

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011980.D
 Acq On : 01 Sep 2019 05:53
 Operator : SY/SP
 Sample : K4527-06
 Misc : 5.77g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-N1-(0)

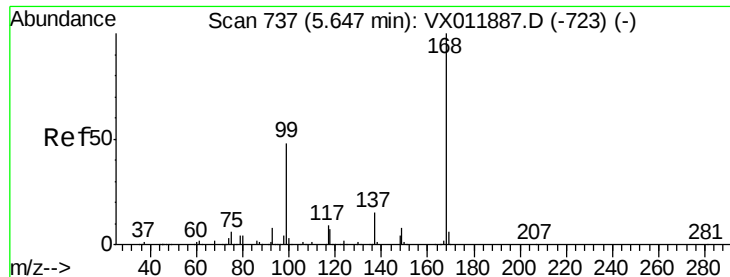
Quant Time: Sep 01 06:31:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	436266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	562926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	466086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	197461	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	178882	42.80	ug/l	0.00
Spiked Amount			Recovery	=	85.60%	
35) Dibromofluoromethane	5.48	113	165299	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
50) Toluene-d8	8.71	98	622183	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.14	95	203110	35.88	ug/l	0.00
Spiked Amount			Recovery	=	71.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	162	3.718	ug/l #	40
11) Tert butyl alcohol	3.02	59	690	1.716	ug/l	98
16) Acetone	2.42	43	2600	2.891	ug/l	100
20) Methylene Chloride	2.84	84	18230	Below Cal		96
29) Tetrahydrofuran	5.12	42	4646	5.683	ug/l #	81
31) Cyclohexane	5.65	56	7770	1.489	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	25569	5.733	ug/l #	51
38) Carbon Tetrachloride	5.64	117	36815	7.118	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	2955	1.087	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	100579	51.780	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	100579	130.080	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

Instrument :

MSVOA_X

ClientSampleId :

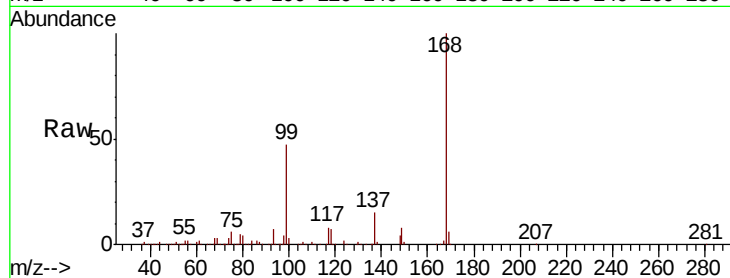
T9-12-13-N1-(0)

Tgt Ion:168 Resp: 436266

Ion Ratio Lower Upper

168 100

99 46.7 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

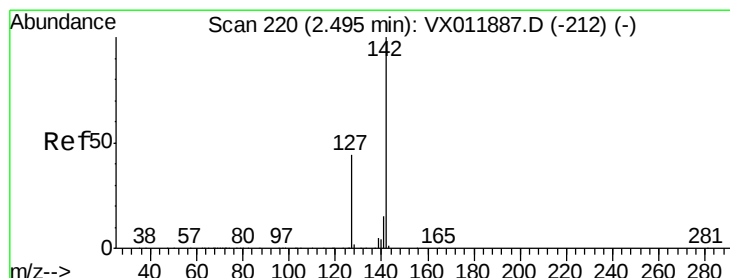
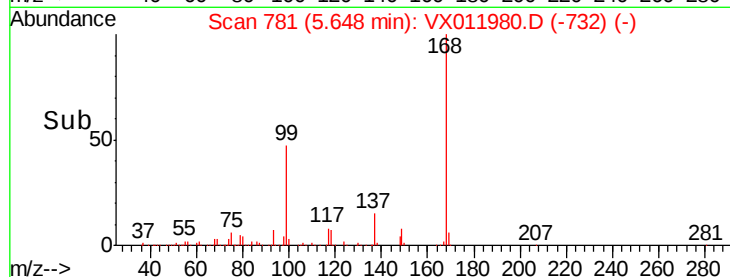
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 3.718 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

