

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014206.D
 Acq On : 23 Dec 2019 16:46
 Operator : JC/SP
 Sample : K6393-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-12-20-19

Quant Time: Dec 24 01:31:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	576914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	880279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	792442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	350072	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	316383	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.49	113	265560	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	1049959	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	356771	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

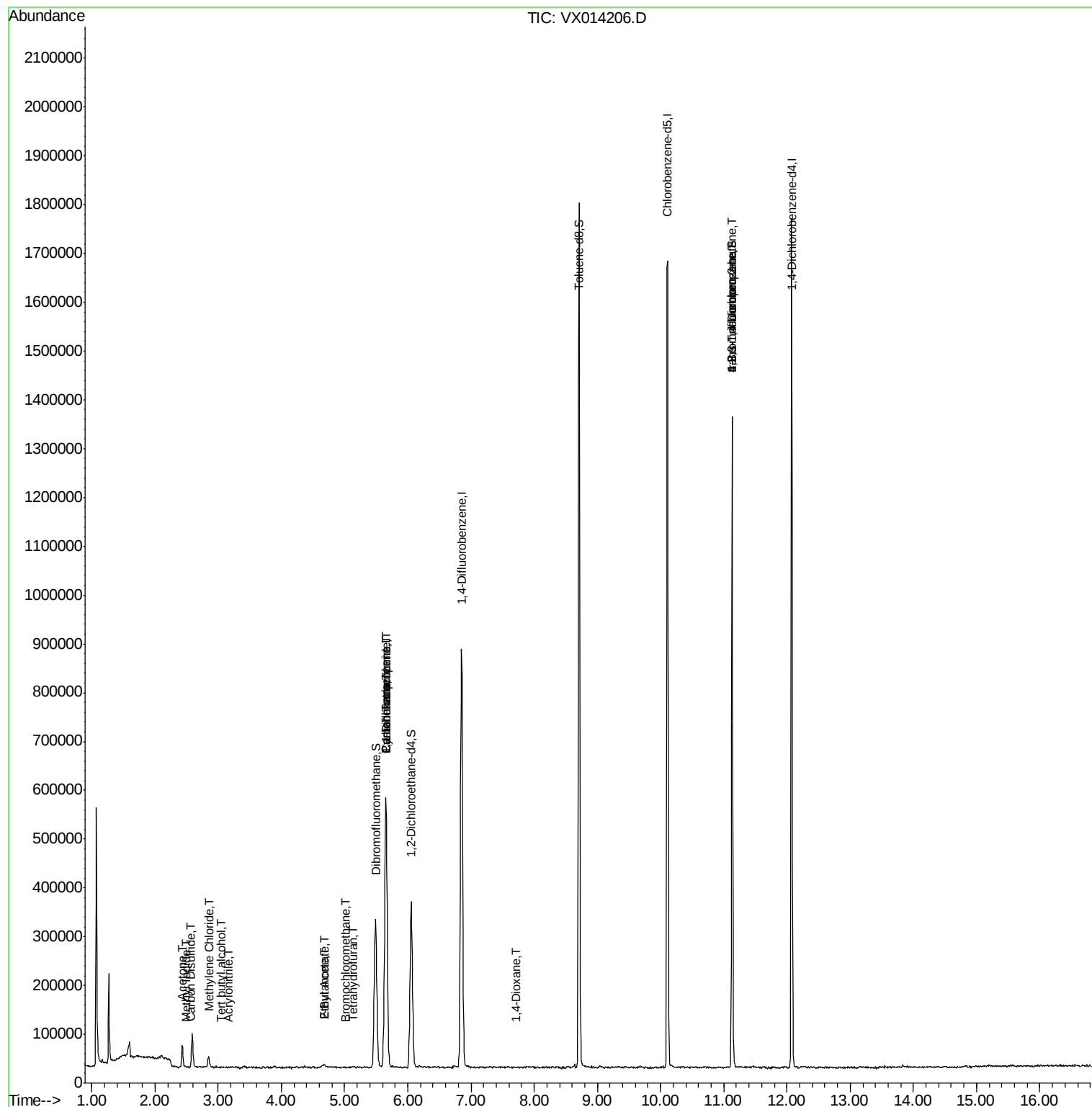
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	519	2.689	ug/l #	82
11) Tert butyl alcohol	3.06	59	377	0.267	ug/l #	1
15) Acrylonitrile	3.16	53	669	0.203	ug/l #	40
16) Acetone	2.43	43	48120	11.336	ug/l	98
17) Carbon Disulfide	2.56	76	1289	0.833	ug/l #	55
20) Methylene Chloride	2.85	84	10634	1.591	ug/l	90
25) 2-Butanone	4.68	43	16614	3.175	ug/l #	83
28) Bromochloromethane	5.01	49	80	0.473	ug/l #	11
29) Tetrahydrofuran	5.14	42	1564	0.534	ug/l	93
31) Cyclohexane	5.65	56	10406	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	39127	4.844	ug/l #	50
37) Ethyl Acetate	4.68	43	16614	1.863	ug/l #	74
38) Carbon Tetrachloride	5.65	117	50473	6.860	ug/l #	16
49) 1,4-Dioxane	7.71	88	372	2.529	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	171416	22.555	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	171416	63.661	ug/l #	11

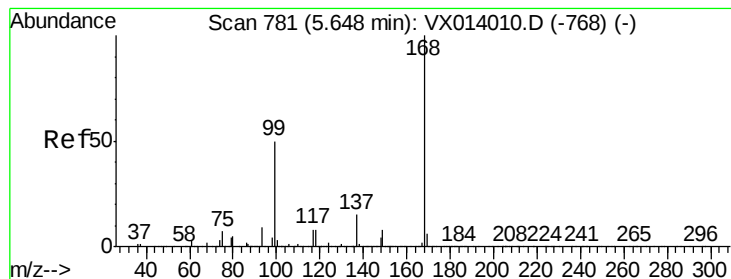
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

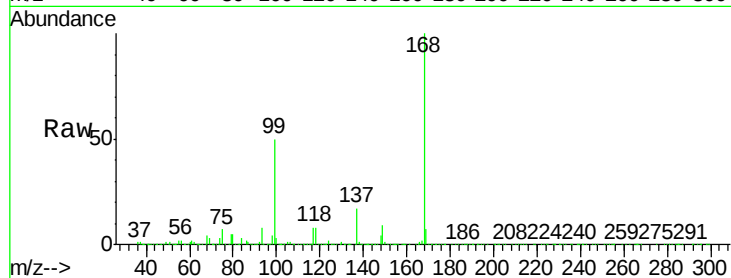
TB-12-20-19

Tgt Ion:168 Resp: 576914

Ion Ratio Lower Upper

168 100

99 50.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

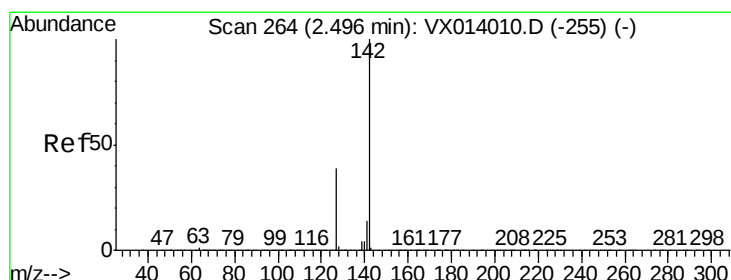
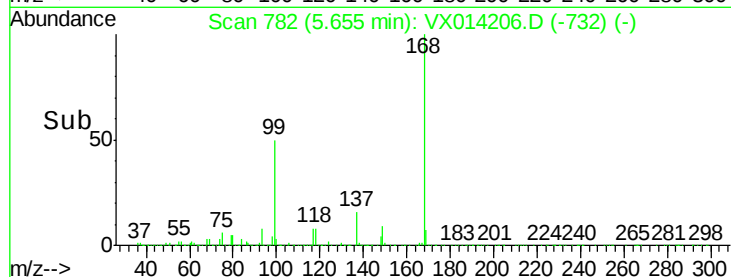
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 2.689 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

