

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012365.D
 Acq On : 12 Sep 2019 23:31
 Operator : SY/SP
 Sample : K4757-02
 Misc : 7.67g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A-0-4

Quant Time: Sep 13 02:03:06 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	150401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111165	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	105558	49.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.28%	
35) Dibromofluoromethane	5.49	113	78631	47.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.54%	
50) Toluene-d8	8.71	98	312019	53.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	11.14	95	123571	45.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.36%	

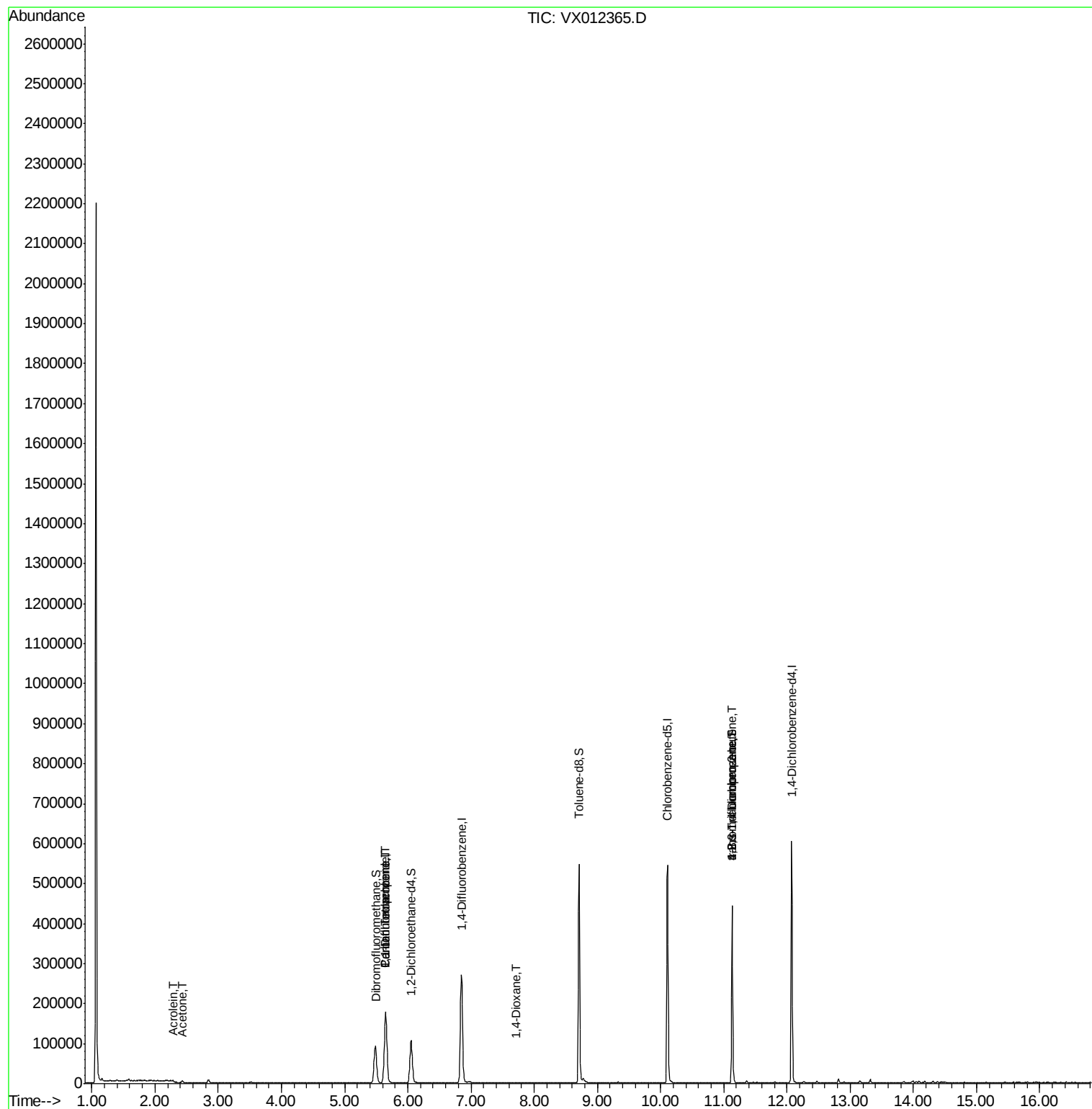
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	185	Below Cal	#	46
11) Tert butyl alcohol	3.03	59	329	Below Cal	#	35
13) Acrolein	2.29	56	230	2.069	ug/l	83
16) Acetone	2.43	43	4766	9.468	ug/l	96
20) Methylene Chloride	2.84	84	3216	Below Cal	#	81
36) 1,1-Dichloropropene	5.64	75	13951	7.373	ug/l #	53
38) Carbon Tetrachloride	5.65	117	17015	7.664	ug/l #	15
49) 1,4-Dioxane	7.70	88	47	2.951	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65524	45.883	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	65524	137.475	ug/l #	5

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

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A-0-4

Quant Time: Sep 13 02:03:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
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: VX012365.D

