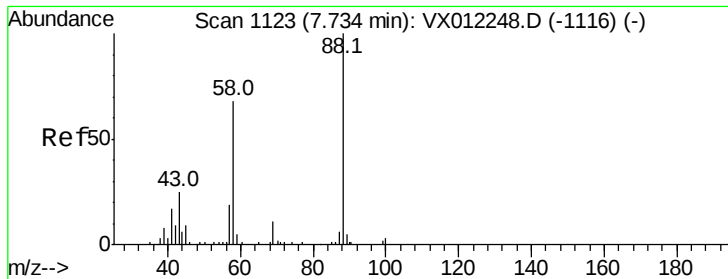


Abundance Ion 116.80 (116.50 to 117.50): VX012378.D (-752) (-)

Ion 118.80 (118.50 to 119.50): VX012378.D (-752) (-)

Ion 120.80 (120.50 to 121.50): VX012378.D (-752) (-)

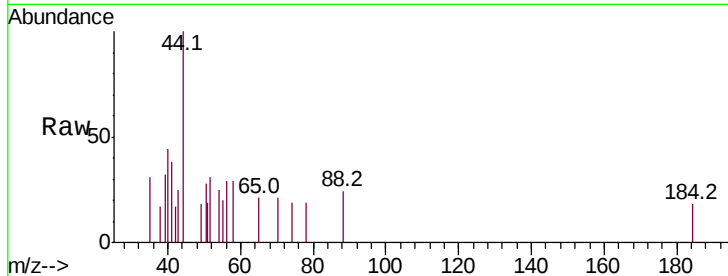
Time-->



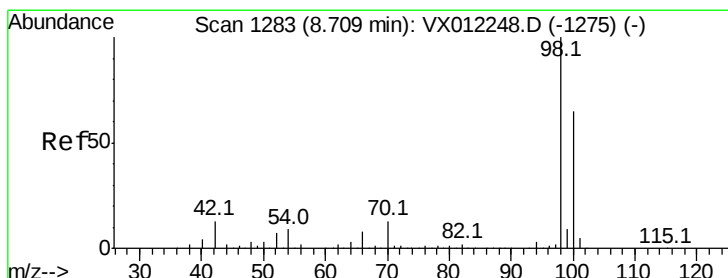
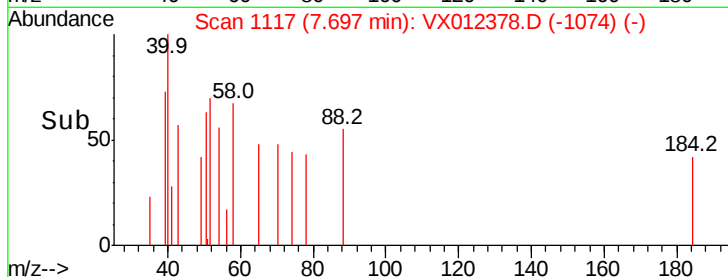
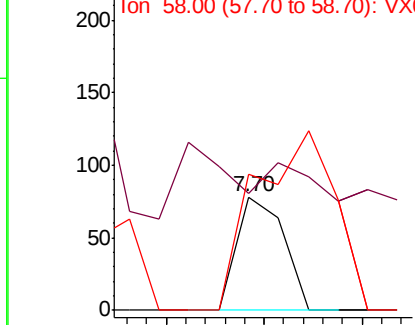
#49
 1,4-Dioxane
 Concen: 3.749 ug/l
 RT: 7.70 min Scan# 1117
 Delta R.T. -0.04 min
 Lab File: VX012378.D
 Acq: 13 Sep 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 52
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.4#
 58 267.3 61.5 92.3#

