

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012780.D
 Acq On : 03 Oct 2019 13:53
 Operator : JC/SP
 Sample : K5154-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-10012019

Quant Time: Oct 04 06:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

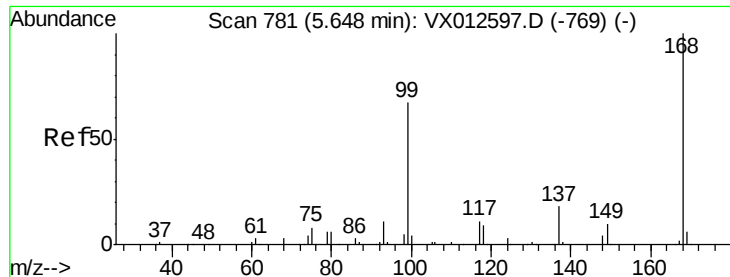
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101592	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	124085	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	5.49	113	94152	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	8.71	98	365683	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.14	95	124210	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	363	0.397	ug/l	81
6) Chloroethane	1.67	64	532	0.339	ug/l #	45
10) Methyl Iodide	2.50	142	274	5.071	ug/l #	35
11) Tert butyl alcohol	3.01	59	7554	11.462	ug/l #	77
13) Acrolein	2.23	56	75	10.429	ug/l #	15
14) Allyl chloride	2.59	41	6201	1.605	ug/l #	66
16) Acetone	2.43	43	7594	5.434	ug/l	99
18) Methyl Acetate	2.59	43	16683	5.070	ug/l #	54
20) Methylene Chloride	2.85	84	2031	0.859	ug/l #	83
25) 2-Butanone	4.67	43	940	0.469	ug/l #	51
29) Tetrahydrofuran	5.14	42	955	0.782	ug/l	93
31) Cyclohexane	5.65	56	3780	1.029	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15282	5.107	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19185	6.312	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	62509	23.260	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62509	66.659	ug/l #	8

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
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Operator  : JC/SP
Sample    : K5154-02
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 6      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

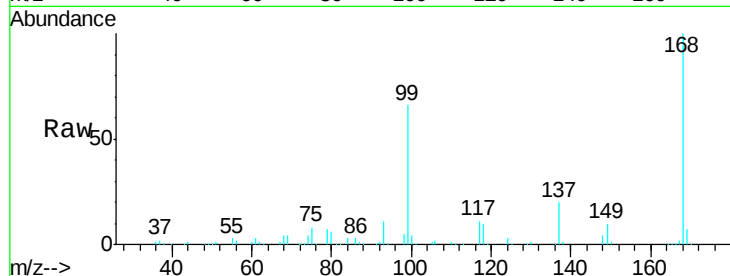
FB-10012019

Tgt Ion:168 Resp: 181174

Ion Ratio Lower Upper

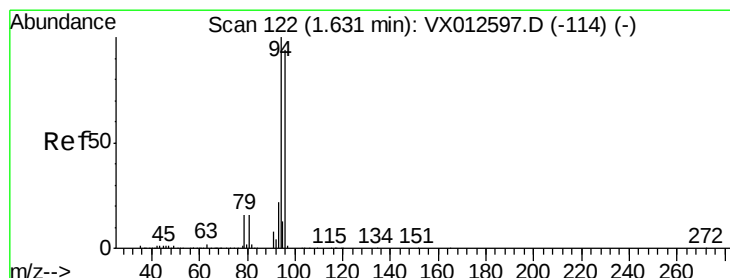
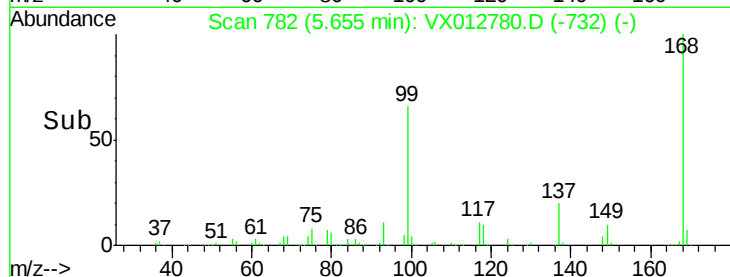
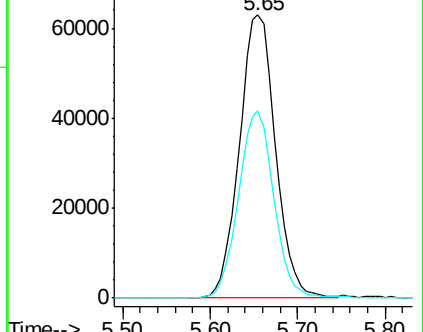
168 100

99 66.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.397 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012780.D

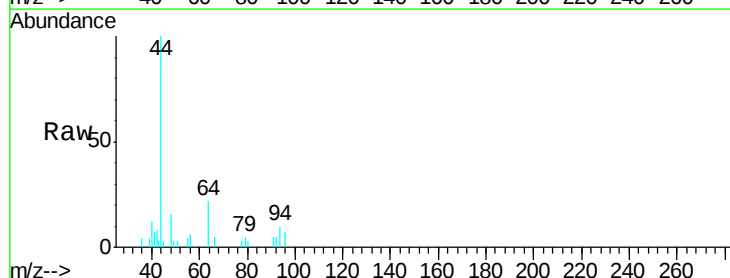
Acq: 03 Oct 2019 13:53

Tgt Ion: 94 Resp: 363

Ion Ratio Lower Upper

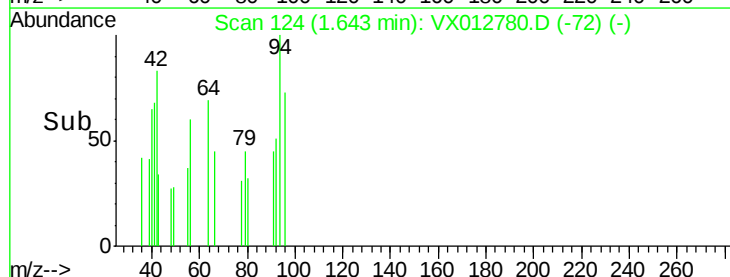
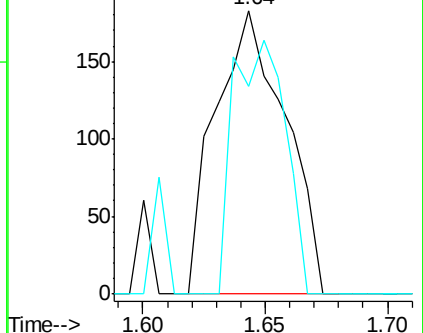
94 100

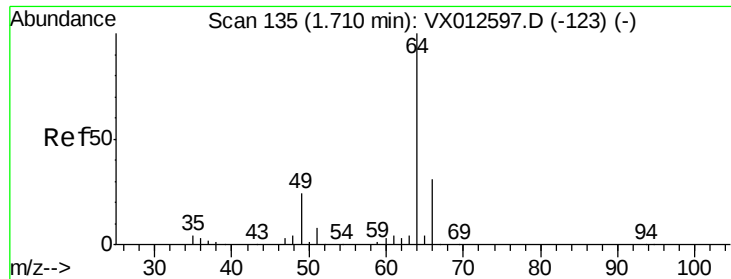
96 73.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.339 ug/l