Acq: 12 Sep 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

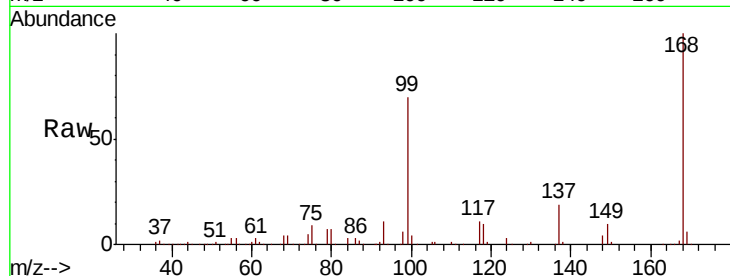
A-0-4

Tgt Ion: 168 Resp: 150401

Ion Ratio Lower Upper

168 100

99 69.7 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

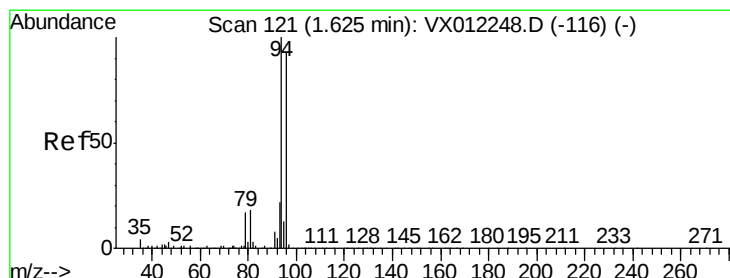
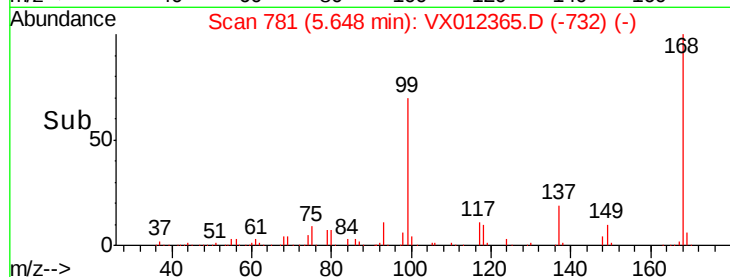
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012365.D

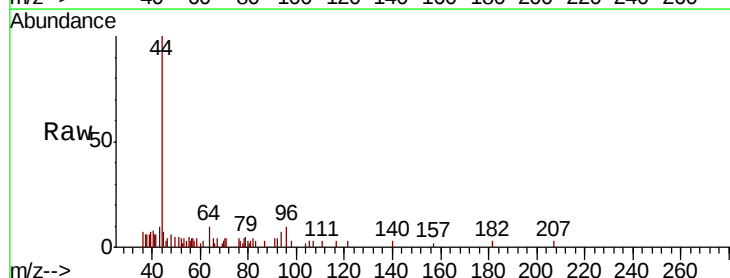
Acq: 12 Sep 2019 23:31

Tgt Ion: 94 Resp: 185

Ion Ratio Lower Upper

94 100

96 144.3 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

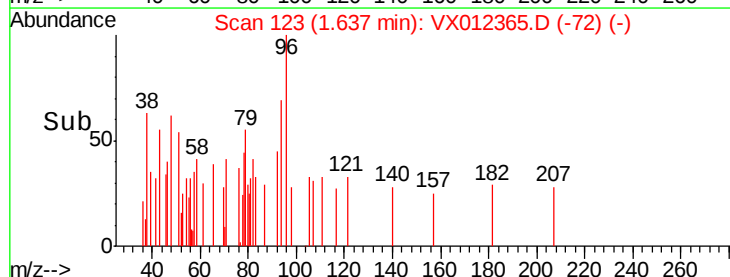
150

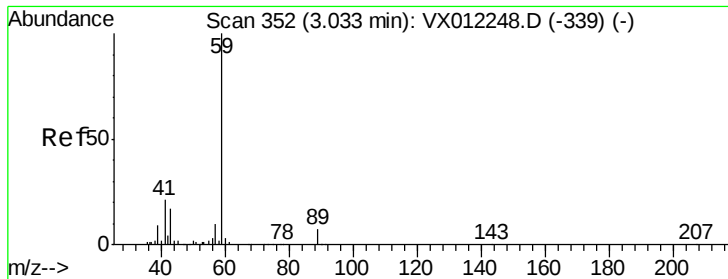
100

50

0

Time--> 1.62 1.64 1.66



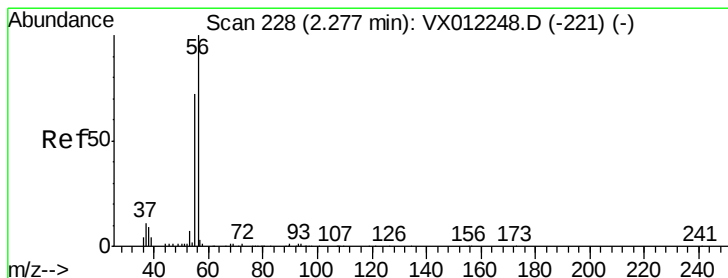
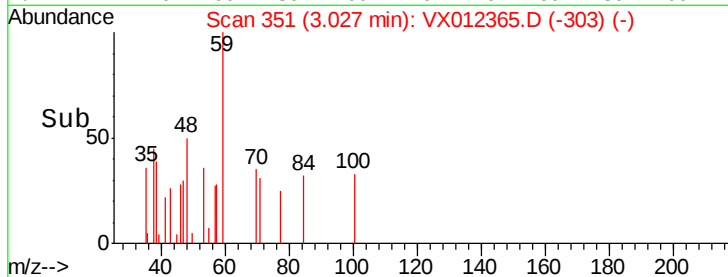
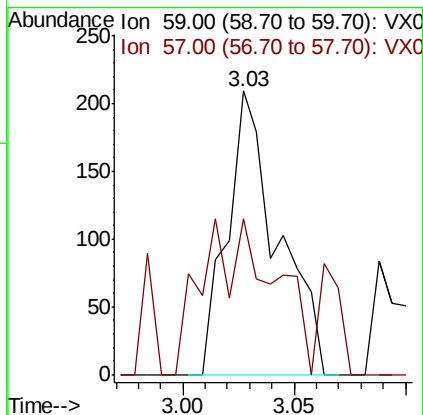
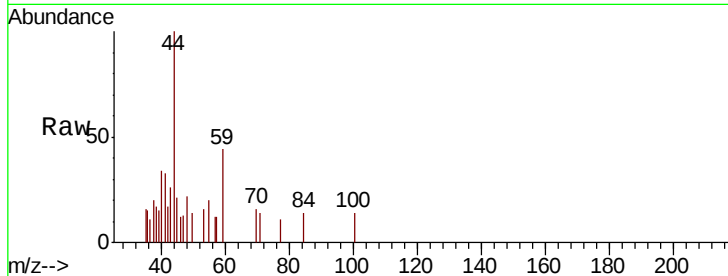


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012365.D
Acq: 12 Sep 2019 23:31

