

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013724.D
 Acq On : 03 Dec 2019 15:01
 Operator : JC/SP
 Sample : K5984-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-TB-2019-2

Quant Time: Dec 04 00:35:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	701242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1069184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	961069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	455092	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	386799	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.49	113	315995	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	8.71	98	1259049	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	434803	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

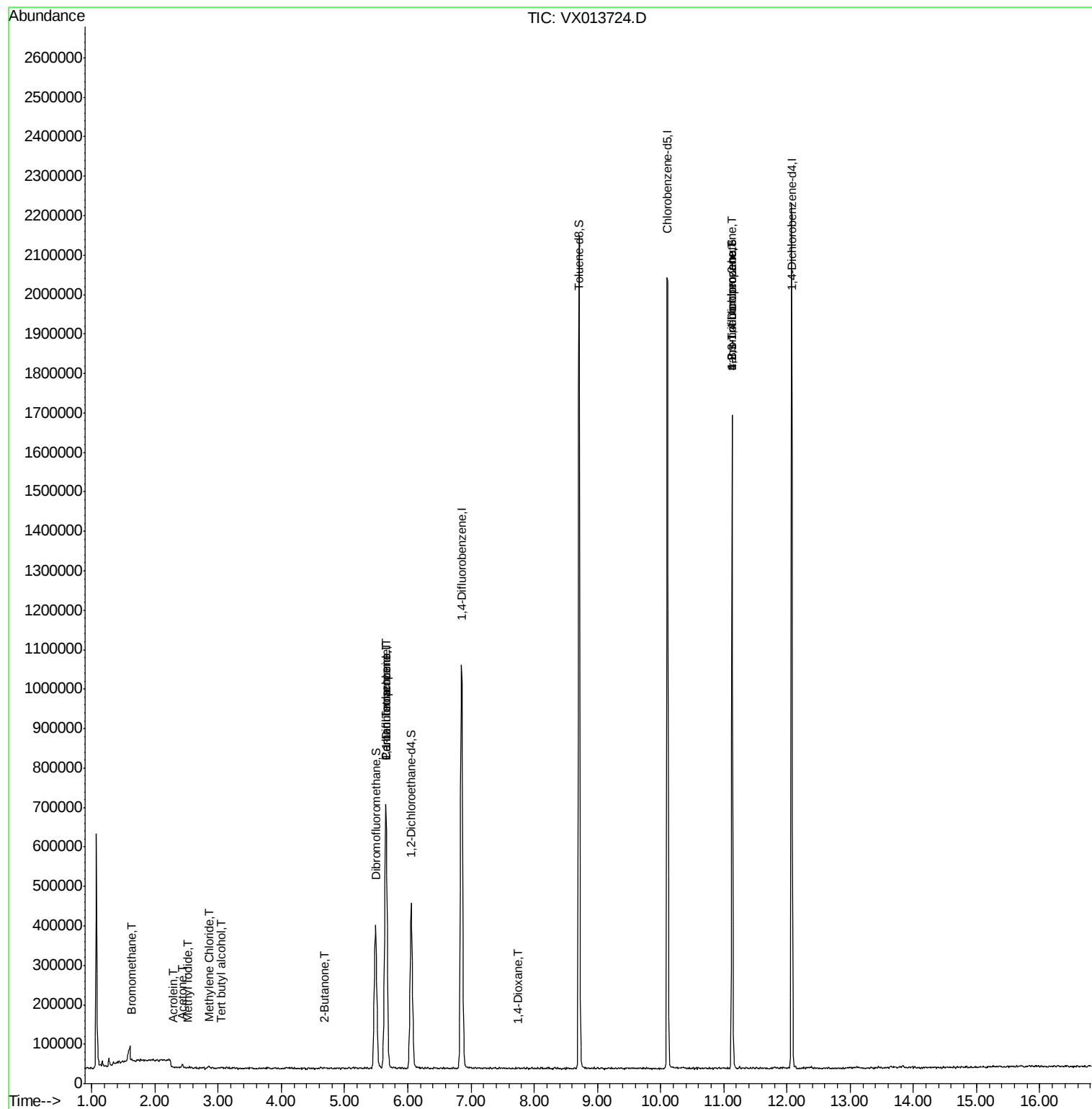
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1494	0.226	ug/l #	78
10) Methyl Iodide	2.52	142	1688	0.209	ug/l #	53
11) Tert butyl alcohol	3.03	59	575	0.286	ug/l #	7
13) Acrolein	2.28	56	285	6.211	ug/l #	15
16) Acetone	2.44	43	10412	2.591	ug/l	93
20) Methylene Chloride	2.85	84	4593	0.595	ug/l #	70
25) 2-Butanone	4.67	43	2496	0.418	ug/l #	58
36) 1,1-Dichloropropene	5.65	75	46549	4.796	ug/l #	52
38) Carbon Tetrachloride	5.65	117	60389	6.748	ug/l #	15
49) 1,4-Dioxane	7.74	88	345	1.770	ug/l #	63
76) 1,2,3-Trichloropropane	11.13	75	213908	20.898	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	213908	57.173	ug/l #	11

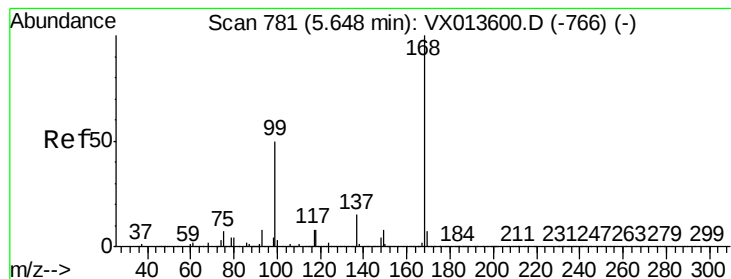
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 00:35:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

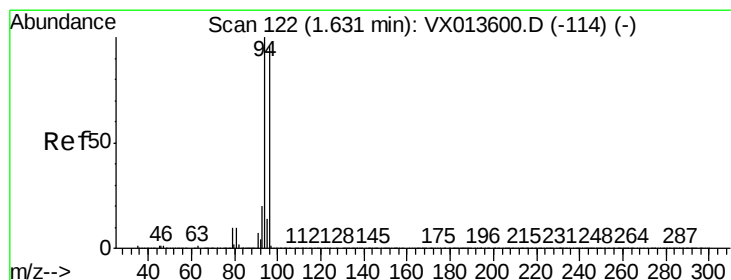
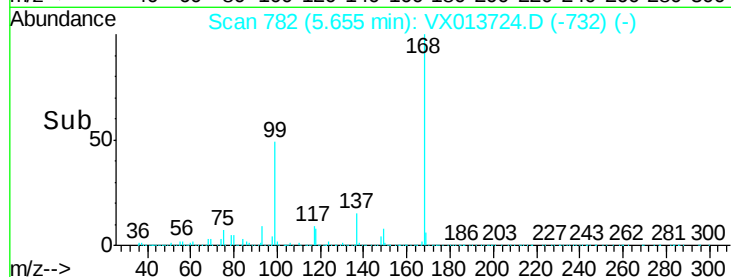
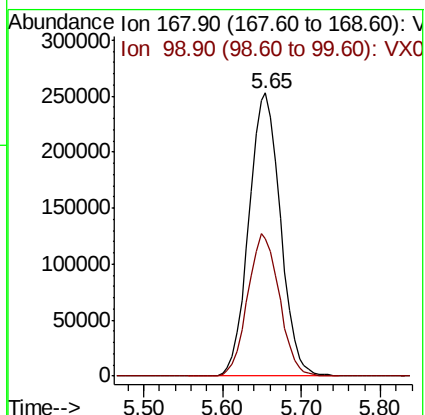
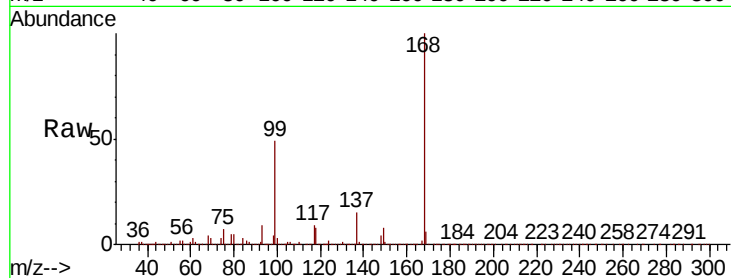
S39-TB-2019-2