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

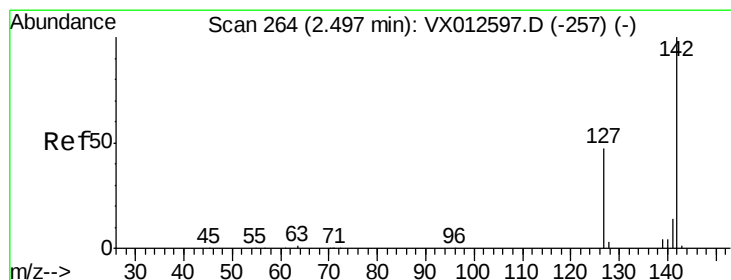
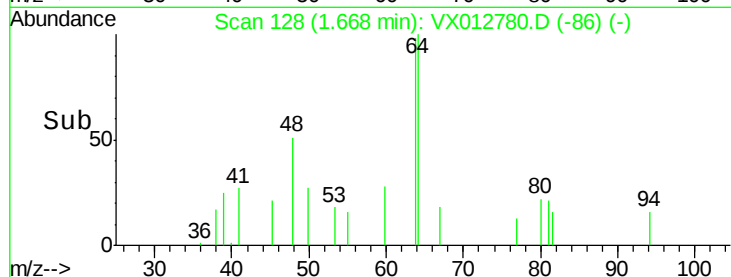
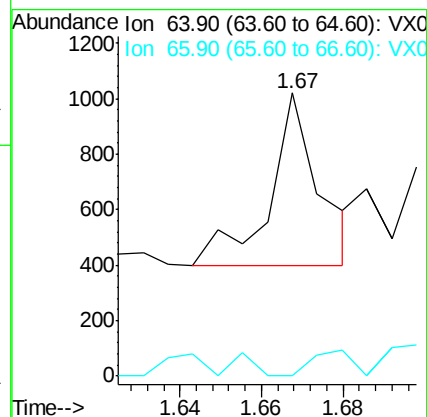
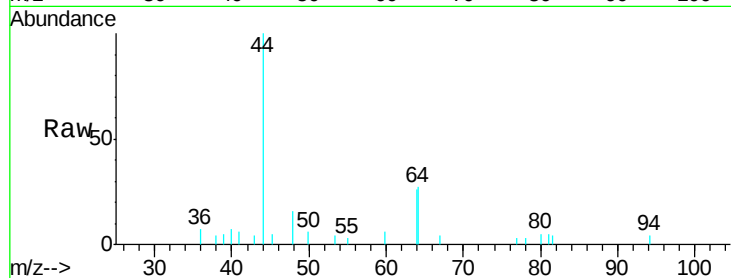
FB-10012019

Tgt Ion: 64 Resp: 532

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 5.071 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

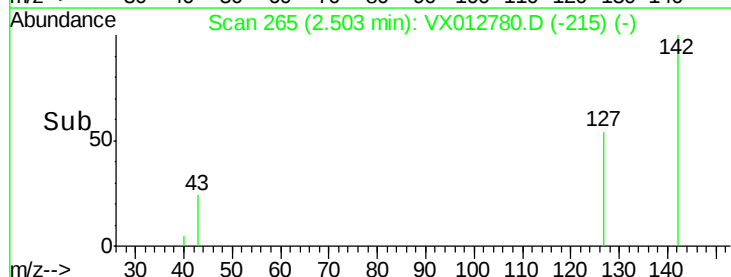
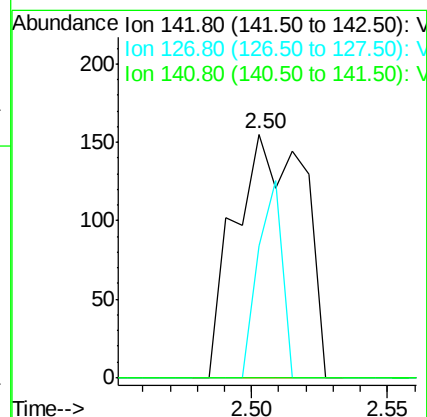
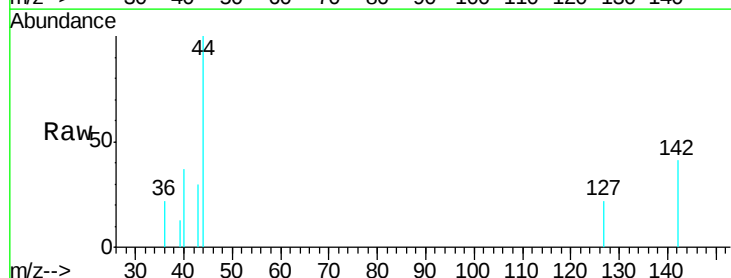
Tgt Ion: 142 Resp: 274

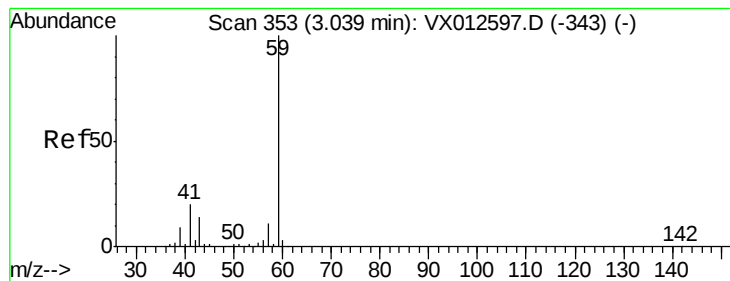
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



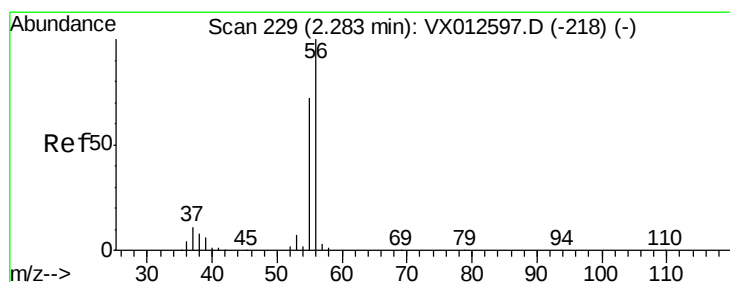
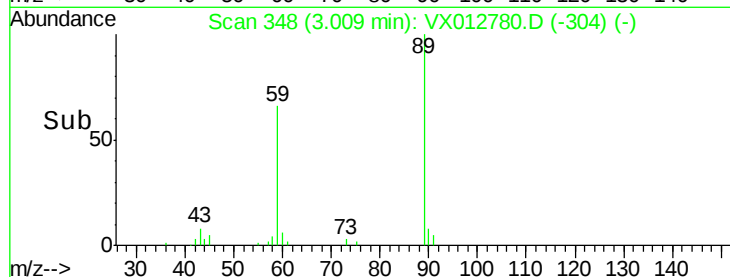
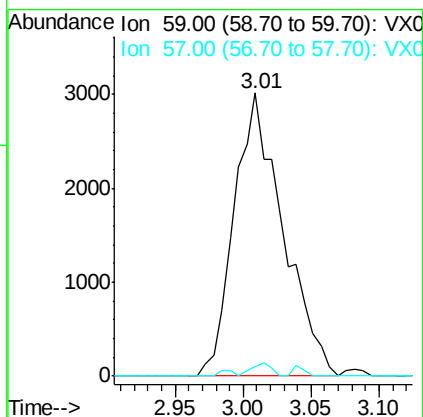
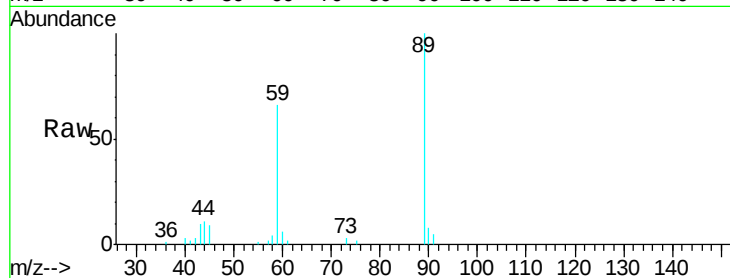


#11

Tert butyl alcohol
 Concen: 11.462 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012780.D
 Acq: 03 Oct 2019 13:53