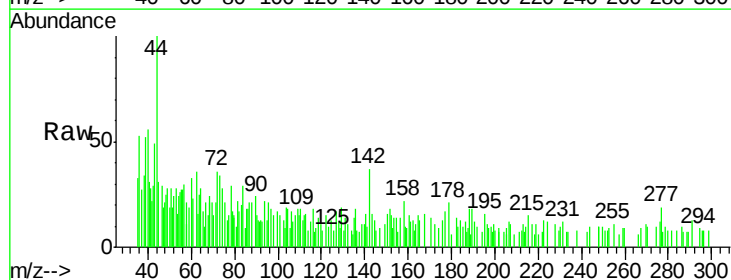
Tgt Ion:142 Resp: 519

Ion Ratio Lower Upper

142 100

127 51.1 31.6 47.4#

141 21.2 11.6 17.4#



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

2.50

400

300

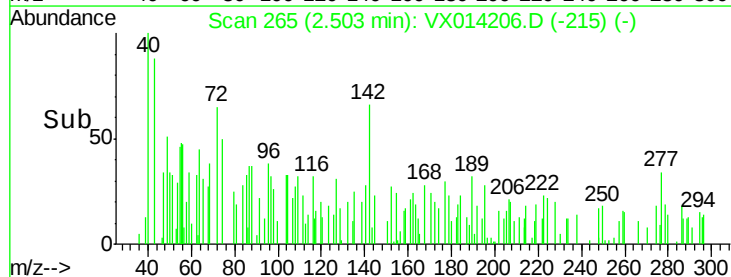
200

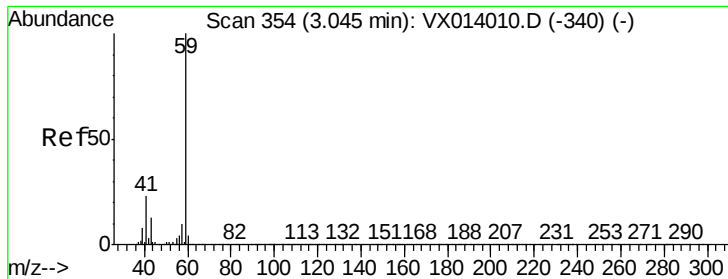
100

0

Time-->

2.48 2.50 2.52 2.54



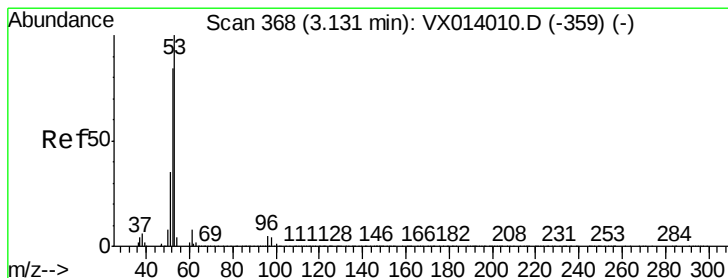
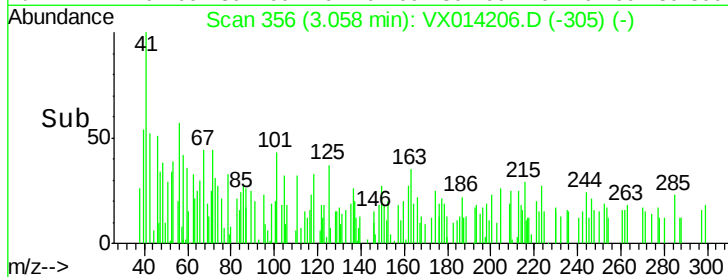
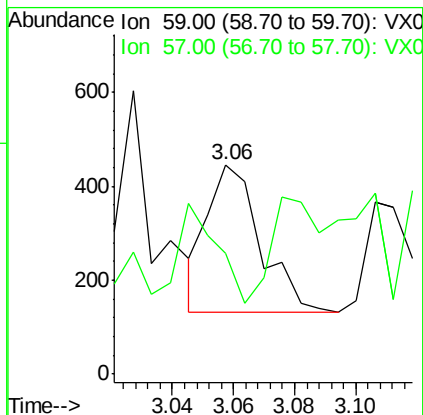
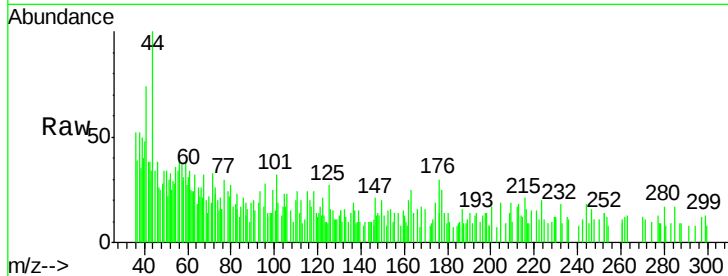


#11

Tert butyl alcohol
 Concen: 0.267 ug/l
 RT: 3.06 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VX014206.D
 Acq: 23 Dec 2019 16:46

Instrument :
 MSVOA_X
 ClientSampled :
 TB-12-20-19

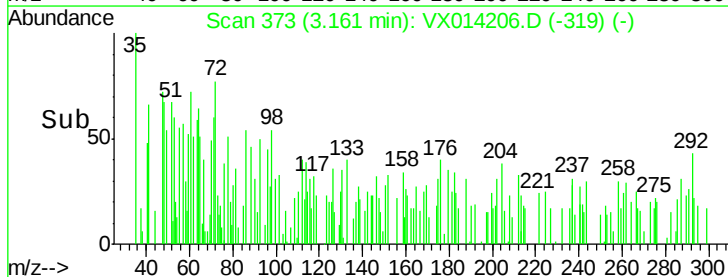
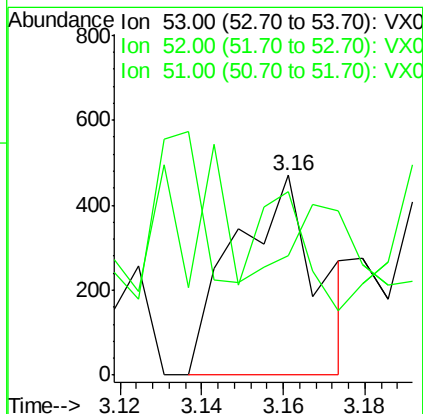
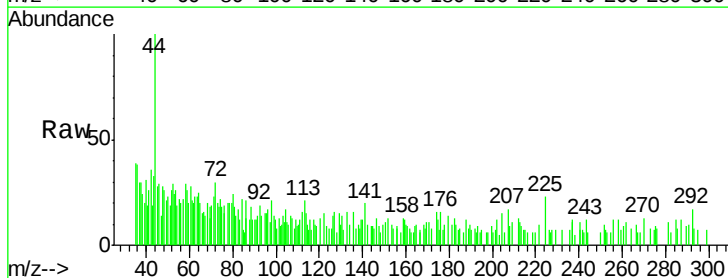
Tgt Ion: 59 Resp: 377
 Ion Ratio Lower Upper
 59 100
 57 49.1 8.4 12.6#

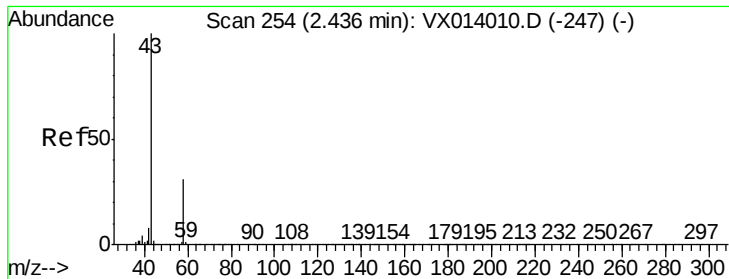


#15

Acrylonitrile
 Concen: 0.203 ug/l
 RT: 3.16 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VX014206.D
 Acq: 23 Dec 2019 16:46

Tgt Ion: 53 Resp: 669
 Ion Ratio Lower Upper
 53 100
 52 29.7 66.5 99.7#
 51 0.0 28.1 42.1#