Tot Ion:168 Resp: 701242

Ion Ratio Lower Upper

168 100

99 48.7 39.8 59.8



#5

Bromomethane

Concen: 0.226 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013724.D

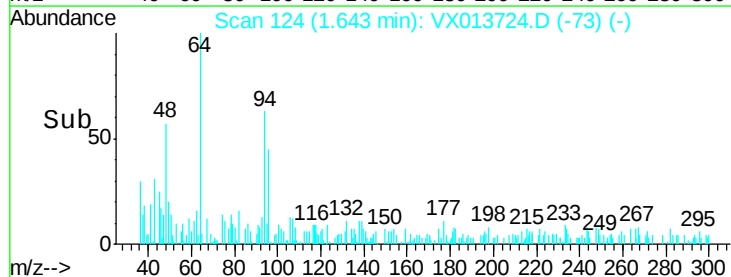
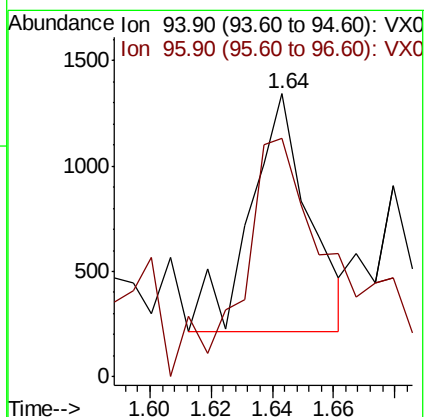
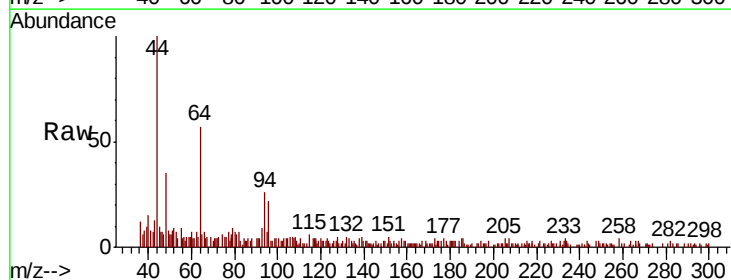
Acq: 03 Dec 2019 15:01

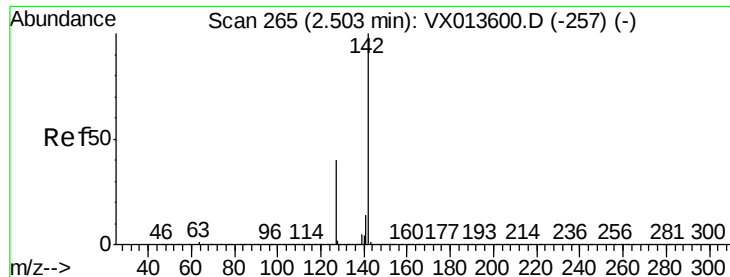
Tgt Ion: 94 Resp: 1494

Ion Ratio Lower Upper

94 100

96 74.4 77.0 115.4#





#10

Methyl Iodide

Concen: 0.209 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

S39-TB-2019-2

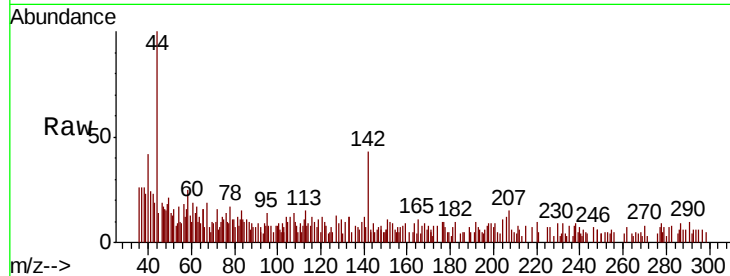
Tot Ion:142 Resp: 1688

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

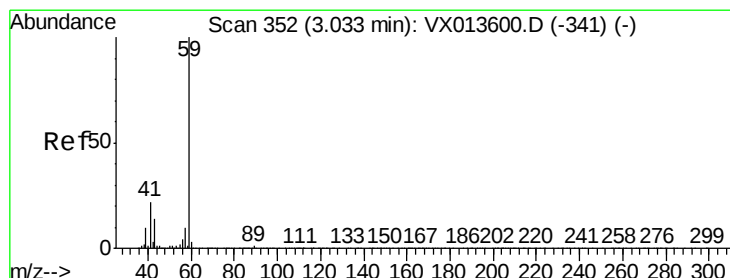
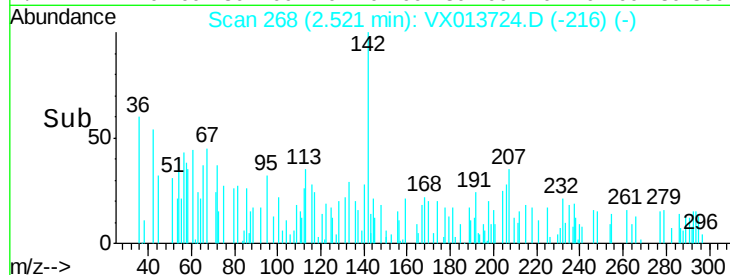
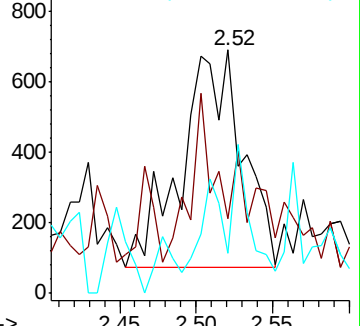
141 14.9 11.6 17.4