Instrument :
MSVOA_X
ClientSampled :
A-0-4

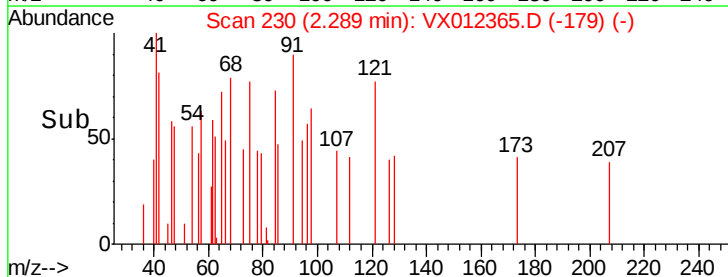
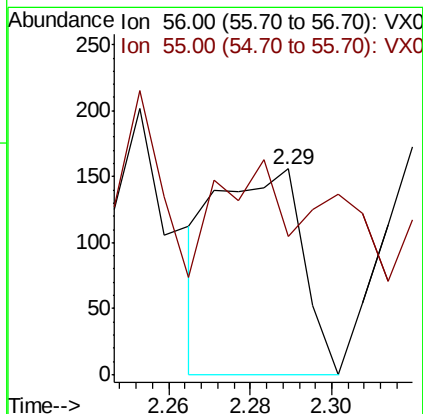
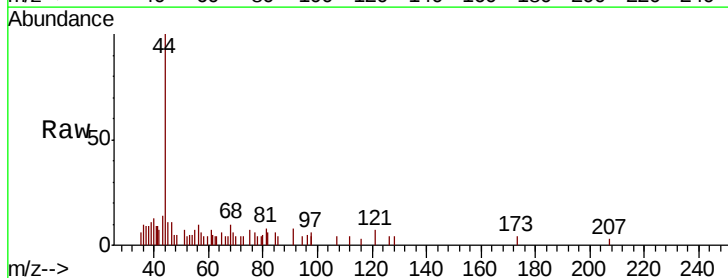
Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 33.7 7.8 11.6#

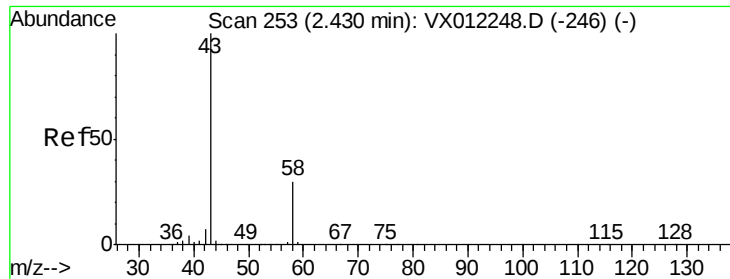


#13

Acrolein
Concen: 2.069 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX012365.D
Acq: 12 Sep 2019 23:31

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 89.6 59.8 89.6





#16

Acetone

Concen: 9.468 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012365.D

Acq: 12 Sep 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

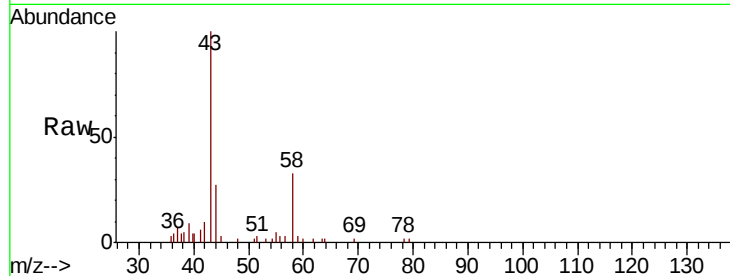
A-0-4

Tgt Ion: 43 Resp: 4766

Ion Ratio Lower Upper

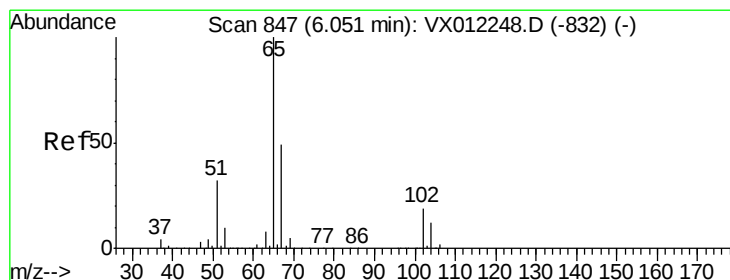
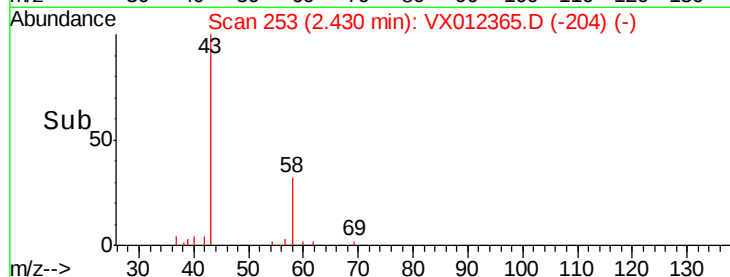
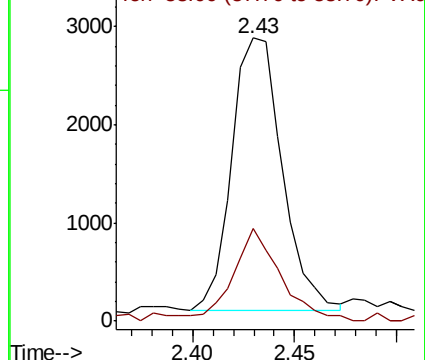
43 100

58 31.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.642 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012365.D

