

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013978.D
 Acq On : 12 Dec 2019 16:22
 Operator : JC/SP
 Sample : K6249-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ193I-20191208

Quant Time: Dec 13 00:52:52 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	556376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	854004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	764520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320935	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	314492	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.48	113	253317	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	1010565	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.14	95	333185	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

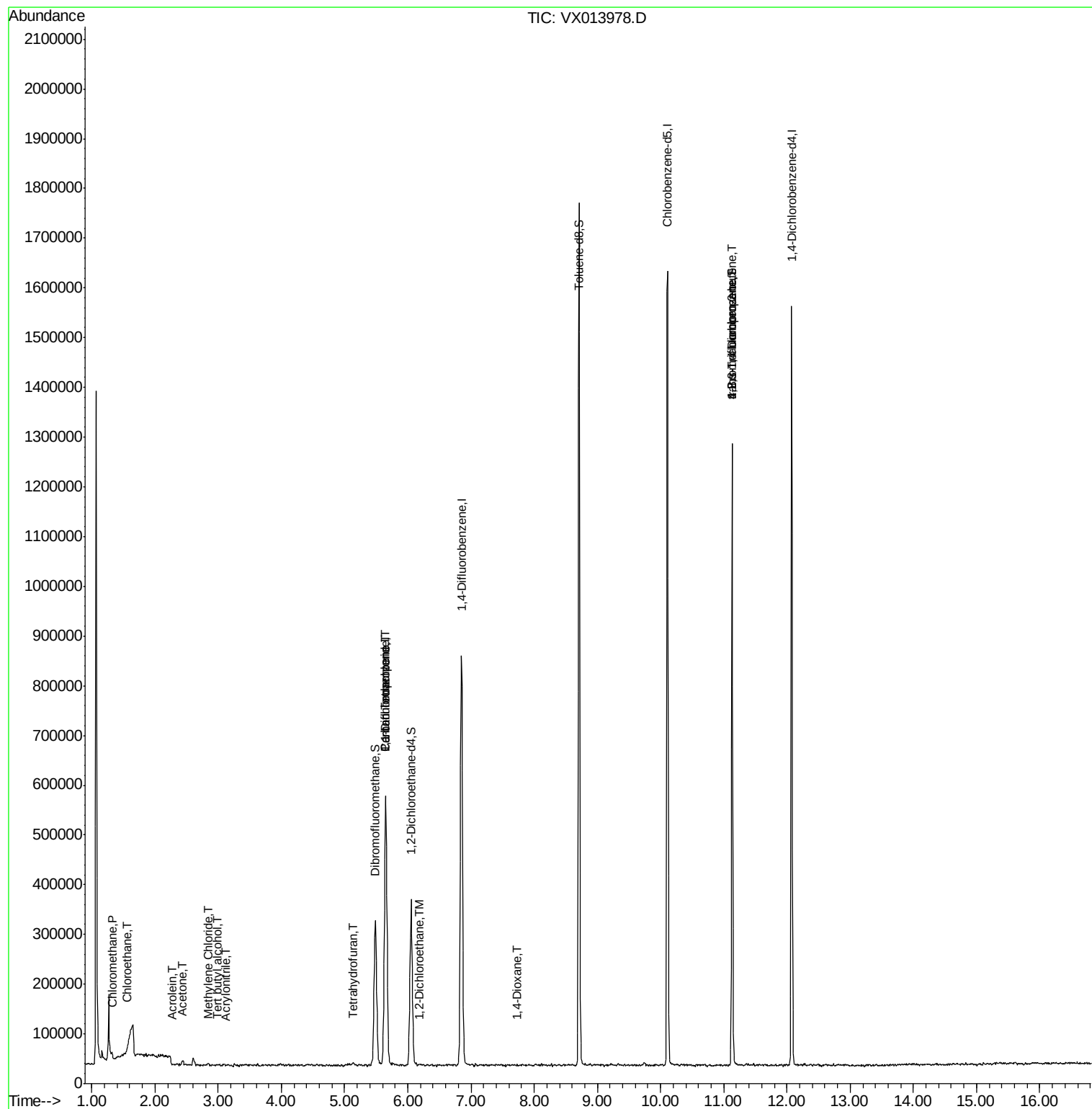
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6937	0.998	ug/l	99
6) Chloroethane	1.56	64	14586	3.277	ug/l #	54
11) Tert butyl alcohol	3.00	59	1243	0.780	ug/l #	83
13) Acrolein	2.28	56	484	6.447	ug/l #	51
15) Acrylonitrile	3.12	53	1172	0.356	ug/l #	17
16) Acetone	2.44	43	10374	3.254	ug/l	96
20) Methylene Chloride	2.85	84	1581	0.258	ug/l	95
29) Tetrahydrofuran	5.14	42	6113	2.093	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	38816	5.007	ug/l #	50
38) Carbon Tetrachloride	5.65	117	50313	7.039	ug/l #	15
42) 1,2-Dichloroethane	6.19	62	1847	0.229	ug/l	83
49) 1,4-Dioxane	7.72	88	181	1.162	ug/l #	61
76) 1,2,3-Trichloropropane	11.13	75	161362	22.354	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	161362	61.157	ug/l #	11

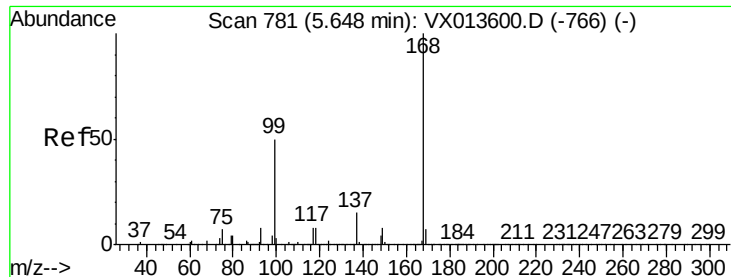
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121219\
Data File : VX013978.D
Acq On : 12 Dec 2019 16:22
Operator : JC/SP
Sample : K6249-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ193I-20191208

Quant Time: Dec 13 00:52:52 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# 781

Delta R.T. 0.00 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

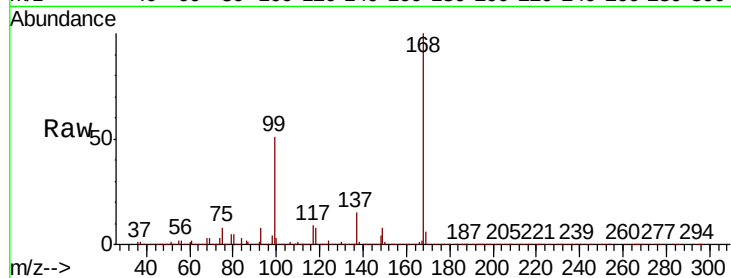
SA-PZ193I-20191208

Tot Ion:168 Resp: 556376

Ion Ratio Lower Upper

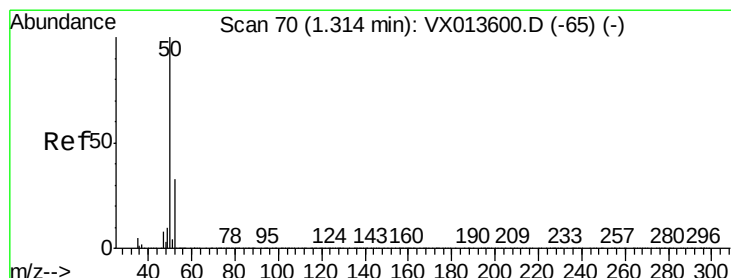
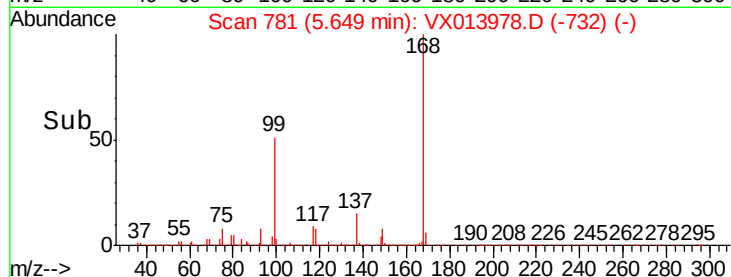
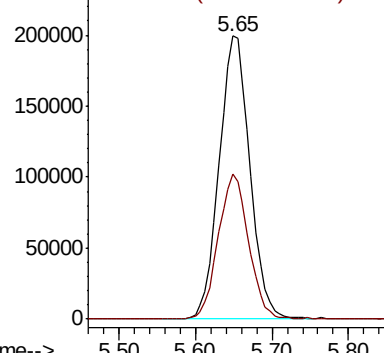
168 100