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-10012019

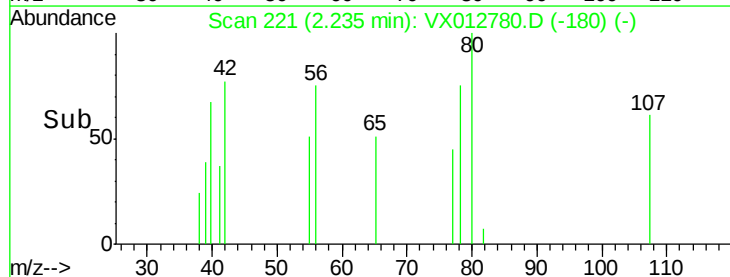
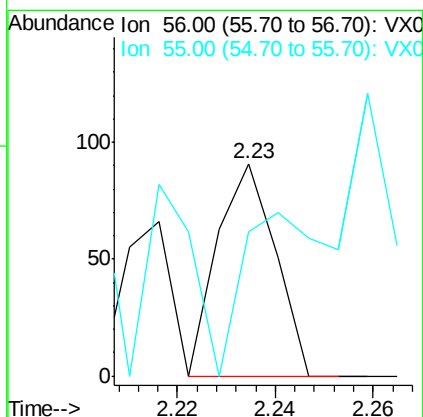
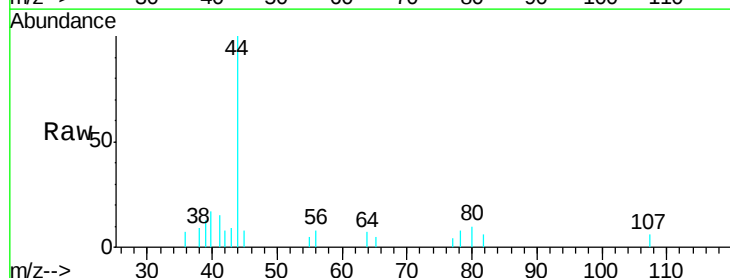
Tgt Ion: 59 Resp: 7554
 Ion Ratio Lower Upper
 59 100
 57 1.9 8.3 12.5#

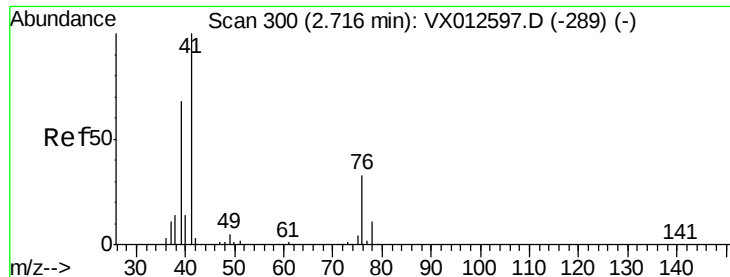


#13

Acrolein
 Concen: 10.429 ug/l
 RT: 2.23 min Scan# 221
 Delta R.T. -0.05 min
 Lab File: VX012780.D
 Acq: 03 Oct 2019 13:53

Tgt Ion: 56 Resp: 75
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

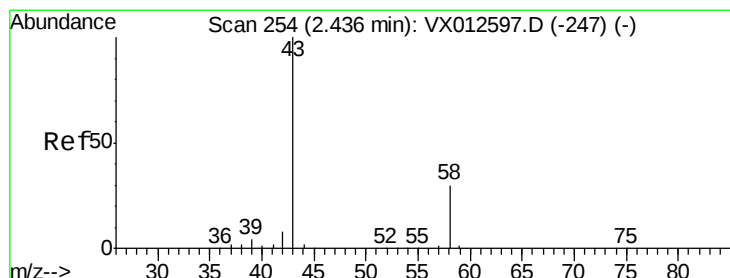
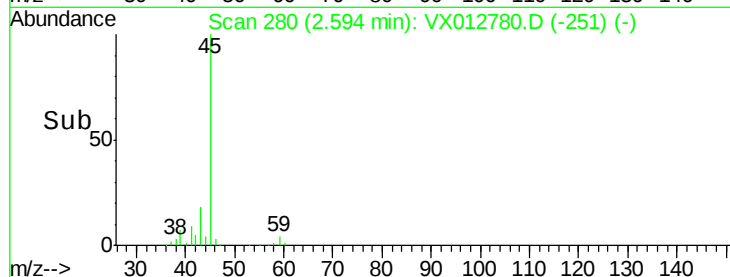
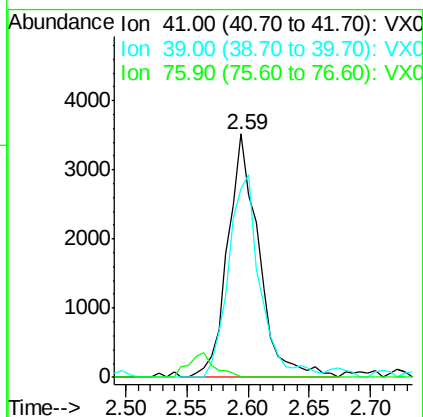
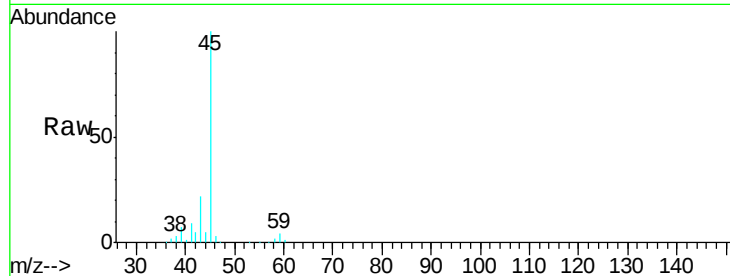




#14
 Allyl chloride
 Concen: 1.605 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012780.D
 Acq: 03 Oct 2019 13:53

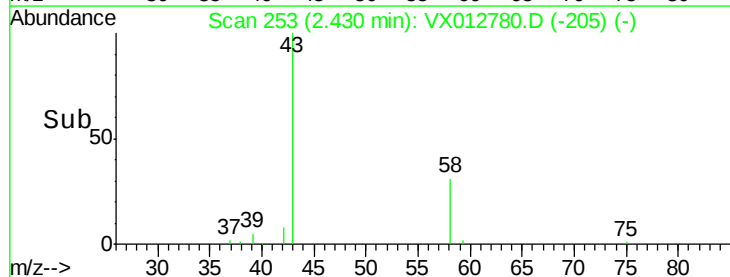
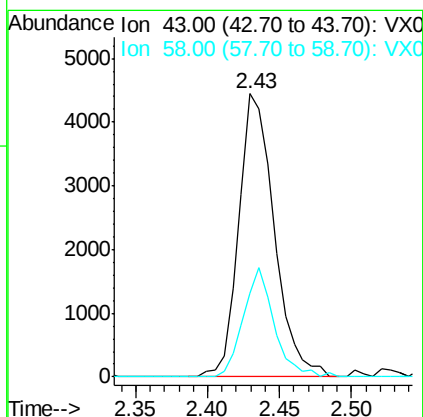
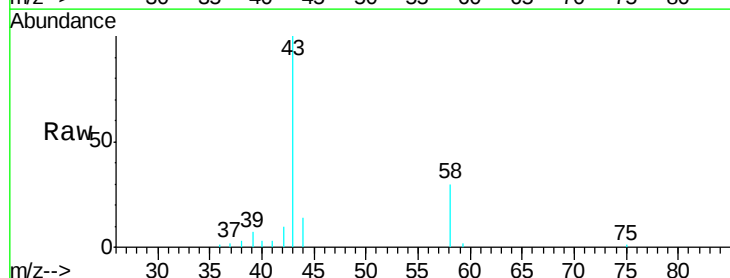
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-10012019

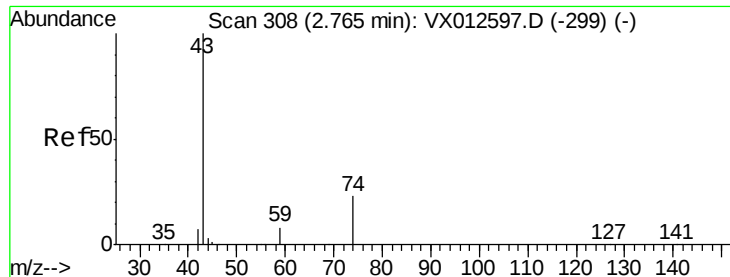
Tgt Ion: 41 Resp: 6201
 Ion Ratio Lower Upper
 41 100
 39 84.1 51.3 76.9#
 76 0.0 22.6 33.8#



#16
 Acetone
 Concen: 5.434 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012780.D
 Acq: 03 Oct 2019 13:53