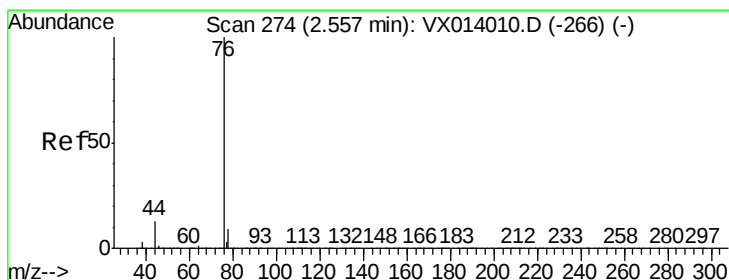
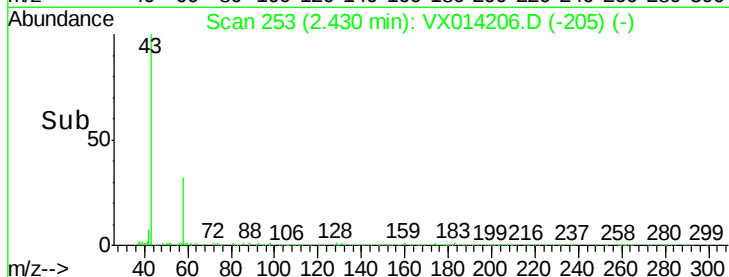
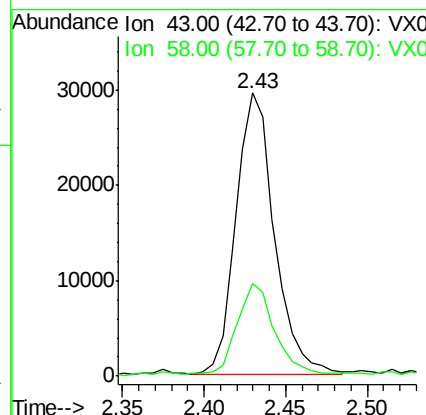
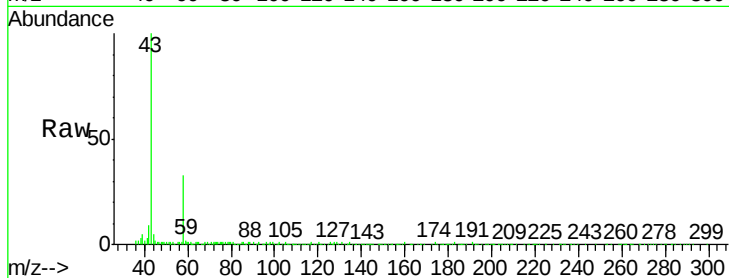




#16
Acetone
Concen: 11.336 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

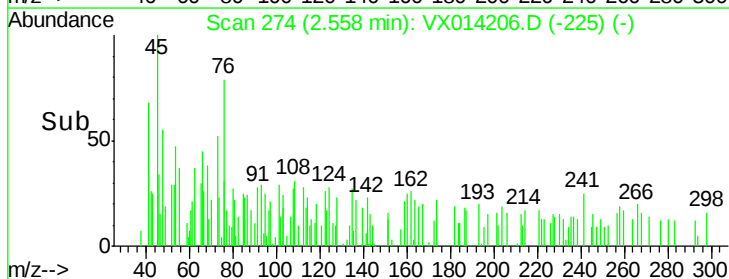
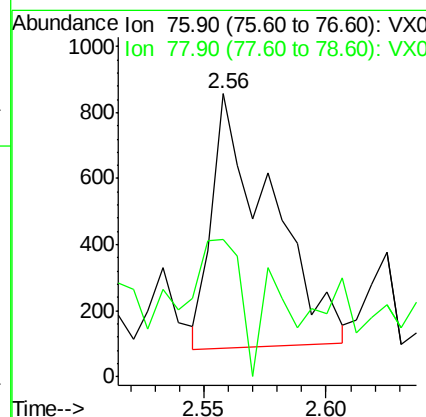
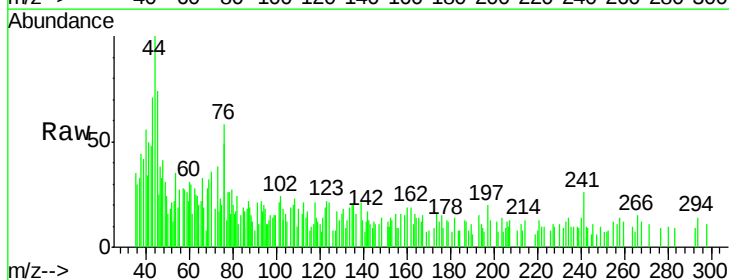
Instrument :
MSVOA_X
ClientSampled :
TB-12-20-19

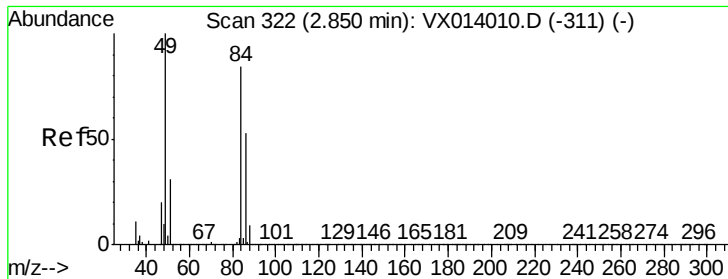
Tgt Ion: 43 Resp: 48120
Ion Ratio Lower Upper
43 100
58 32.0 24.9 37.3



#17
Carbon Disulfide
Concen: 0.833 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

Tgt Ion: 76 Resp: 1289
Ion Ratio Lower Upper
76 100
78 25.4 7.2 10.8#

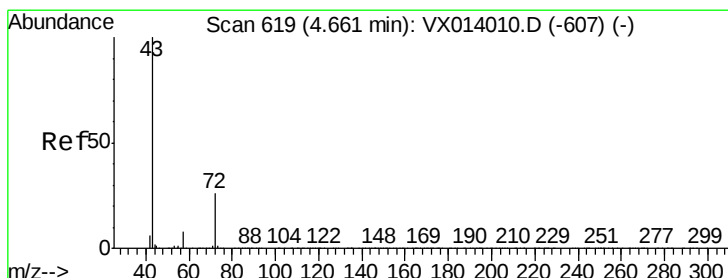
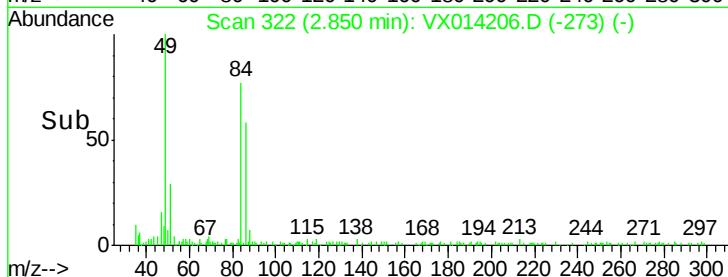
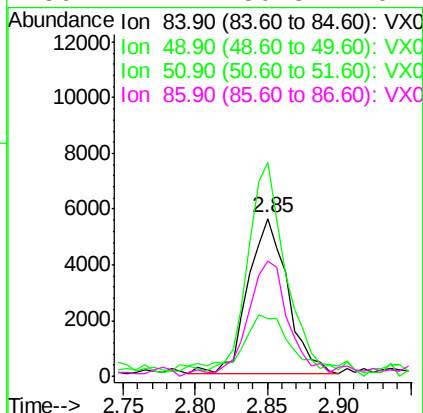
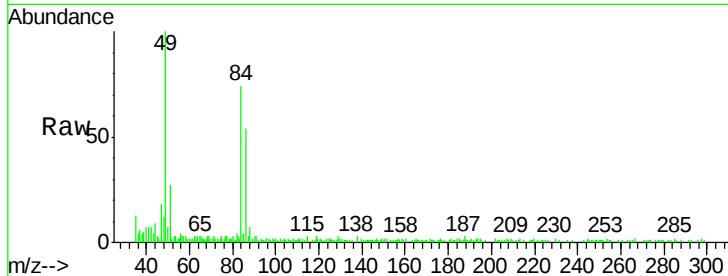




#20
Methylene Chloride
Concen: 1.591 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

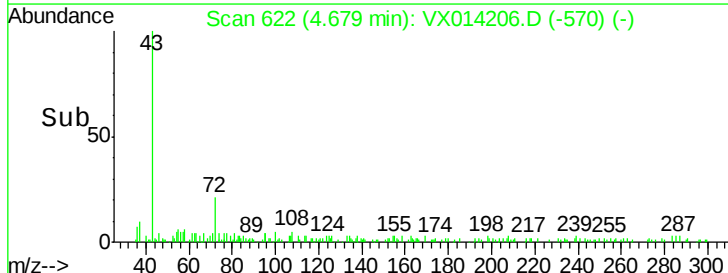
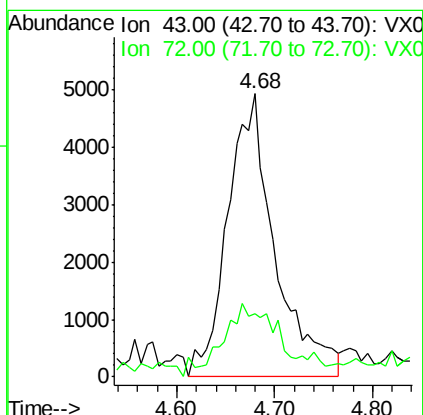
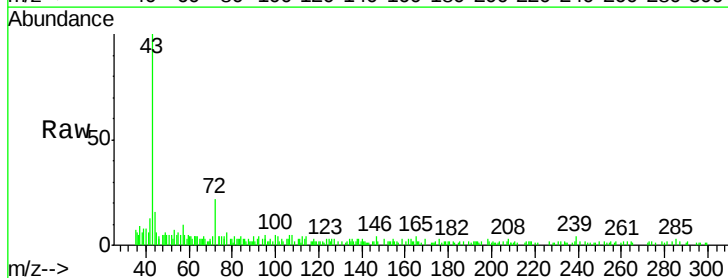
Instrument :
MSVOA_X
ClientSampleId :
TB-12-20-19

