

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011960.D
 Acq On : 31 Aug 2019 19:36
 Operator : SY/SP
 Sample : K4526-08
 Misc : 5.39g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(0)

Quant Time: Sep 01 01:52:40 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	424671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	533844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	446386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205031	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	164396	40.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.80%	
35) Dibromofluoromethane	5.48	113	151807	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
50) Toluene-d8	8.71	98	592066	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	200142	37.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.56%	

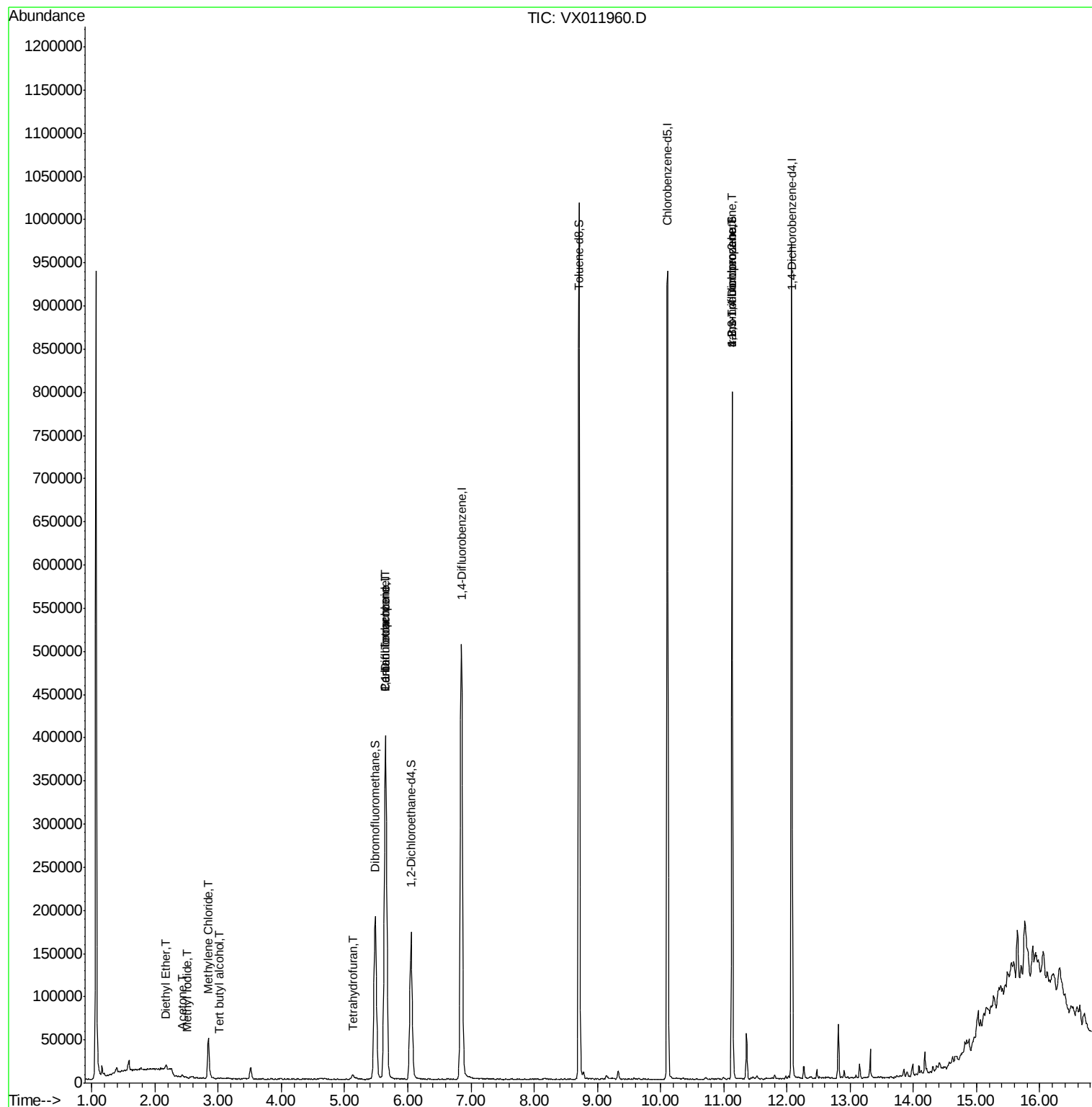
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1958	1.156	ug/l	73
10) Methyl Iodide	2.51	142	164	3.719	ug/l #	82
11) Tert butyl alcohol	3.02	59	1154	2.948	ug/l #	83
16) Acetone	2.43	43	2560	2.924	ug/l #	71
20) Methylene Chloride	2.84	84	22202	1.146	ug/l	96
29) Tetrahydrofuran	5.14	42	4856	6.102	ug/l #	87
36) 1,1-Dichloropropene	5.64	75	25706	6.078	ug/l #	51
38) Carbon Tetrachloride	5.64	117	36154	7.371	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	99580	49.373	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	99580	124.033	ug/l #	11