99 51.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.998 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013978.D

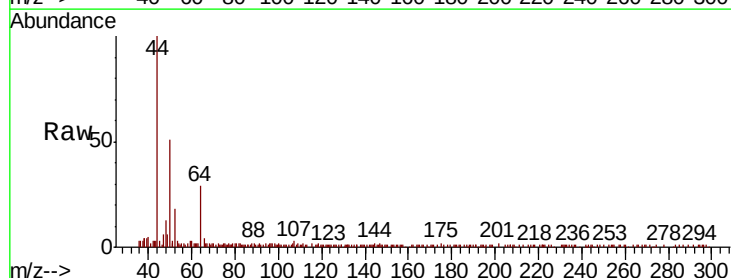
Acq: 12 Dec 2019 16:22

Tgt Ion: 50 Resp: 6937

Ion Ratio Lower Upper

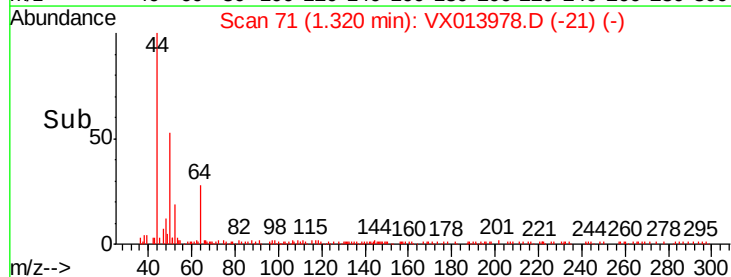
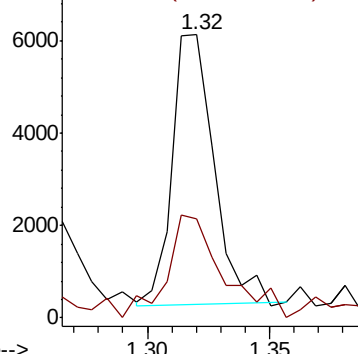
50 100

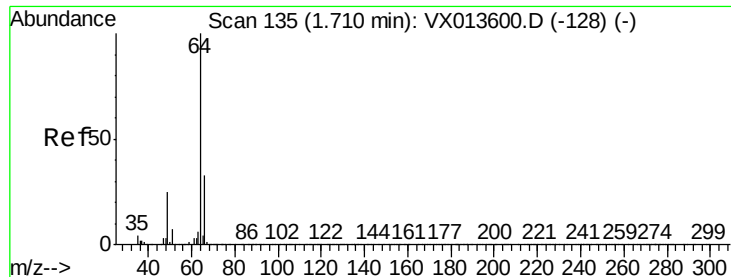
52 33.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 3.277 ug/l

RT: 1.56 min Scan# 110

Delta R.T. -0.15 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

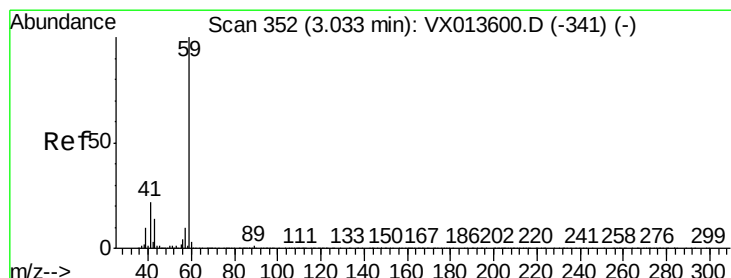
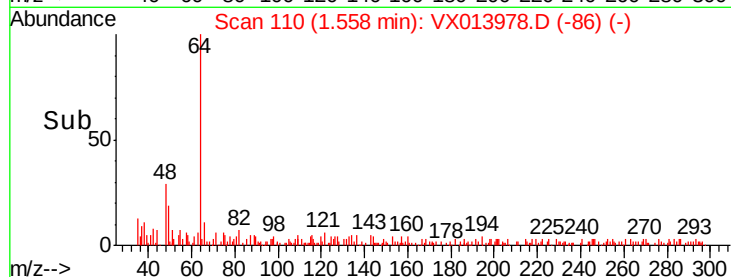
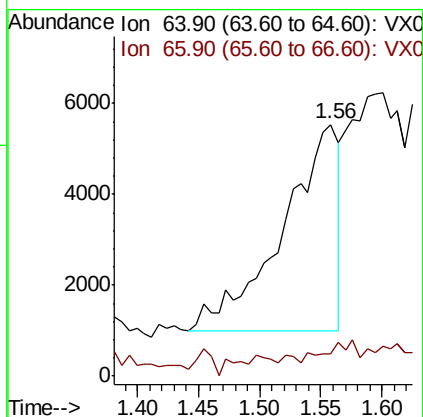
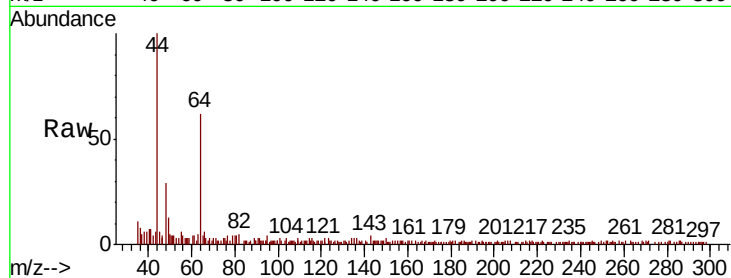
SA-PZ193I-20191208

Tot Ion: 64 Resp: 14586

Ion Ratio Lower Upper

64 100

66 7.4 26.7 40.1#



#11

Tert butyl alcohol

Concen: 0.780 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.04 min

Lab File: VX013978.D

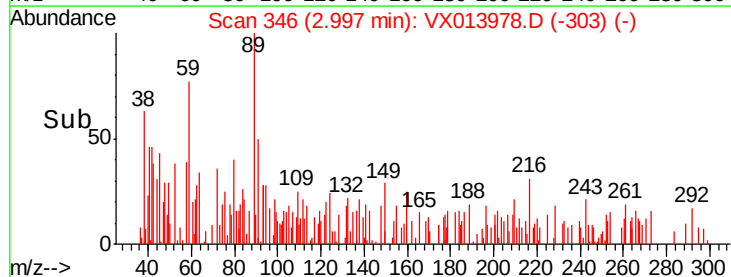
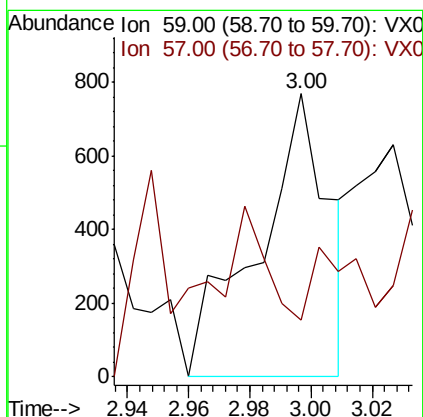
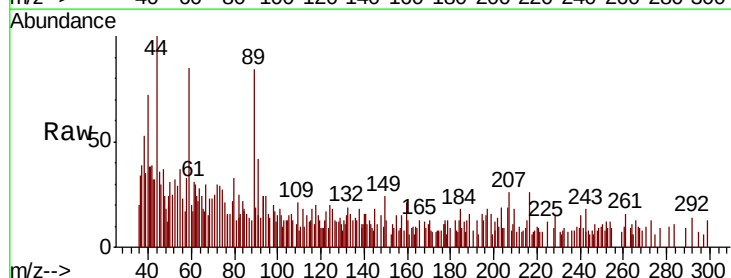
Acq: 12 Dec 2019 16:22