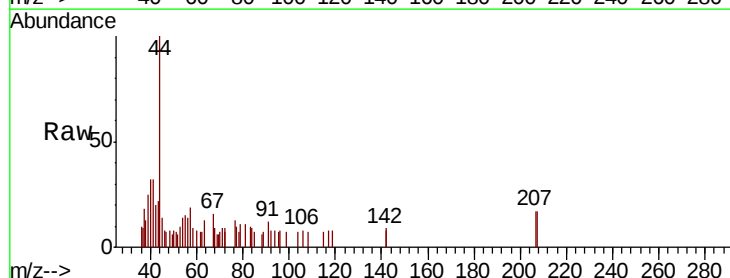
Tgt Ion:142 Resp: 162

Ion Ratio Lower Upper

142 100

127 0.0 35.7 53.5#

141 0.0 11.8 17.6#



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

200

150

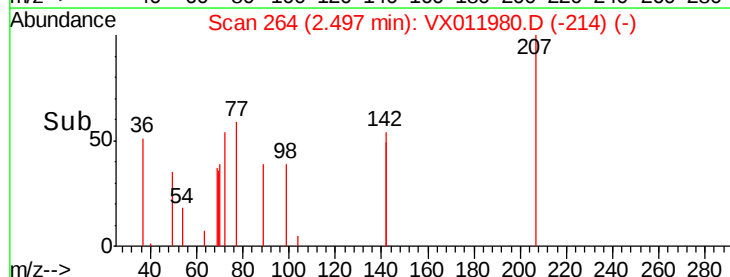
100

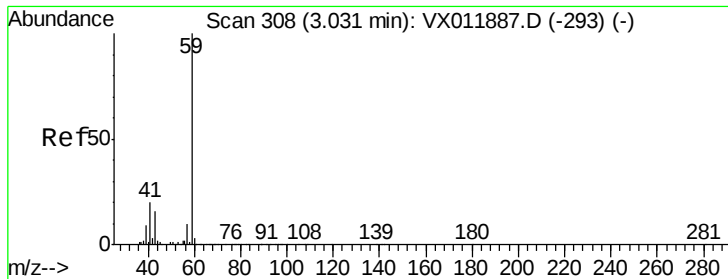
50

0

2.48 2.50 2.52 2.54

Time-->

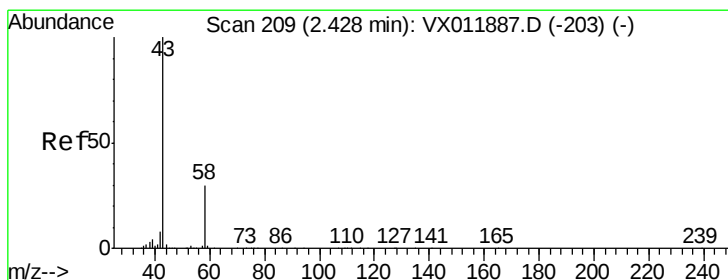
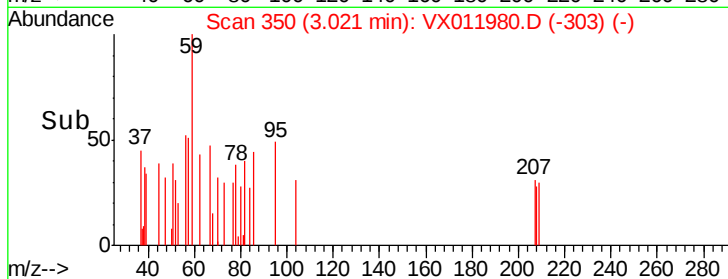
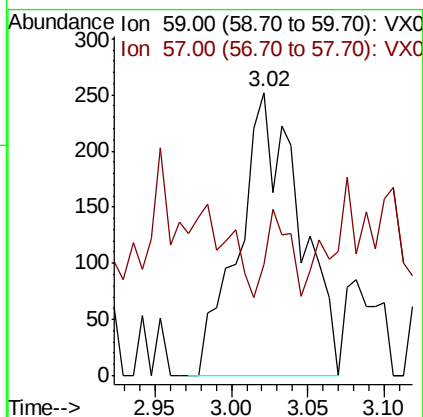
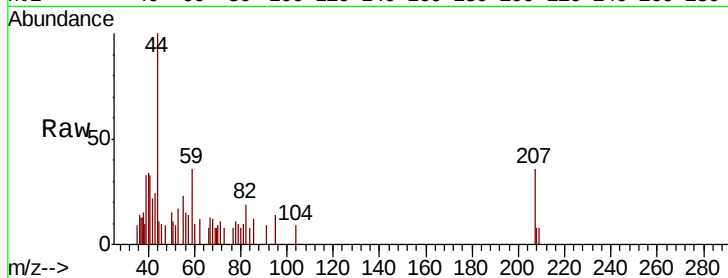




#11
Tert butyl alcohol
Concen: 1.716 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011980.D
Acq: 01 Sep 2019 05:53

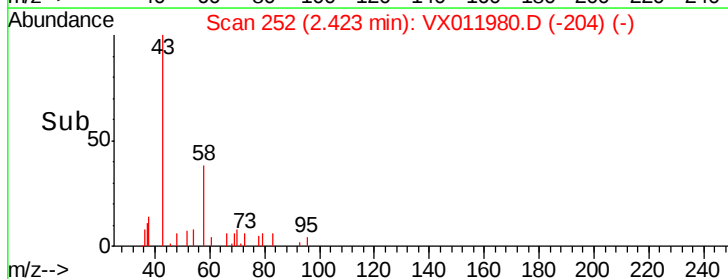
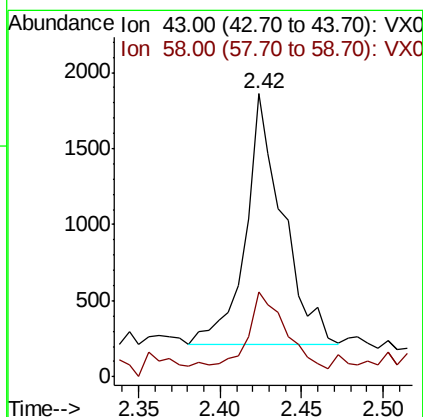
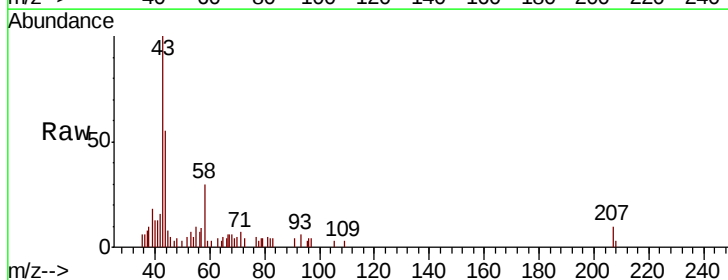
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N1-(0)

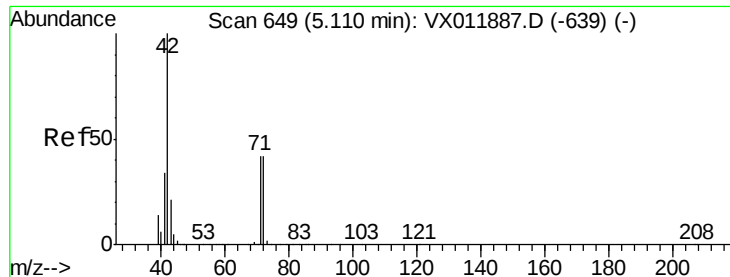
Tgt Ion: 59 Resp: 690
Ion Ratio Lower Upper
59 100
57 11.6 8.6 12.8



#16
Acetone
Concen: 2.891 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.00 min
Lab File: VX011980.D
Acq: 01 Sep 2019 05:53