Tgt Ion: 43 Resp: 7594
 Ion Ratio Lower Upper
 43 100
 58 29.8 23.3 34.9

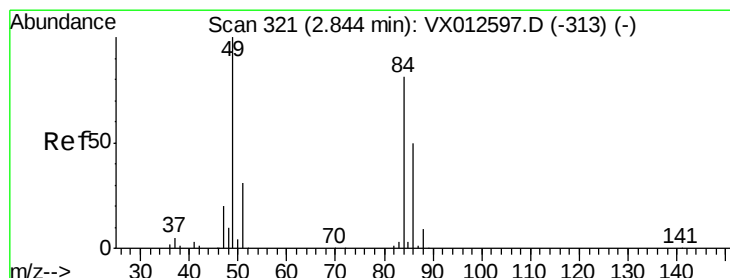
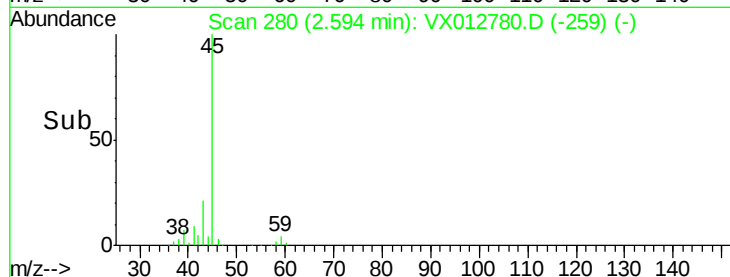
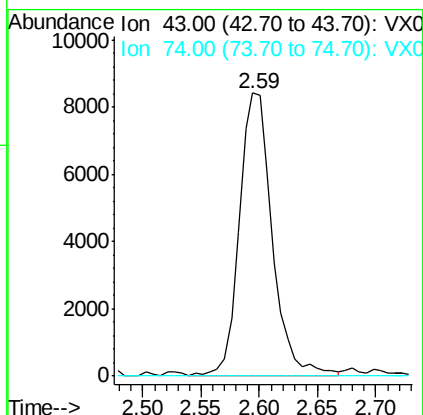
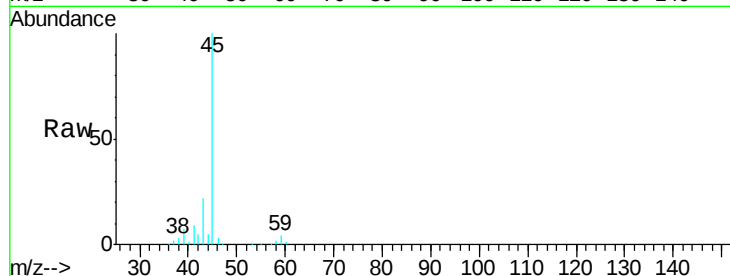




#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

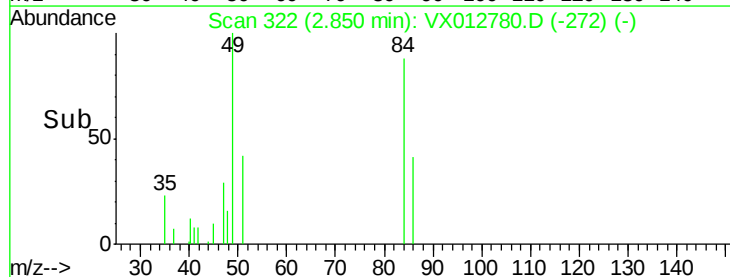
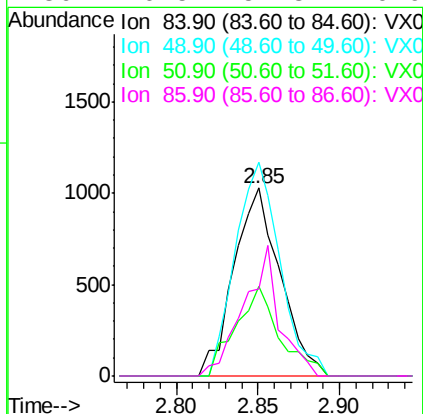
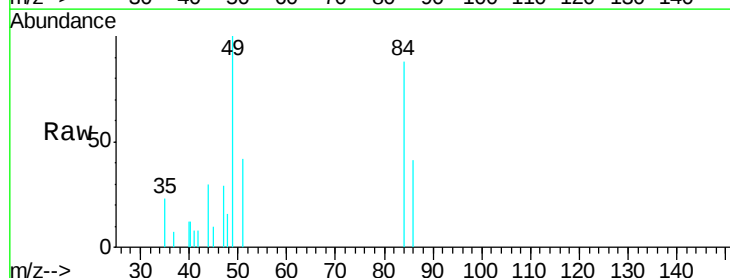
Instrument :
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ClientSampleId :
FB-10012019

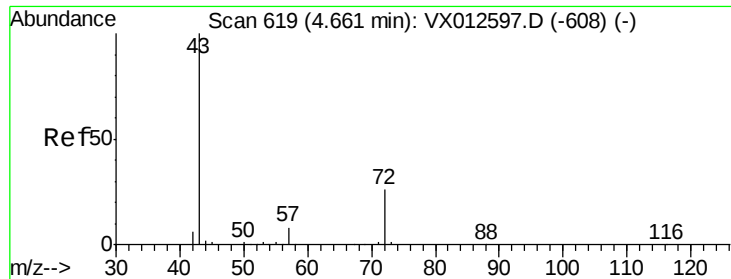
Tgt Ion: 43 Resp: 16683
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.859 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

Tgt Ion: 84 Resp: 2031
Ion Ratio Lower Upper
84 100
49 113.6 106.8 160.2
51 47.5 32.3 48.5
86 46.5 51.3 76.9#





#25

2-Butanone

Concen: 0.469 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

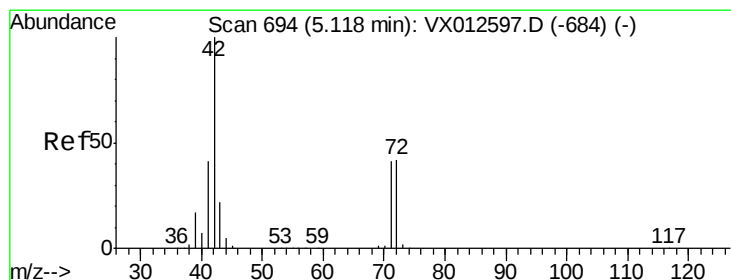
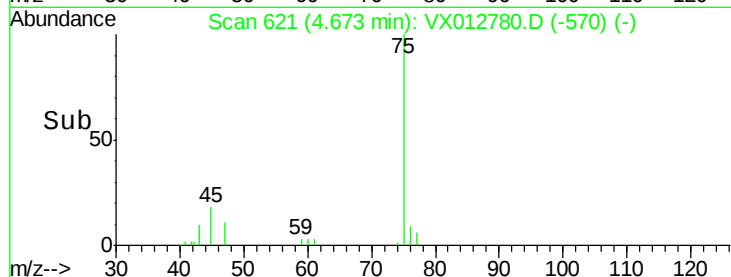
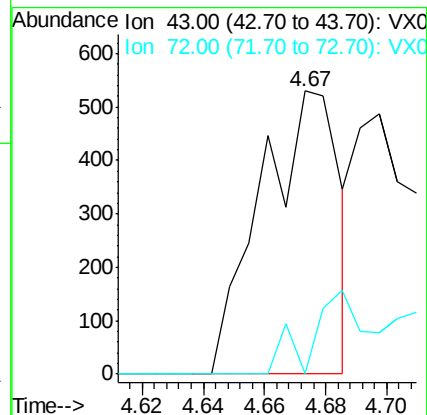
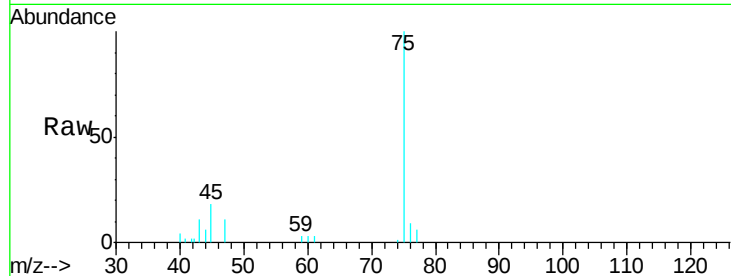
FB-10012019

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.782 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

