

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011978.D
 Acq On : 01 Sep 2019 04:57
 Operator : SY/SP
 Sample : K4527-03
 Misc : 5.43g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 01 06:14:02 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	412084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	530970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	466486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	225090	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	169347	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	
35) Dibromofluoromethane	5.48	113	156468	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	8.71	98	598096	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.14	95	213028	39.90	ug/l	0.00
Spiked Amount			Recovery	=	79.80%	

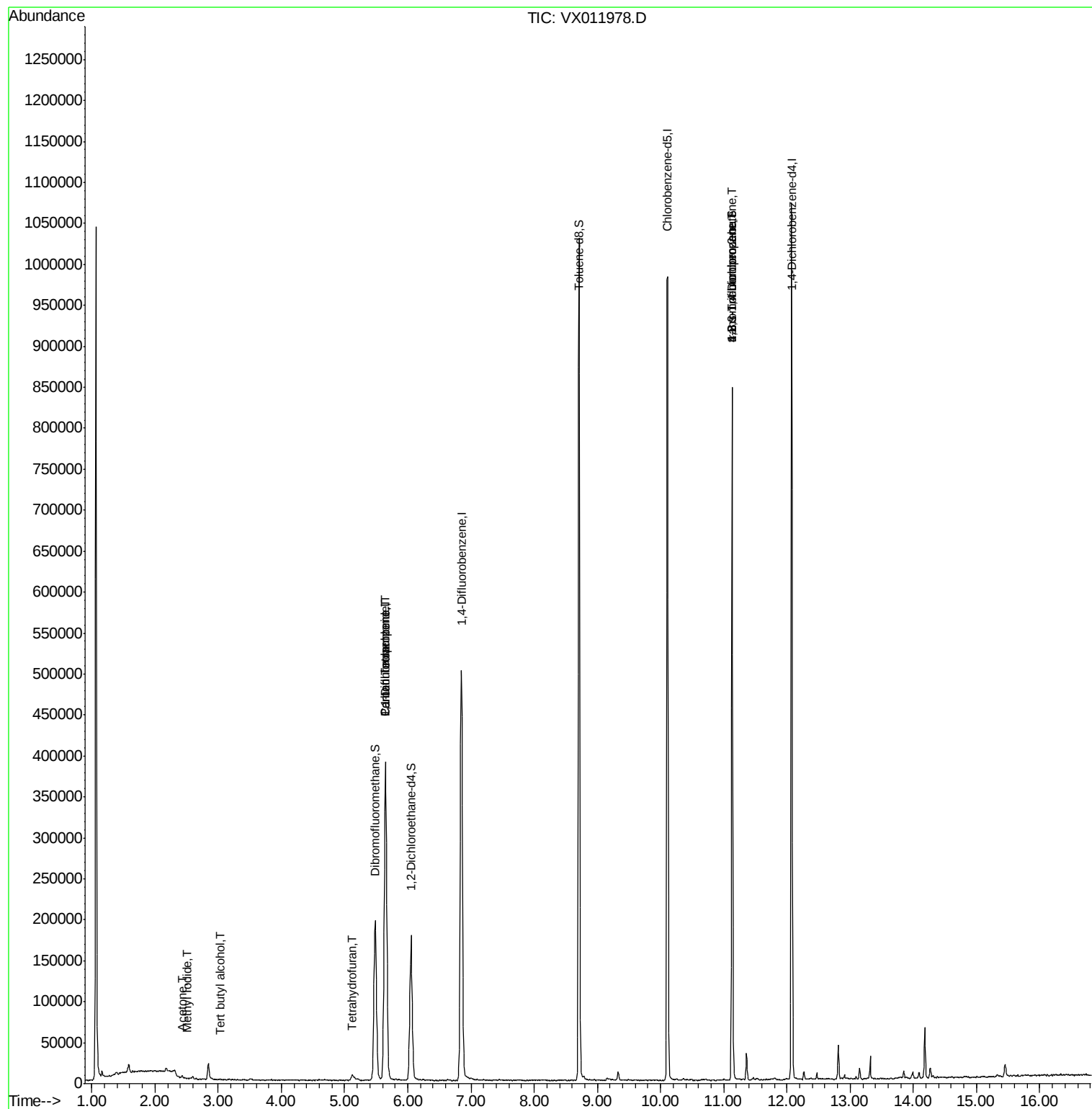
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	129	3.711	ug/l	91
11) Tert butyl alcohol	3.04	59	773	2.035	ug/l #	72
16) Acetone	2.43	43	2432	2.863	ug/l	89
20) Methylene Chloride	2.84	84	9517	Below Cal		95
29) Tetrahydrofuran	5.12	42	6002	7.772	ug/l #	93
36) 1,1-Dichloropropene	5.64	75	24857	5.909	ug/l #	51
38) Carbon Tetrachloride	5.64	117	34743	7.121	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	105859	47.809	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	105859	120.104	ug/l #	11

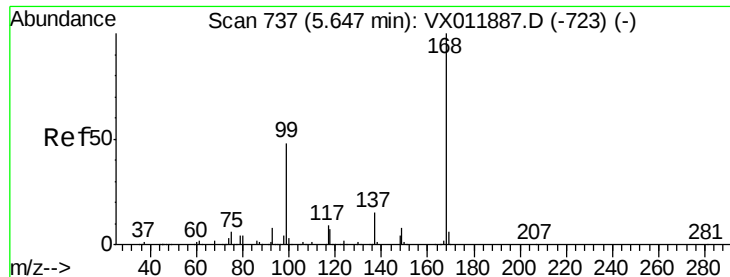
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
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T9-12-13-M-(0)

Quant Time: Sep 01 06:14:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 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: VX011978.D

Acq: 01 Sep 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

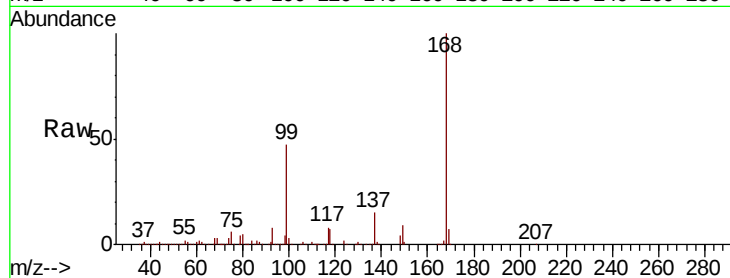
T9-12-13-M-(0)