Tgt Ion: 43 Resp: 2600
Ion Ratio Lower Upper
43 100
58 29.9 23.8 35.8

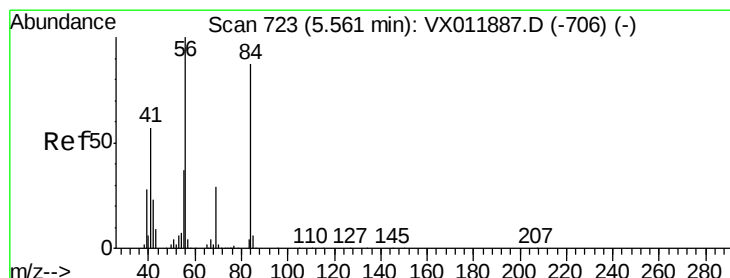
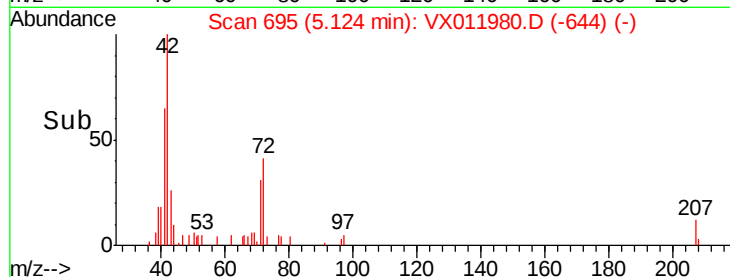
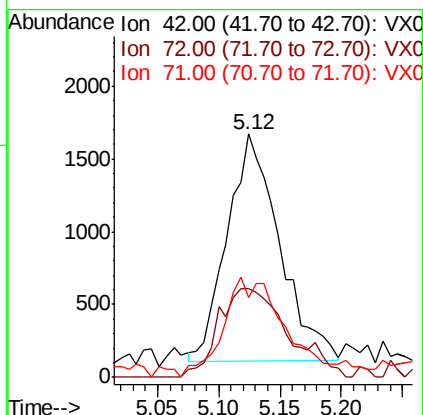
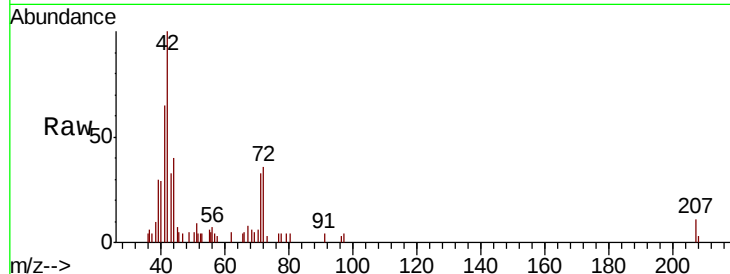




#29
Tetrahydrofuran
Concen: 5.683 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX011980.D
Acq: 01 Sep 2019 05:53

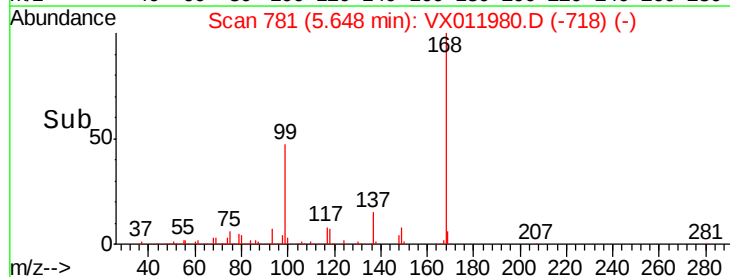
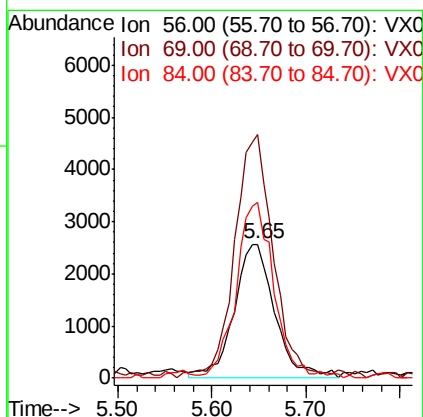
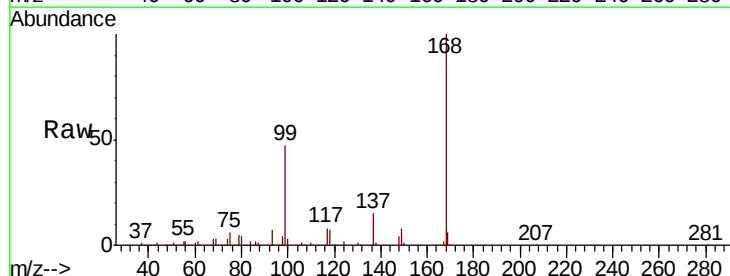
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N1-(0)

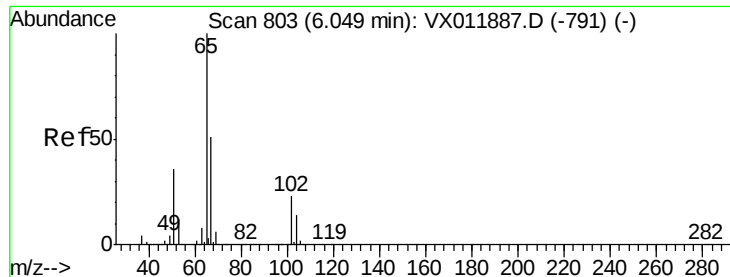
Tgt Ion: 42 Resp: 4646
Ion Ratio Lower Upper
42 100
72 51.8 36.2 54.4
71 22.6 33.1 49.7#



#31
Cyclohexane
Concen: 1.489 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX011980.D
Acq: 01 Sep 2019 05:53

Tgt Ion: 56 Resp: 7770
Ion Ratio Lower Upper
56 100
69 177.9 23.1 34.7#
84 128.5 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 42.796 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

Instrument :

MSVOA_X

ClientSampleId :

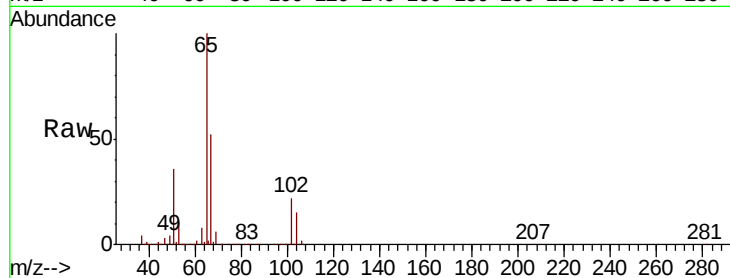
T9-12-13-N1-(0)