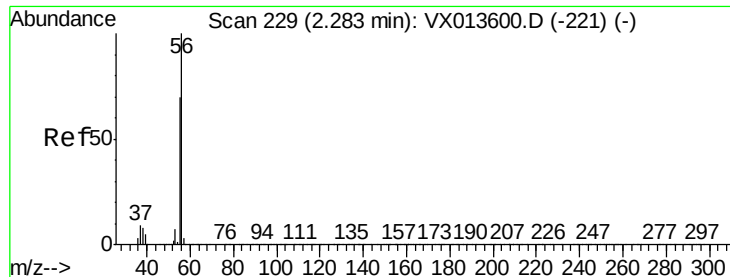
Tgt Ion: 59 Resp: 1243

Ion Ratio Lower Upper

59 100

57 16.1 7.8 11.6#





#13

Acrolein

Concen: 6.447 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

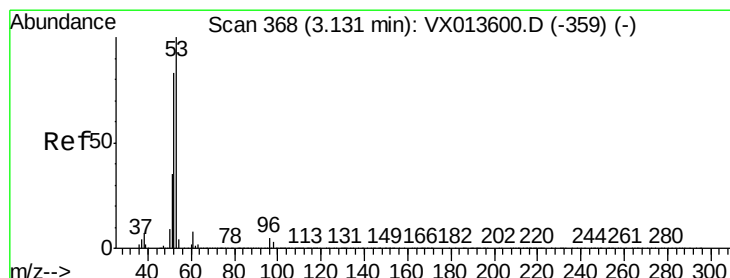
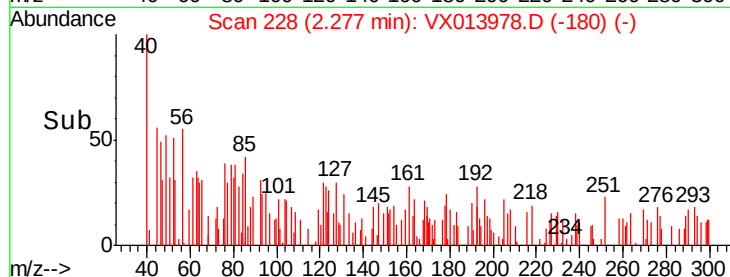
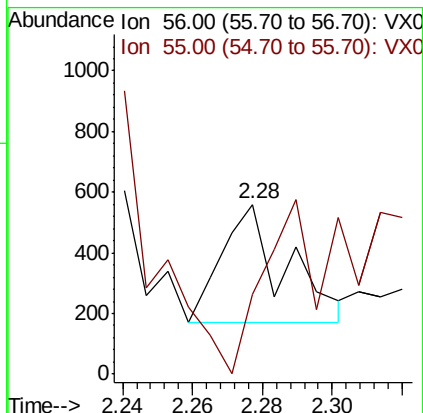
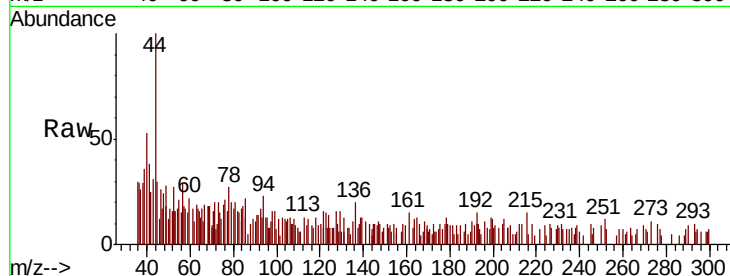
SA-PZ193I-20191208

Tot Ion: 56 Resp: 484

Ion Ratio Lower Upper

56 100

55 110.5 56.2 84.4#



#15

Acrylonitrile

Concen: 0.356 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

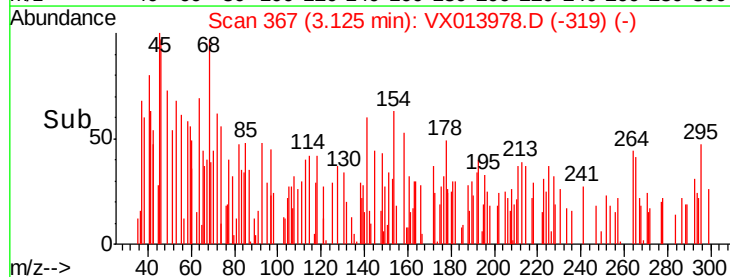
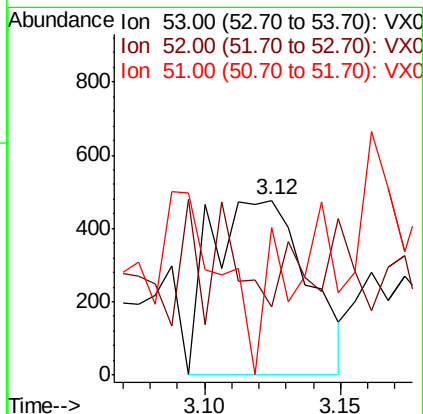
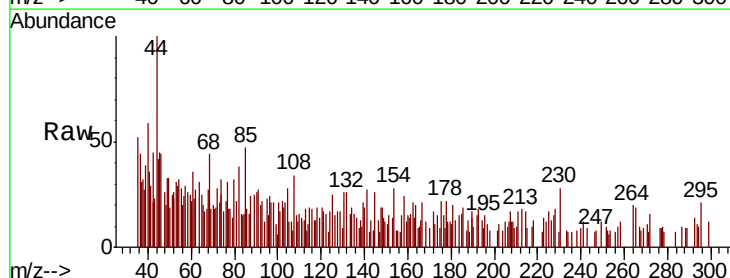
Tgt Ion: 53 Resp: 1172

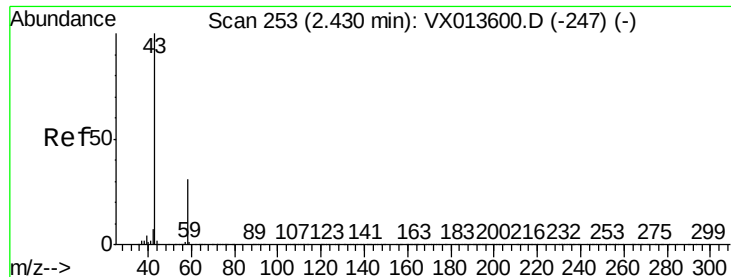
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 0.0 29.0 43.6#





#16

Acetone

Concen: 3.254 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

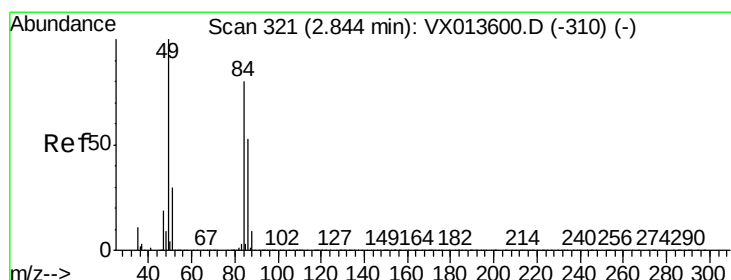
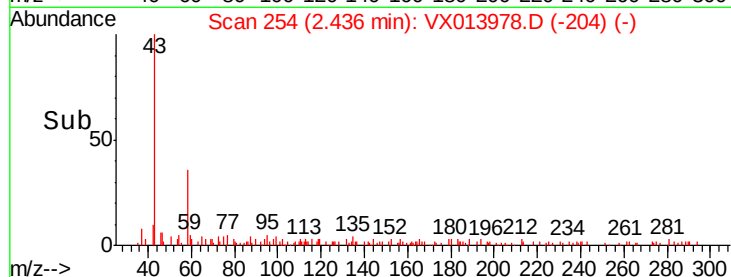
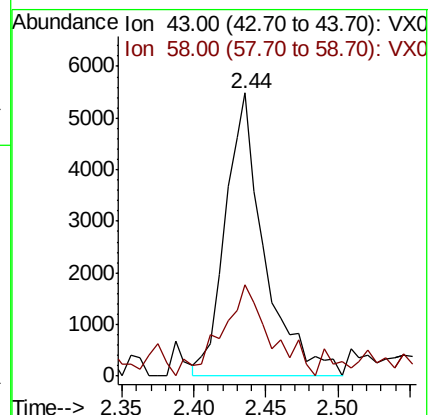
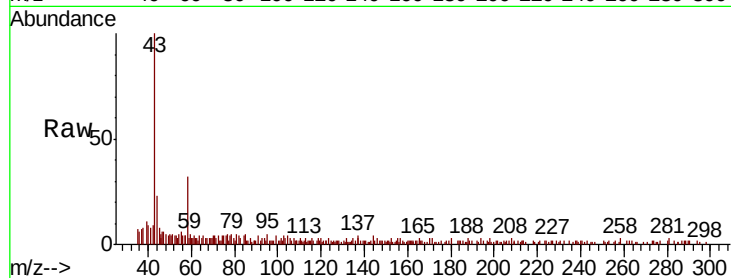
SA-PZ193I-20191208