Tgt Ion:168 Resp: 412084

Ion Ratio Lower Upper

168 100

99 46.5 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

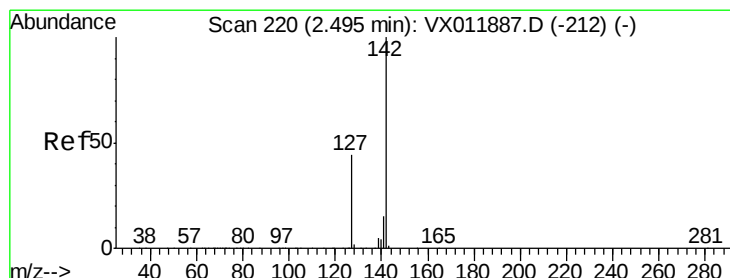
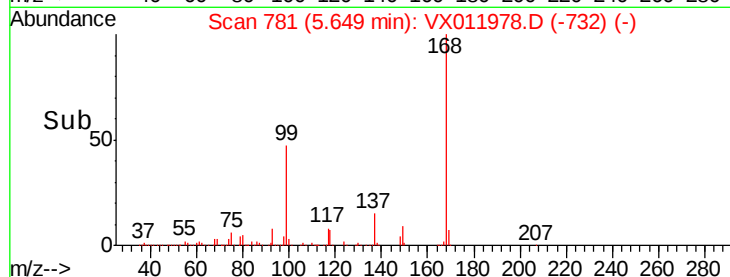
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 3.711 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

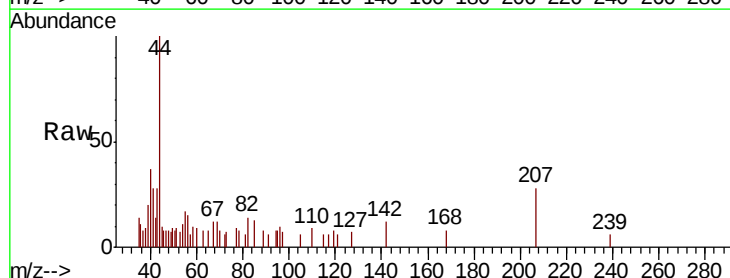
Tgt Ion:142 Resp: 129

Ion Ratio Lower Upper

142 100

127 37.2 35.7 53.5

141 16.3 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

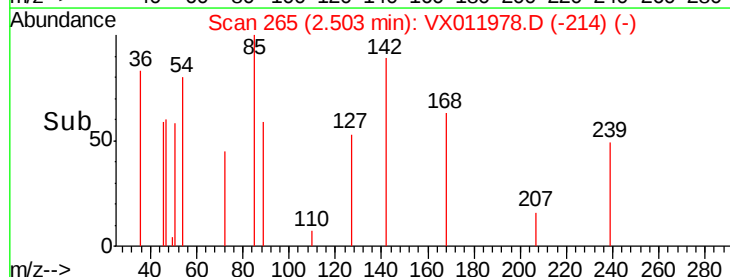
100

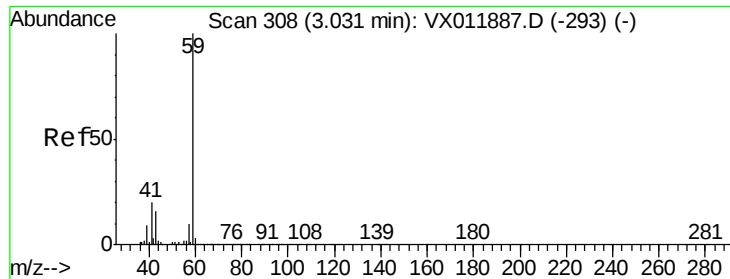
50

0

2.48 2.50 2.52

Time-->

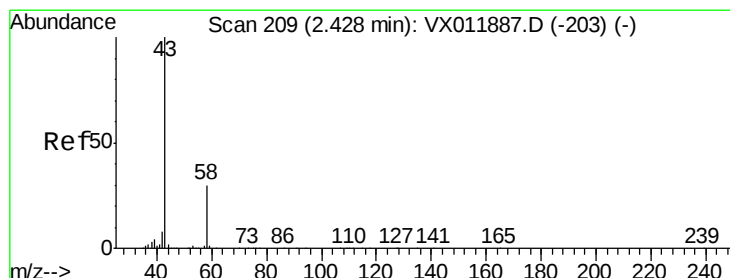
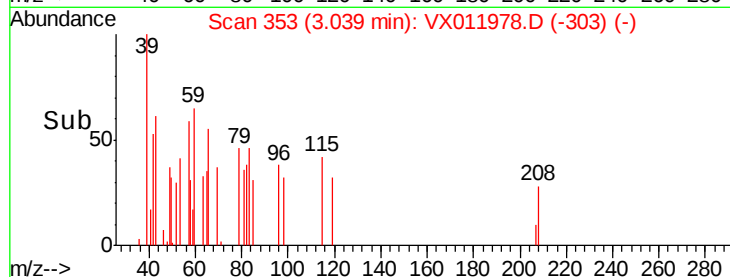
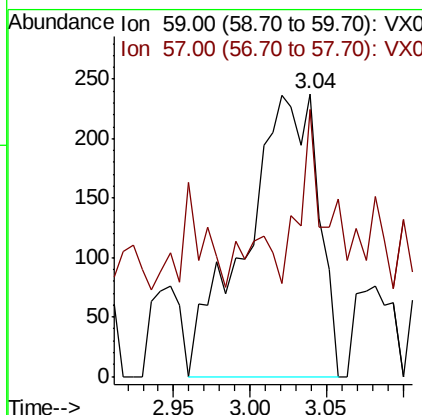
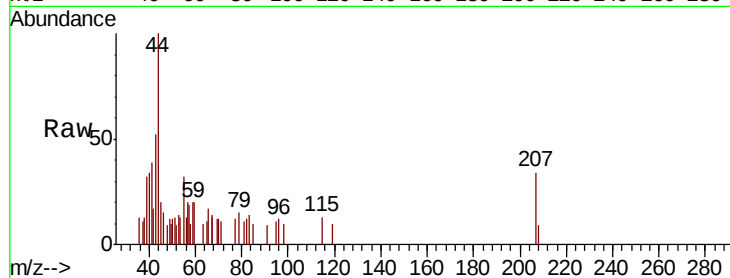