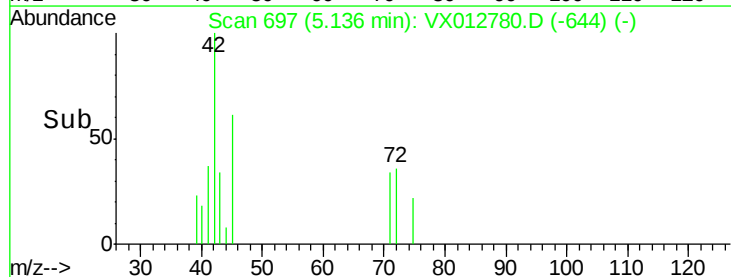
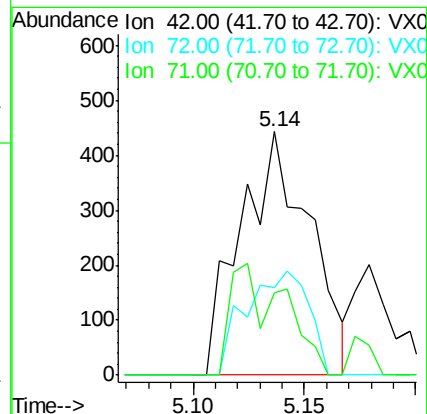
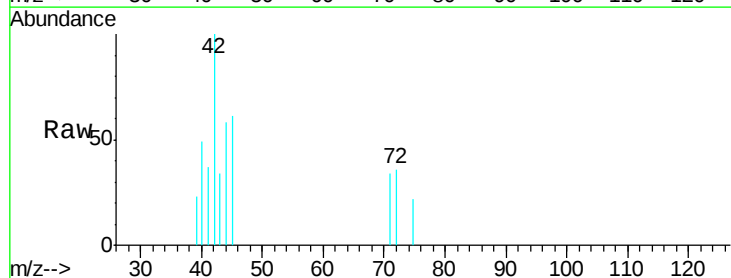
Tgt Ion: 42 Resp: 955

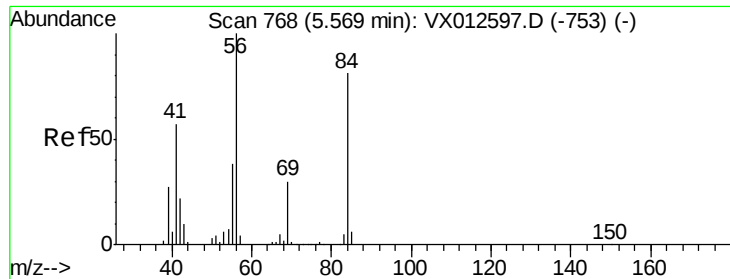
Ion Ratio Lower Upper

42 100

72 38.5 34.0 51.0

71 34.8 31.5 47.3

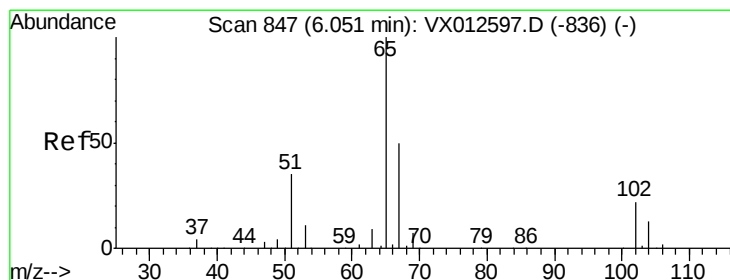
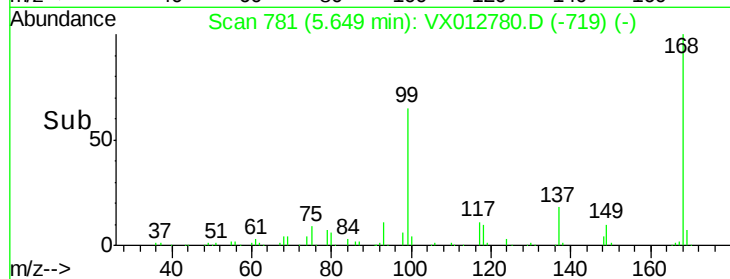
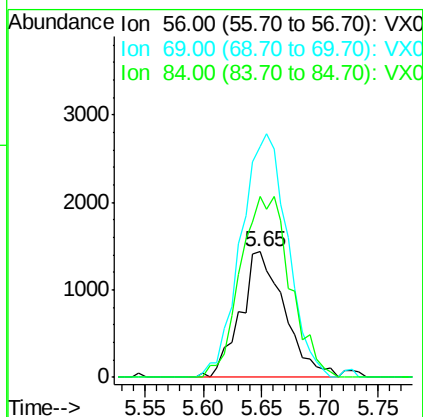
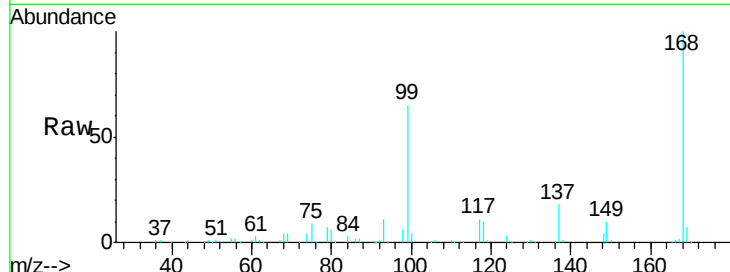




#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

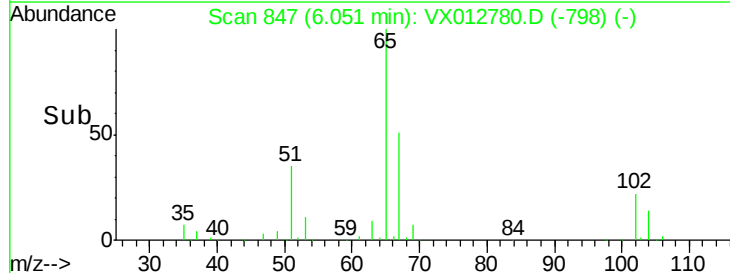
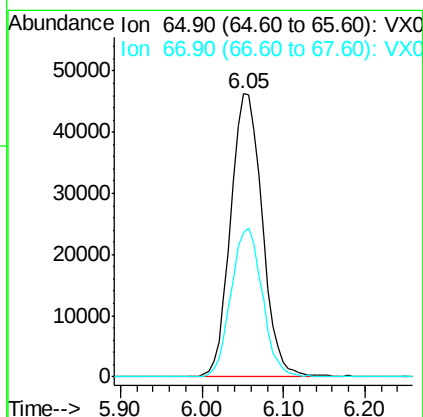
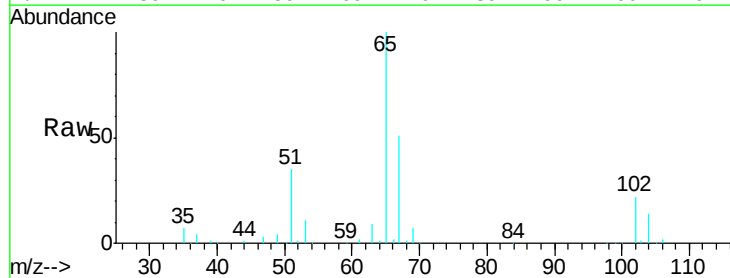
Instrument :
MSVOA_X
ClientSampleId :
FB-10012019

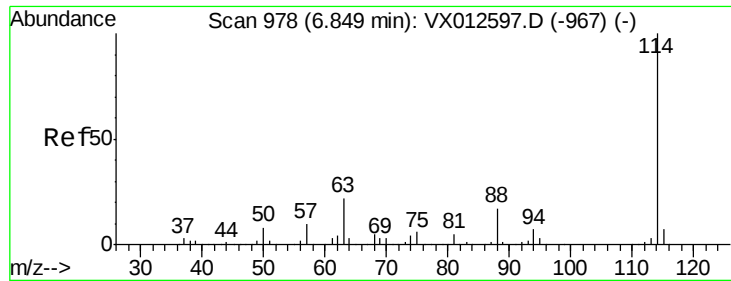
Tgt Ion: 56 Resp: 3780
Ion Ratio Lower Upper
56 100
69 183.9 25.0 37.6#
84 143.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.033 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