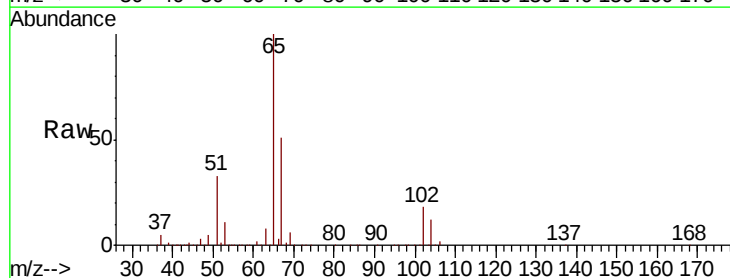
Acq: 12 Sep 2019 23:31

Tgt Ion: 65 Resp: 105558

Ion Ratio Lower Upper

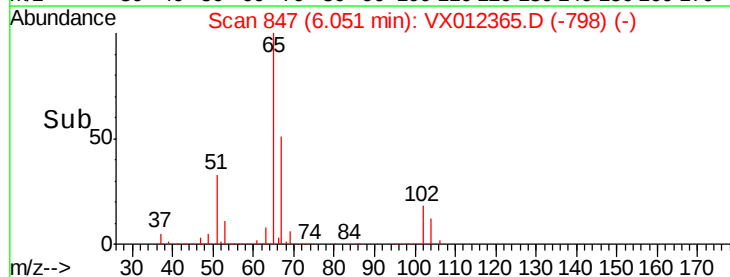
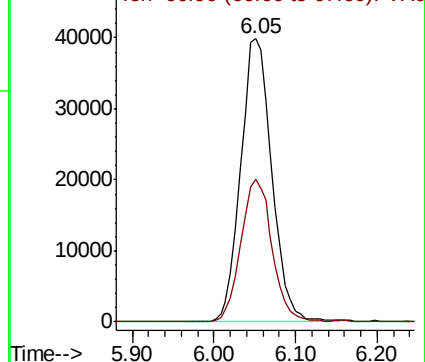
65 100

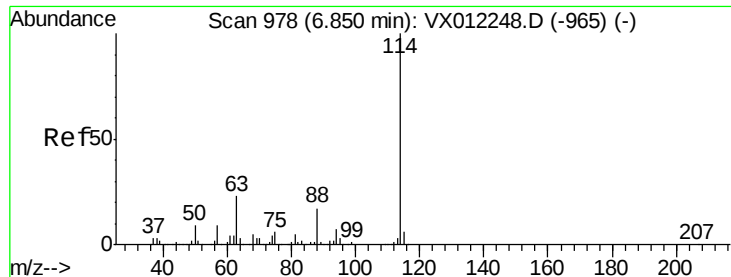
67 50.6 0.0 99.8



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012365.D

Acq: 12 Sep 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

A-0-4

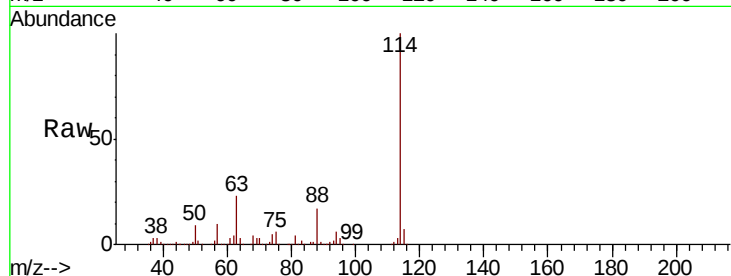
Tgt Ion:114 Resp: 259500

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

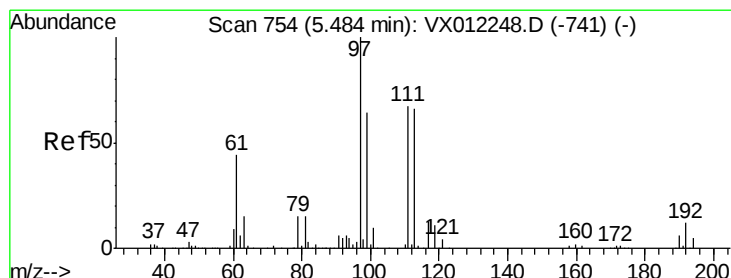
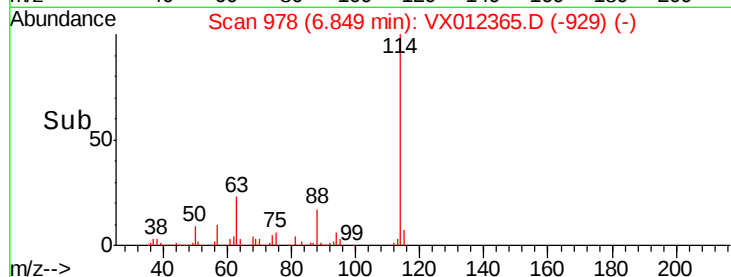
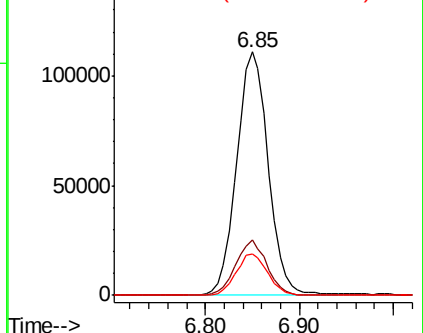
88 16.8 0.0 34.8



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: 47.268 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012365.D

Acq: 12 Sep 2019 23:31

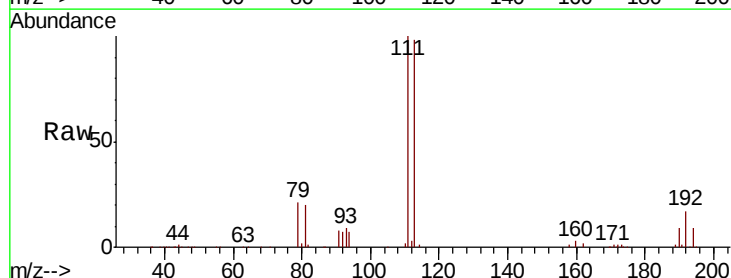
Tgt Ion:113 Resp: 78631

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

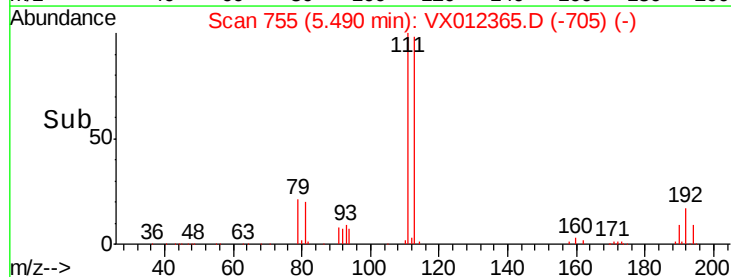
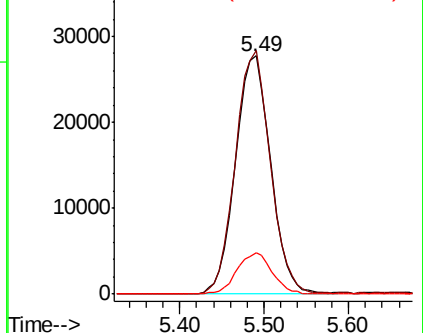
192 17.4 14.3 21.5