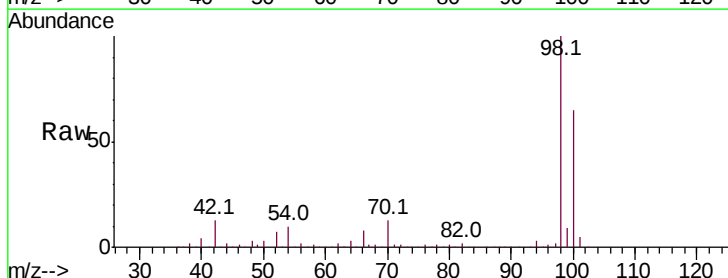


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

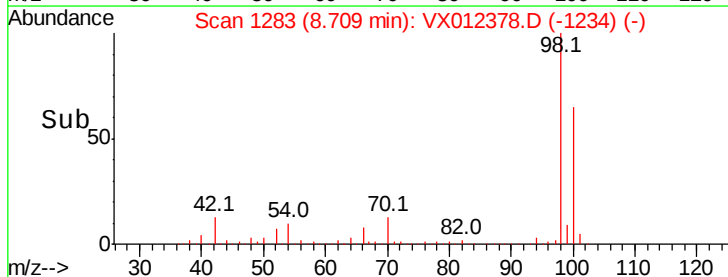
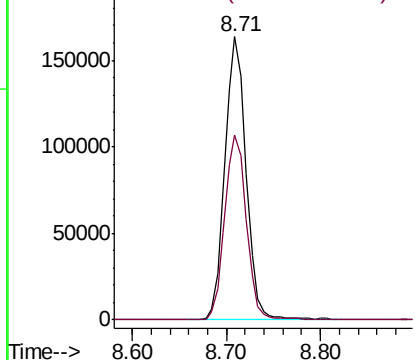


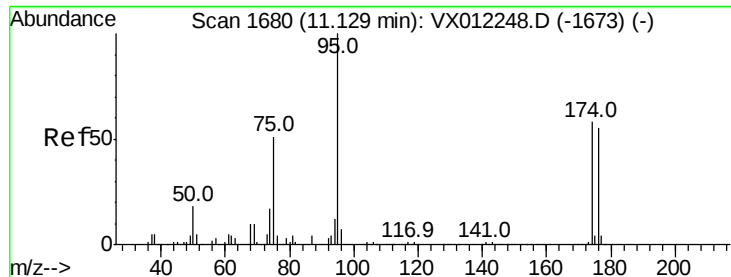
#50
 Toluene-d8
 Concen: 50.482 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012378.D
 Acq: 13 Sep 2019 11:16

Tgt Ion: 98 Resp: 256500
 Ion Ratio Lower Upper
 98 100
 100 66.6 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

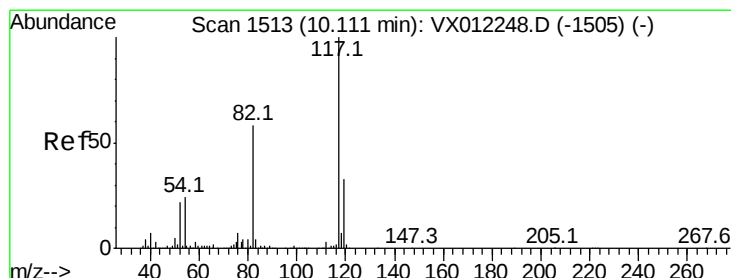
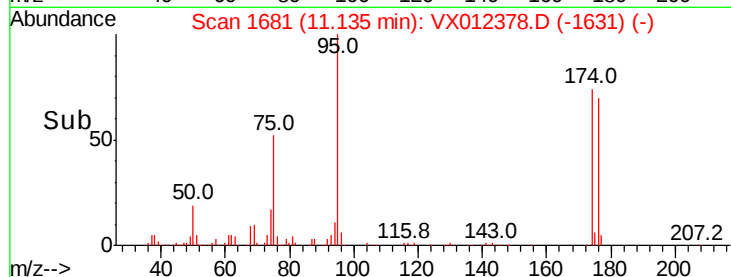
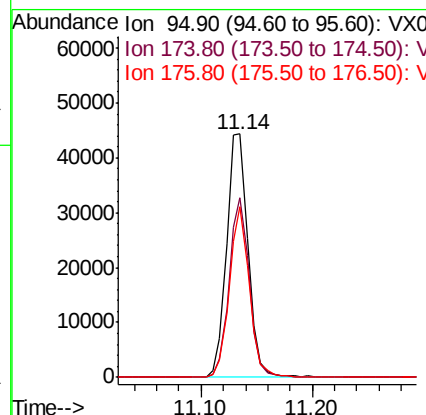
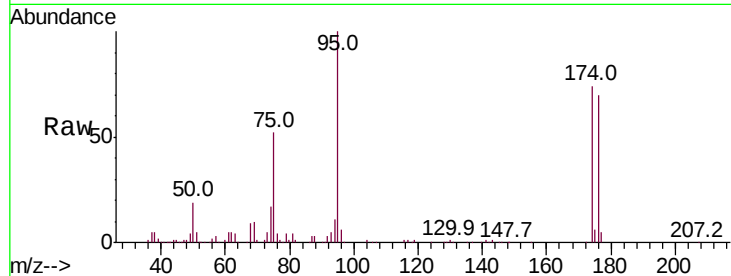