#11
Tert butyl alcohol
Concen: 2.035 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX011978.D
Acq: 01 Sep 2019 04:57

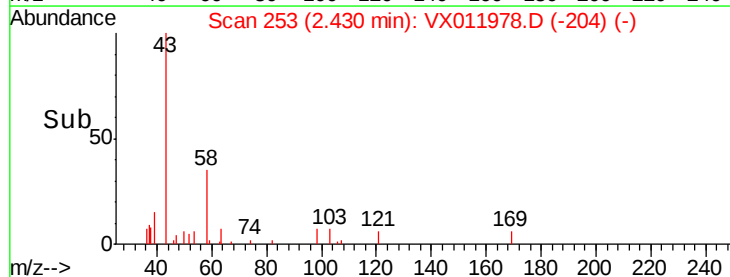
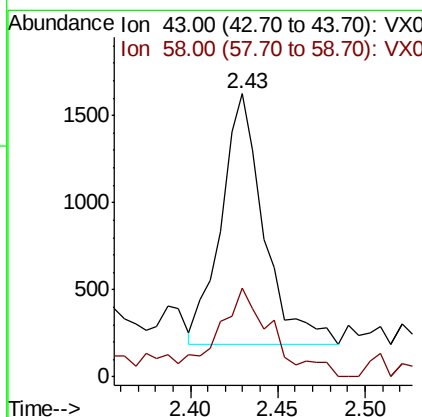
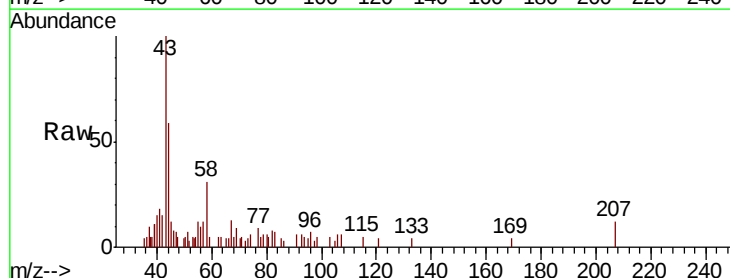
Instrument :
MSVOA_X
ClientSampled :
T9-12-13-M-(0)

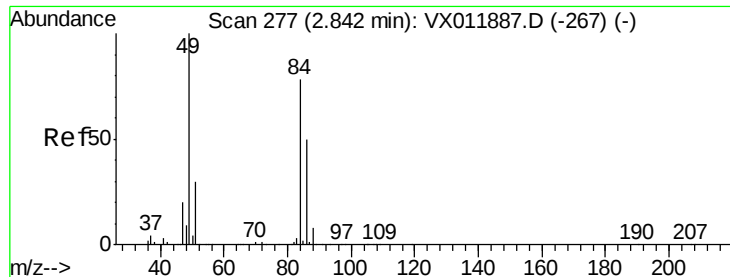
Tgt Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
57 21.3 8.6 12.8#



#16
Acetone
Concen: 2.863 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011978.D
Acq: 01 Sep 2019 04:57

Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 35.6 23.8 35.8

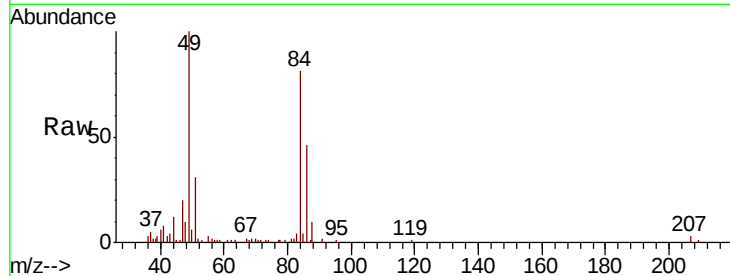




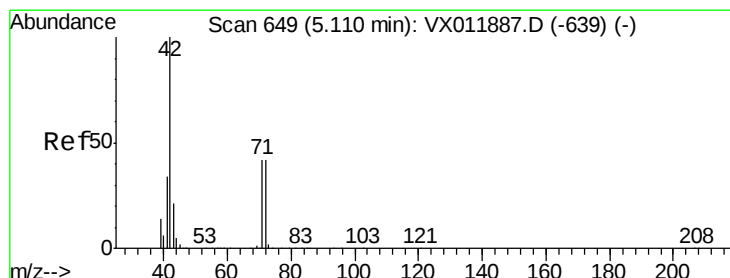
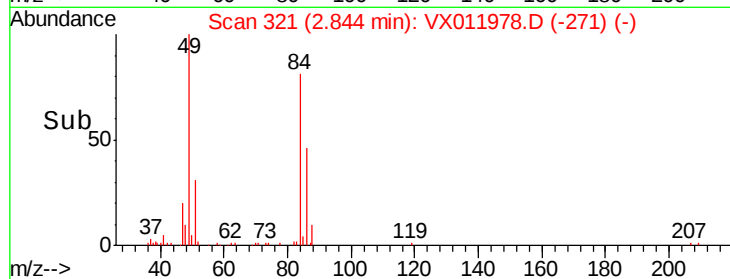
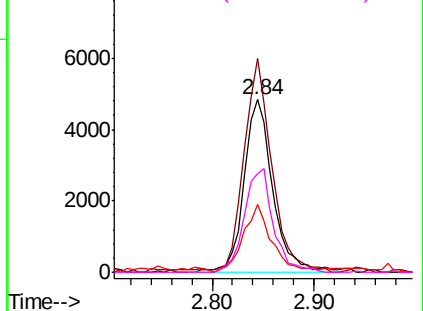
#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011978.D
Acq: 01 Sep 2019 04:57