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

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T9-12-13-F3-(0)

Quant Time: Sep 01 01:52:40 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: VX011960.D

Acq: 31 Aug 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

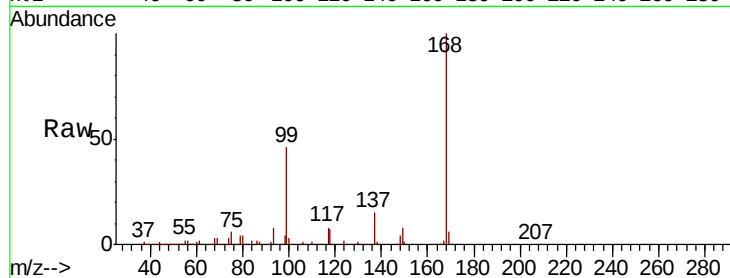
T9-12-13-F3-(0)

Tgt Ion:168 Resp: 424671

Ion Ratio Lower Upper

168 100

99 46.0 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

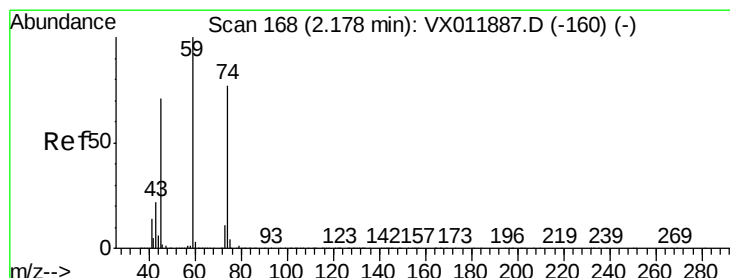
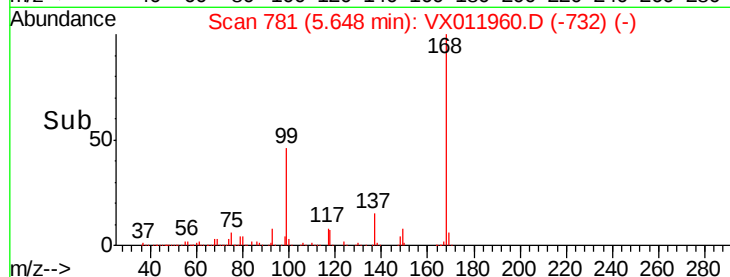
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 1.156 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011960.D