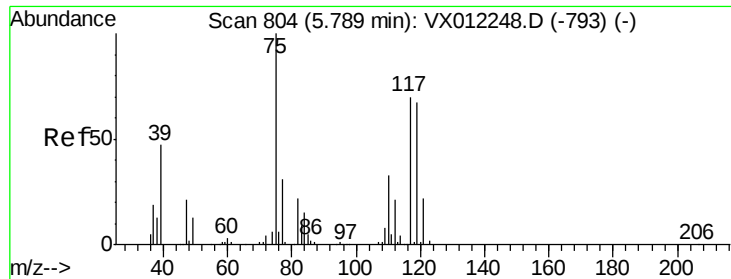


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.373 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012365.D

Acq: 12 Sep 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

A-0-4

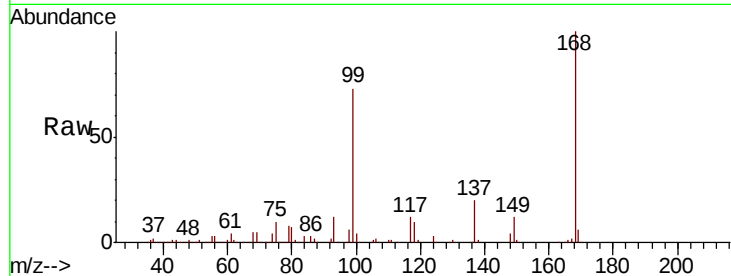
Tgt Ion: 75 Resp: 13951

Ion Ratio Lower Upper

75 100

110 11.0 16.8 50.4#

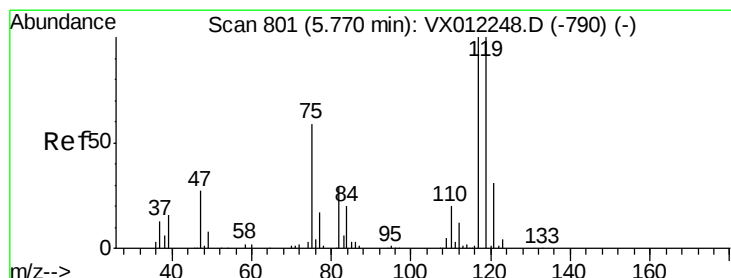
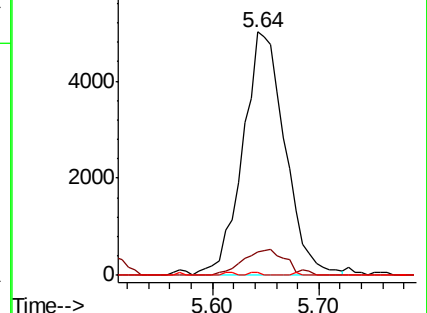
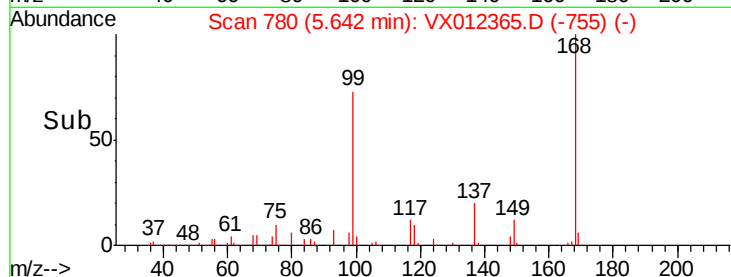
77 0.3 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.664 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012365.D

Acq: 12 Sep 2019 23:31

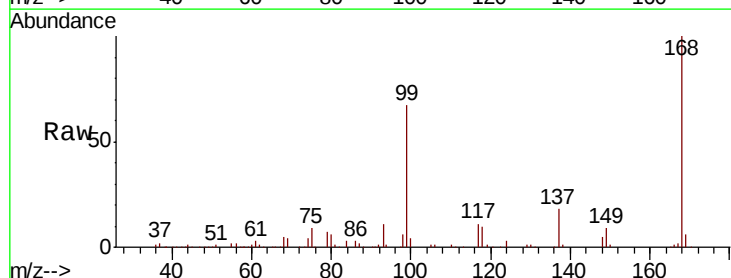
Tgt Ion: 117 Resp: 17015

Ion Ratio Lower Upper

117 100

119 5.7 79.6 119.4#

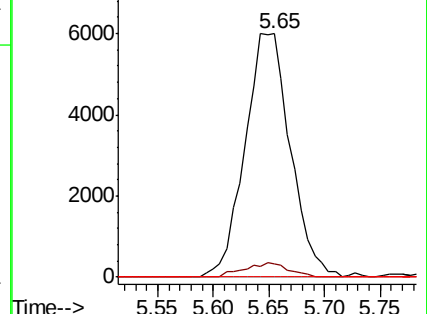
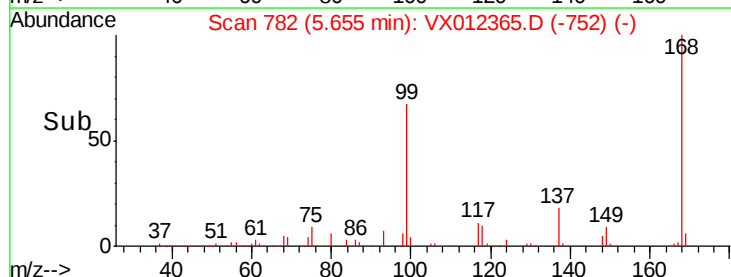
121 0.0 24.7 37.1#