#62
4-Bromofluorobenzene
Concen: 25.154 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012378.D
Acq: 13 Sep 2019 11:16

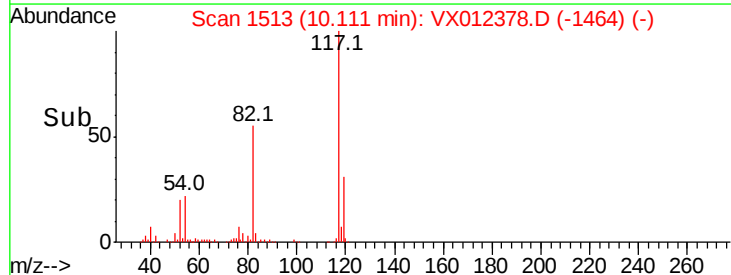
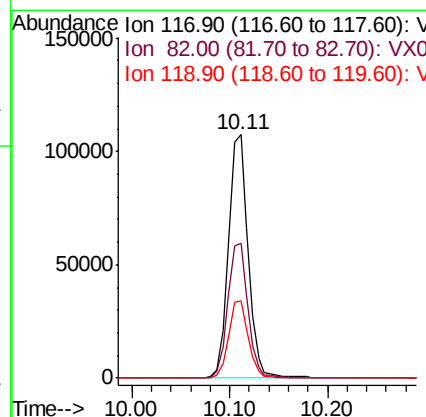
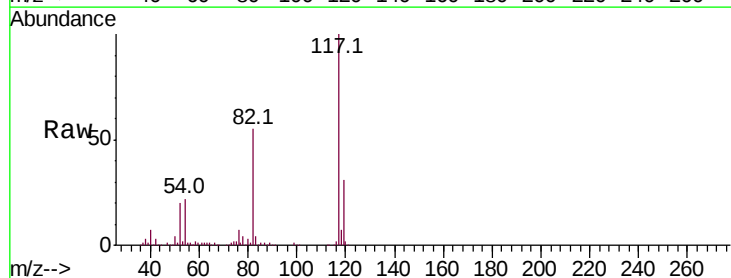
Instrument :
MSVOA_X
ClientSampled :

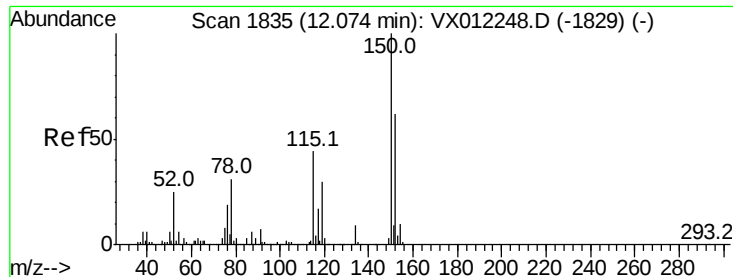
Tot Ion: 95 Resp: 59252
Ion Ratio Lower Upper
95 100
174 69.0 0.0 127.0
176 64.7 0.0 125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012378.D
Acq: 13 Sep 2019 11:16