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

Tgt Ion: 84 Resp: 9517
Ion Ratio Lower Upper
84 100
49 123.6 103.0 154.4
51 37.5 30.8 46.2
86 56.7 51.3 76.9

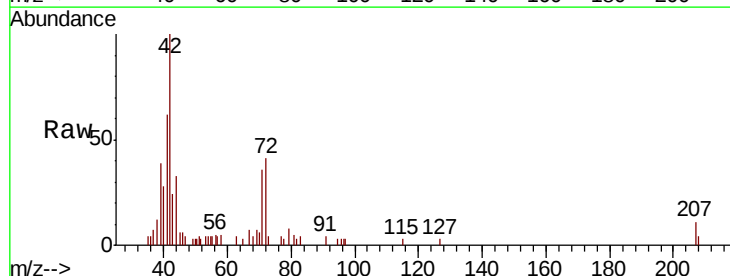


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

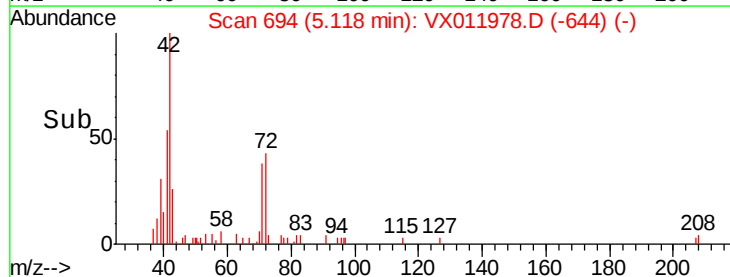
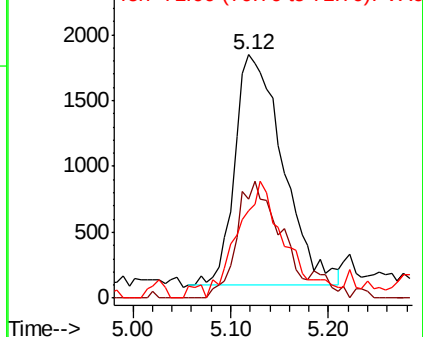


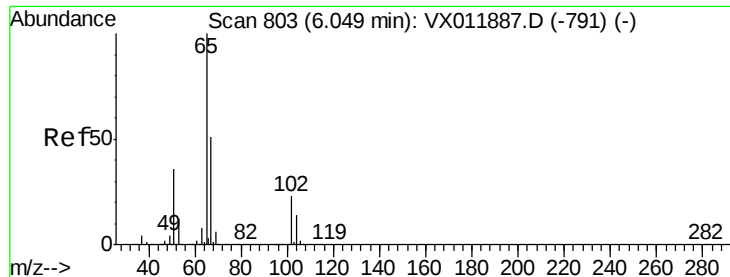
#29
Tetrahydrofuran
Concen: 7.772 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX011978.D
Acq: 01 Sep 2019 04:57

Tgt Ion: 42 Resp: 6002
Ion Ratio Lower Upper
42 100
72 45.5 36.2 54.4
71 50.7 33.1 49.7#



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

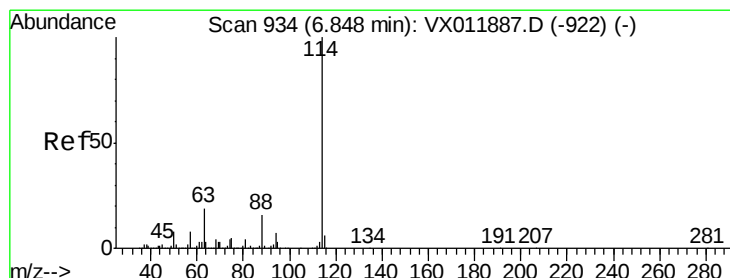
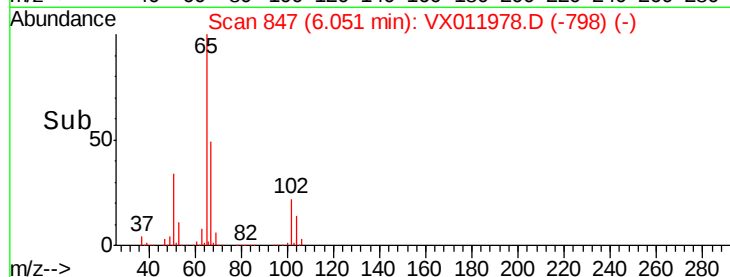
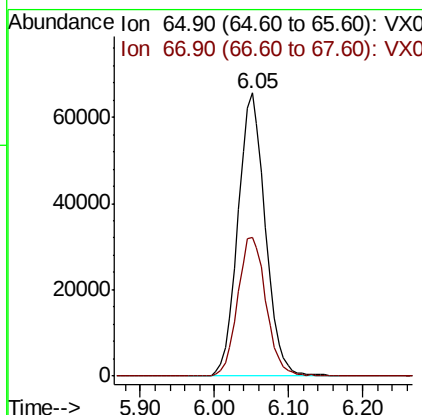
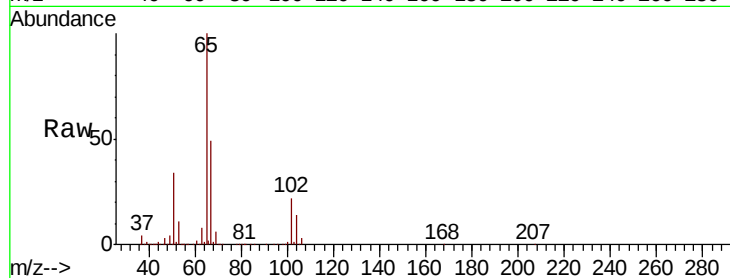




#33
 1,2-Dichloroethane-d4
 Concen: 42.892 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011978.D
 Acq: 01 Sep 2019 04:57