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



#11

Tert butyl alcohol

Concen: 0.286 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX013724.D

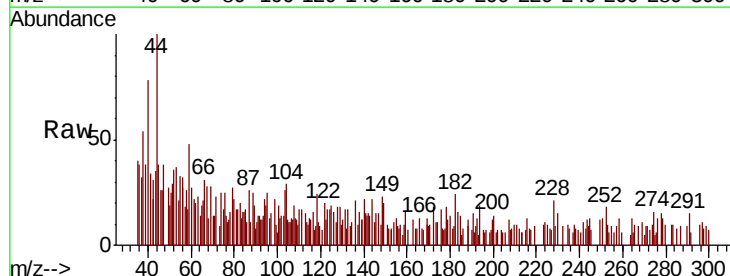
Acq: 03 Dec 2019 15:01

Tgt Ion: 59 Resp: 575

Ion Ratio Lower Upper

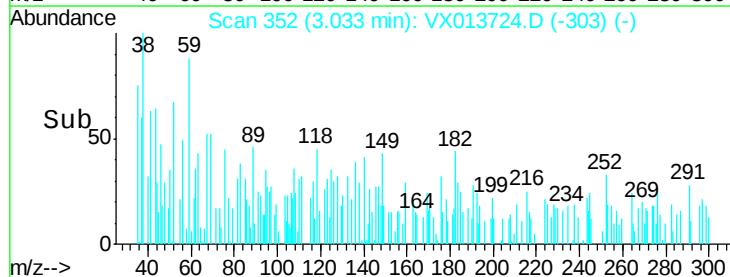
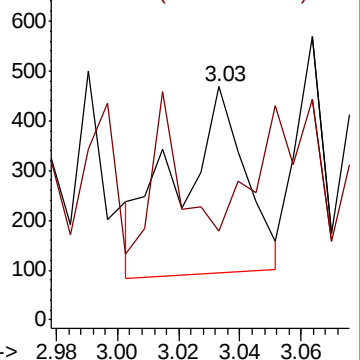
59 100

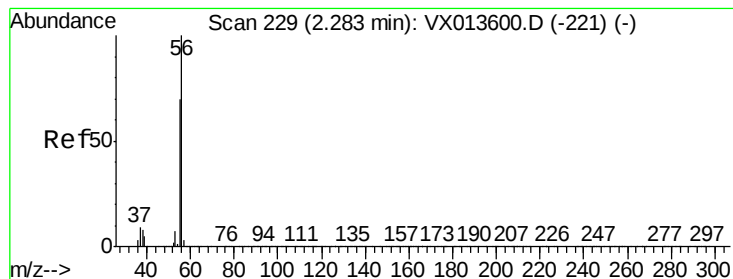
57 44.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.211 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

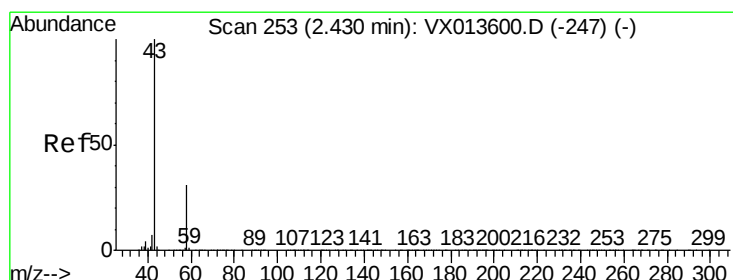
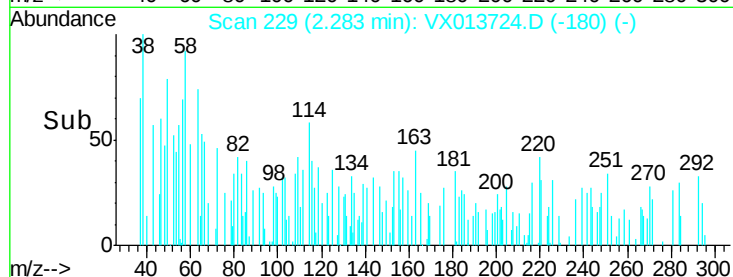
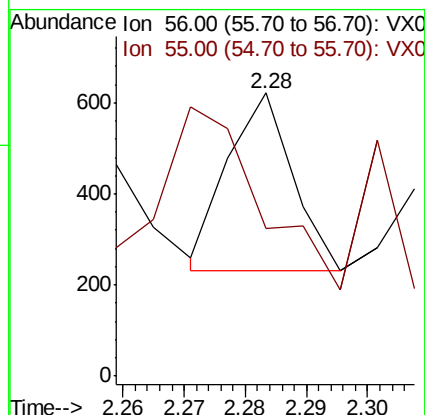
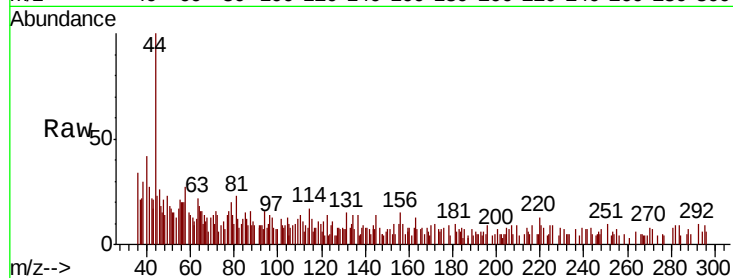
S39-TB-2019-2

Tot Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 2.591 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013724.D

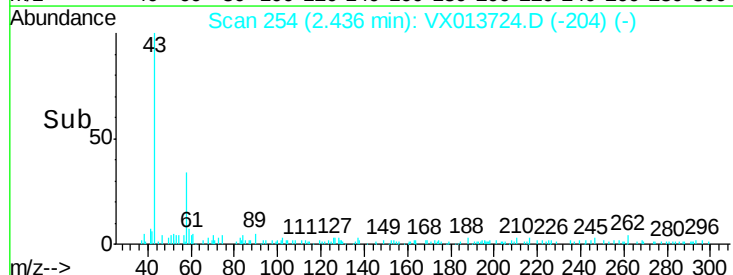
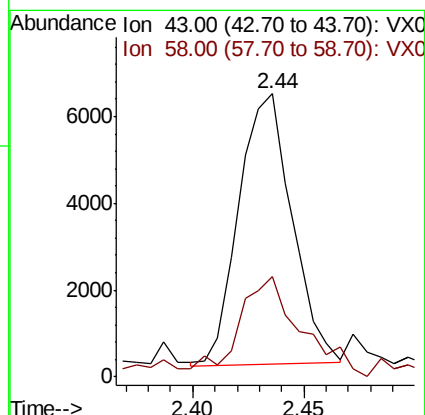
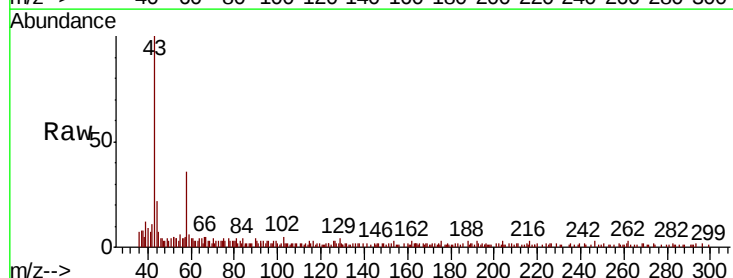
Acq: 03 Dec 2019 15:01