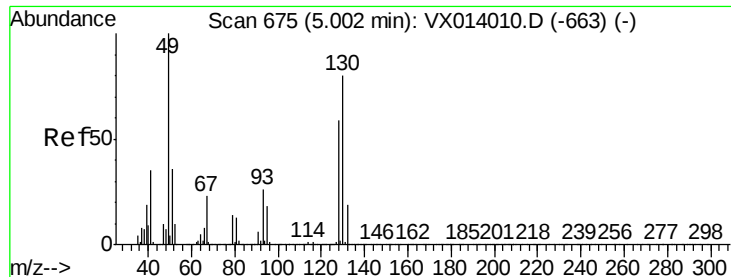
Tgt Ion:	84	Resp:	10634
Ion	Ratio	Lower	Upper
84	100		
49	131.1	95.8	143.6
51	33.7	29.8	44.8
86	71.7	50.8	76.2



#25
2-Butanone
Concen: 3.175 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

Tgt Ion:	43	Resp:	16614
Ion	Ratio	Lower	Upper
43	100		
72	17.7	21.0	31.4#





#28

Bromochloromethane

Concen: 0.473 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Instrument :

MSVOA_X

ClientSampled :

TB-12-20-19

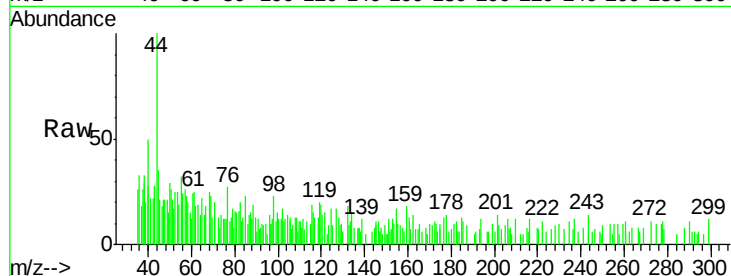
Tgt Ion: 49 Resp: 80

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

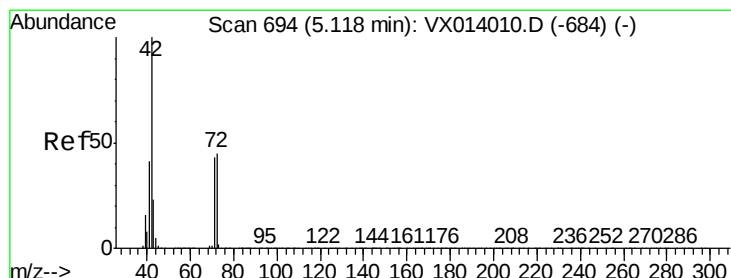
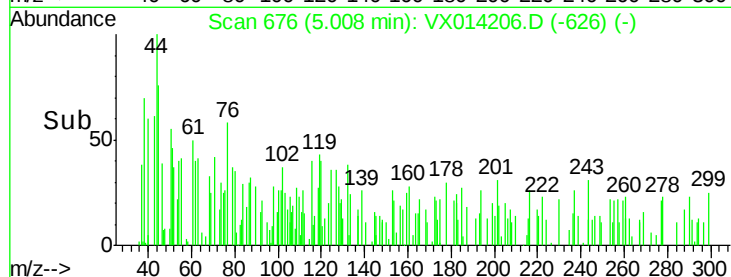
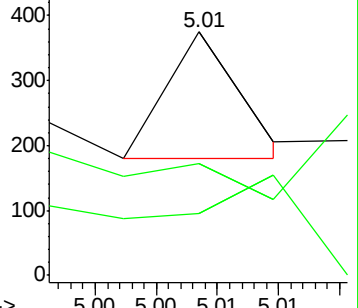
130 0.0 64.6 97.0#



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



#29

Tetrahydrofuran

Concen: 0.534 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

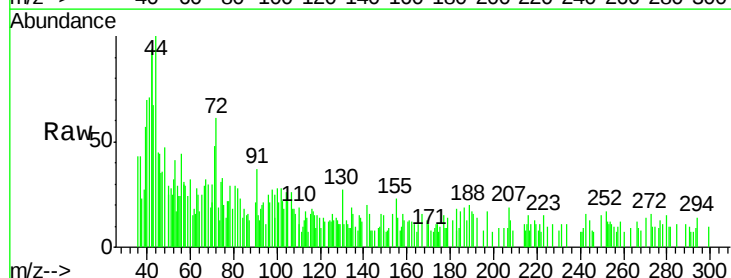
Tgt Ion: 42 Resp: 1564

Ion Ratio Lower Upper

42 100

72 48.5 35.8 53.8

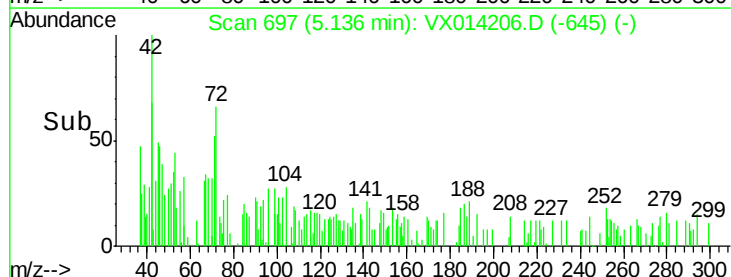
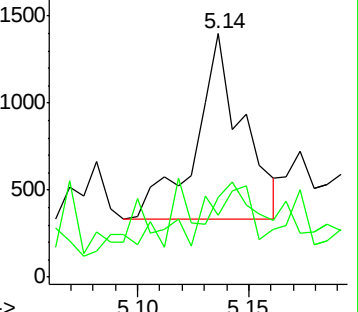
71 37.1 33.6 50.4

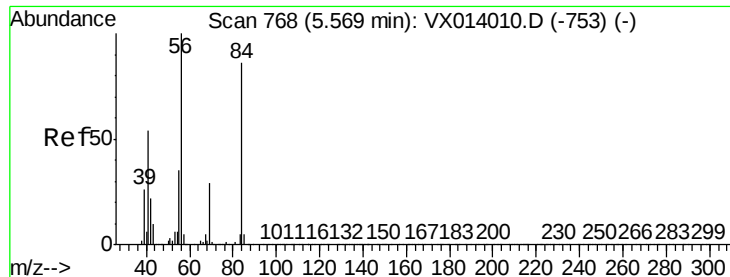


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

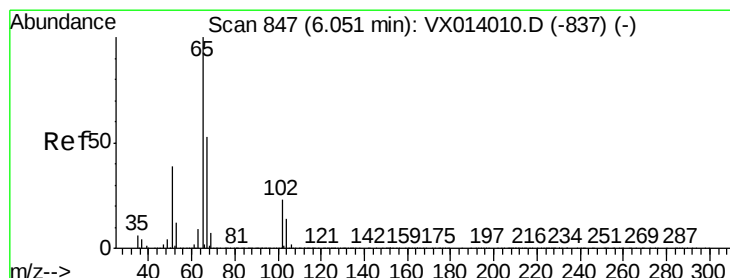
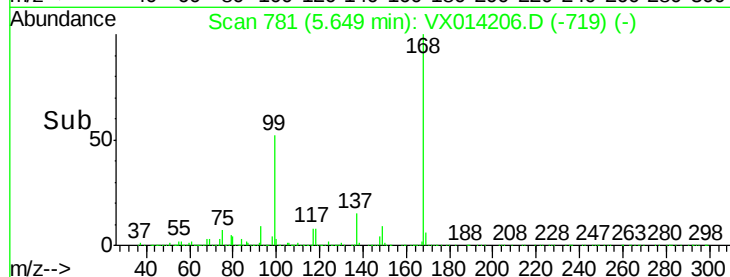
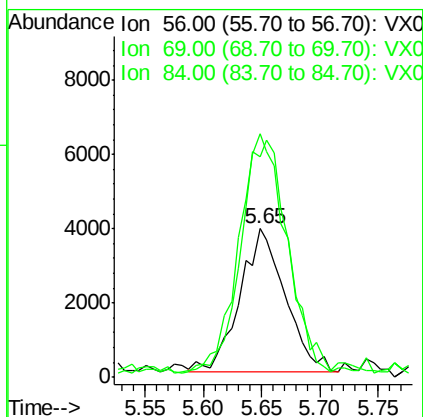
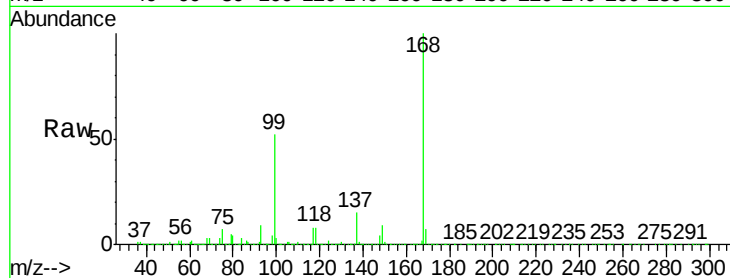