Tot Ion: 43 Resp: 10374

Ion Ratio Lower Upper

43 100

58 28.5 24.6 36.8



#20

Methylene Chloride

Concen: 0.258 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Tgt Ion: 84 Resp: 1581

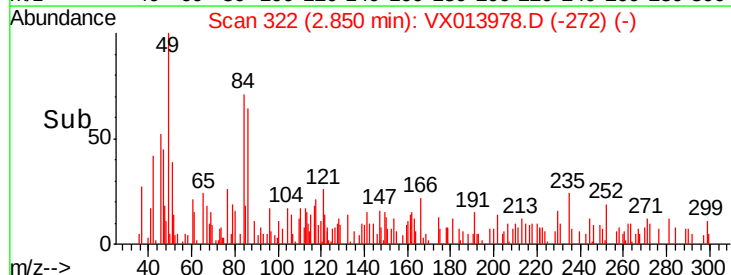
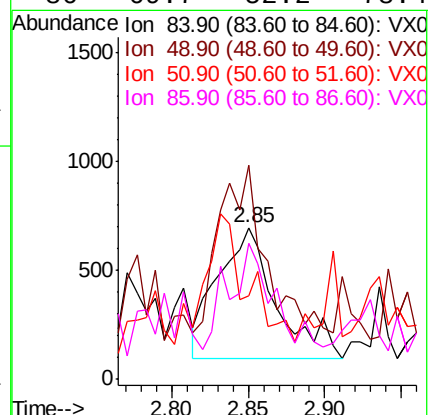
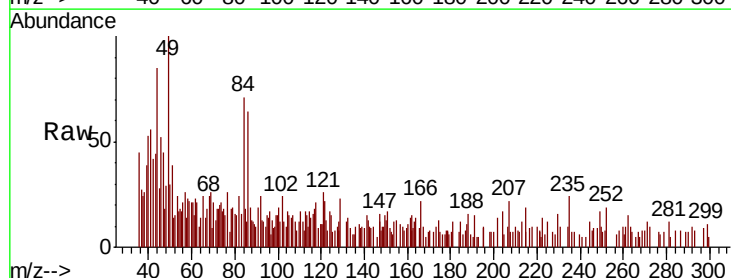
Ion Ratio Lower Upper

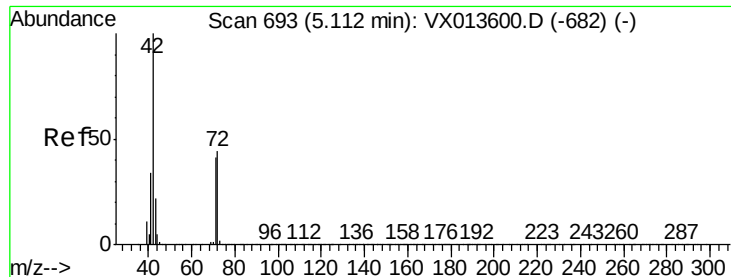
84 100

49 128.3 99.7 149.5

51 31.1 29.9 44.9

86 69.7 52.2 78.4





#29

Tetrahydrofuran

Concen: 2.093 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1931-20191208

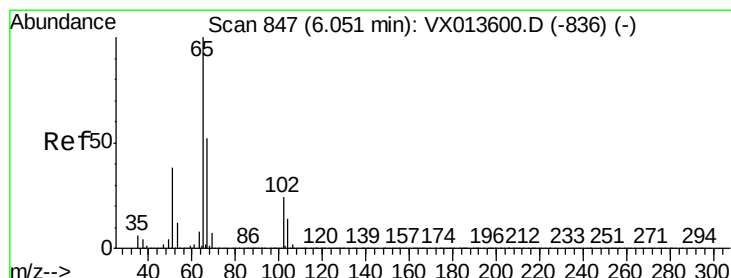
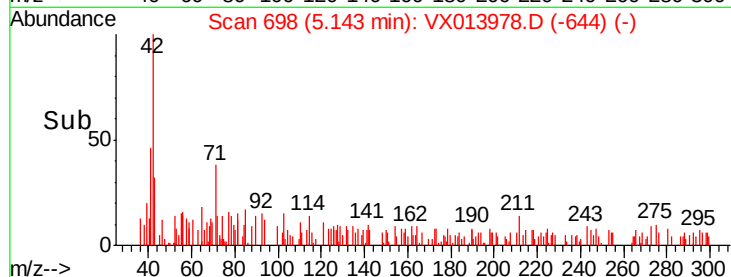
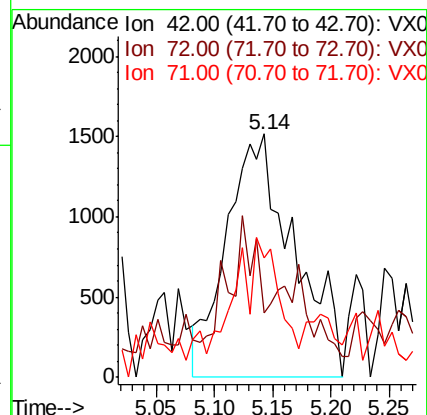
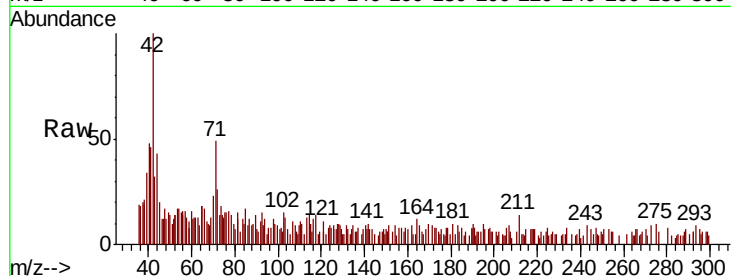
Tot Ion: 42 Resp: 6113

Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 15.3 33.2 49.8#



#33

1,2-Dichloroethane-d4

Concen: 48.696 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013978.D

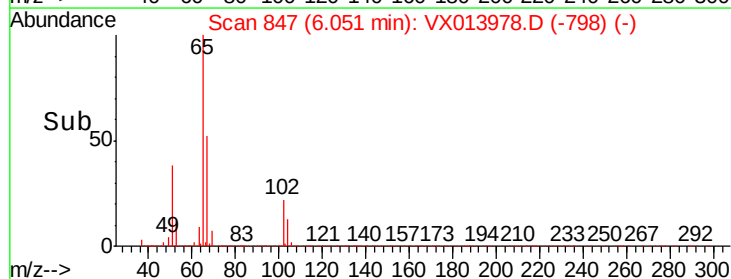
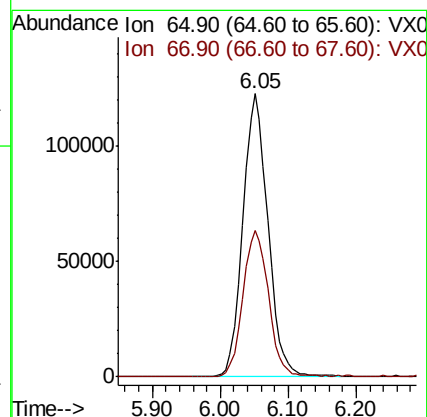
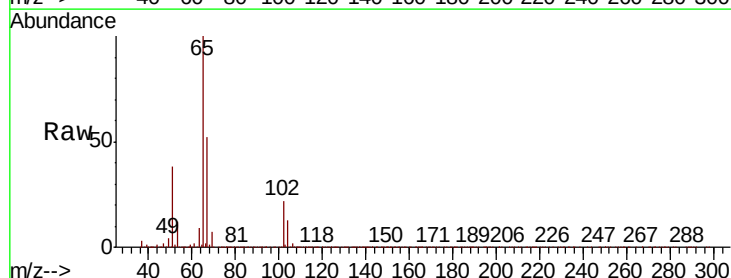
Acq: 12 Dec 2019 16:22