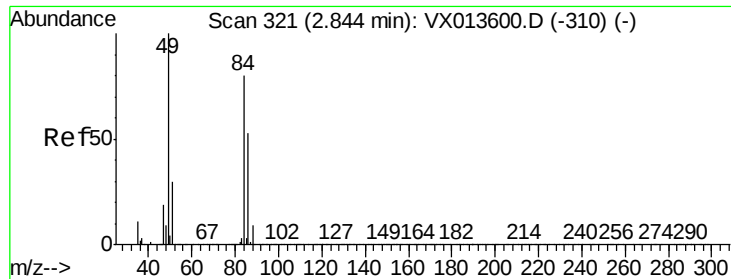
Tgt Ion: 43 Resp: 10412

Ion Ratio Lower Upper

43 100

58 34.6 24.6 36.8

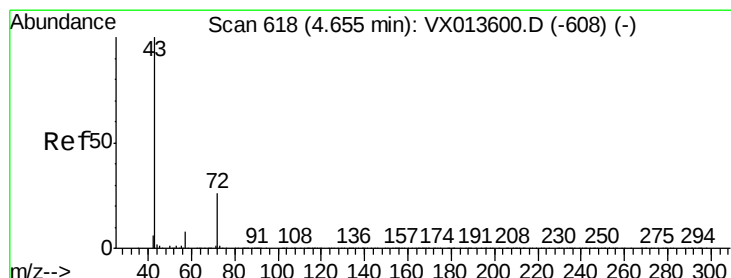
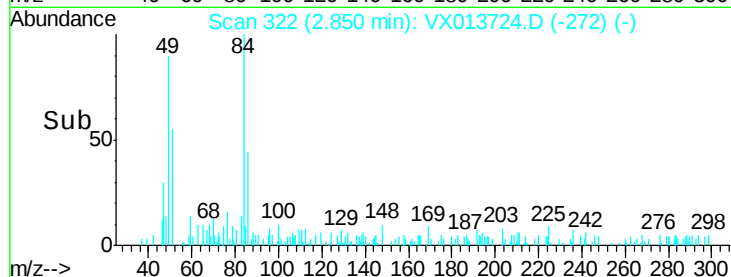
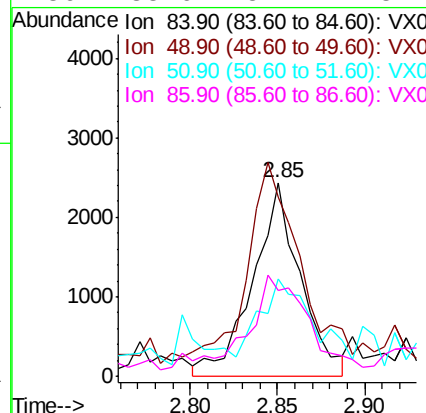
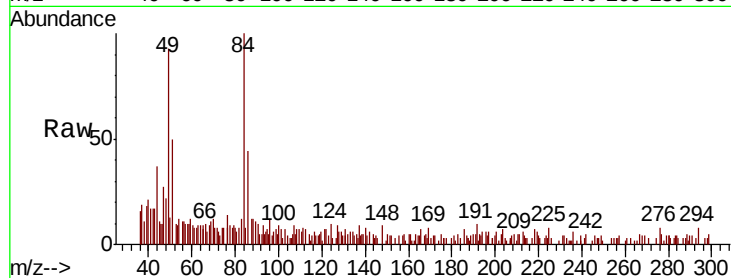




#20
Methvlene Chloride
Concen: 0.595 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013724.D
Acq: 03 Dec 2019 15:01

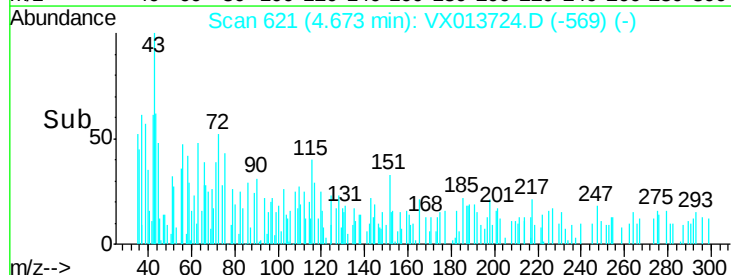
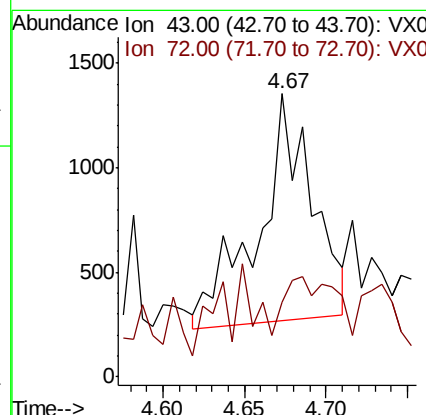
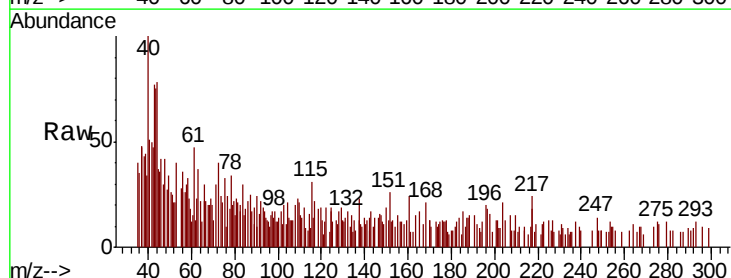
Instrument :
MSVOA_X
ClientSampleId :
S39-TB-2019-2

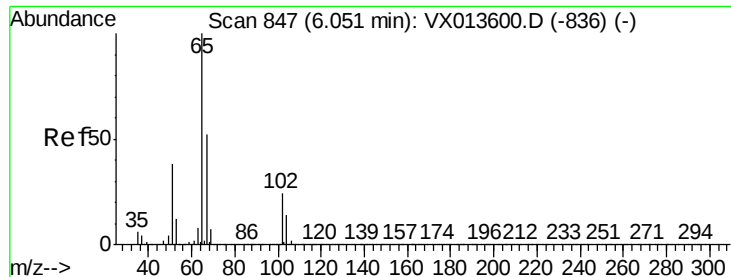
Tot Ion: 84 Resp: 4593
Ion Ratio Lower Upper
84 100
49 84.0 99.7 149.5#
51 33.1 29.9 44.9
86 38.6 52.2 78.4#



#25
2-Butanone
Concen: 0.418 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX013724.D
Acq: 03 Dec 2019 15:01