Tgt Ion: 65 Resp: 178882

Ion Ratio Lower Upper

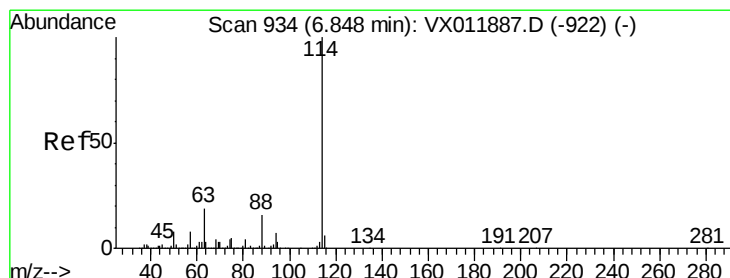
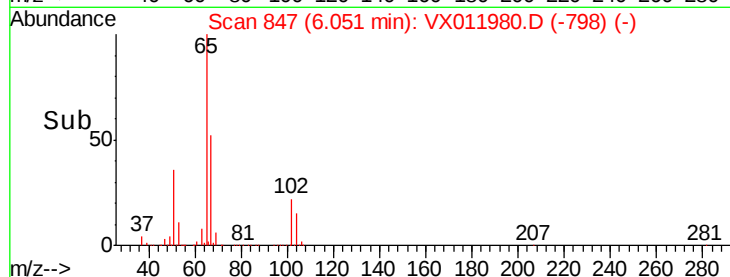
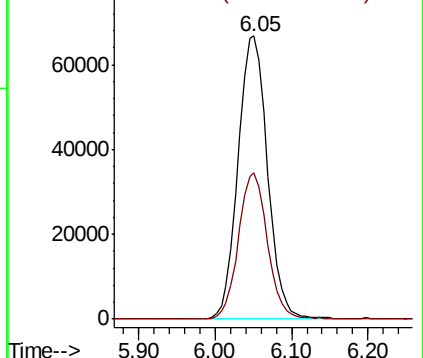
65 100

67 50.3 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

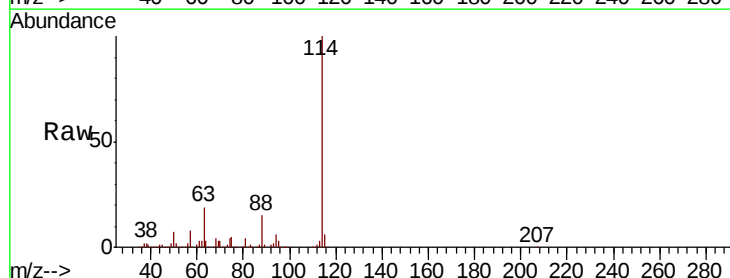
Tgt Ion: 114 Resp: 562926

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

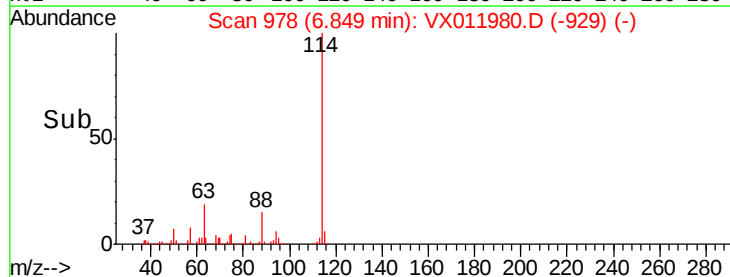
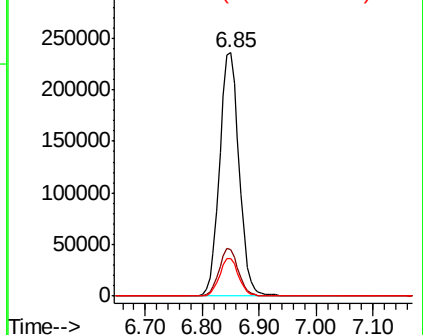
88 15.4 0.0 31.2

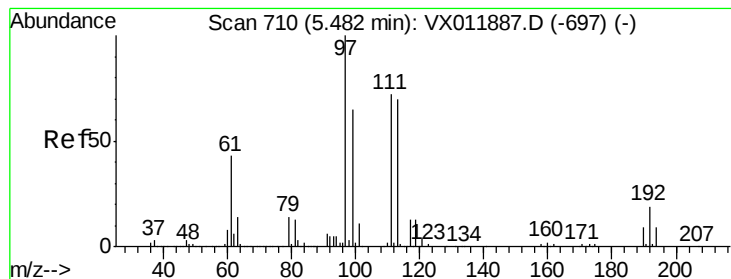


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.793 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-N1-(0)