Tgt Ion: 117 Resp: 149949
Ion Ratio Lower Upper
117 100
82 55.3 46.4 69.6
119 31.5 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

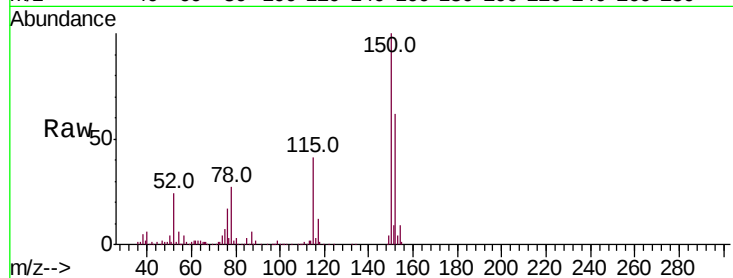
Tot Ion:152 Resp: 39980

Ion Ratio Lower Upper

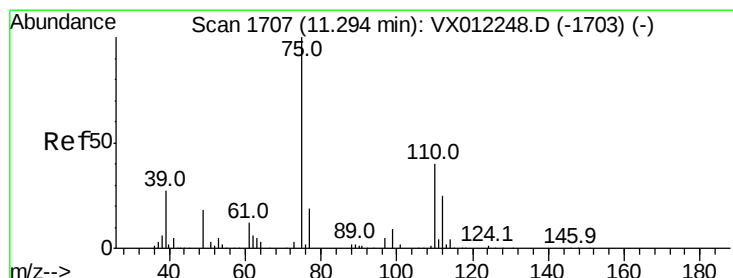
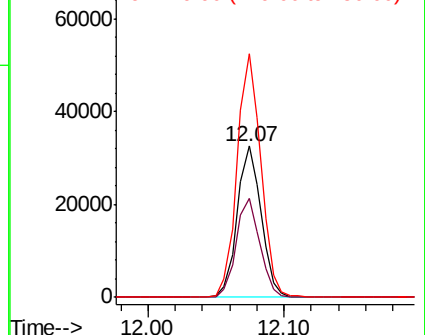
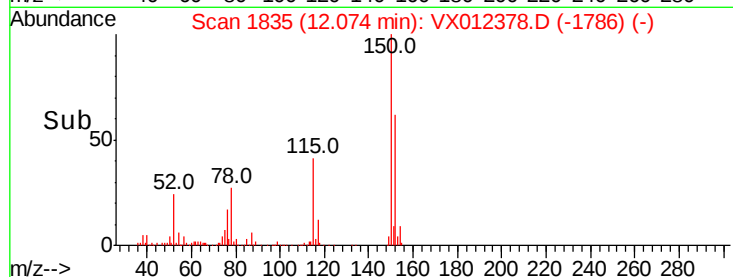
152 100

115 64.9 45.5 136.4

150 160.1 0.0 346.4



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: 60.724 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012378.D