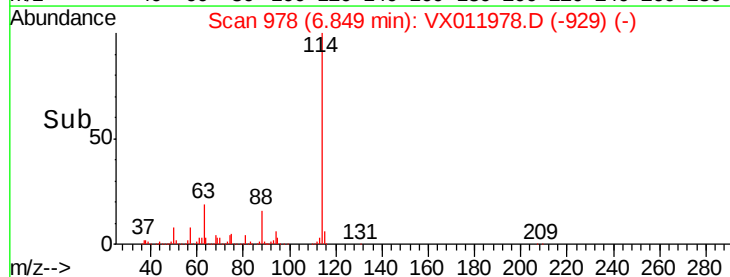
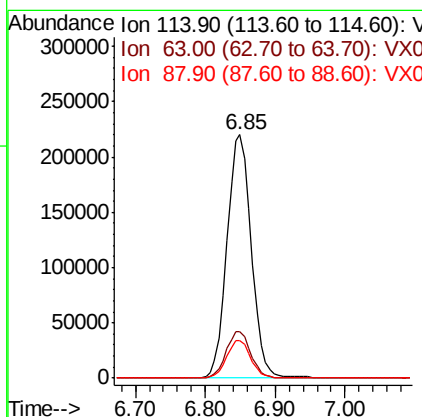
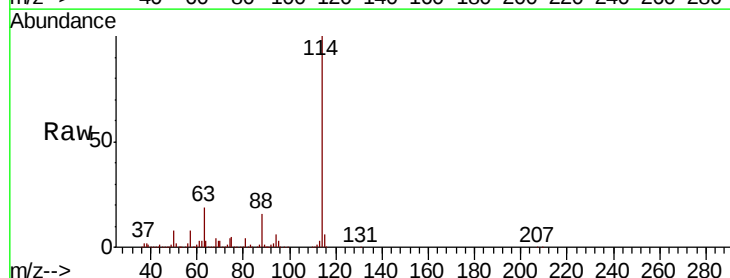
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-M-(0)

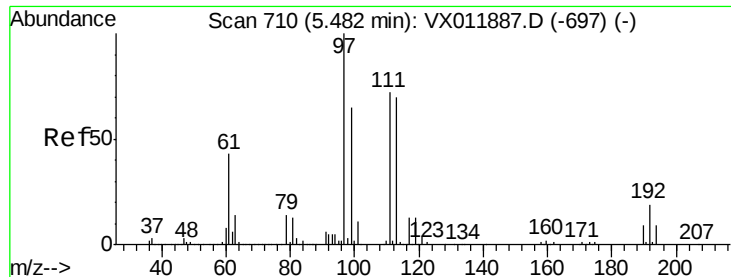
Tgt Ion: 65 Resp: 169347
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011978.D
 Acq: 01 Sep 2019 04:57

Tgt Ion: 114 Resp: 530970
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.8
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.955 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-M-(0)

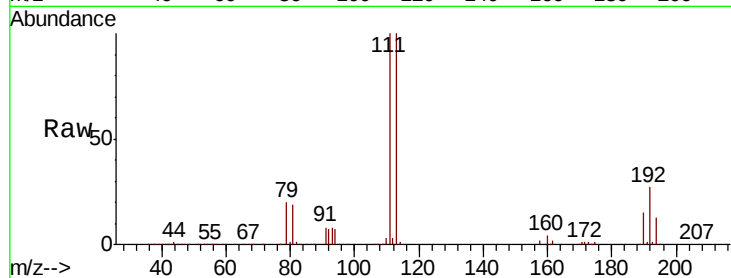
Tgt Ion:113 Resp: 156468

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

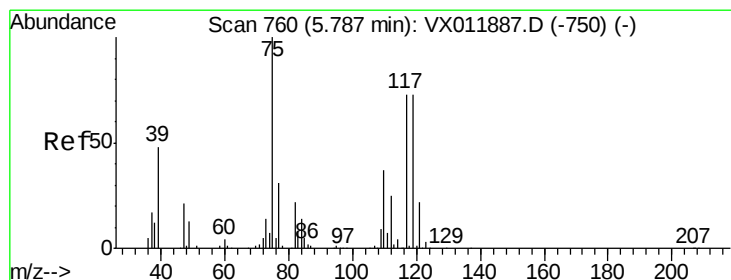
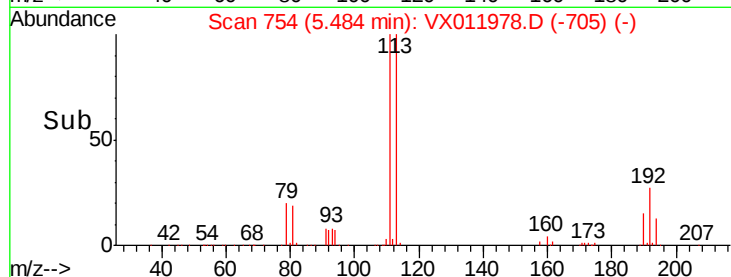
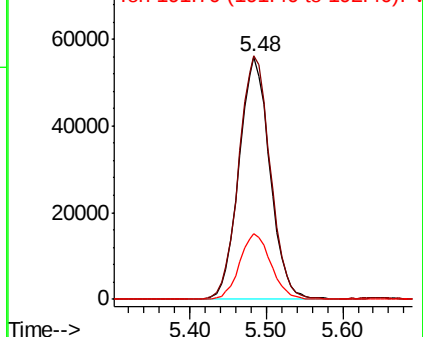
192 27.5 21.5 32.3



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: 5.909 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