Tgt Ion: 43 Resp: 2496
Ion Ratio Lower Upper
43 100
72 4.3 20.6 31.0#





#33

1,2-Dichloroethane-d4

Concen: 47.519 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

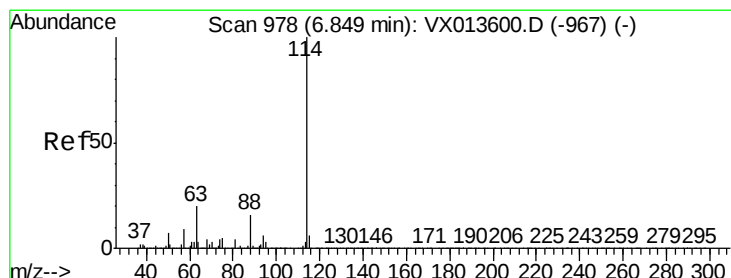
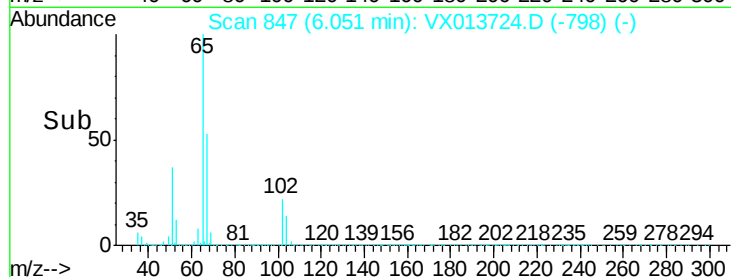
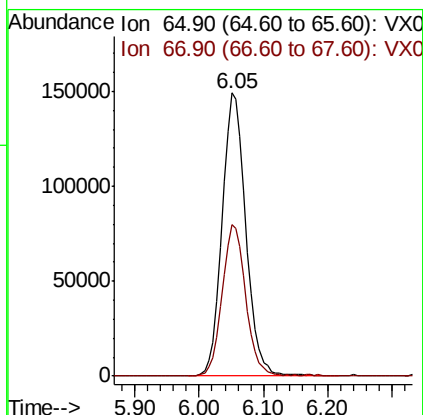
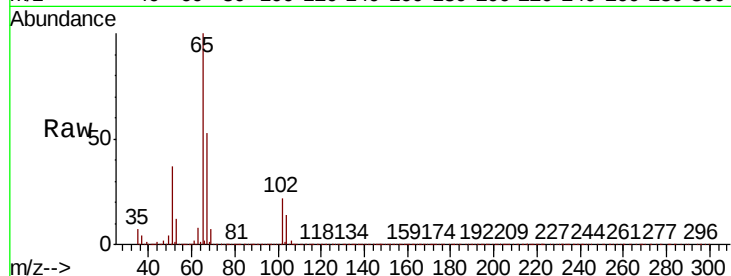
S39-TB-2019-2

Tot Ion: 65 Resp: 386799

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

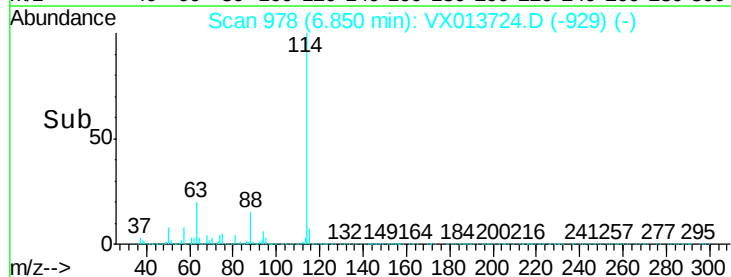
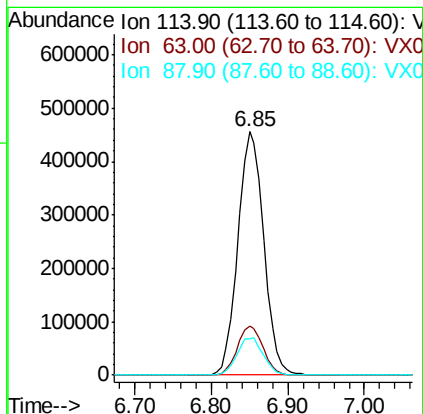
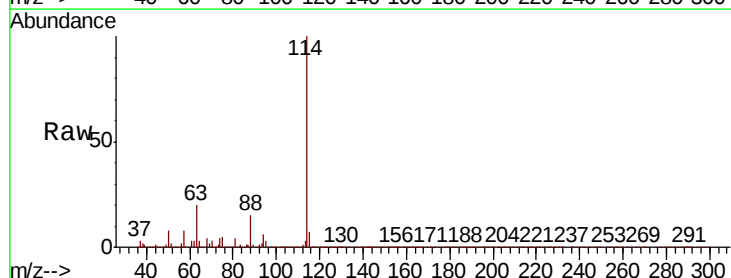
Tgt Ion: 114 Resp: 1069184

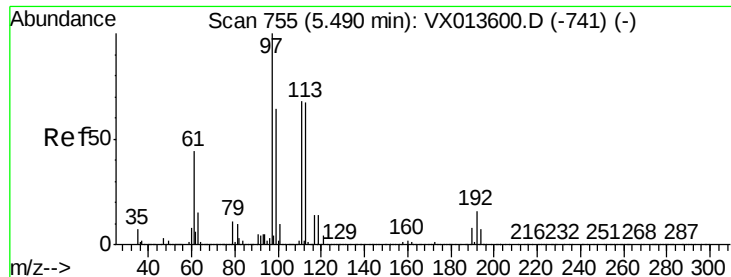
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.807 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

S39-TB-2019-2

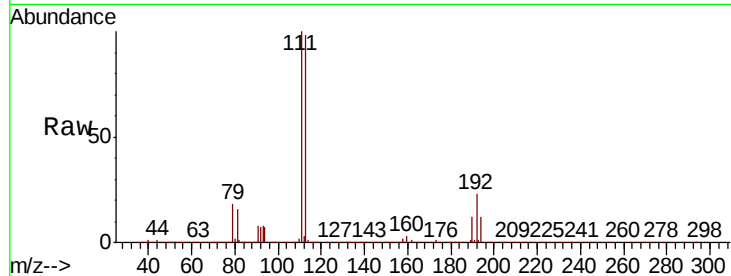
Tot Ion:113 Resp: 315995

Ion Ratio Lower Upper

113 100

111 101.4 83.6 125.4

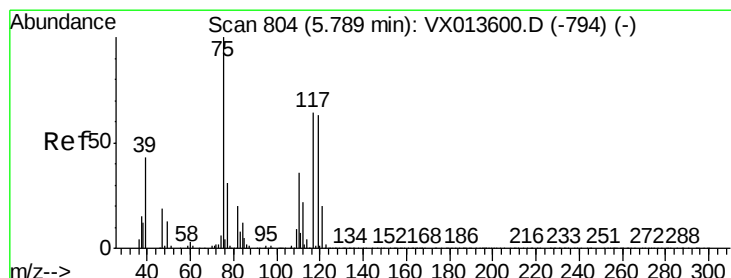
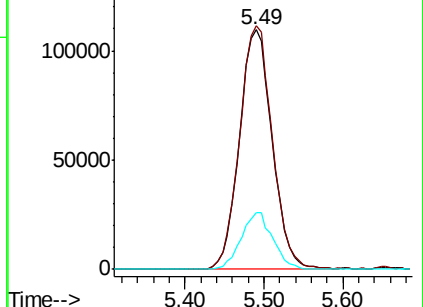
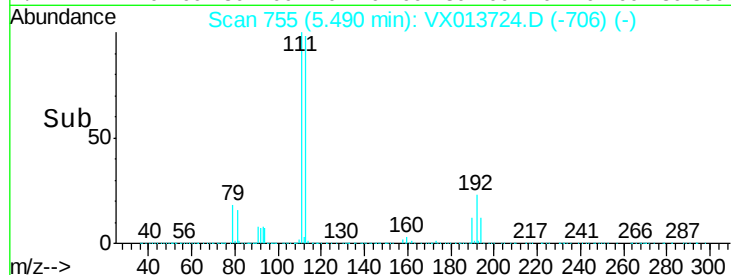
192 23.2 19.2 28.8



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: 4.796 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