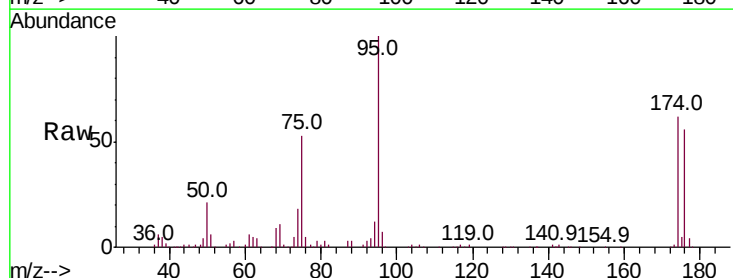
Acq: 13 Sep 2019 11:16

Tgt Ion: 75 Resp: 31188

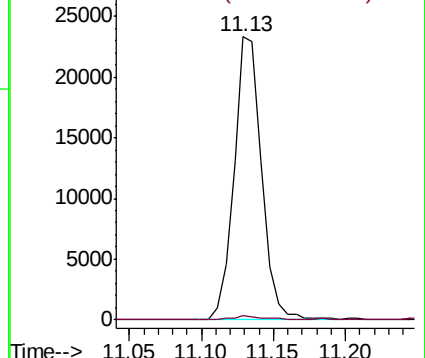
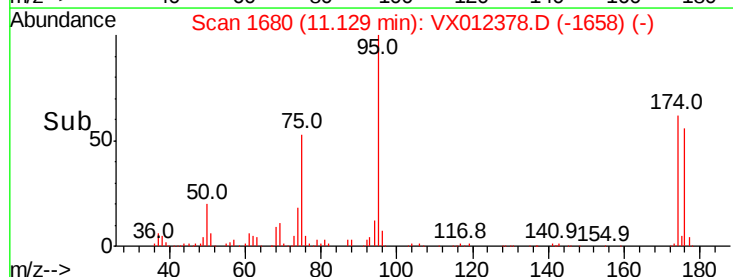
Ion Ratio Lower Upper

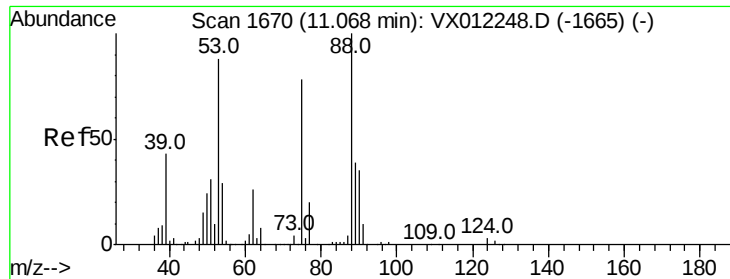
75 100

77 1.7 19.7 59.0#



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: 181.943 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

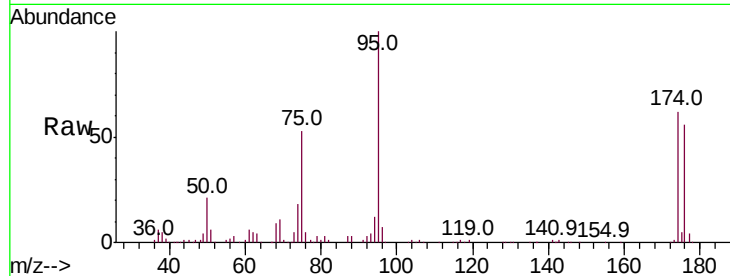
Tot Ion: 75 Resp: 31188

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

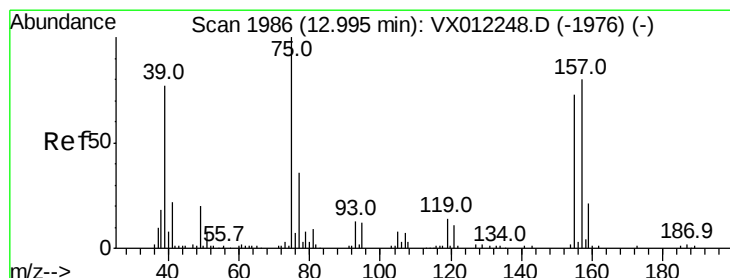
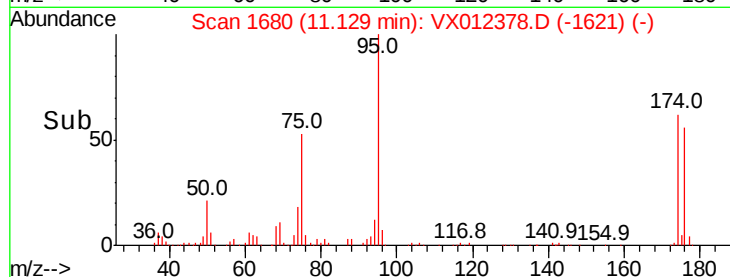
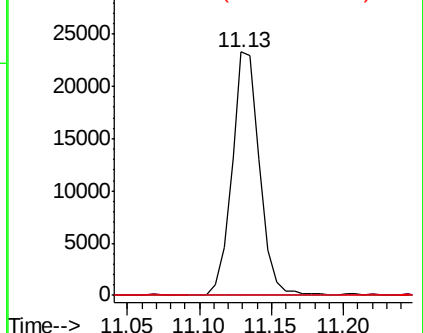
89 0.0 43.5 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.820 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX012378.D