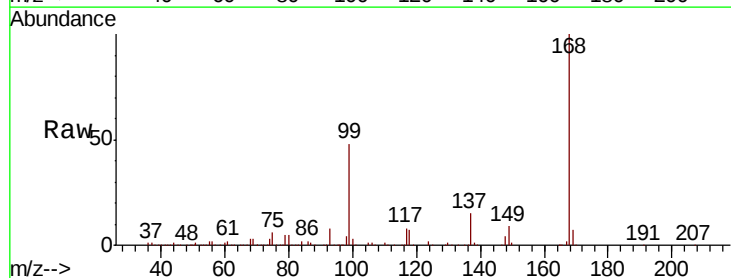
Tgt Ion: 75 Resp: 24857

Ion Ratio Lower Upper

75 100

110 11.4 19.1 57.3#

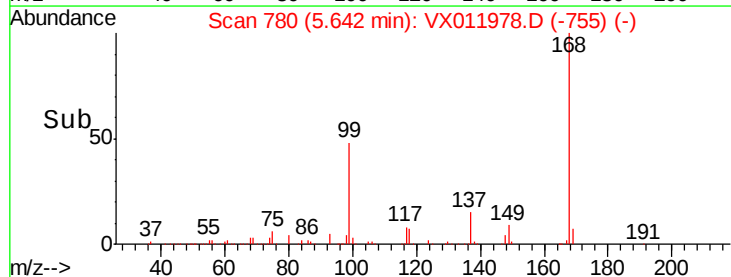
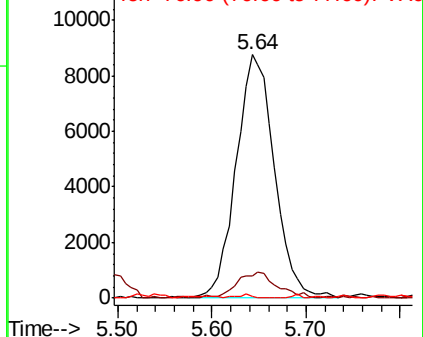
77 0.6 24.4 36.6#

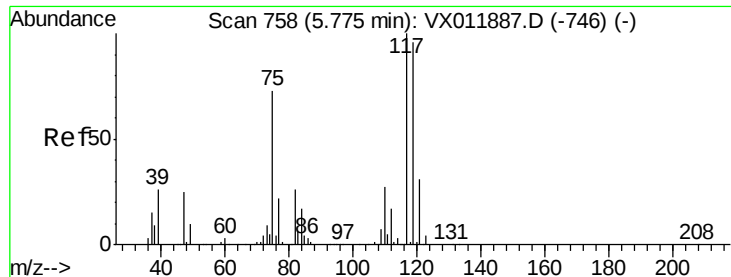


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.121 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-M-(0)

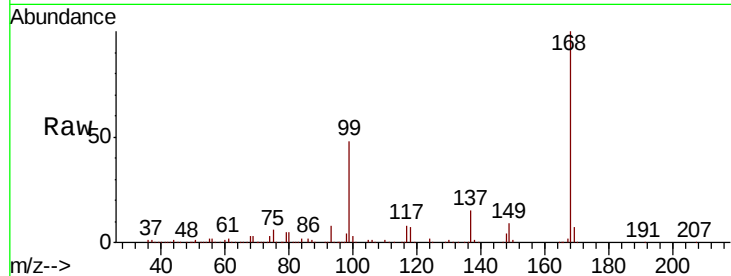
Tgt Ion:117 Resp: 34743

Ion Ratio Lower Upper

117 100

119 5.2 76.6 114.8#

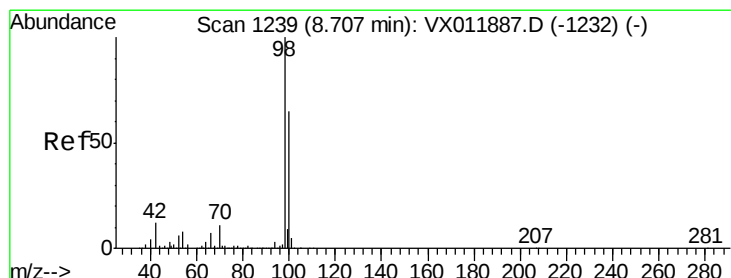
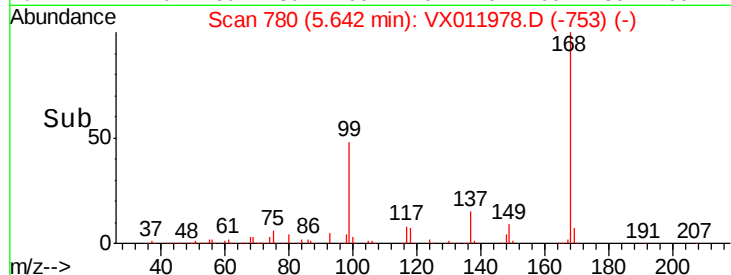
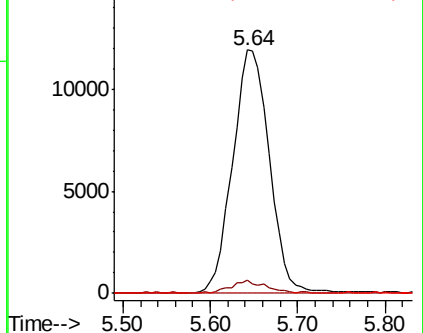
121 0.0 24.7 37.1#



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: 49.141 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011978.D

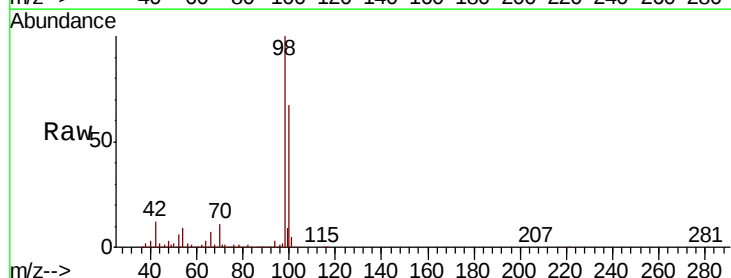
Acq: 01 Sep 2019 04:57

Tgt Ion: 98 Resp: 598096

Ion Ratio Lower Upper

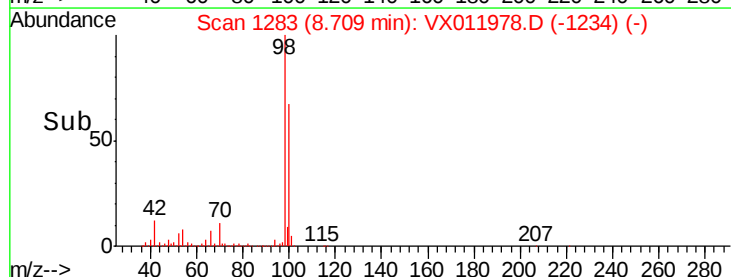
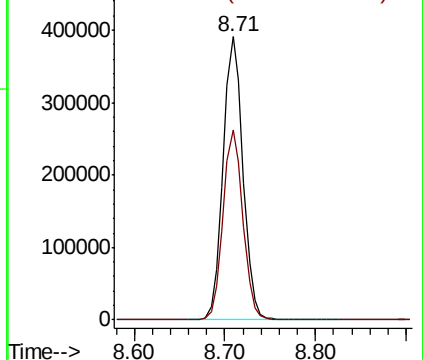
98 100