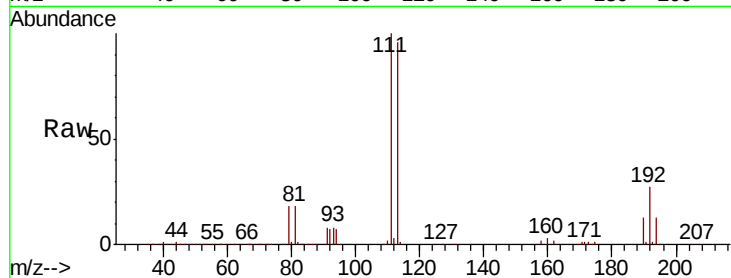
Tgt Ion:113 Resp: 165299

Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

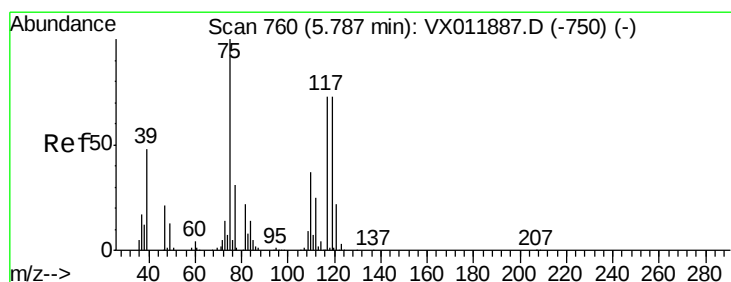
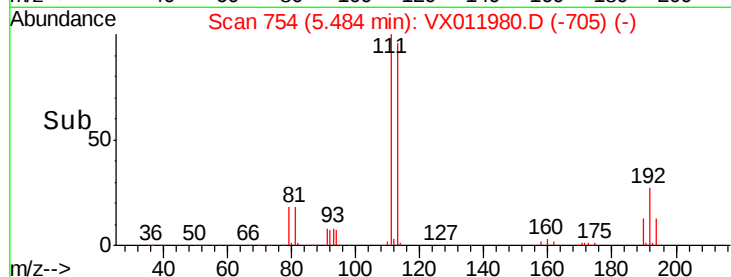
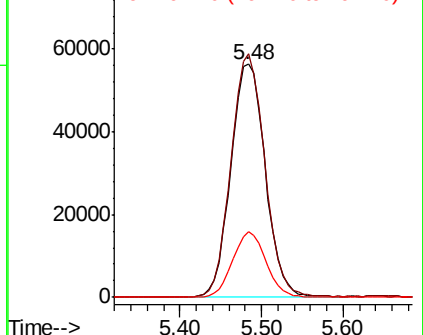
192 27.3 21.5 32.3



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: 5.733 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

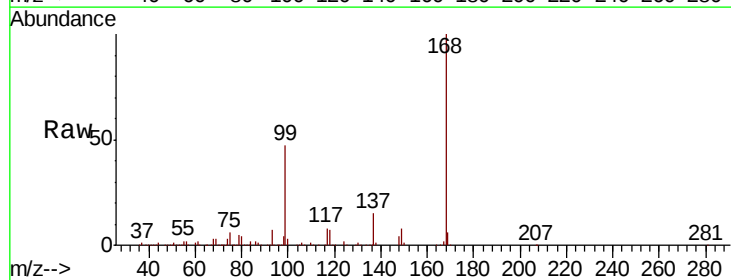
Tgt Ion: 75 Resp: 25569

Ion Ratio Lower Upper

75 100

110 11.4 19.1 57.3#

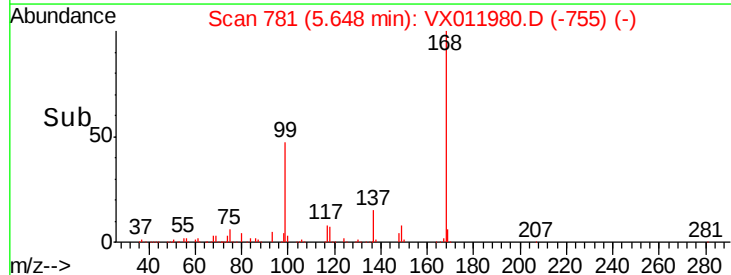
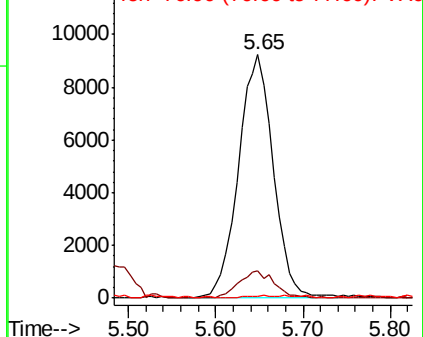
77 0.7 24.4 36.6#

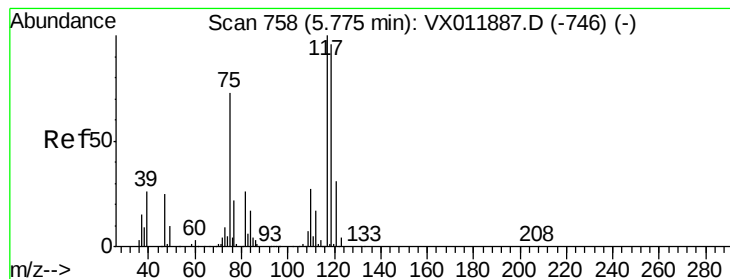


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.118 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011980.D

Acq: 01 Sep 2019 05:53

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-N1-(0)