Acq: 13 Sep 2019 11:16

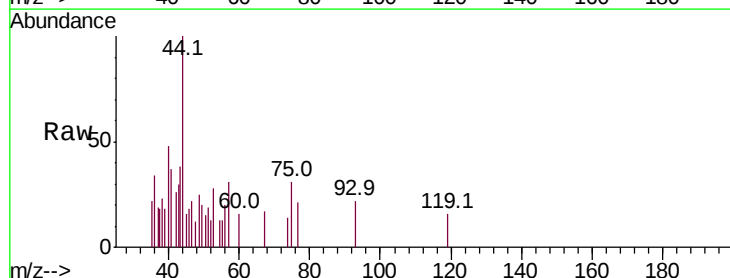
Tgt Ion: 75 Resp: 210

Ion Ratio Lower Upper

75 100

155 0.0 35.3 105.7#

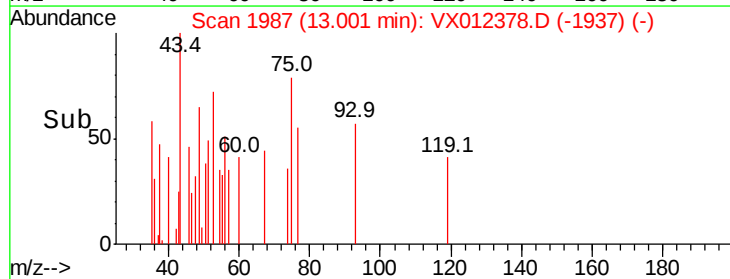
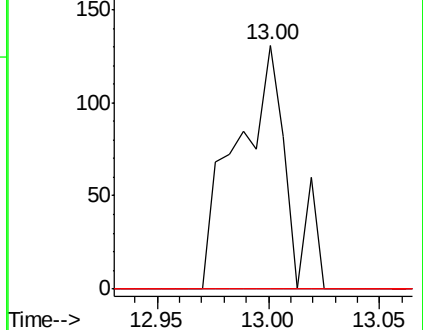
157 0.0 43.2 129.6#

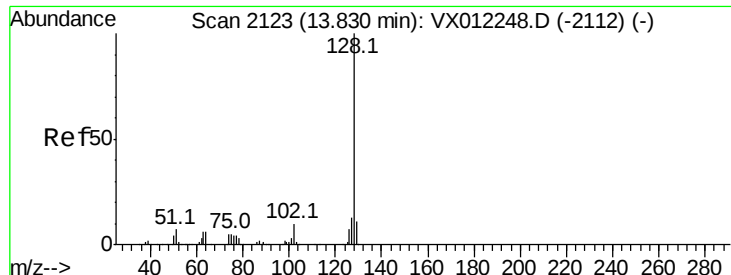


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

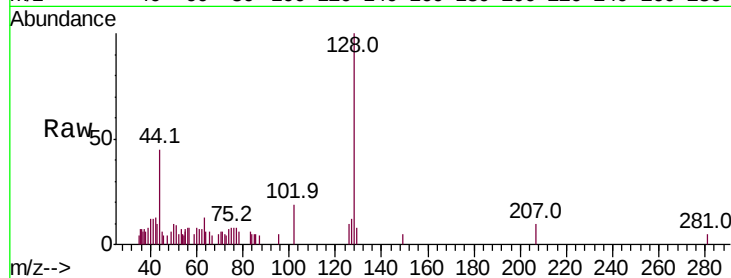




#95
Naphthalene
Concen: 1.154 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012378.D
Acq: 13 Sep 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.2	15.2
129	13.3	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