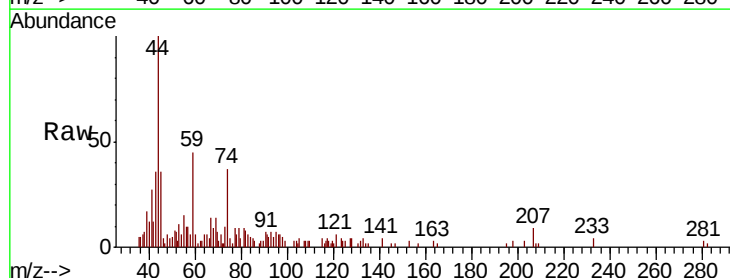
Acq: 31 Aug 2019 19:36

Tgt Ion: 74 Resp: 1958

Ion Ratio Lower Upper

74 100

45 67.0 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1200

1000

800

600

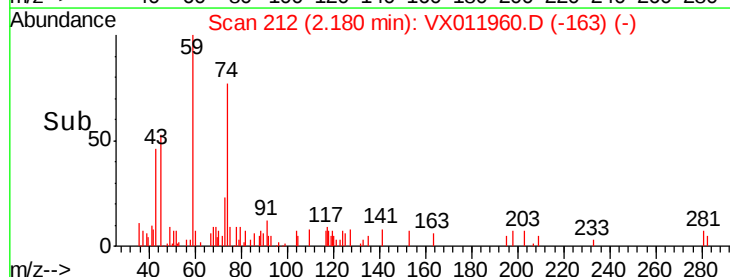
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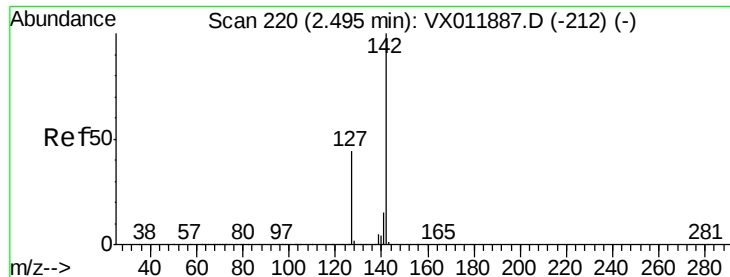
200

0

2.10 2.15 2.20 2.25

Time-->

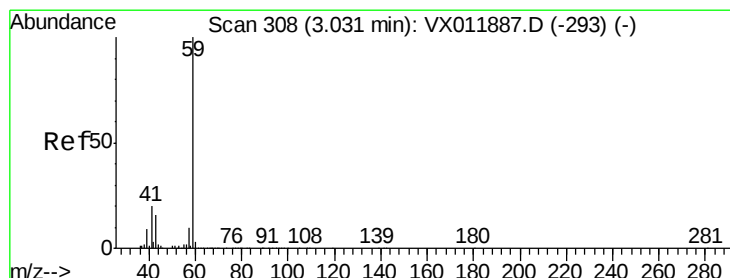
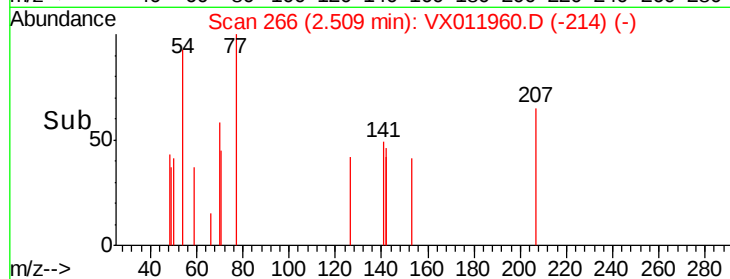
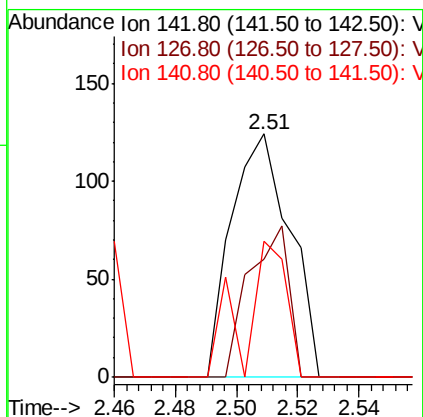
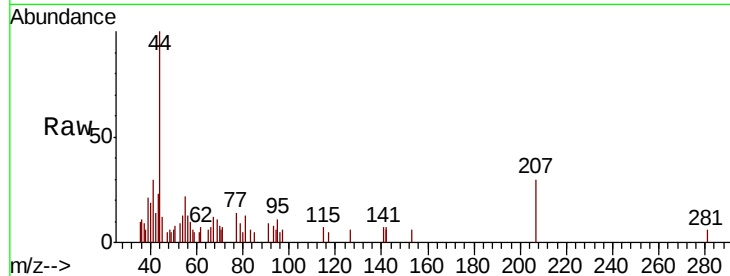