Tgt Ion: 65 Resp: 124085
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.2

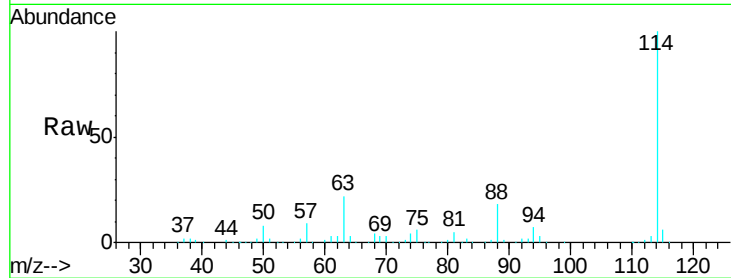




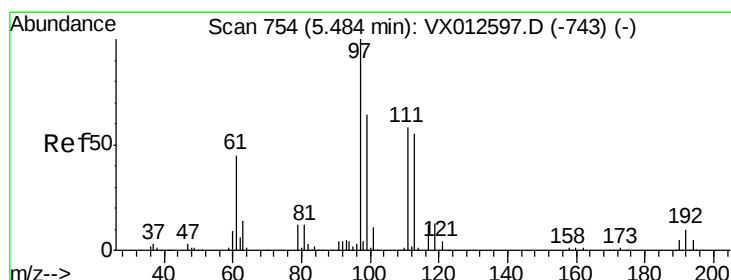
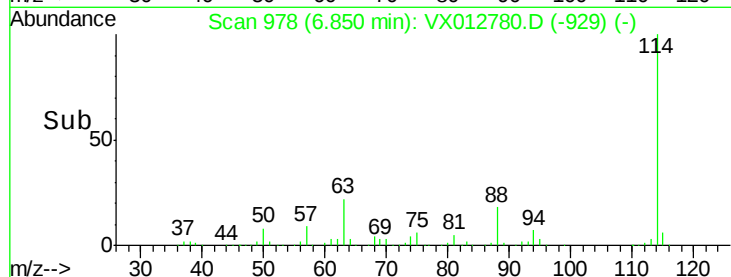
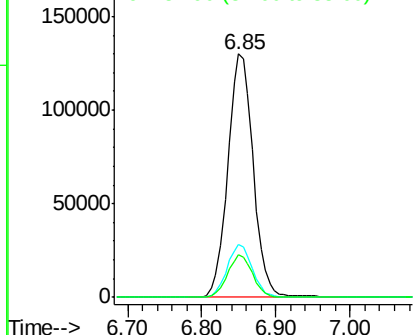
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012780.D
 Acq: 03 Oct 2019 13:53

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-10012019

Tgt Ion:114 Resp: 310436
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 17.5 0.0 33.2

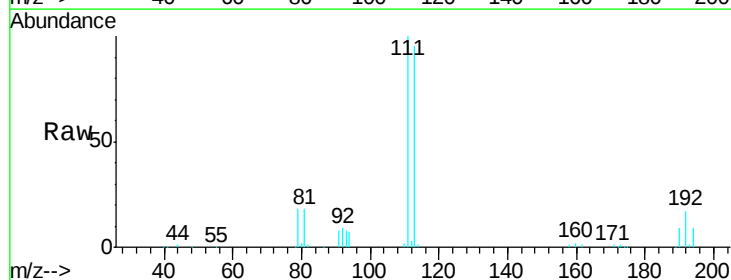


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

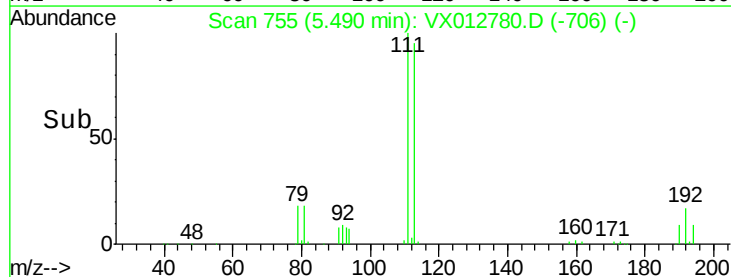
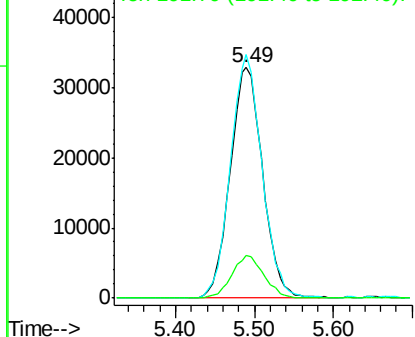


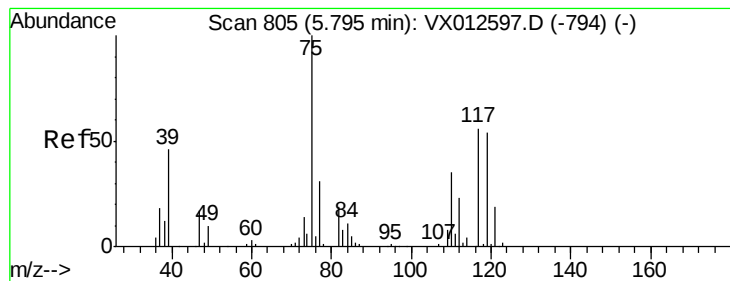
#35
 Dibromofluoromethane
 Concen: 50.927 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012780.D
 Acq: 03 Oct 2019 13:53

Tgt Ion:113 Resp: 94152
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.4 125.2
 192 18.2 14.4 21.6



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: 5.107 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

FB-10012019

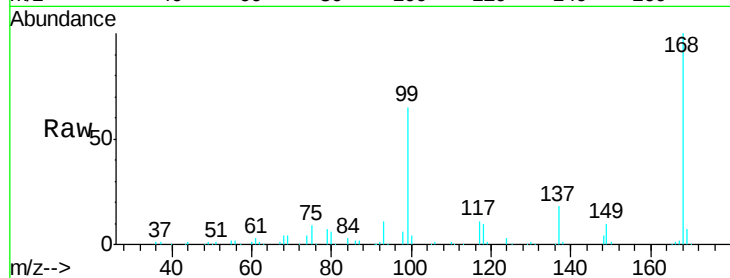
Tgt Ion: 75 Resp: 15282

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.0#

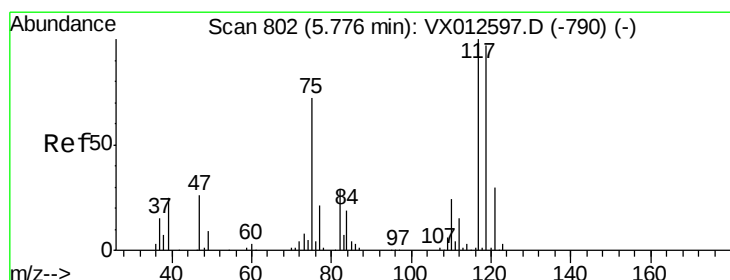
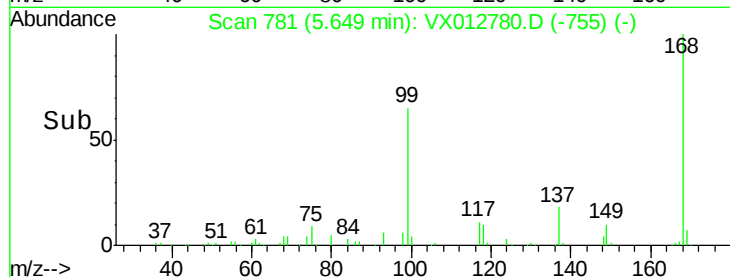
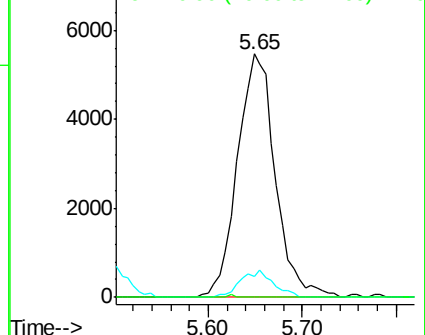
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX012780.D (-755) (-)

Ion 109.90 (109.60 to 110.60): VX012780.D (-755) (-)

Ion 76.90 (76.60 to 77.60): VX012780.D (-755) (-)