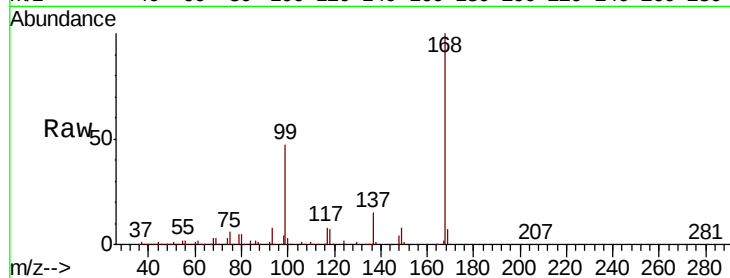
Tgt Ion:117 Resp: 36815

Ion Ratio Lower Upper

117 100

119 4.1 76.6 114.8#

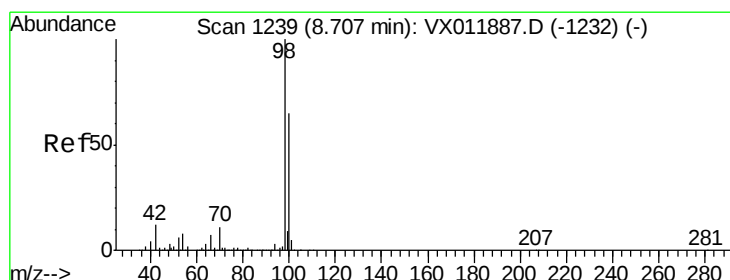
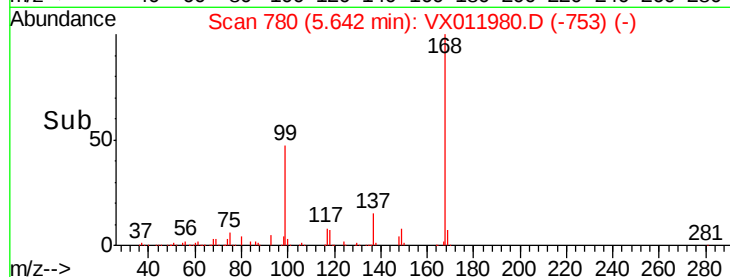
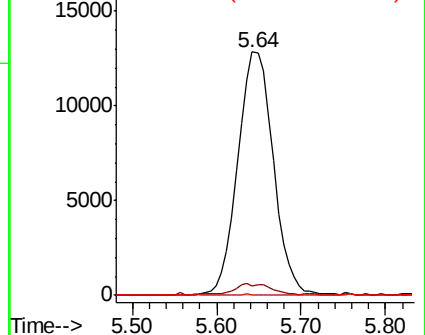
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.218 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011980.D

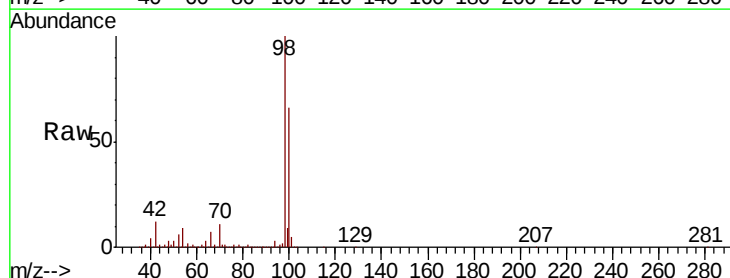
Acq: 01 Sep 2019 05:53

Tgt Ion: 98 Resp: 622183

Ion Ratio Lower Upper

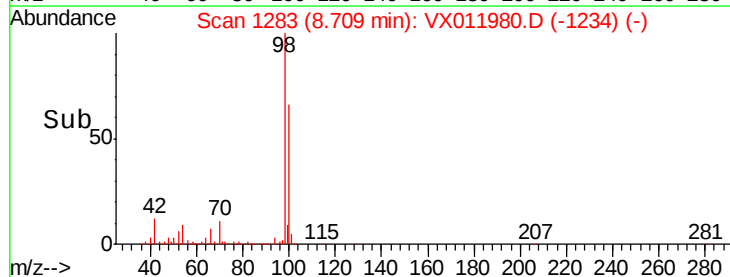
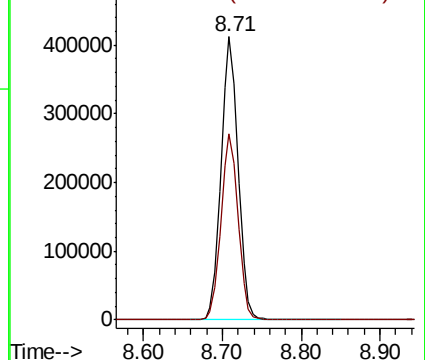
98 100

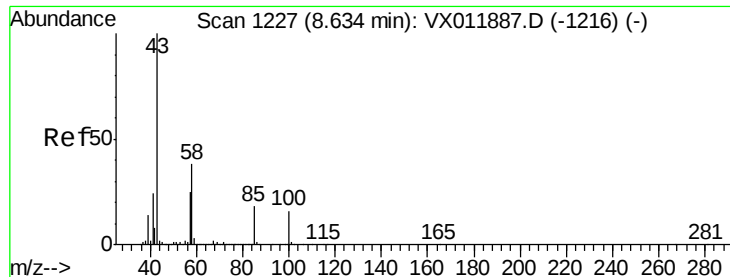
100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

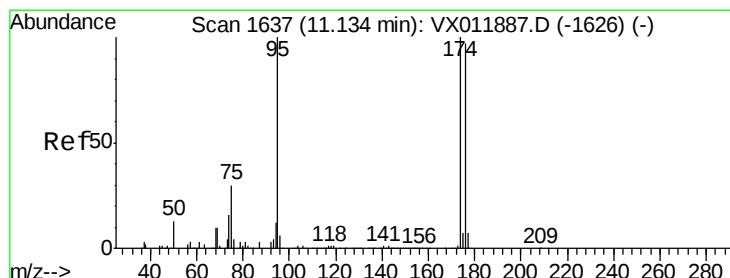
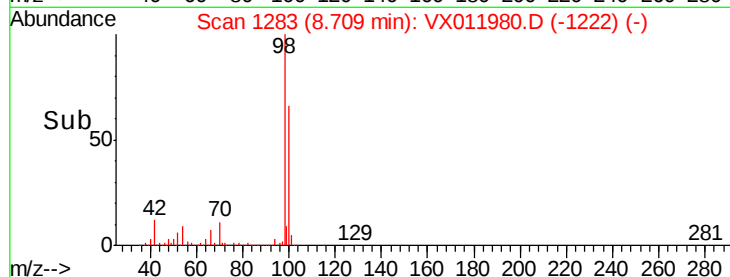
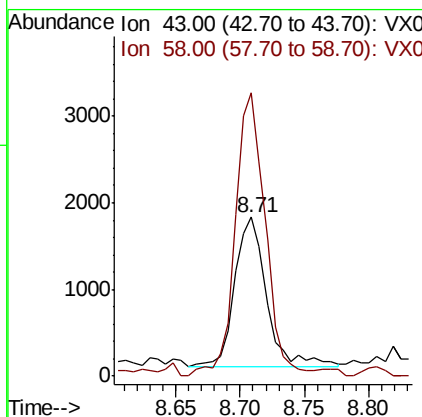
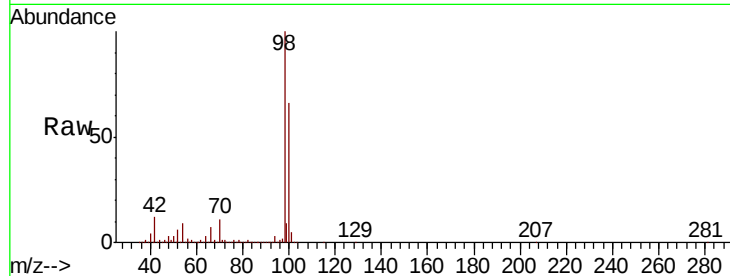