#10
Methyl Iodide
Concen: 3.719 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

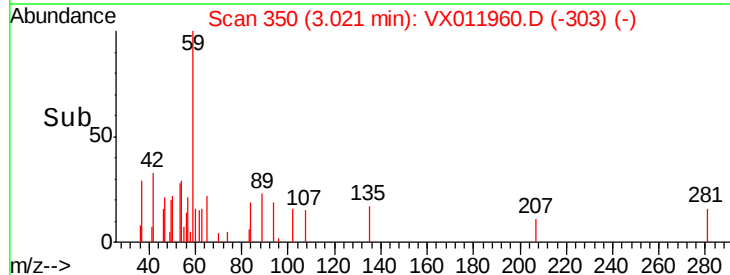
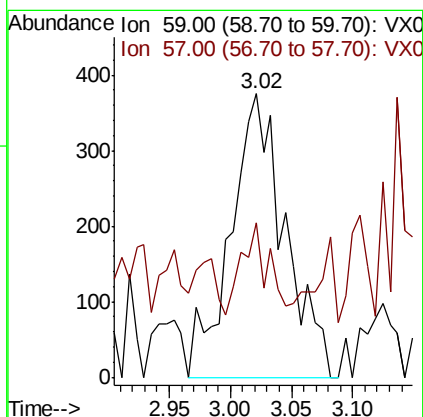
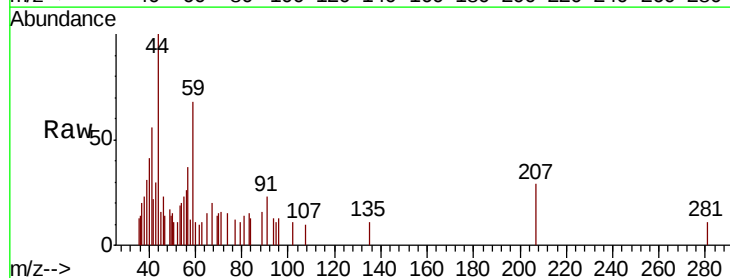
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(0)

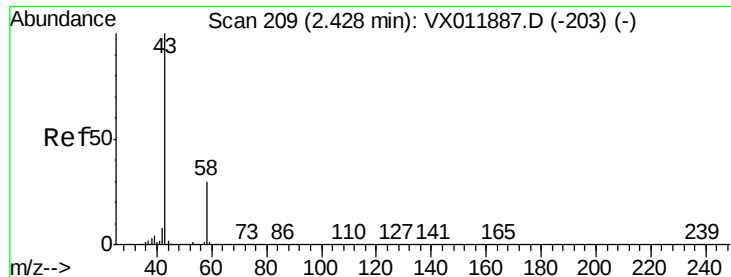
Tgt Ion: 142 Resp: 164
Ion Ratio Lower Upper
142 100
127 42.1 35.7 53.5
141 40.2 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.948 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