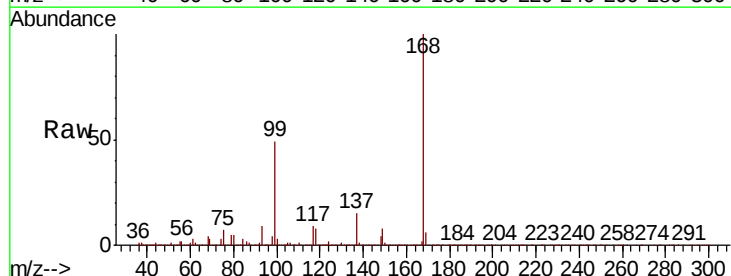
Tgt Ion: 75 Resp: 46549

Ion Ratio Lower Upper

75 100

110 11.3 18.1 54.1#

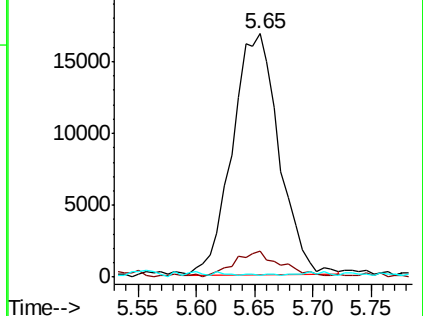
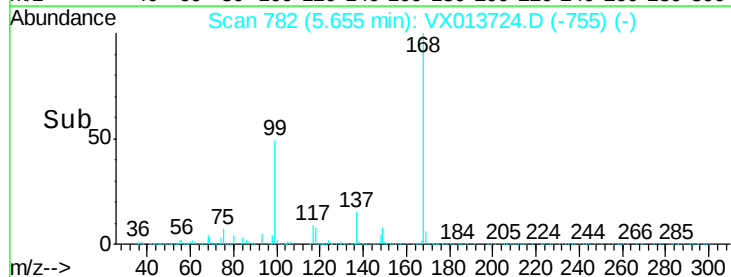
77 0.2 24.5 36.7#

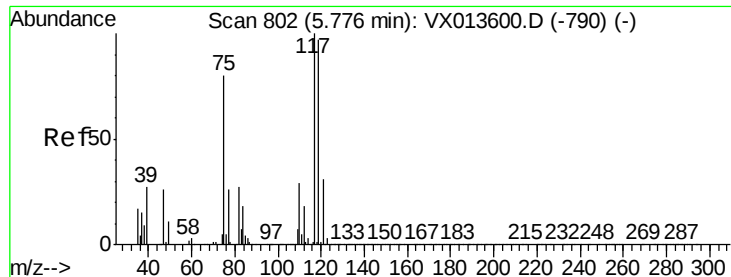


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.748 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

S39-TB-2019-2

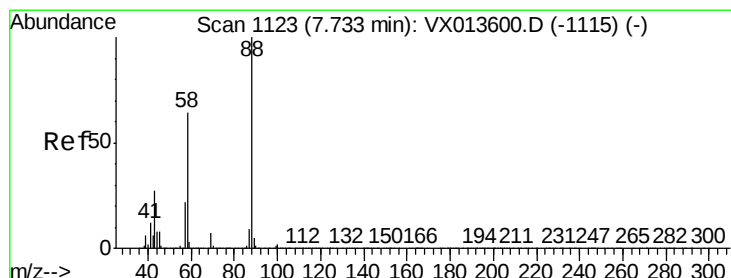
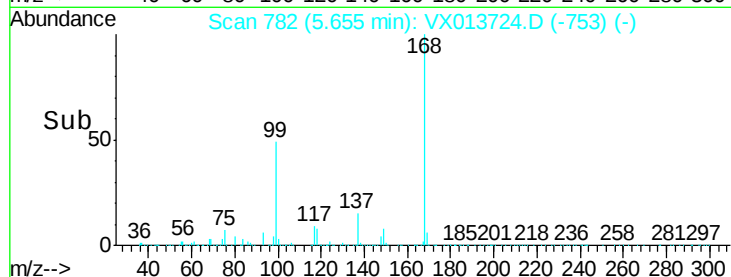
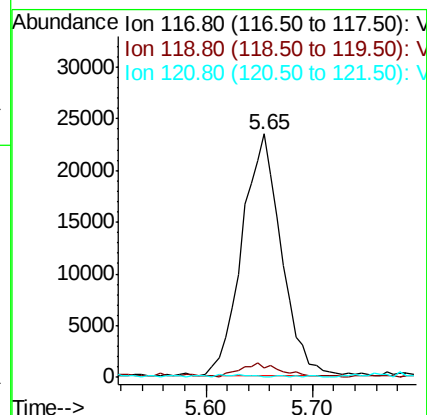
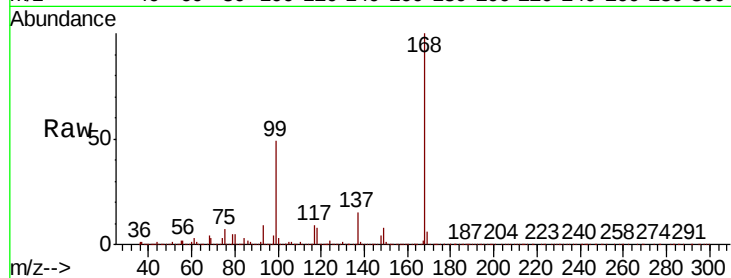
Tot Ion:117 Resp: 60389

Ion Ratio Lower Upper

117 100

119 3.6 77.5 116.3#

121 0.3 25.0 37.6#



#49

1,4-Dioxane

Concen: 1.770 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

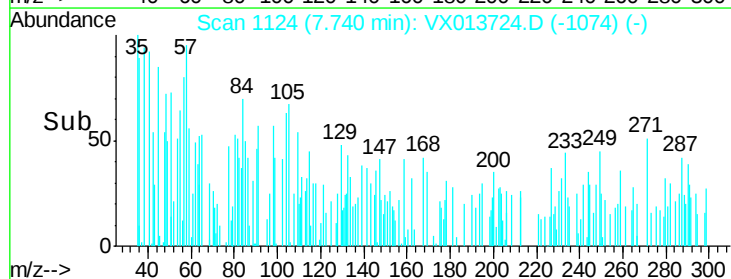
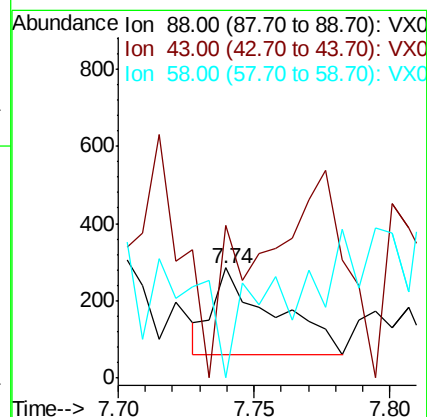
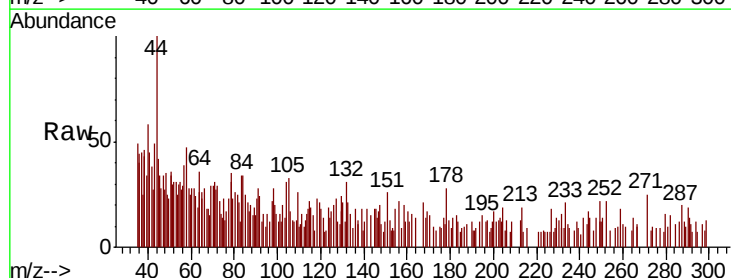
Tgt Ion: 88 Resp: 345