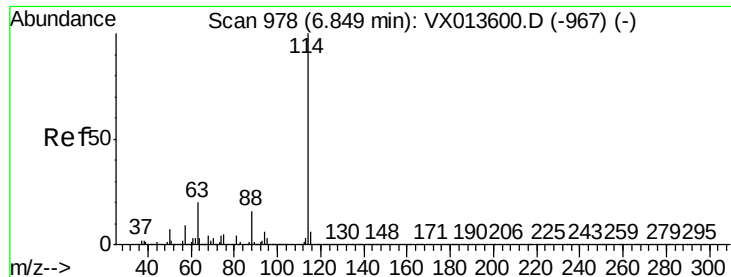
Tgt Ion: 65 Resp: 314492

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.4

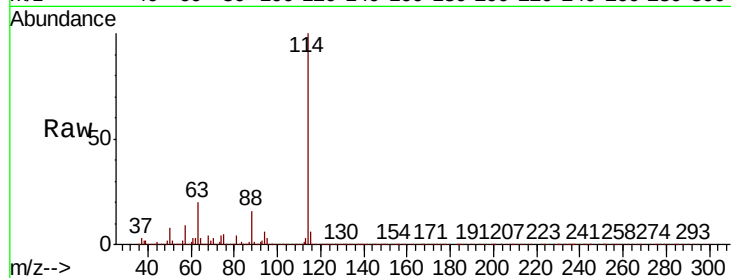




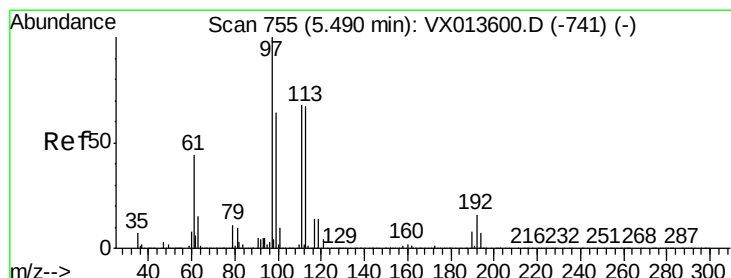
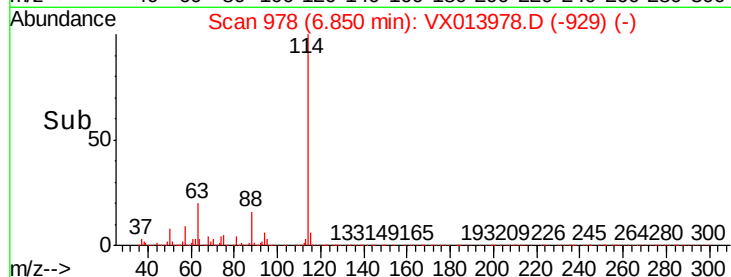
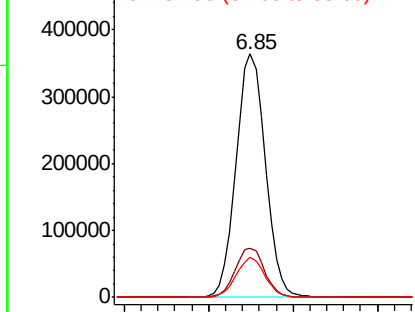
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013978.D
Acq: 12 Dec 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ193I-20191208

Tot Ion:	114	Resp:	854004
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.2	0.0	31.4

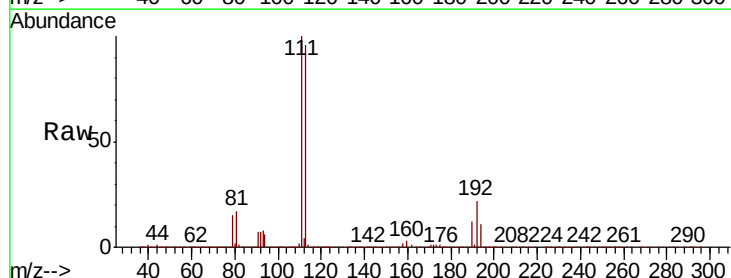


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

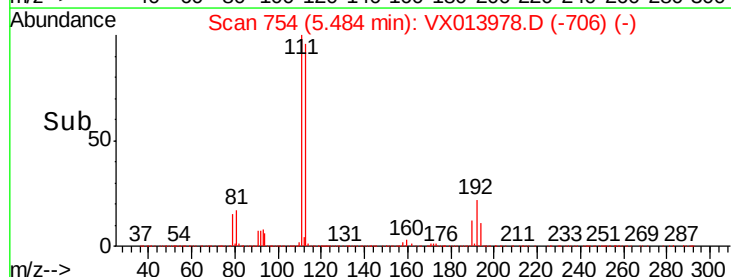
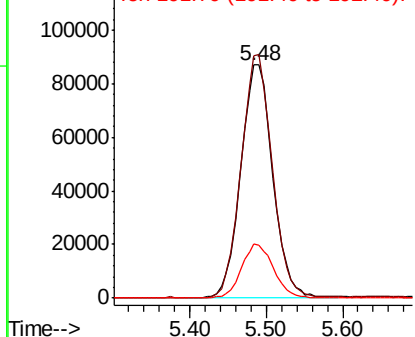


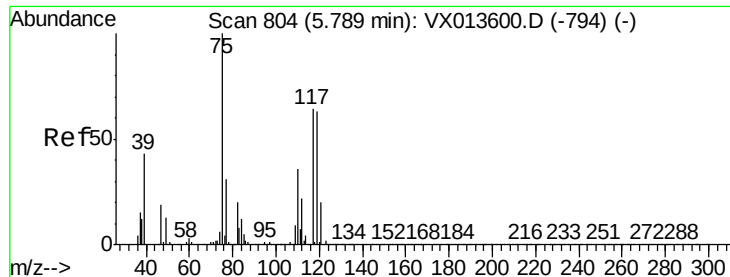
#35
Dibromofluoromethane
Concen: 47.981 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013978.D
Acq: 12 Dec 2019 16:22

Tgt Ion:	113	Resp:	253317
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.6	125.4
192	23.1	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: 5.007 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ193I-20191208