Tgt Ion: 59 Resp: 1154
Ion Ratio Lower Upper
59 100
57 17.2 8.6 12.8#





#16

Acetone

Concen: 2.924 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

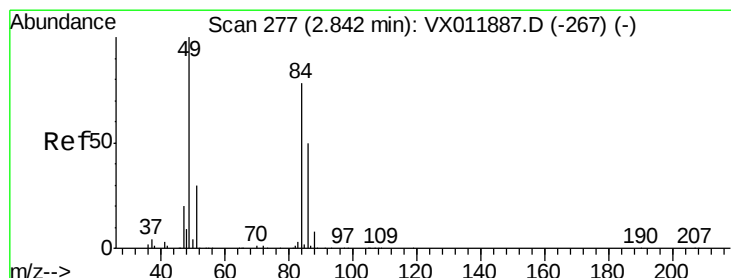
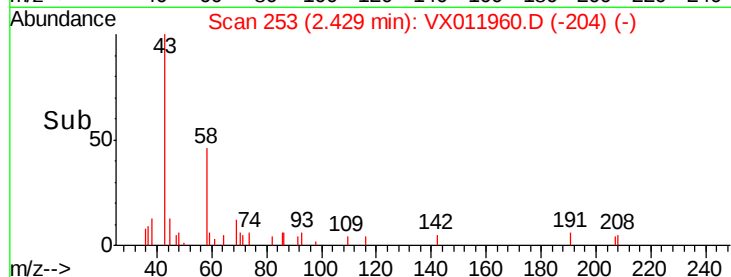
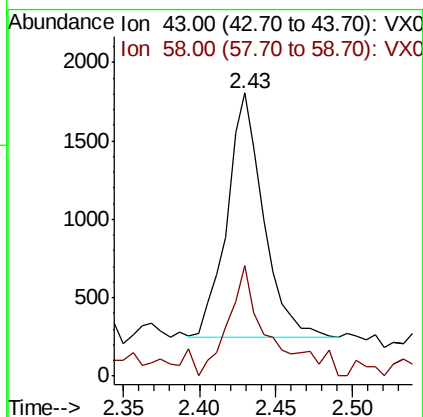
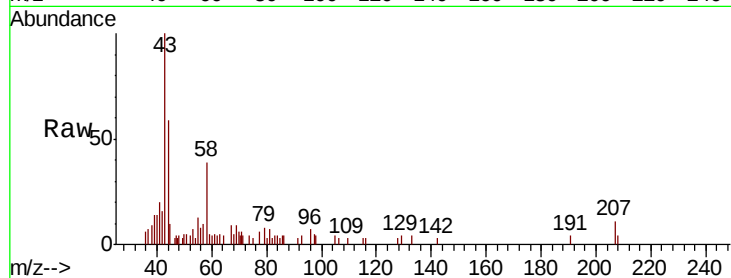
T9-12-13-F3-(0)

Tgt Ion: 43 Resp: 2560

Ion Ratio Lower Upper

43 100

58 45.2 23.8 35.8#



#20

Methylene Chloride

Concen: 1.146 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

Tgt Ion: 84 Resp: 22202

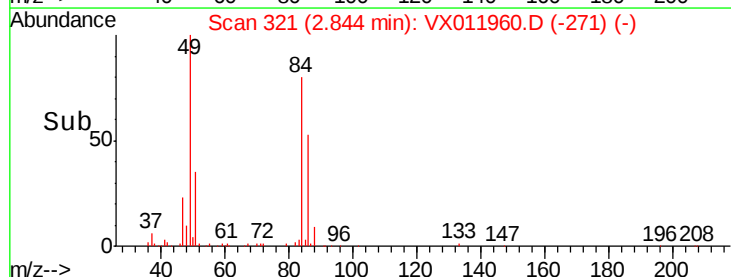
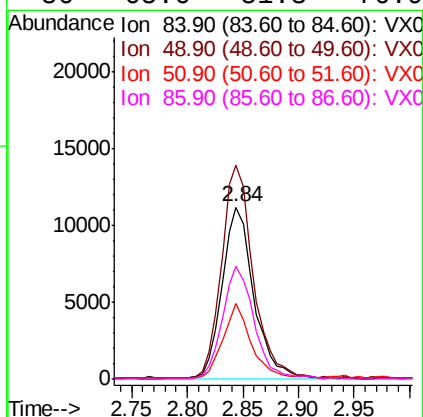
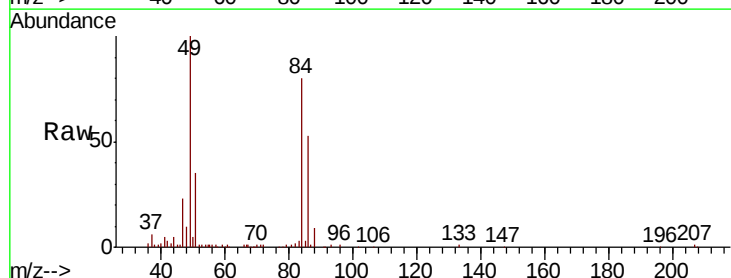
Ion Ratio Lower Upper