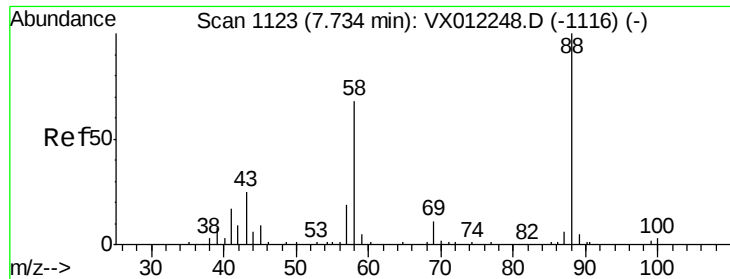


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

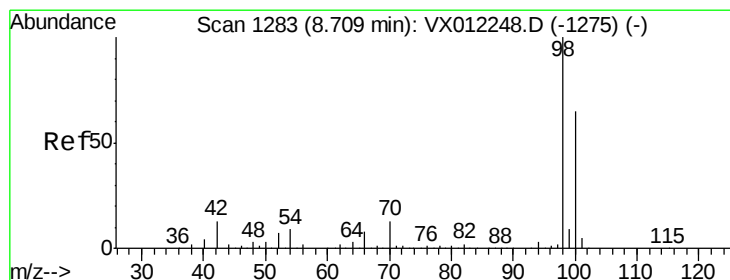
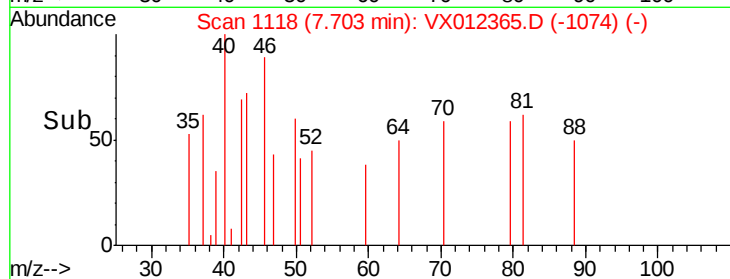
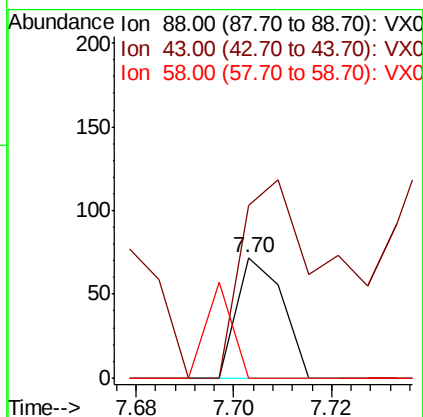
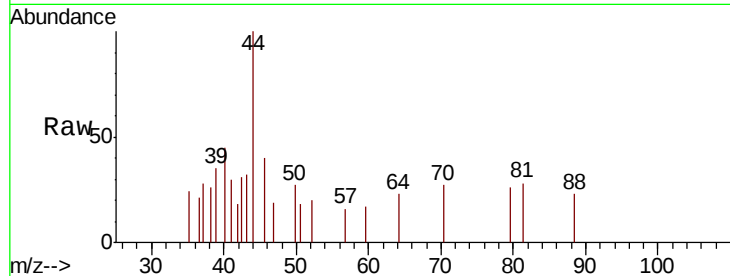




#49
1,4-Dioxane
Concen: 2.951 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.03 min
Lab File: VX012365.D
Acq: 12 Sep 2019 23:31

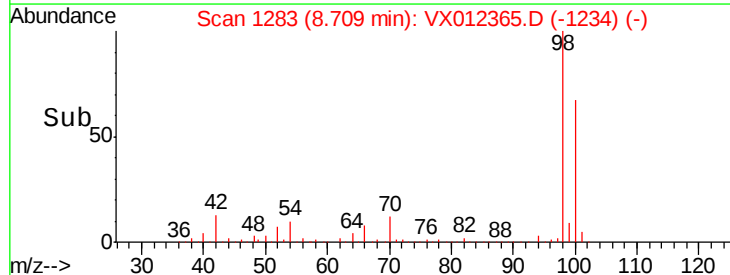
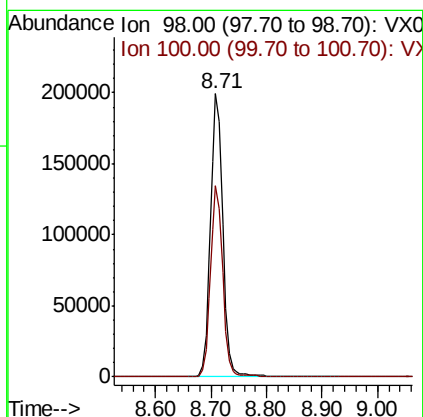
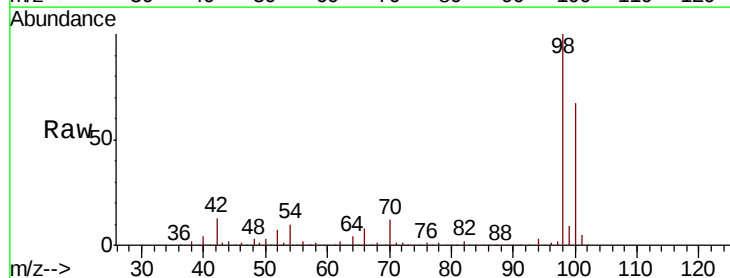
Instrument :
MSVOA_X
ClientSampleID :
A-0-4

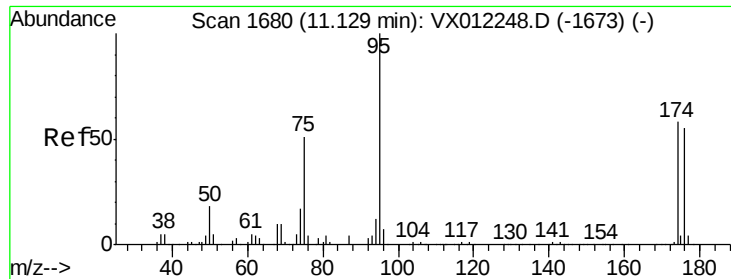
Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 319.1 31.0 46.4#
58 44.7 61.5 92.3#