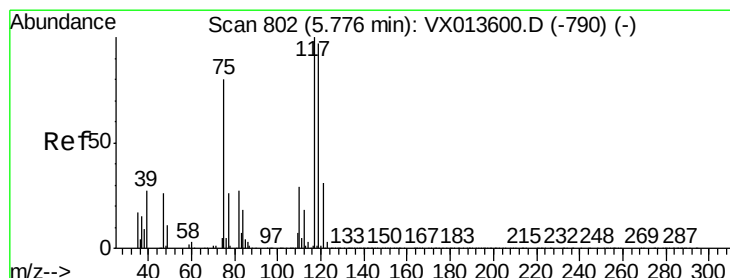
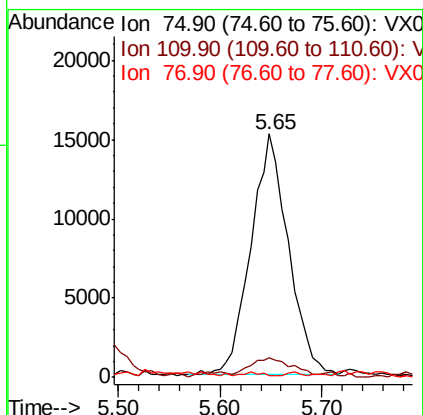
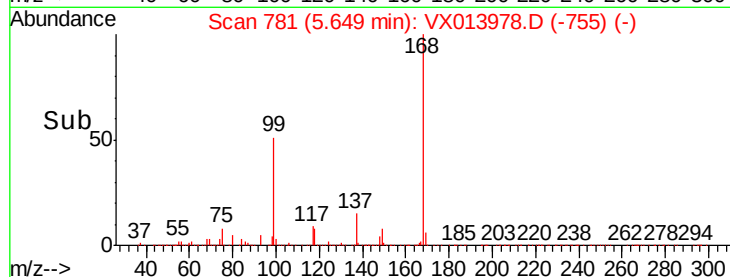
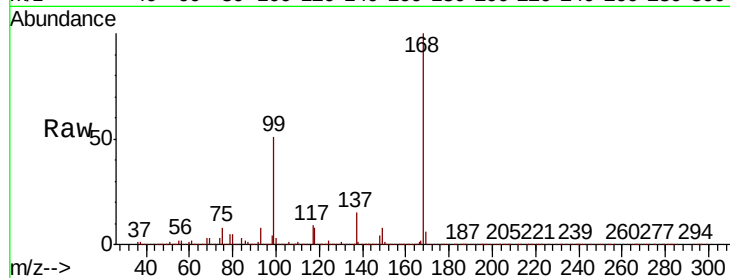
Tot Ion: 75 Resp: 38816

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

77 0.6 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.039 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

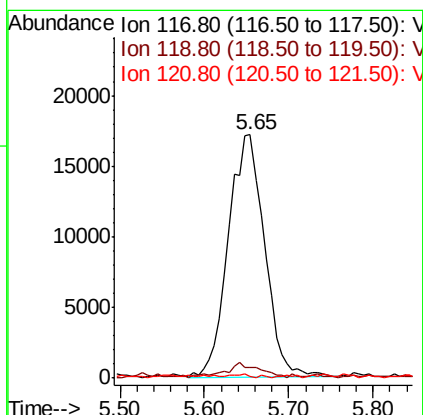
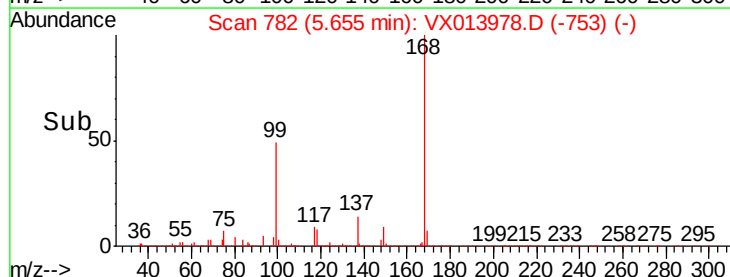
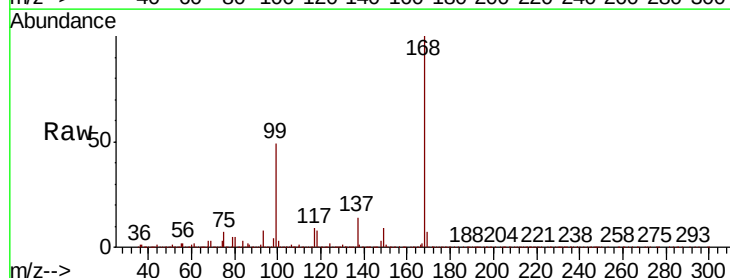
Tgt Ion: 117 Resp: 50313

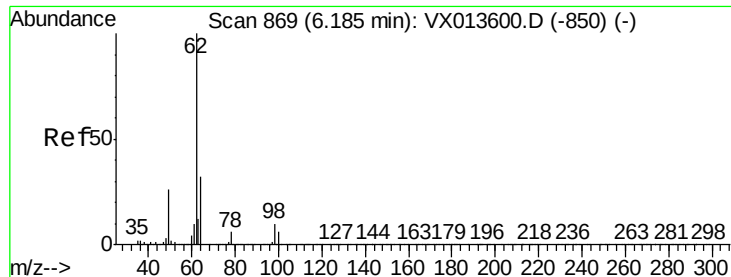
Ion Ratio Lower Upper

117 100

119 4.6 77.5 116.3#

121 0.6 25.0 37.6#





#42

1,2-Dichloroethane

Concen: 0.229 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

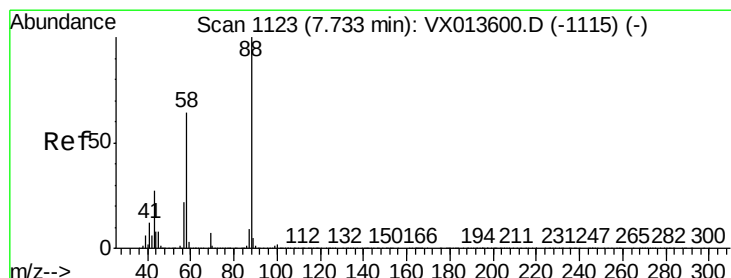
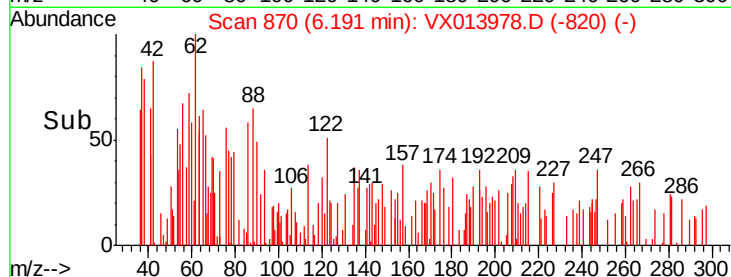
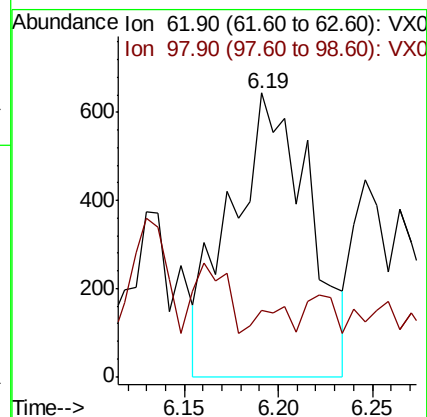
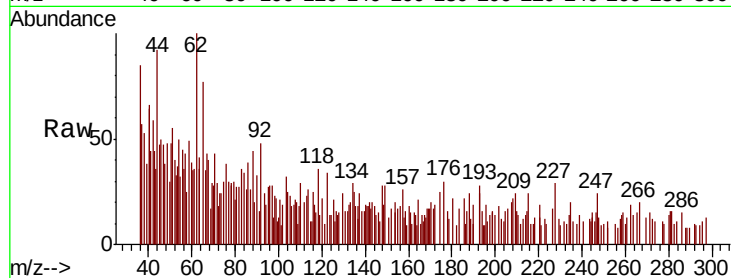
SA-PZ193I-20191208