#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

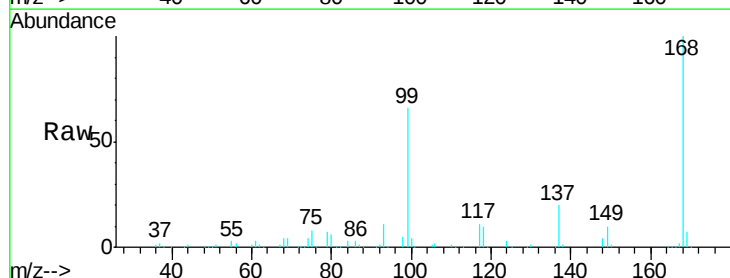
Tgt Ion: 117 Resp: 19185

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

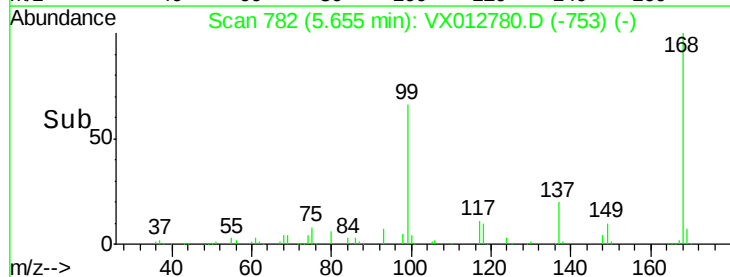
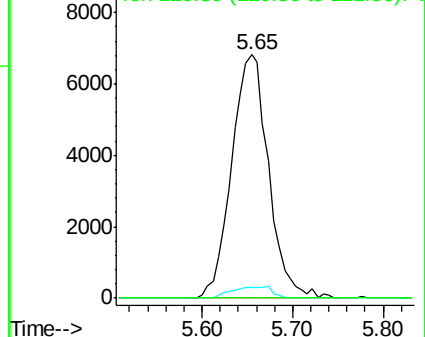
121 0.0 24.2 36.4#

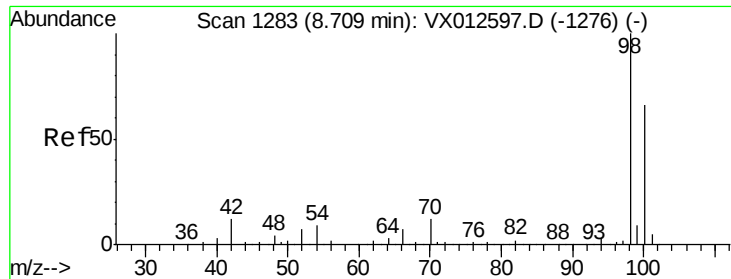


Abundance Ion 116.80 (116.50 to 117.50): VX012780.D (-753) (-)

Ion 118.80 (118.50 to 119.50): VX012780.D (-753) (-)

Ion 120.80 (120.50 to 121.50): VX012780.D (-753) (-)

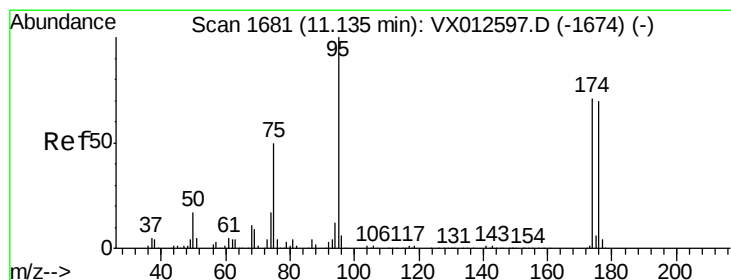
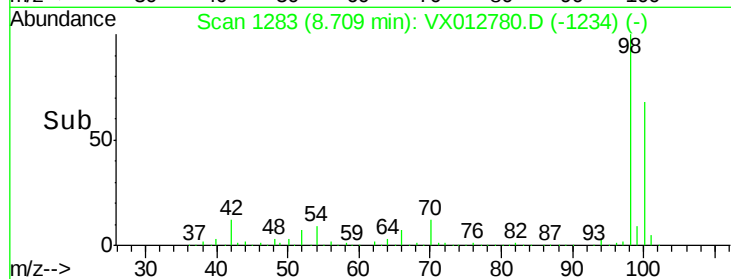
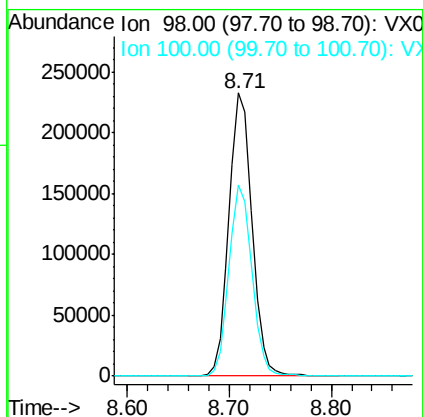
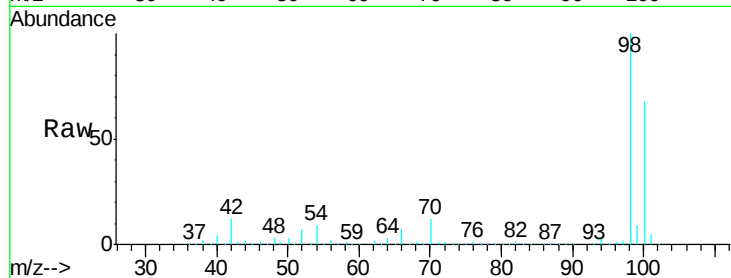




#50
Toluene-d8
Concen: 51.362 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

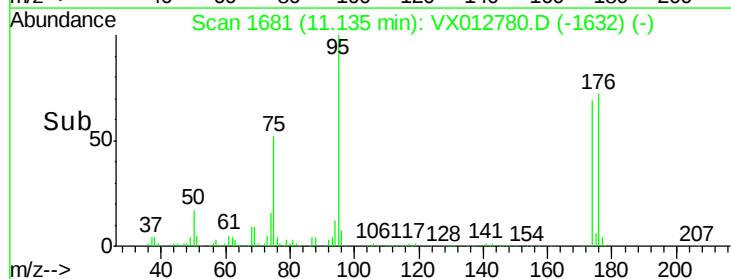
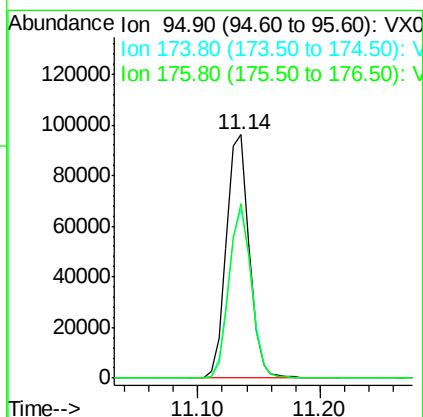
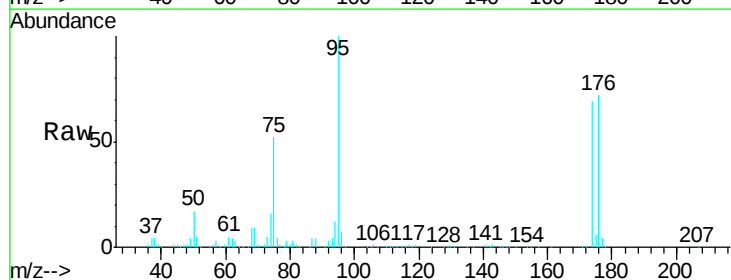
Instrument :
MSVOA_X
ClientSampleId :
FB-10012019

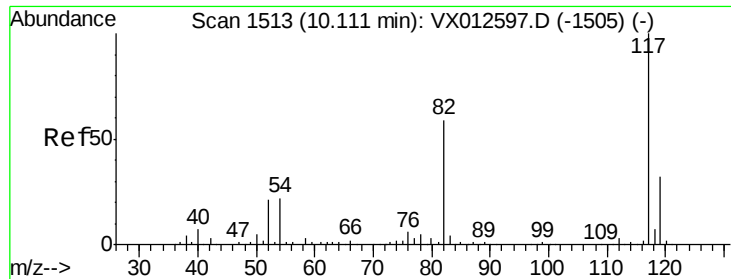
Tgt Ion: 98 Resp: 365683
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.368 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

Tgt Ion: 95 Resp: 124210
Ion Ratio Lower Upper
95 100
174 69.9 0.0 140.0
176 68.7 0.0 135.4