#50
Toluene-d8
Concen: 53.478 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012365.D
Acq: 12 Sep 2019 23:31

Tgt Ion: 98 Resp: 312019
Ion Ratio Lower Upper
98 100
100 67.2 54.1 81.1

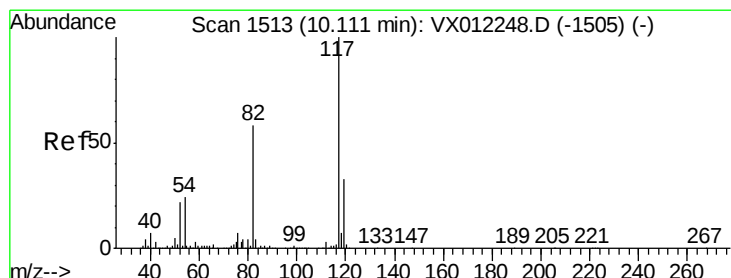
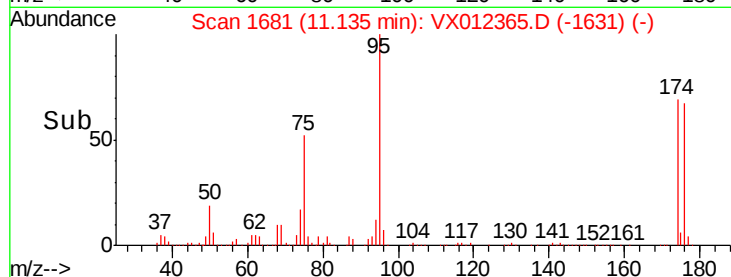
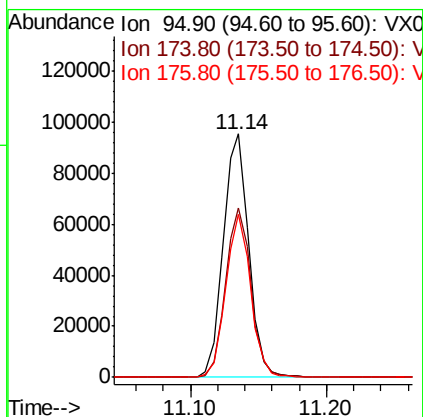
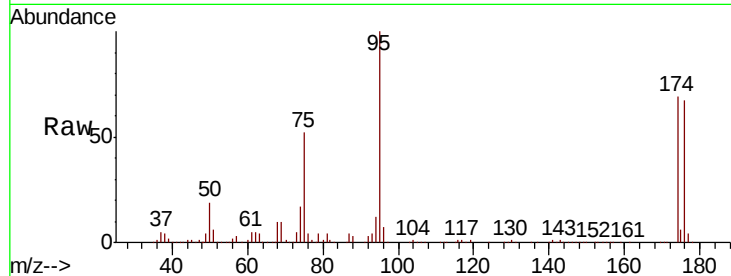




#62
4-Bromofluorobenzene
Concen: 45.684 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012365.D
Acq: 12 Sep 2019 23:31

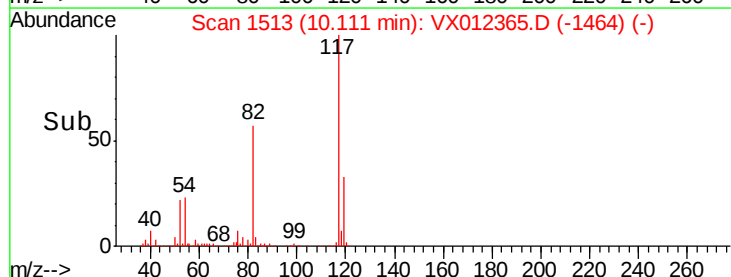
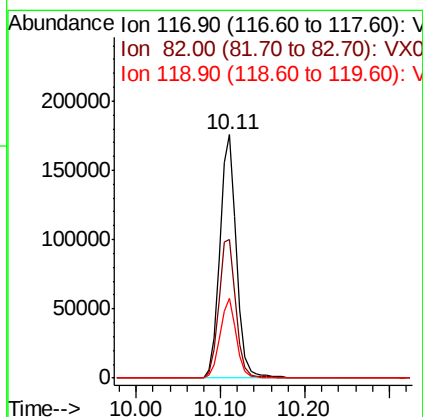
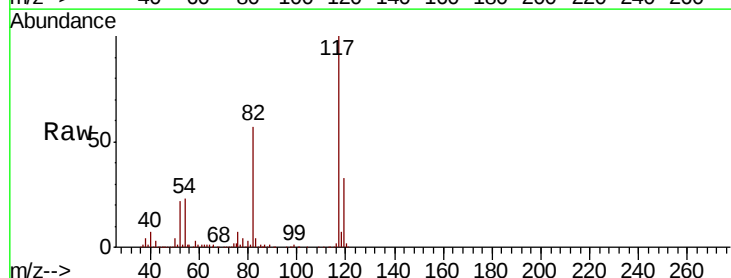
Instrument :
MSVOA_X
ClientSampleId :
A-0-4

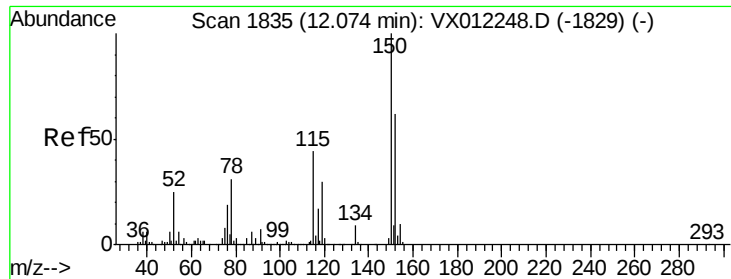
Tgt Ion: 95 Resp: 123571
Ion Ratio Lower Upper
95 100
174 69.3 0.0 127.0
176 65.8 0.0 125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012365.D
Acq: 12 Sep 2019 23:31