Tot Ion: 62 Resp: 1847

Ion Ratio Lower Upper

62 100

98 4.1 0.0 20.8



#49

1,4-Dioxane

Concen: 1.162 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

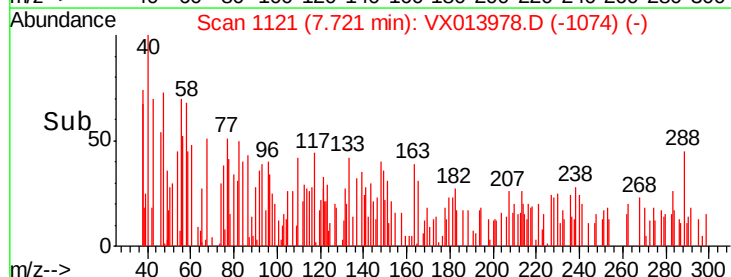
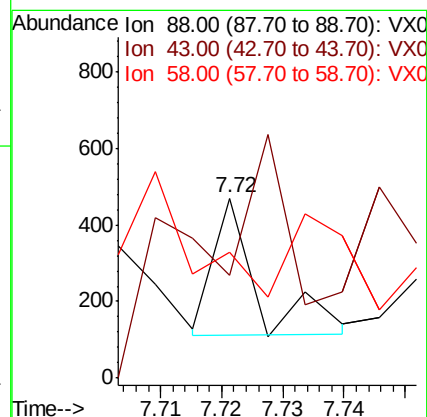
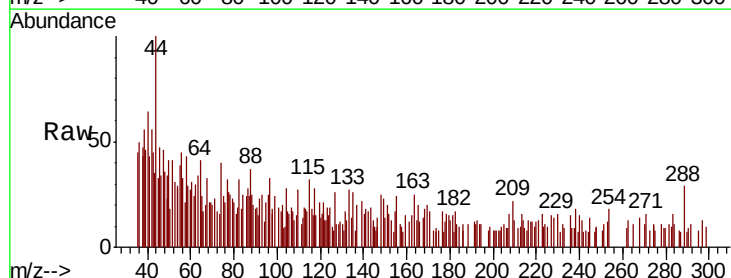
Tgt Ion: 88 Resp: 181

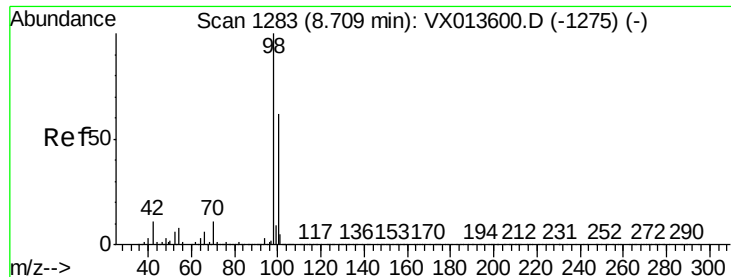
Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 92.3 54.6 82.0#

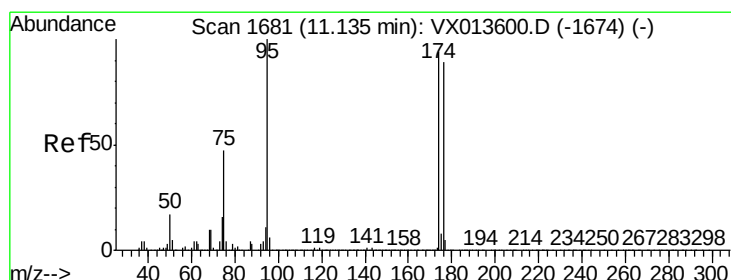
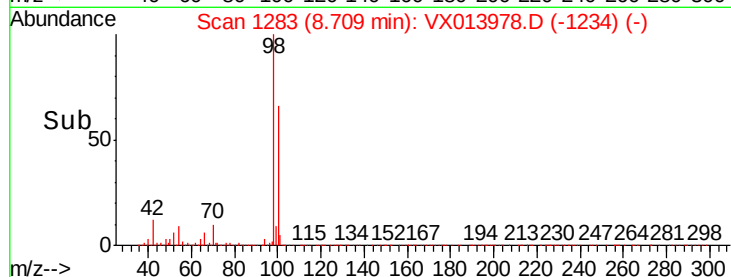
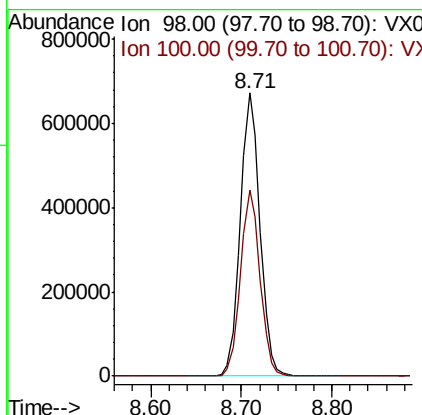
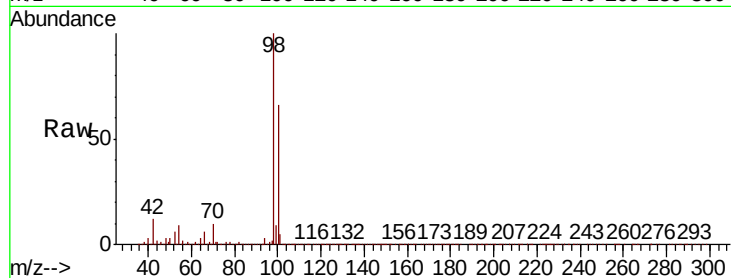




#50
Toluene-d8
Concen: 49.129 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013978.D
Acq: 12 Dec 2019 16:22

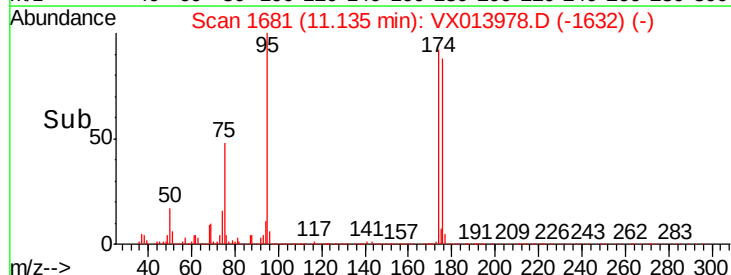
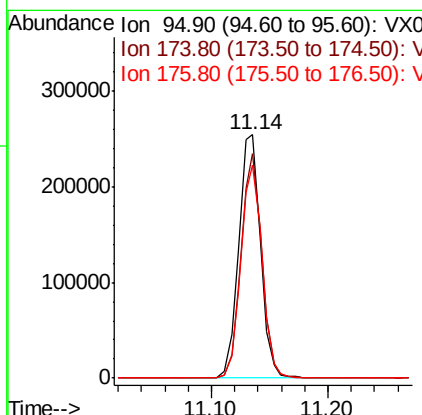
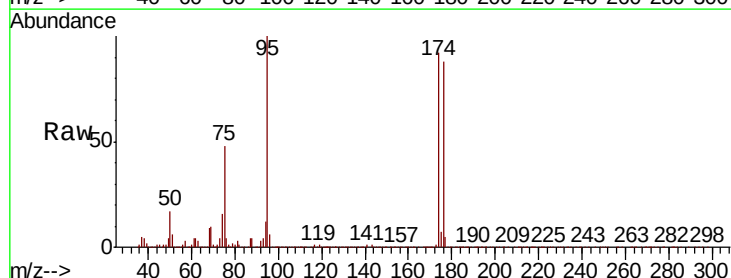
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ193I-20191208

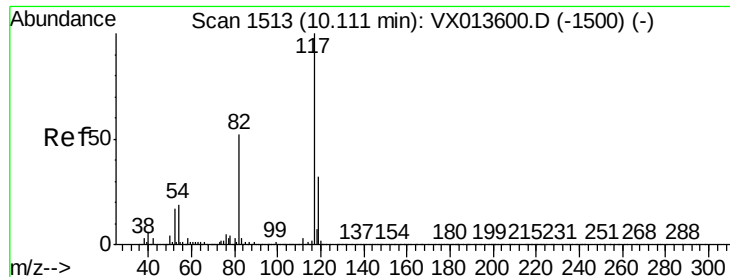
Tot Ion: 98 Resp: 1010565
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.919 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013978.D
Acq: 12 Dec 2019 16:22

Tgt Ion: 95 Resp: 333185
Ion Ratio Lower Upper
95 100
174 87.7 0.0 180.0
176 85.7 0.0 173.6