#51
 4-Methyl-2-Pentanone
 Concen: 1.087 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX011980.D
 Acq: 01 Sep 2019 05:53

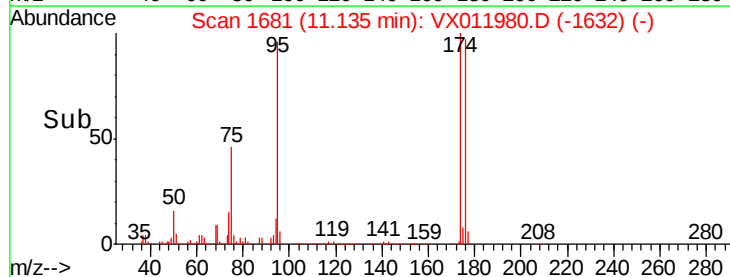
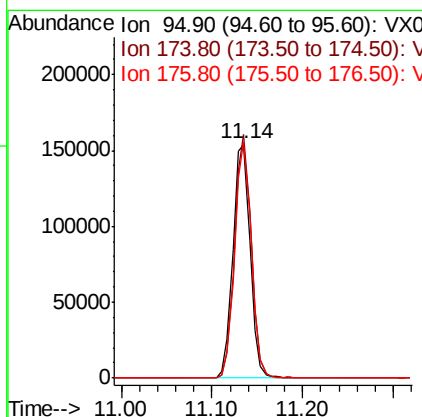
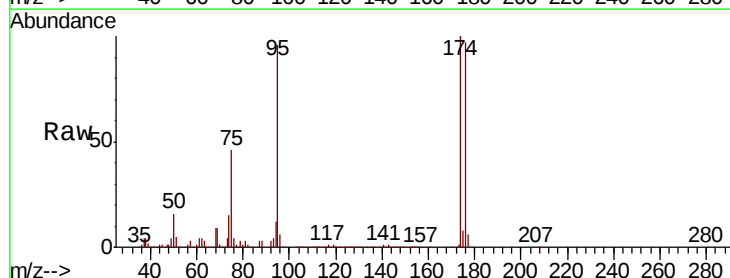
Instrument :
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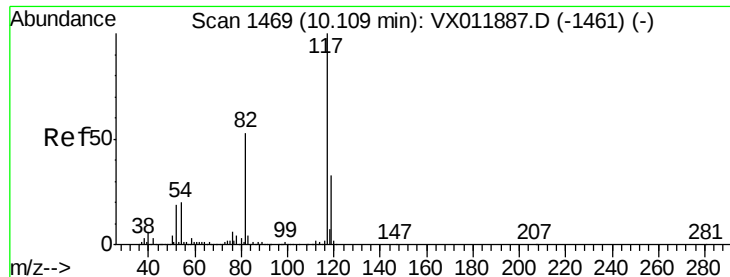
Tgt Ion: 43 Resp: 2955
 Ion Ratio Lower Upper
 43 100
 58 178.4 30.9 46.3#



#62
 4-Bromofluorobenzene
 Concen: 35.883 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX011980.D
 Acq: 01 Sep 2019 05:53

Tgt Ion: 95 Resp: 203110
 Ion Ratio Lower Upper
 95 100
 174 100.5 0.0 196.0
 176 97.7 0.0 191.4

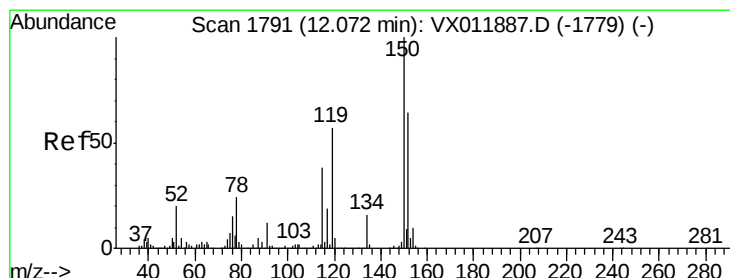
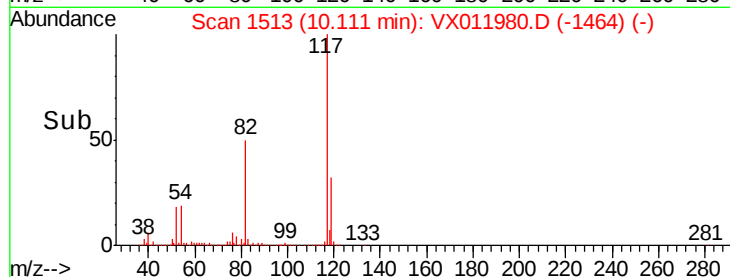
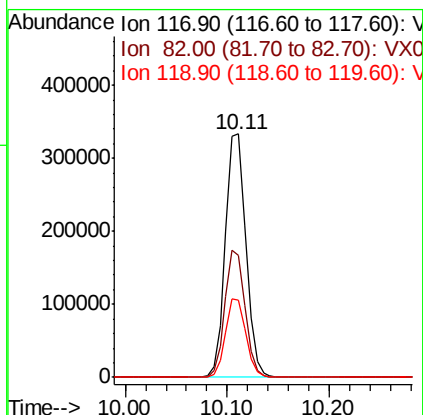
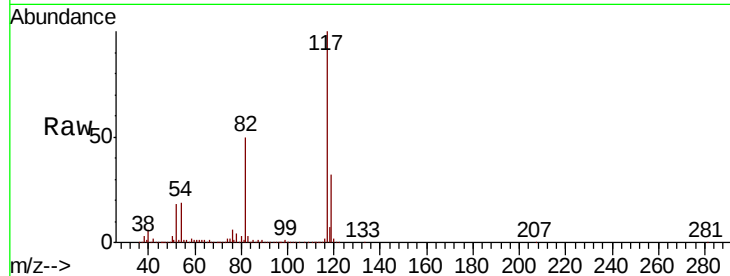