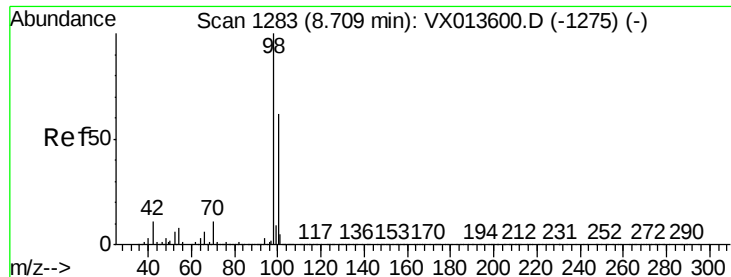
Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 90.1 54.6 82.0#





#50

Toluene-d8

Concen: 48.890 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

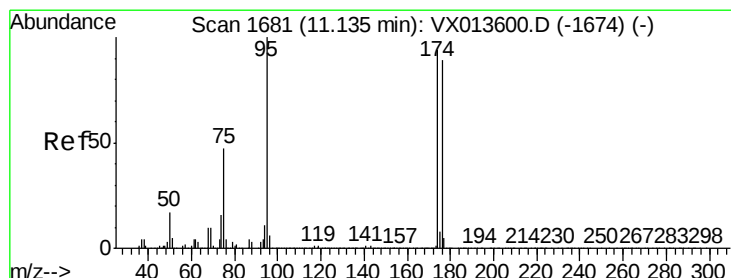
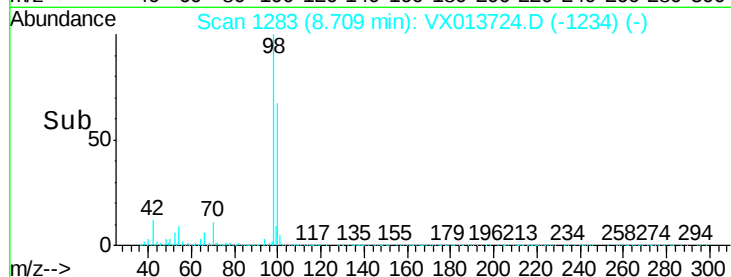
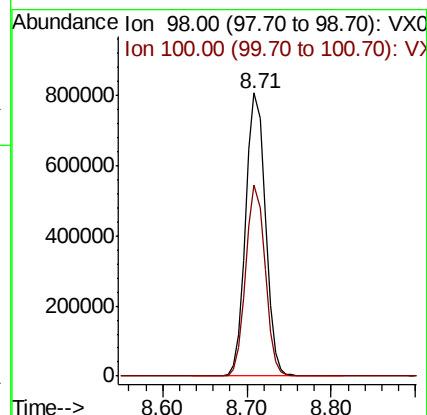
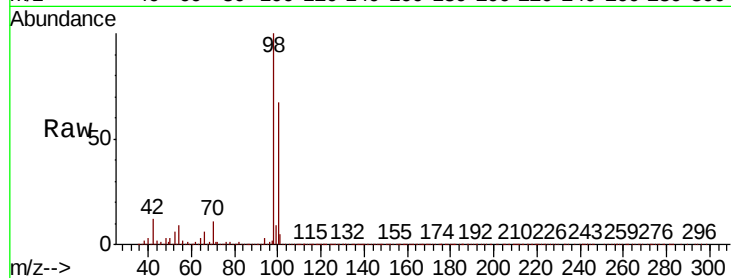
S39-TB-2019-2

Tot Ion: 98 Resp: 1259049

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.821 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

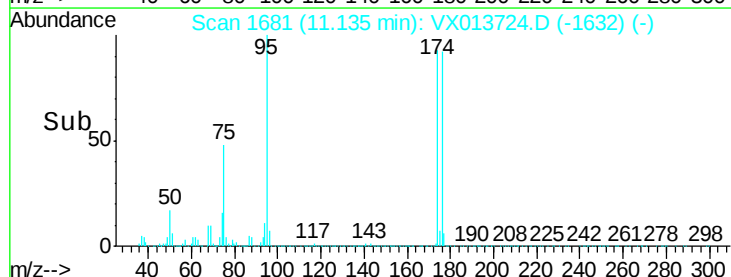
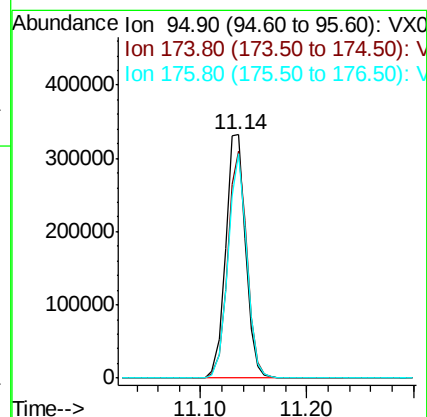
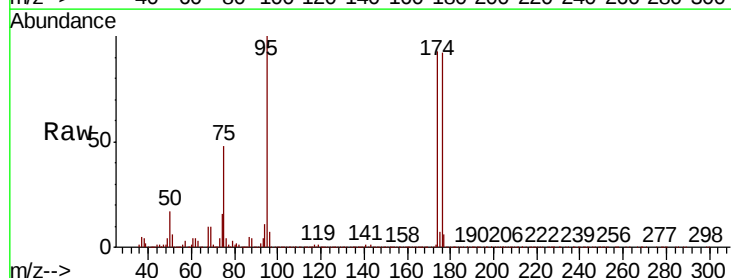
Tgt Ion: 95 Resp: 434803

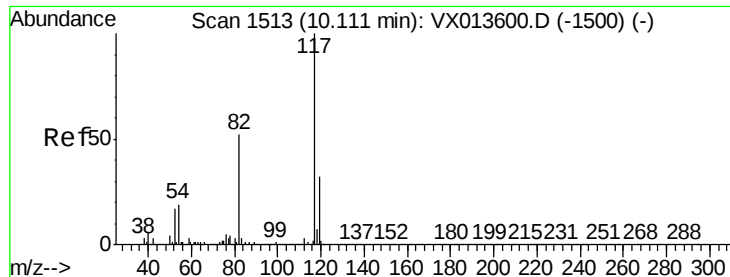
Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 87.0 0.0 173.6