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

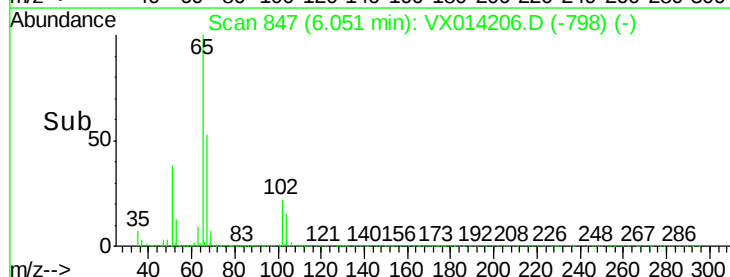
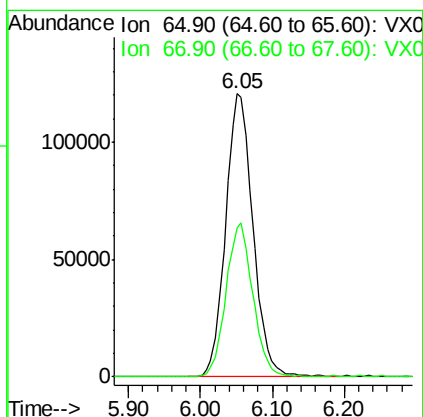
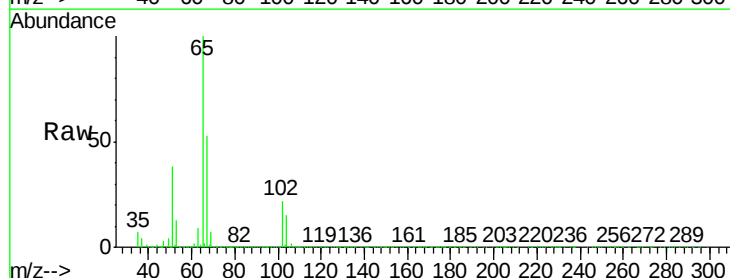
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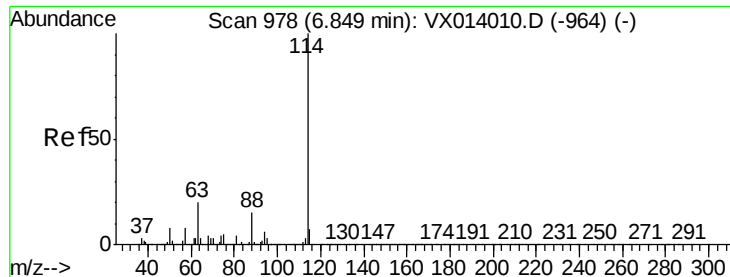
Tgt Ion: 56 Resp: 10406
Ion Ratio Lower Upper
56 100
69 168.6 23.2 34.8#
84 153.5 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 48.388 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

Tgt Ion: 65 Resp: 316383
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

TB-12-20-19

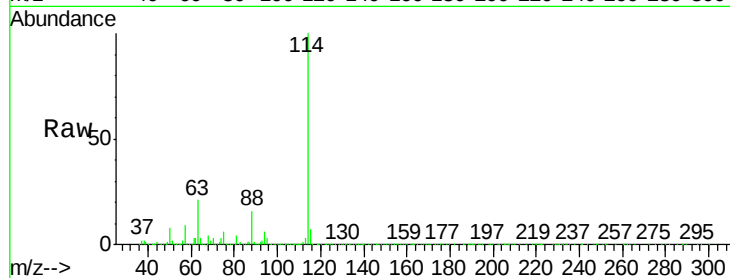
Tgt Ion:114 Resp: 880279

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

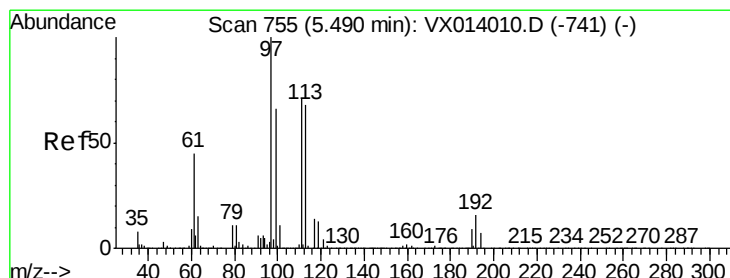
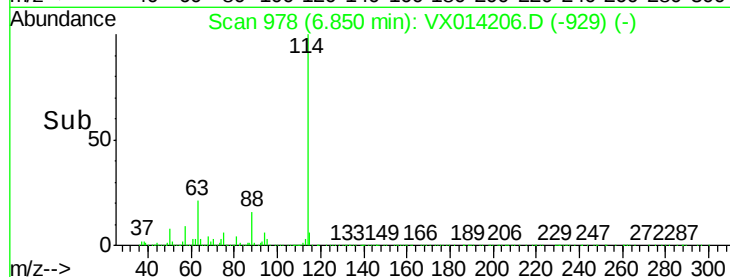
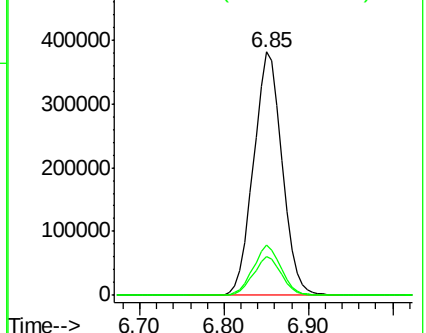
88 15.7 0.0 30.4



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: 49.627 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

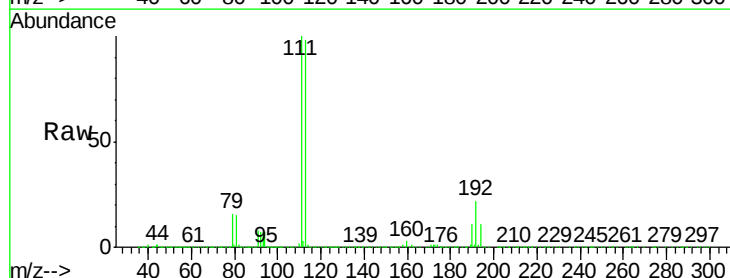
Tgt Ion:113 Resp: 265560

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

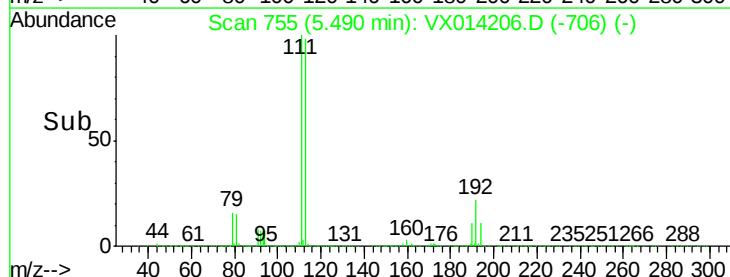
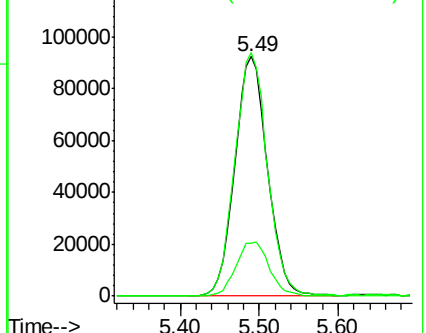
192 23.4 19.3 28.9