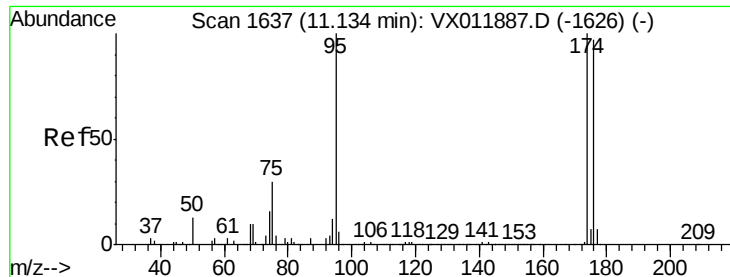
100 66.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 39.900 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-M-(0)

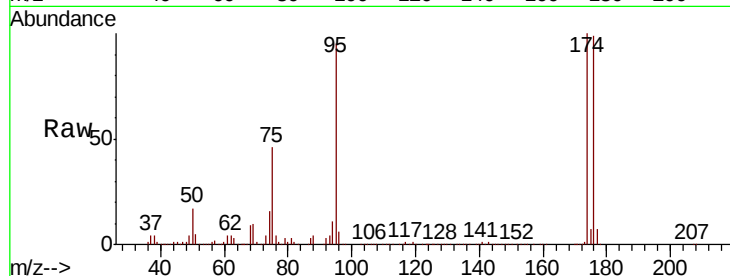
Tgt Ion: 95 Resp: 213028

Ion Ratio Lower Upper

95 100

174 100.5 0.0 196.0

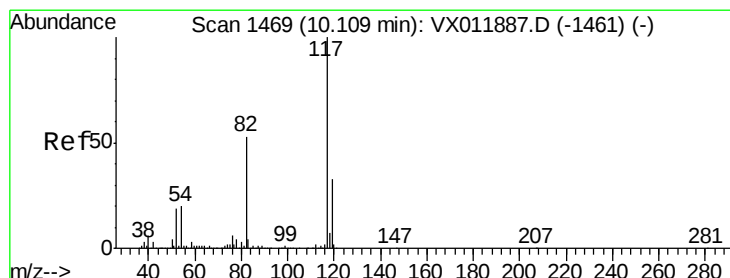
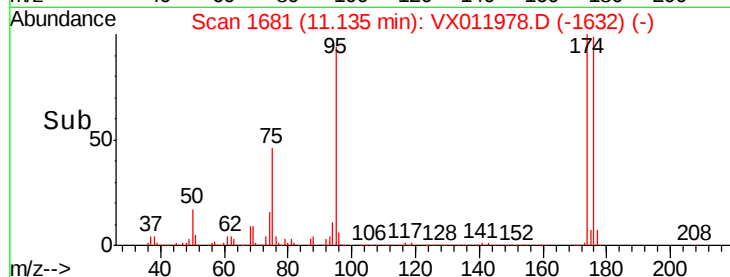
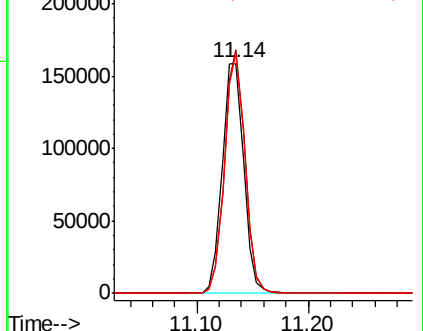
176 98.3 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

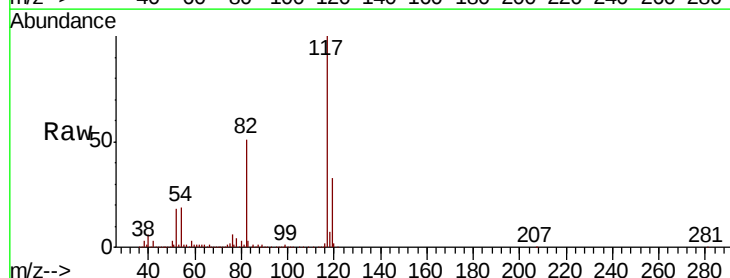
Tgt Ion: 117 Resp: 466486

Ion Ratio Lower Upper

117 100

82 51.3 42.0 63.0

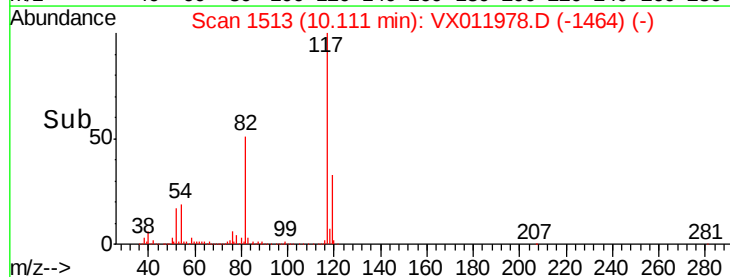
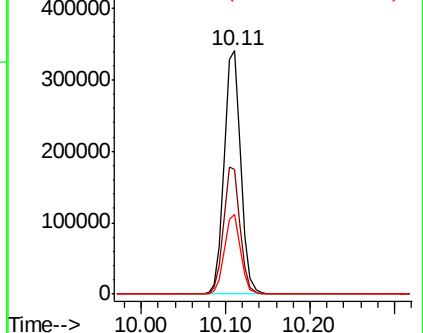
119 32.8 26.2 39.4