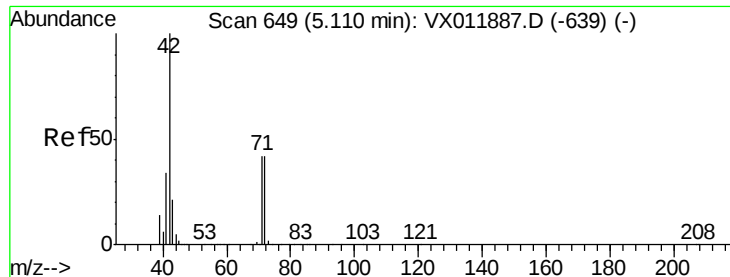
84 100

49 123.7 103.0 154.4

51 43.3 30.8 46.2

86 65.6 51.3 76.9

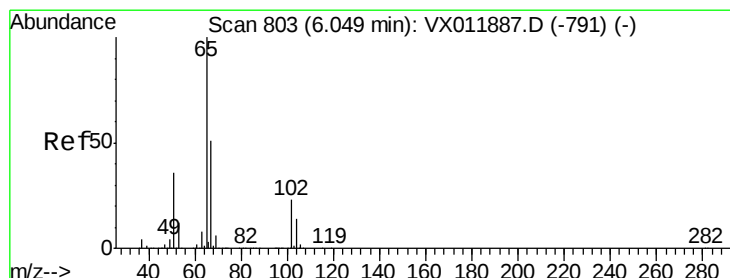
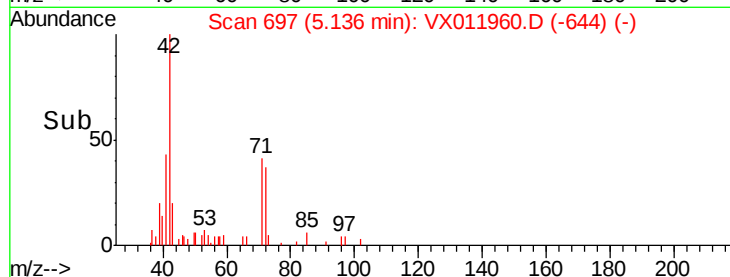
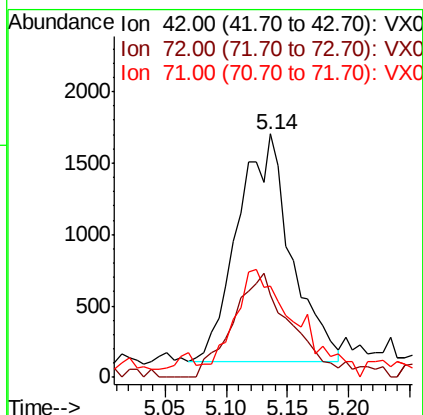
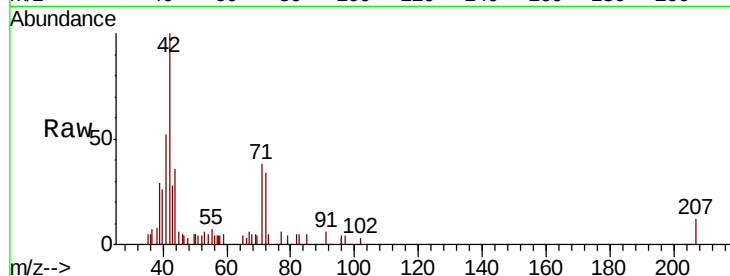