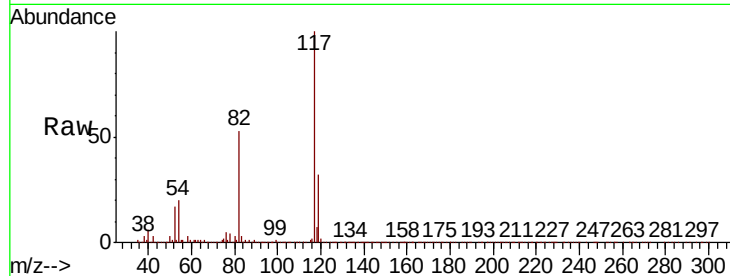




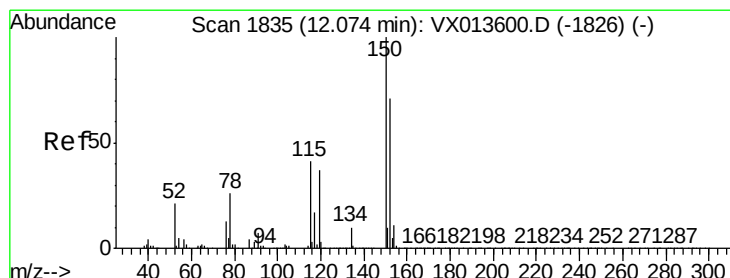
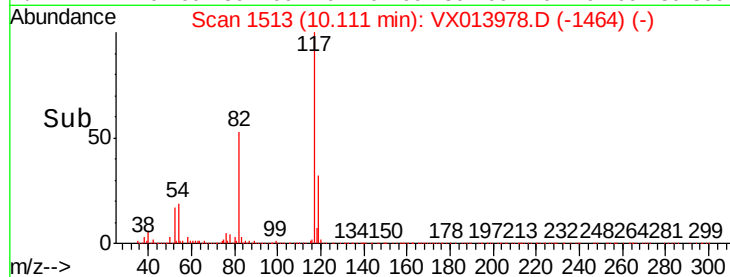
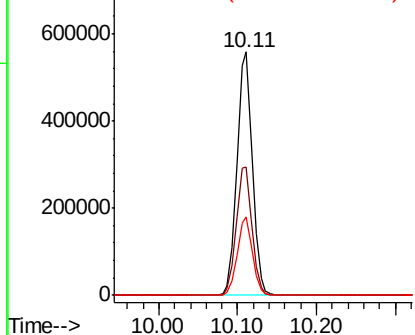
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013978.D
Acq: 12 Dec 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1931-20191208

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.8	62.8
119	32.2	25.8	38.8

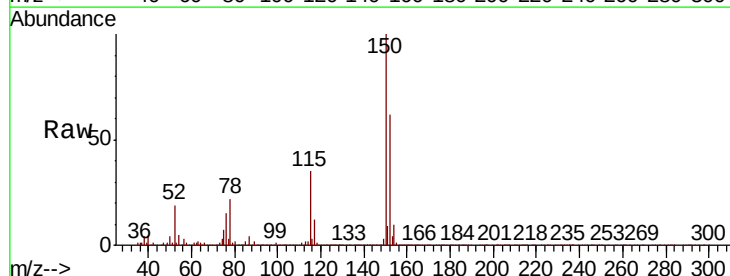


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

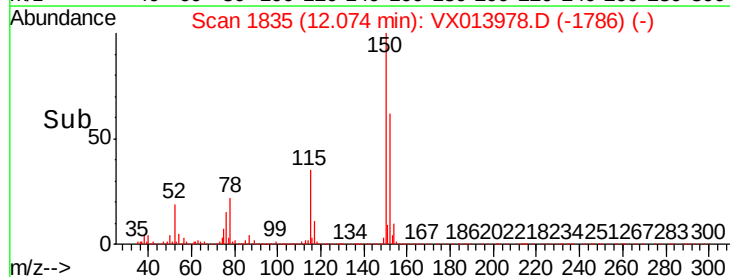
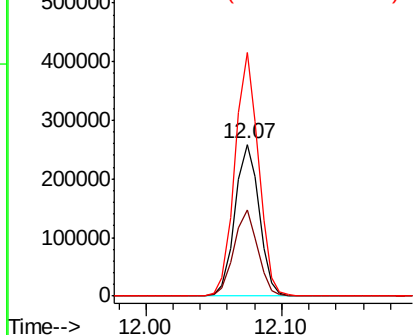


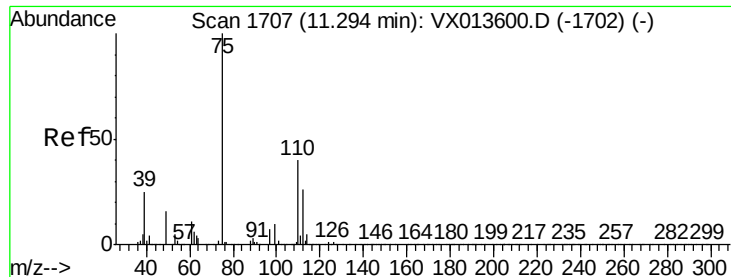
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013978.D
Acq: 12 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.4	115.1
150	155.9	0.0	346.8



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: 22.354 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

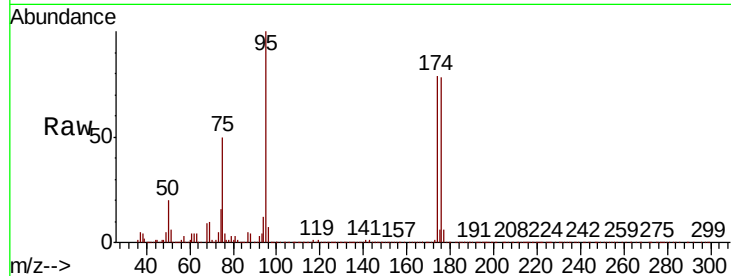
SA-PZ193I-20191208

Tot Ion: 75 Resp: 161362

Ion Ratio Lower Upper

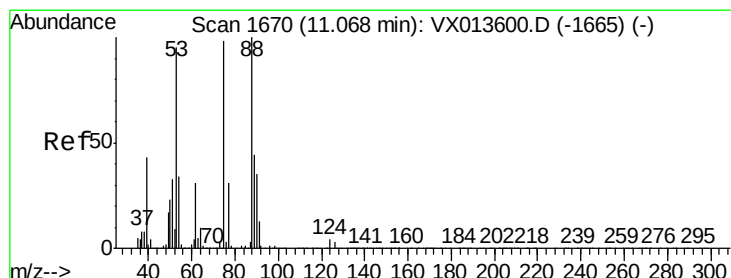
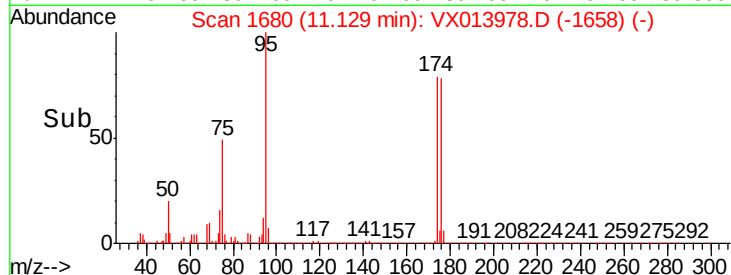
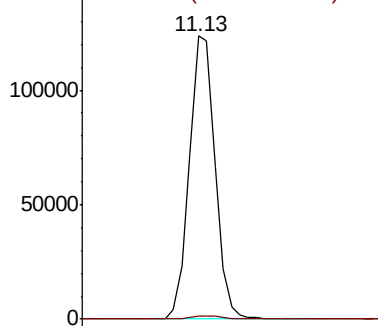
75 100

77 1.9 19.1 57.5#



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: 61.157 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013978.D

Acq: 12 Dec 2019 16:22

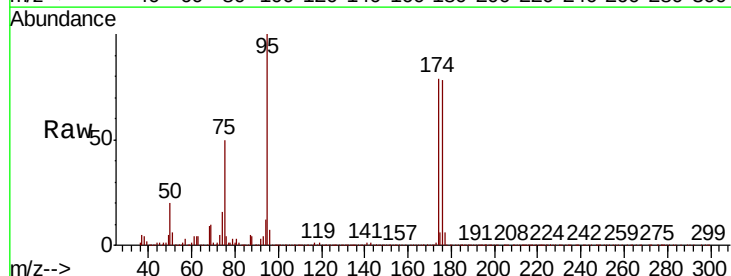
Tgt Ion: 75 Resp: 161362

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.1 35.4 53.2#



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