Tgt Ion: 117 Resp: 238197
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 32.6 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: VX012365.D

Acq: 12 Sep 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

A-0-4

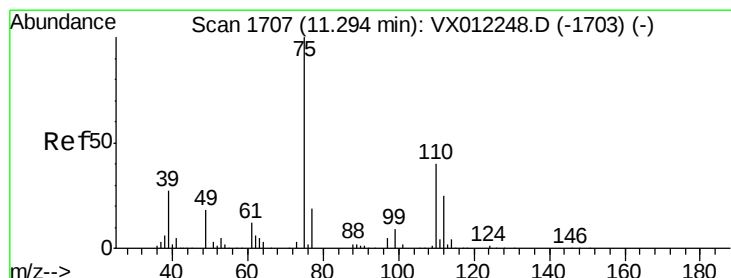
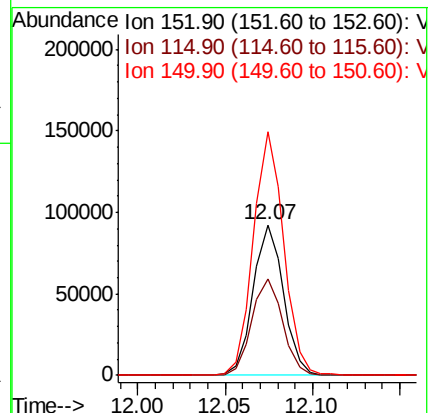
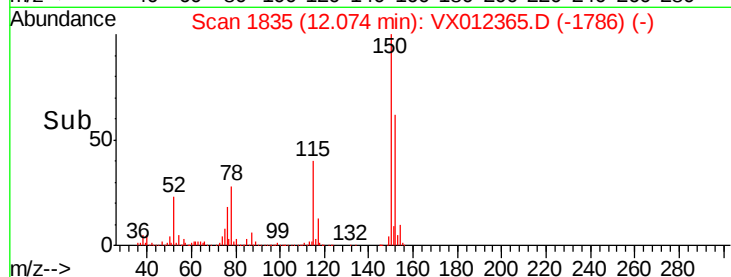
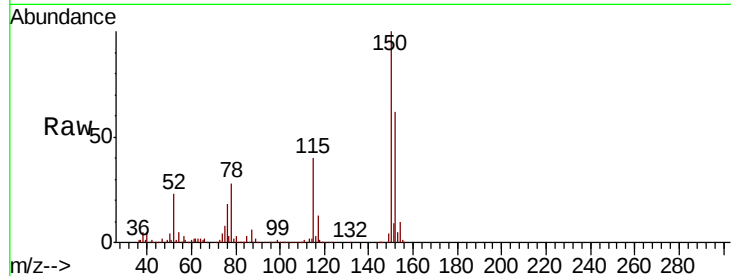
Tgt Ion:152 Resp: 111165

Ion Ratio Lower Upper

152 100

115 66.0 45.5 136.4

150 162.1 0.0 346.4



#76

1,2,3-Trichloropropane

Concen: 45.883 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012365.D

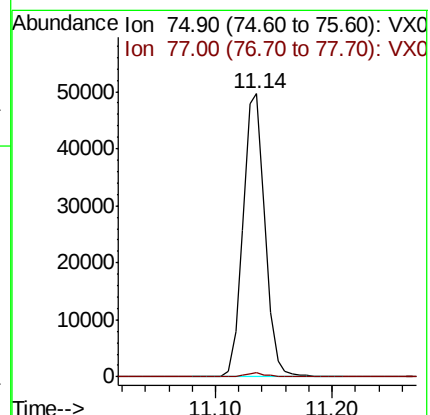
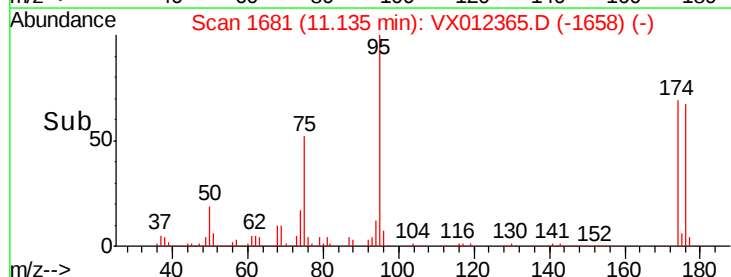
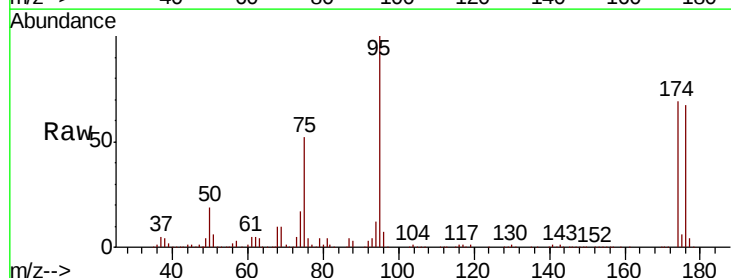
Acq: 12 Sep 2019 23:31

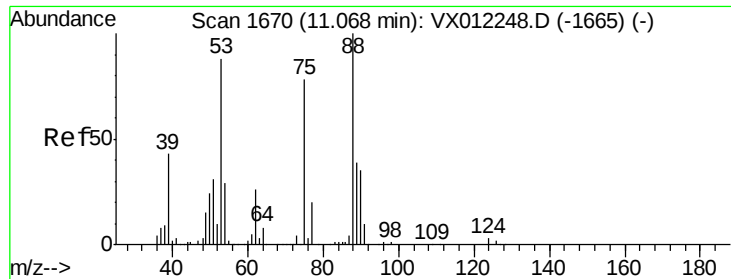
Tgt Ion: 75 Resp: 65524

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.475 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012365.D

Acq: 12 Sep 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

A-0-4

Tgt Ion: 75 Resp: 65524

Ion Ratio Lower Upper

75 100

53 0.3 88.1 132.1#

89 0.1 43.5 65.3#