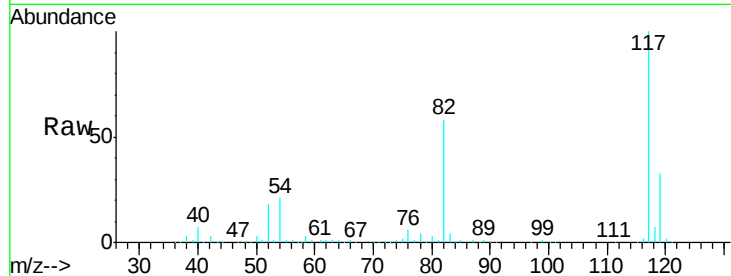




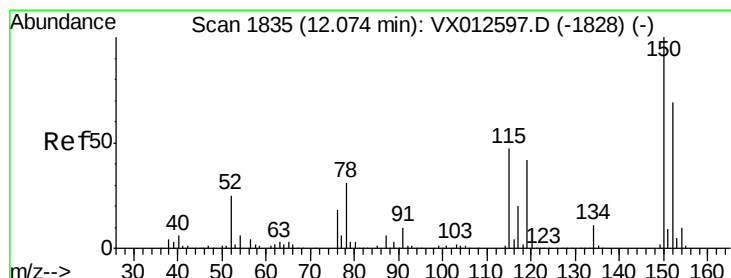
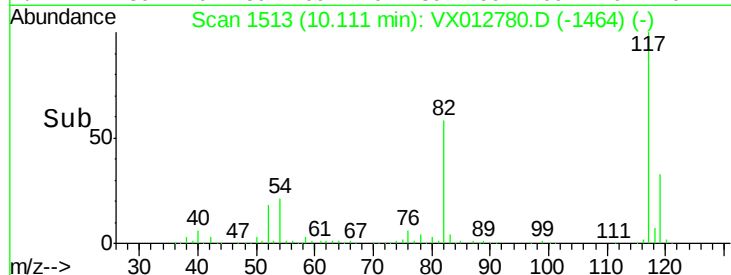
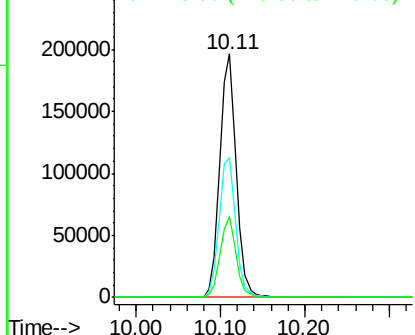
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

Instrument :
MSVOA_X
ClientSampled :
FB-10012019

Tgt Ion:117 Resp: 266050
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 33.2 25.3 37.9

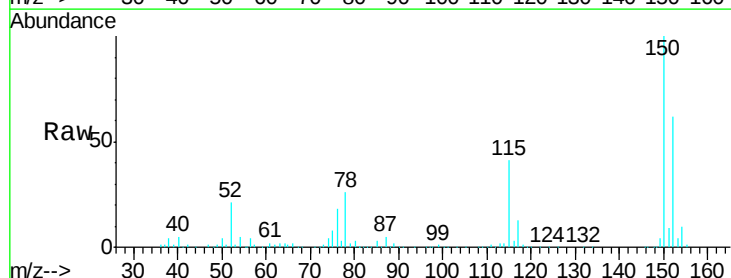


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

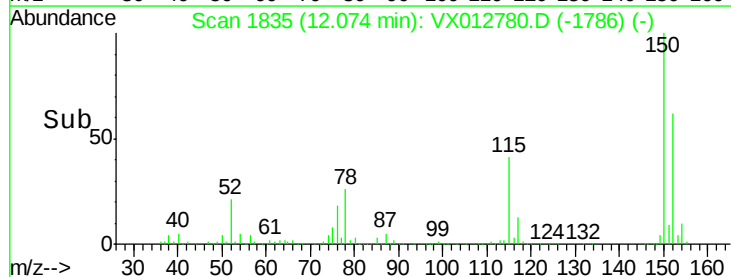
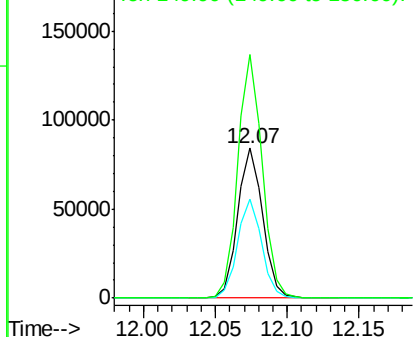


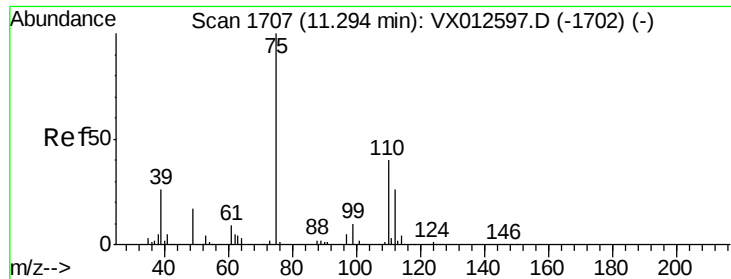
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012780.D
Acq: 03 Oct 2019 13:53

Tgt Ion:152 Resp: 101592
Ion Ratio Lower Upper
152 100
115 64.4 44.1 132.3
150 158.8 0.0 343.8



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: 23.260 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

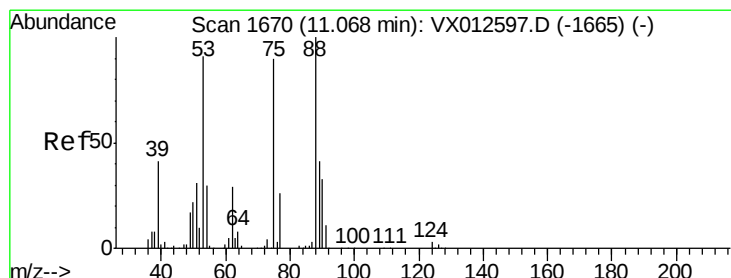
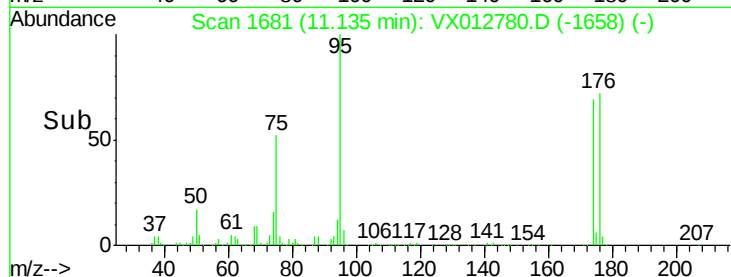
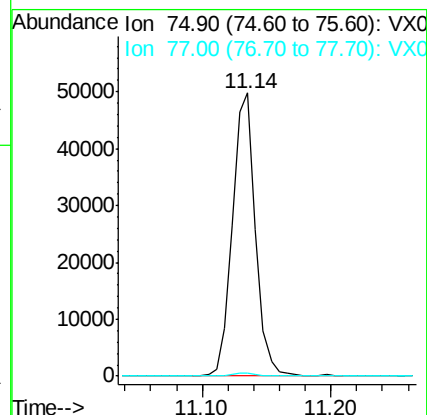
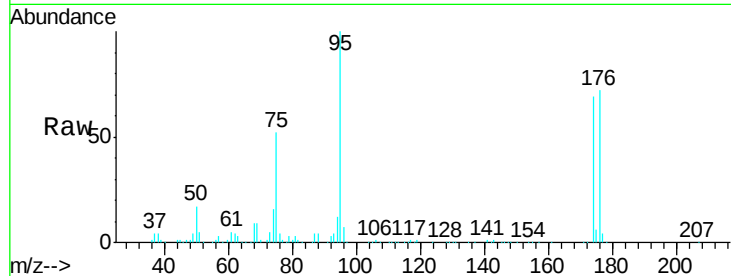
FB-10012019

Tgt Ion: 75 Resp: 62509

Ion Ratio Lower Upper

75 100

77 1.2 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.659 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012780.D

Acq: 03 Oct 2019 13:53

Tgt Ion: 75 Resp: 62509

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