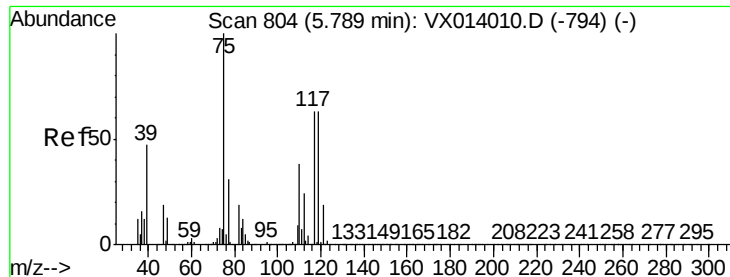


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

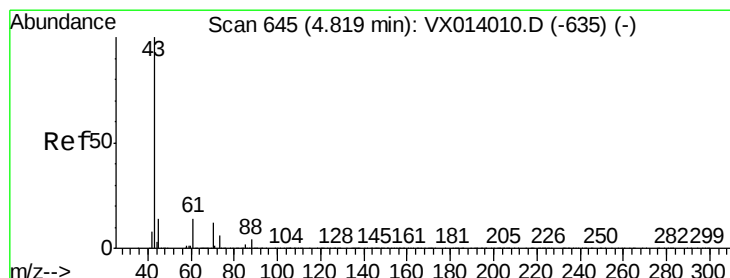
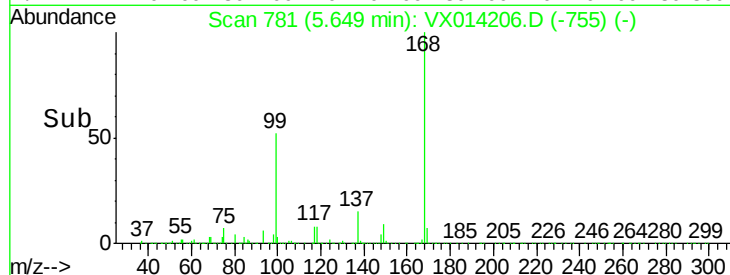
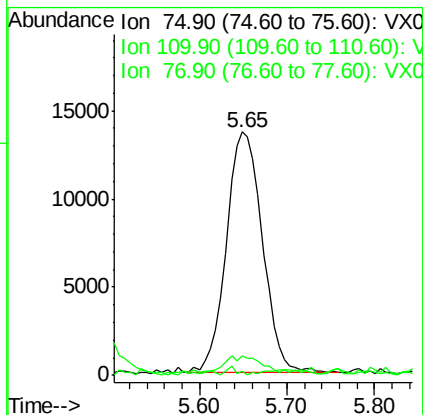
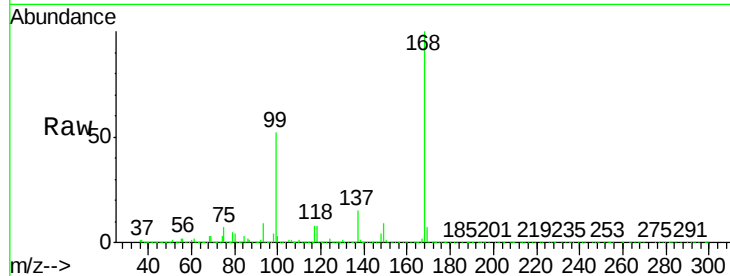
Instrument :

MSVOA_X

ClientSampleId :

TB-12-20-19

Tgt Ion:	75	Resp:	39127
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	1.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 1.863 ug/l

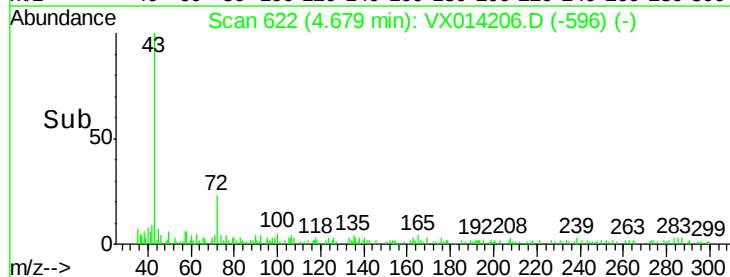
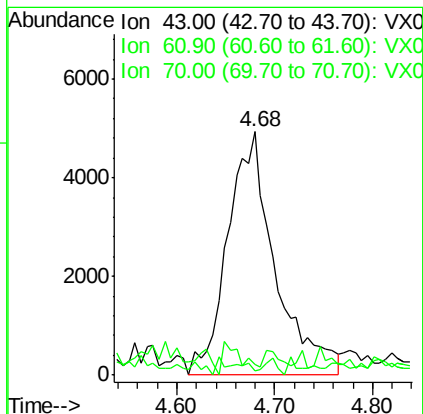
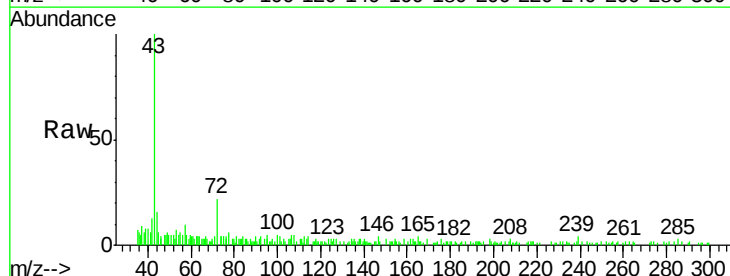
RT: 4.68 min Scan# 622

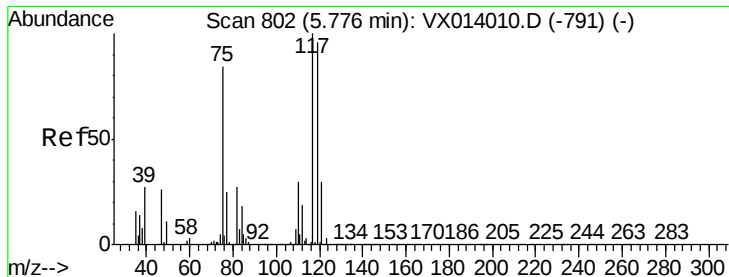
Delta R.T. -0.14 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Tgt Ion:	43	Resp:	16614
Ion	Ratio	Lower	Upper
43	100		
61	2.0	10.8	16.2#
70	1.8	8.6	12.8#





#38

Carbon Tetrachloride

Concen: 6.860 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Instrument :

MSVOA_X

ClientSampled :

TB-12-20-19

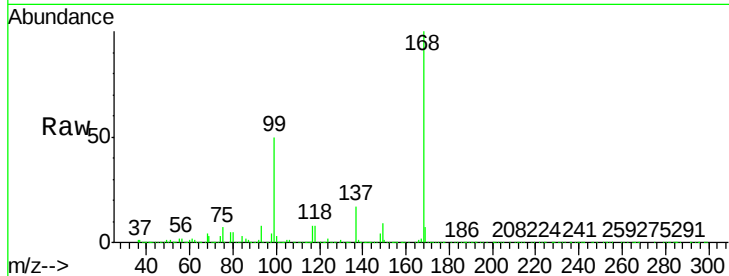
Tgt Ion:117 Resp: 50473

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.4#

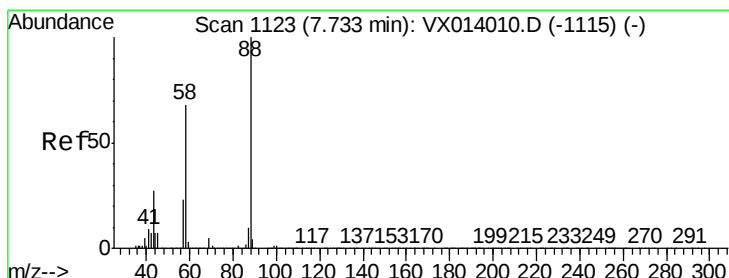
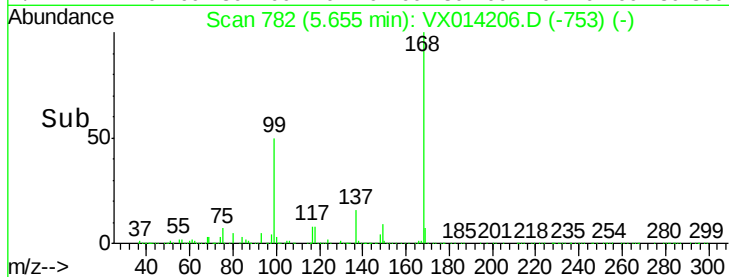
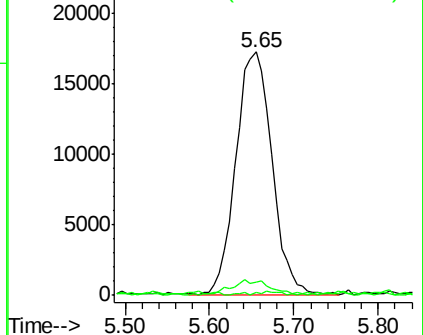
121 0.6 23.6 35.4#