#29
Tetrahydrofuran
Concen: 6.102 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.03 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

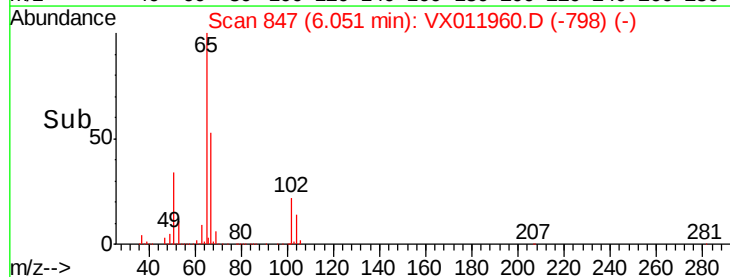
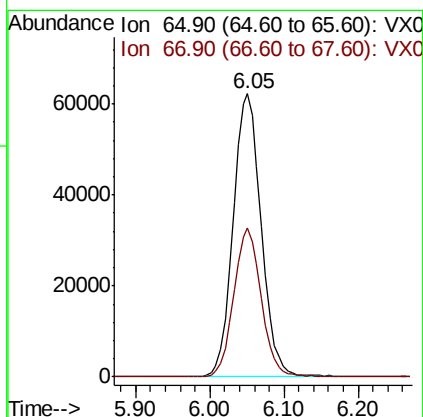
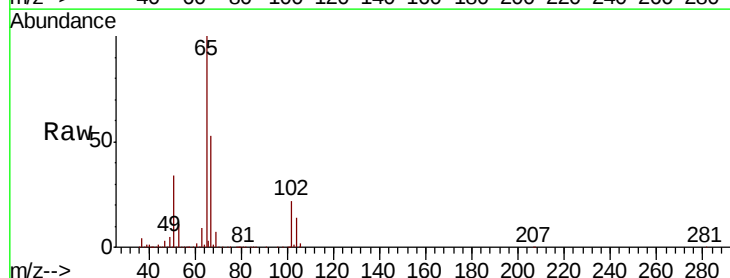
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(0)

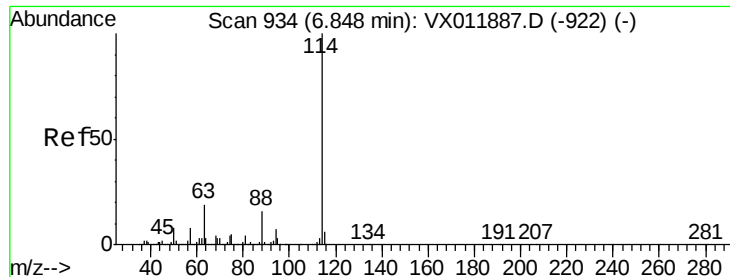
Tgt Ion: 42 Resp: 4856
Ion Ratio Lower Upper
42 100
72 49.2 36.2 54.4
71 54.8 33.1 49.7#



#33
1,2-Dichloroethane-d4
Concen: 40.404 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