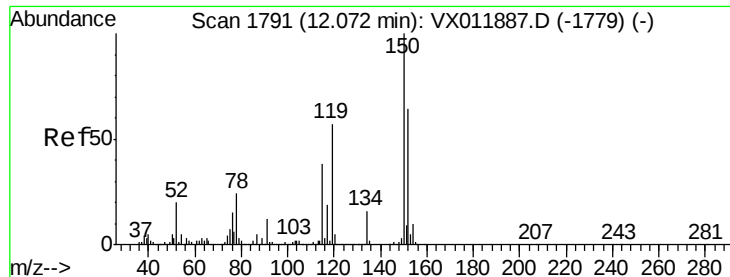


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



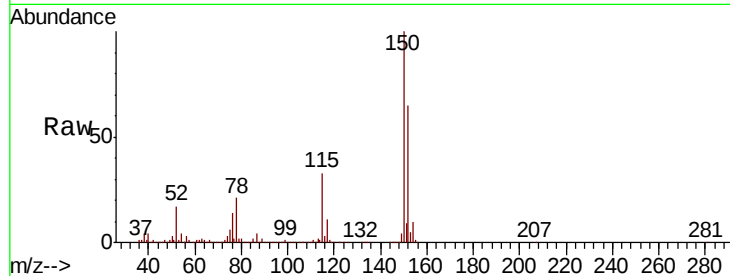


#72

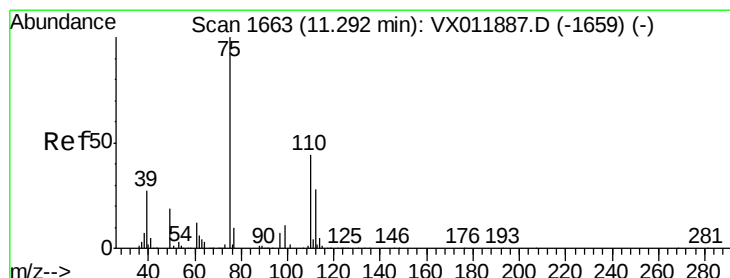
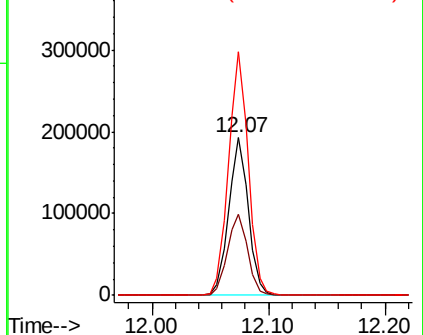
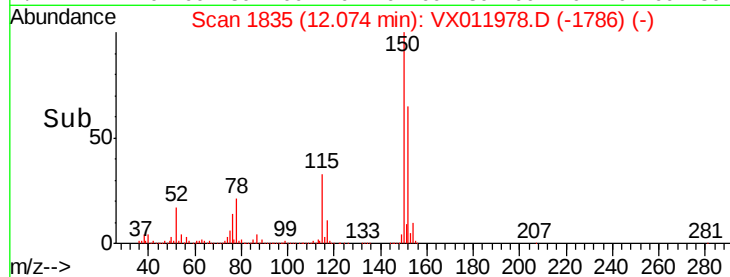
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011978.D
Acq: 01 Sep 2019 04:57

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

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	37.1	111.3
150	155.8	0.0	339.6



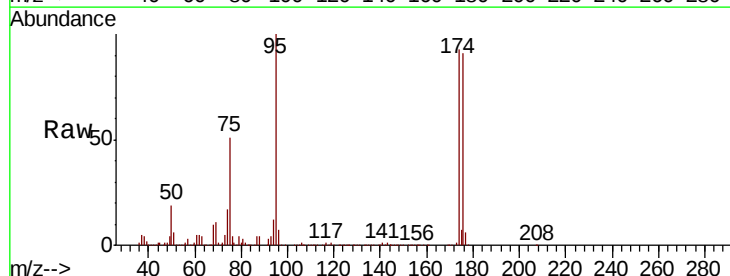
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



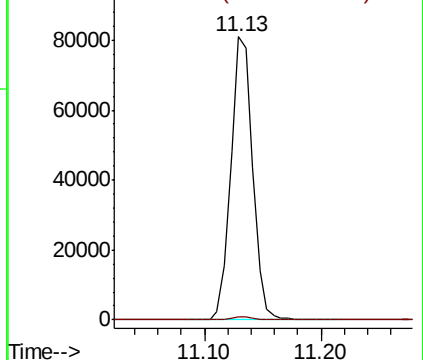
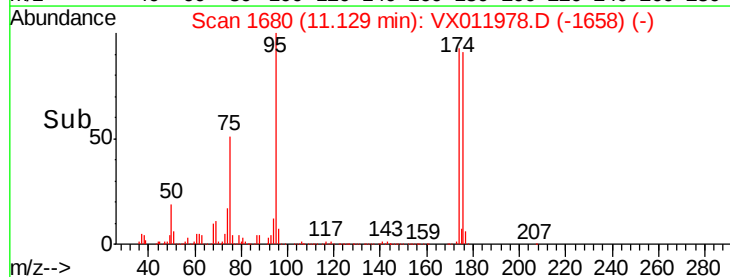
#76

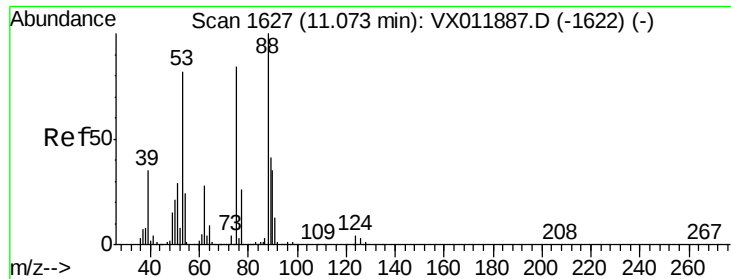
1,2,3-Trichloropropane
Concen: 47.809 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011978.D
Acq: 01 Sep 2019 04:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	20.9	62.7#



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: 120.104 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011978.D

Acq: 01 Sep 2019 04:57

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-M-(0)

Tgt Ion: 75 Resp: 105859

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.2 57.2#