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: 2.529 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

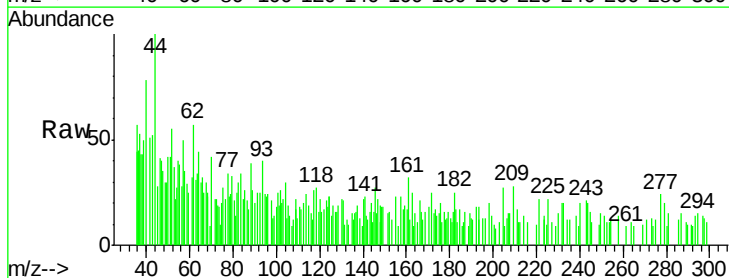
Tgt Ion: 88 Resp: 372

Ion Ratio Lower Upper

88 100

43 330.4 26.5 39.7#

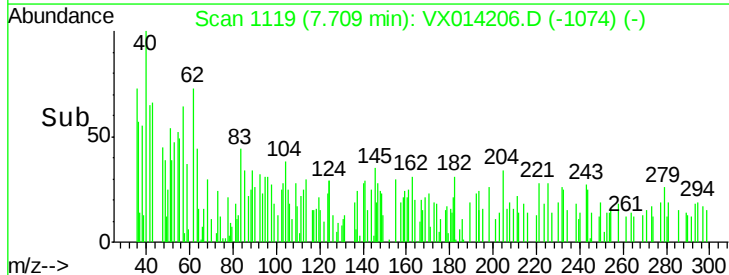
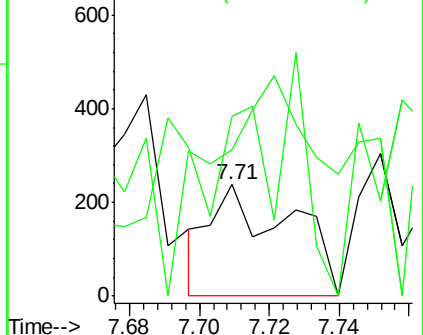
58 155.1 56.8 85.2#

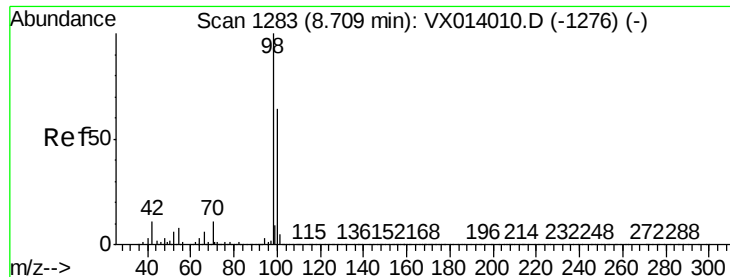


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.398 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

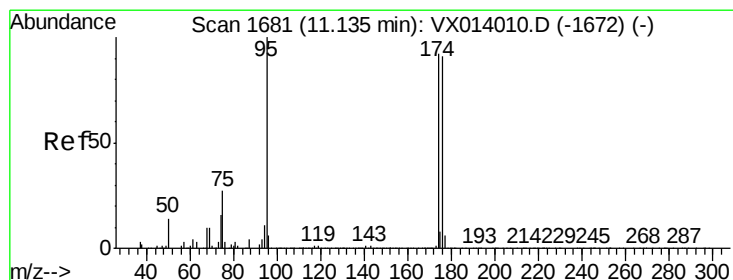
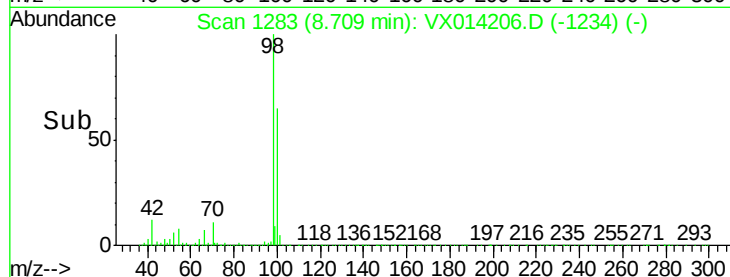
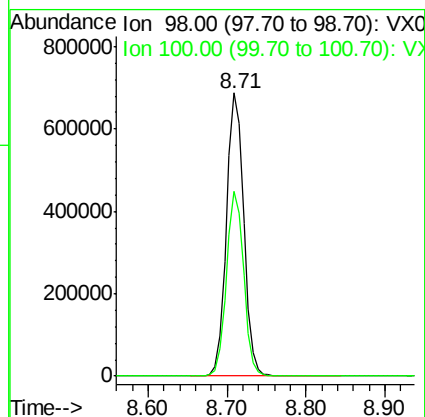
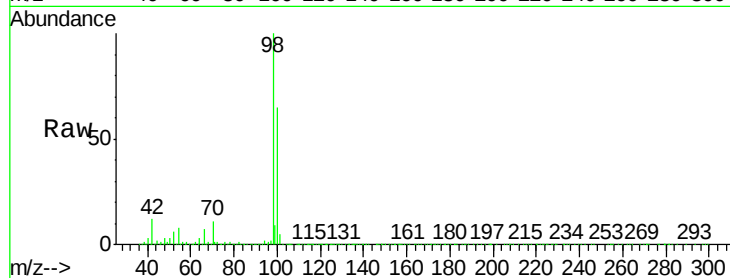
TB-12-20-19

Tgt Ion: 98 Resp: 1049959

Ion Ratio Lower Upper

98 100

100 64.9 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.848 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

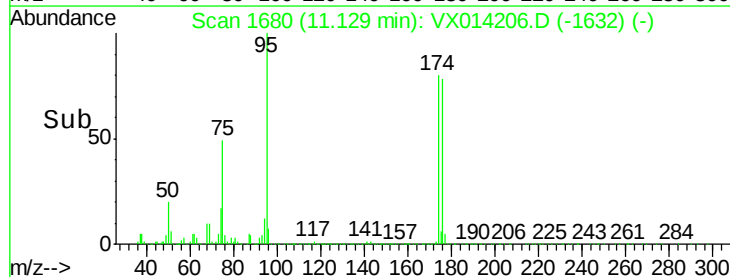
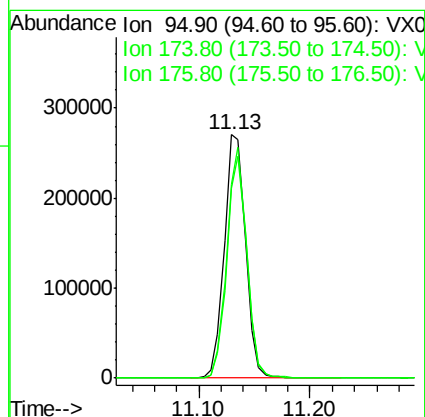
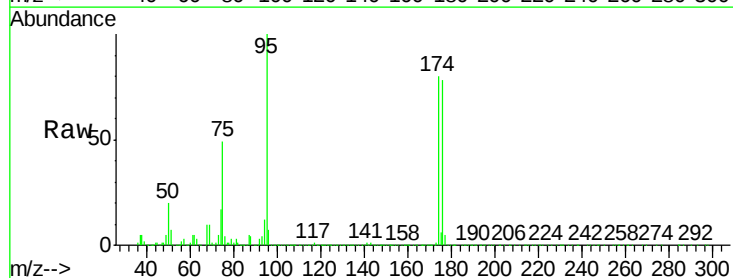
Tgt Ion: 95 Resp: 356771

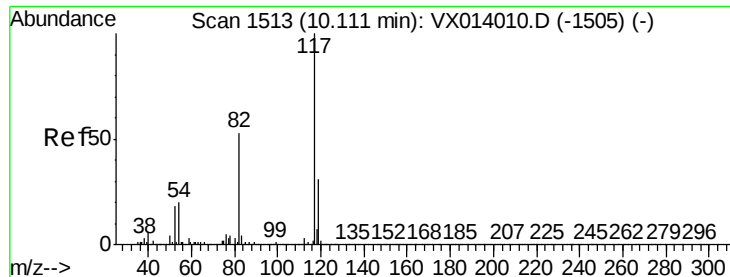
Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.8