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011980.D
Acq: 01 Sep 2019 05:53

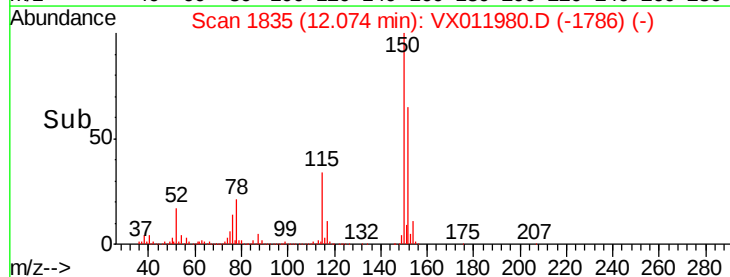
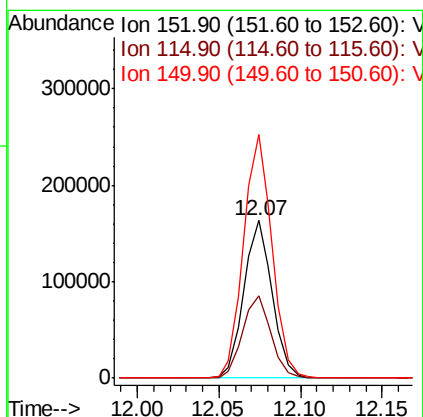
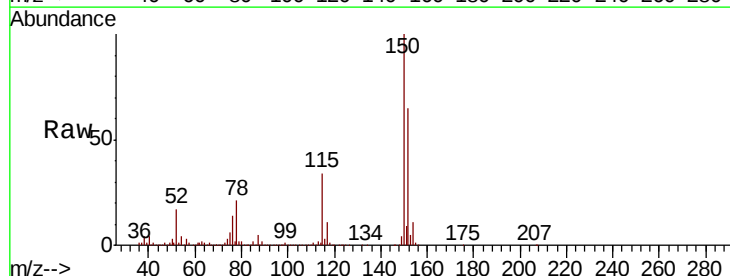
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-N1-(0)

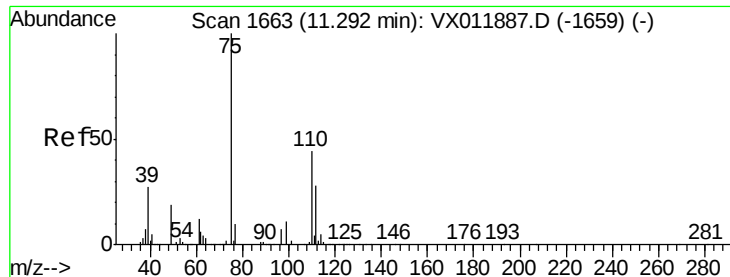
Tgt Ion:117 Resp: 466086
Ion Ratio Lower Upper
117 100
82 50.3 42.0 63.0
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011980.D
Acq: 01 Sep 2019 05:53

Tgt Ion:152 Resp: 197461
Ion Ratio Lower Upper
152 100
115 52.8 37.1 111.3
150 155.6 0.0 339.6

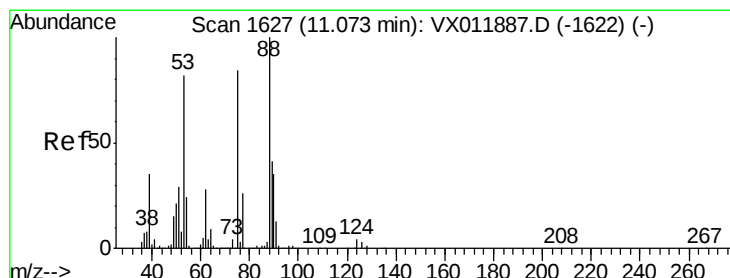
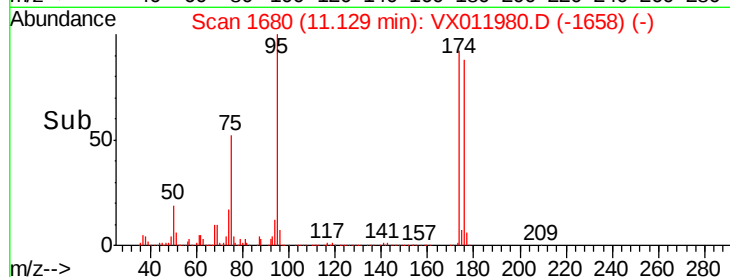
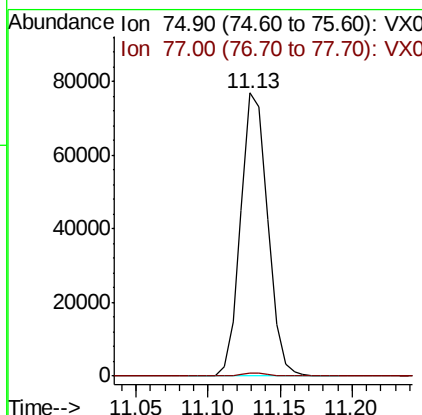
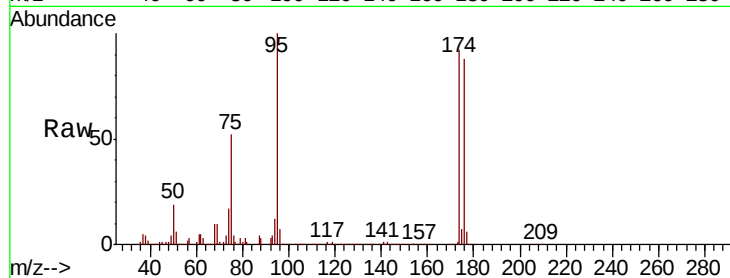




#76
 1,2,3-Trichloropropane
 Concen: 51.780 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX011980.D
 Acq: 01 Sep 2019 05:53

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-N1-(0)

Tgt Ion: 75 Resp: 100579
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.080 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011980.D
 Acq: 01 Sep 2019 05:53

Tgt Ion: 75 Resp: 100579
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.1 115.7#
 89 0.0 38.2 57.2#