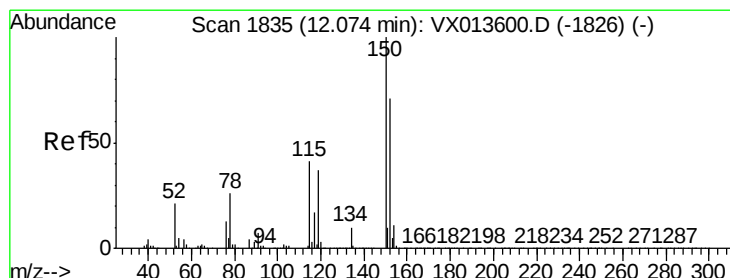
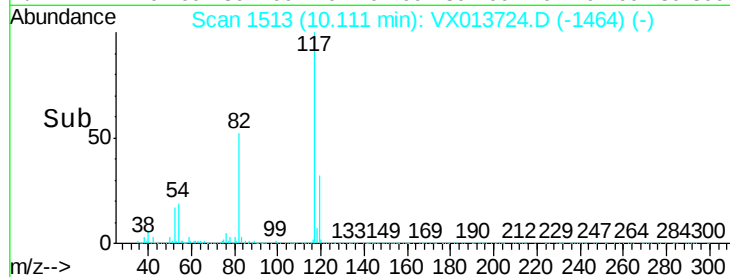
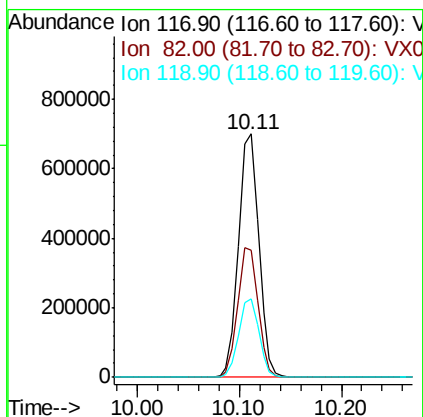
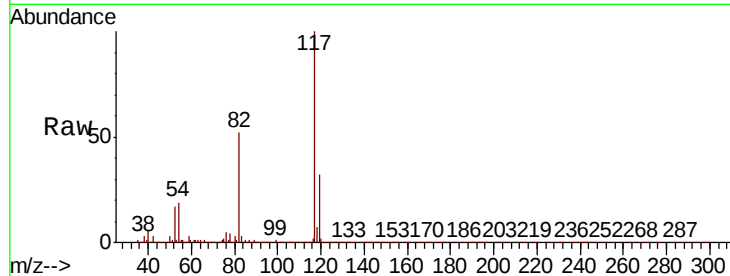




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013724.D
Acq: 03 Dec 2019 15:01

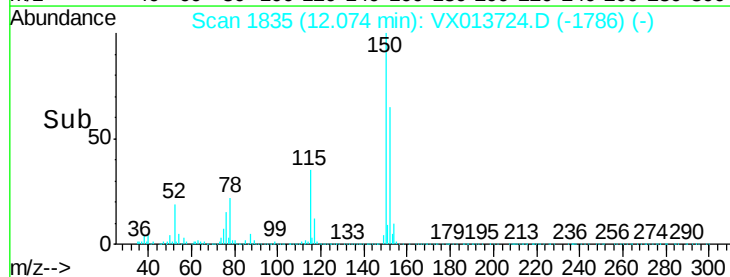
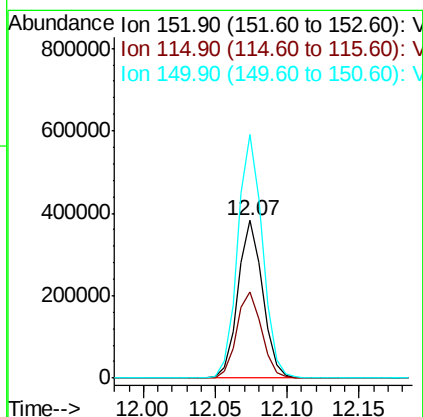
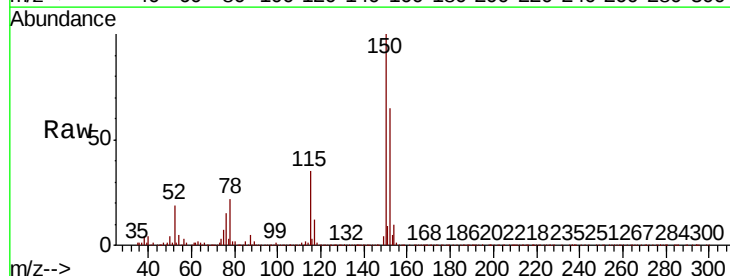
Instrument :
MSVOA_X
ClientSampleId :
S39-TB-2019-2

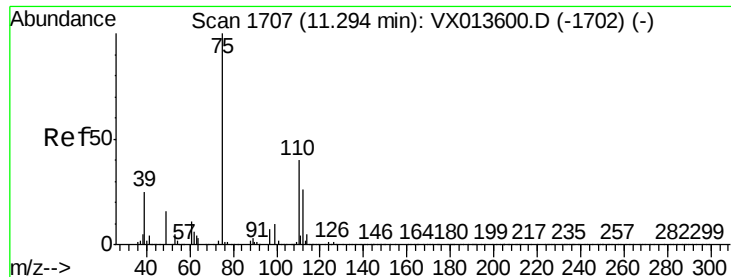
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	32.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013724.D
Acq: 03 Dec 2019 15:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.4	115.1
150	156.2	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 20.898 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

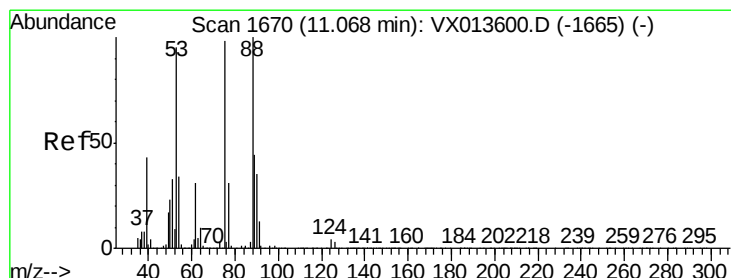
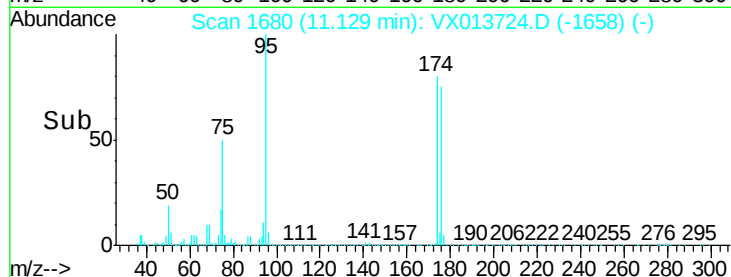
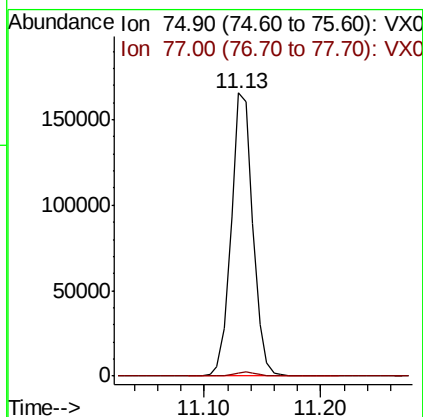
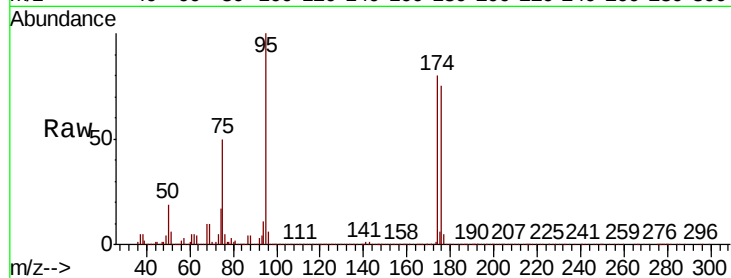
S39-TB-2019-2

Tot Ion: 75 Resp: 213908

Ion Ratio Lower Upper

75 100

77 1.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.173 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013724.D

Acq: 03 Dec 2019 15:01

Tgt Ion: 75 Resp: 213908

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.0 35.4 53.2#