176 86.1 0.0 173.0

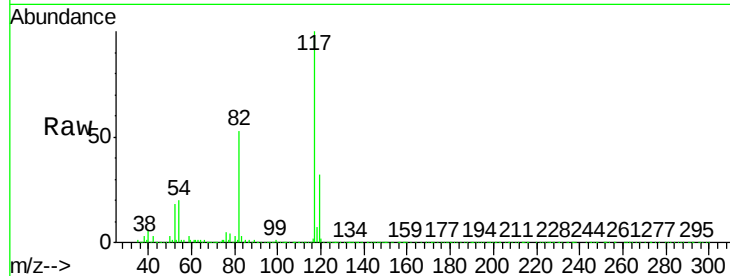




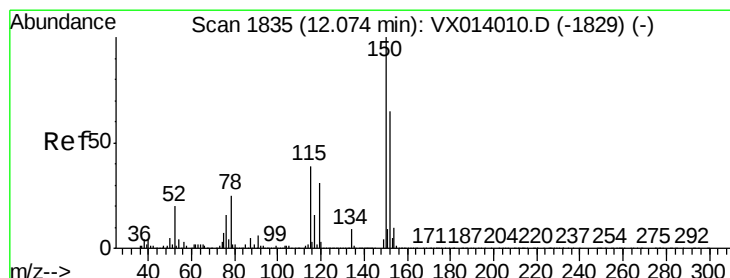
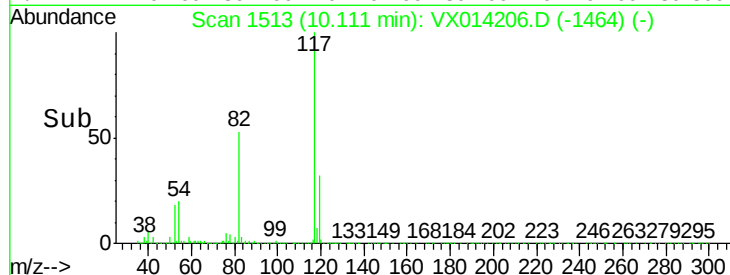
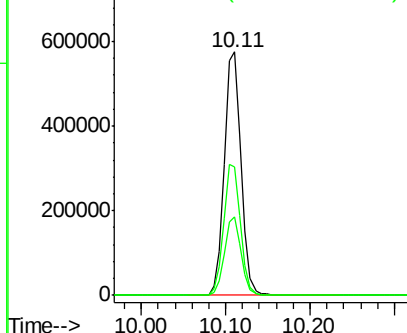
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
TB-12-20-19

Tgt Ion:117 Resp: 792442
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.4 25.1 37.7

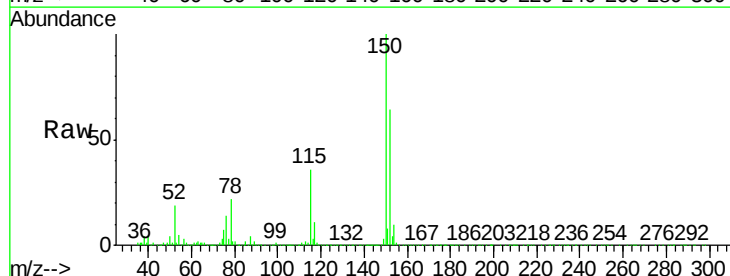


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

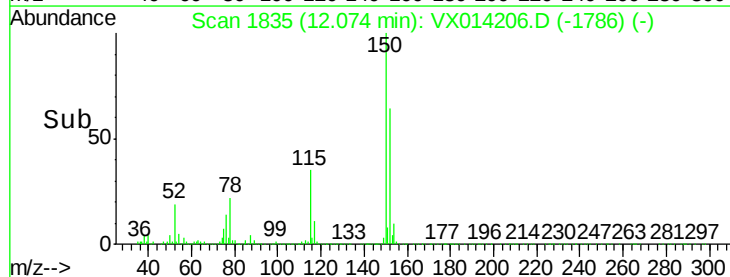
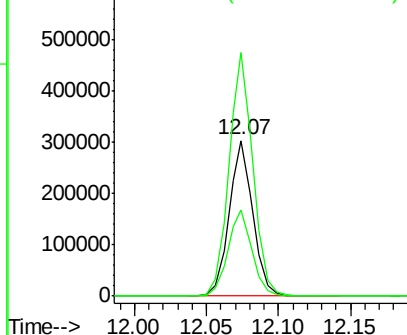


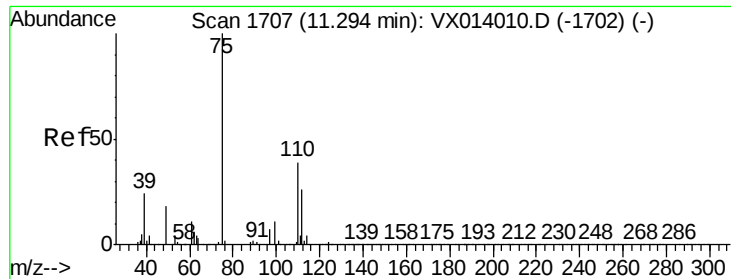
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014206.D
Acq: 23 Dec 2019 16:46

Tgt Ion:152 Resp: 350072
Ion Ratio Lower Upper
152 100
115 56.0 38.3 114.9
150 158.0 0.0 345.4



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: 22.555 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

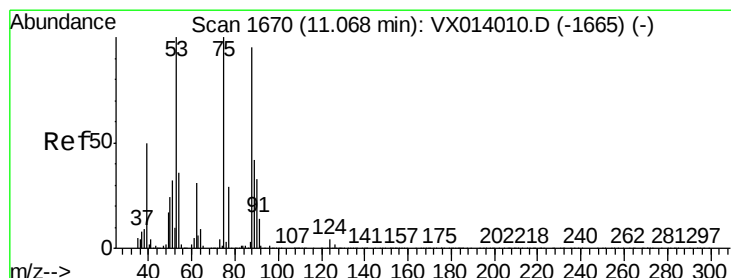
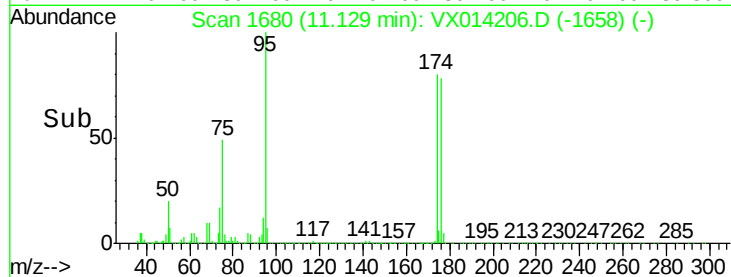
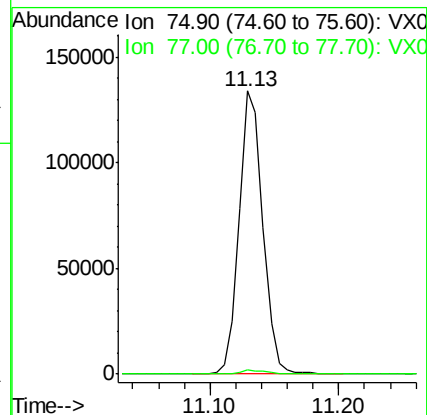
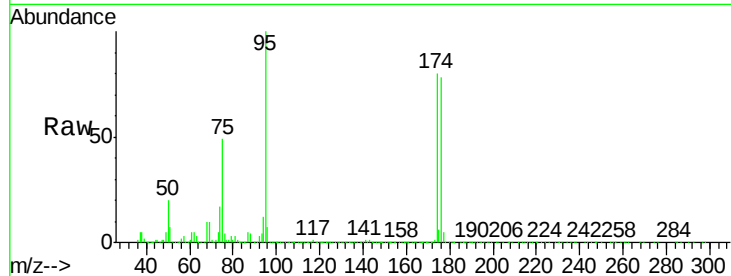
TB-12-20-19

Tgt Ion: 75 Resp: 171416

Ion Ratio Lower Upper

75 100

77 1.7 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.661 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014206.D

Acq: 23 Dec 2019 16:46

Tgt Ion: 75 Resp: 171416

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 34.6 51.8#