Tgt Ion: 65 Resp: 164396
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.2

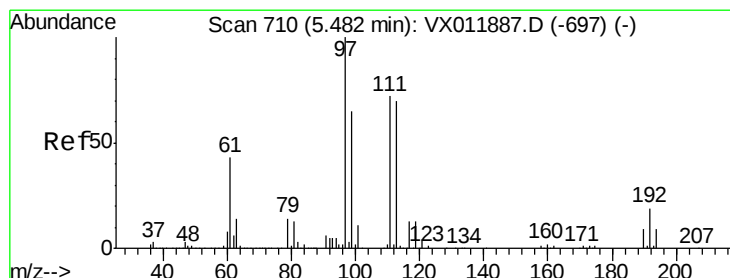
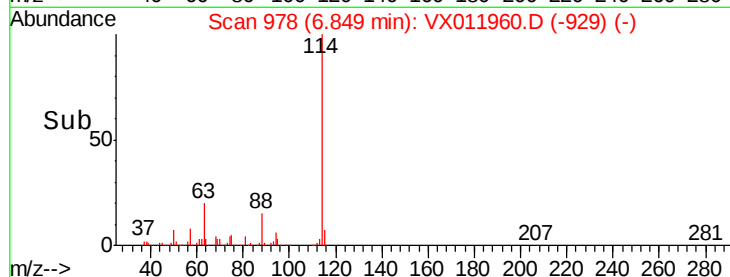
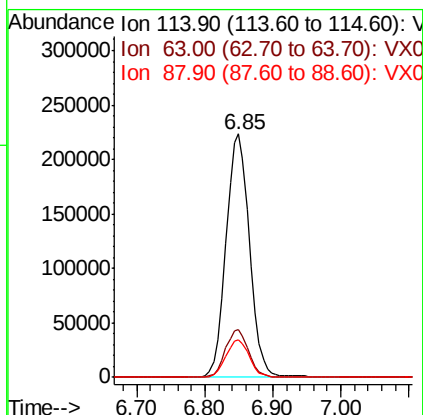
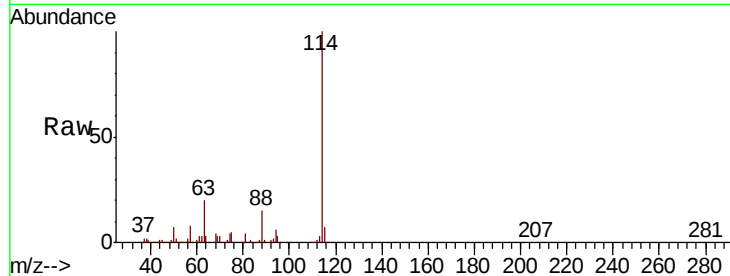




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011960.D
 Acq: 31 Aug 2019 19:36

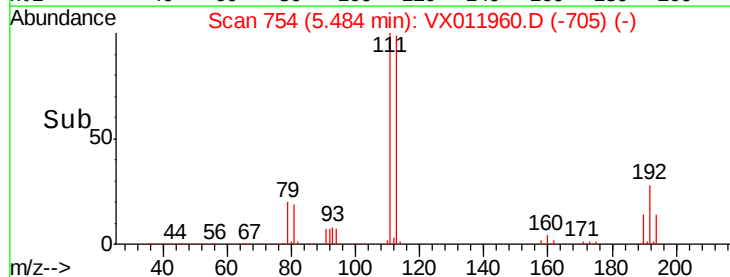
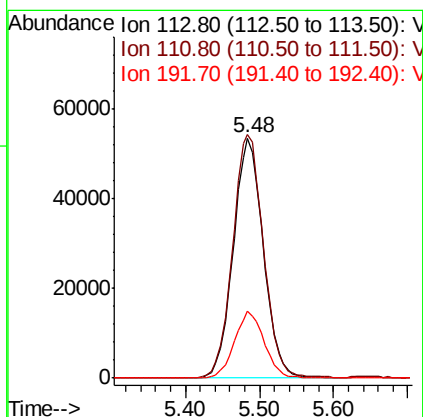
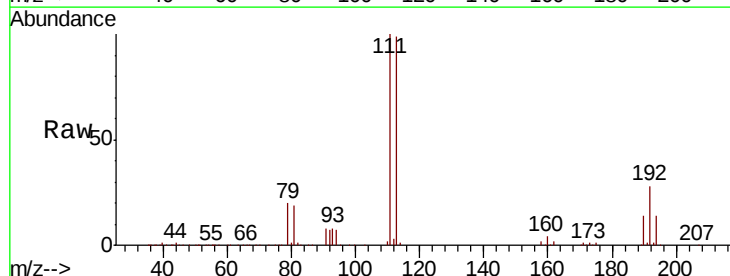
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(0)

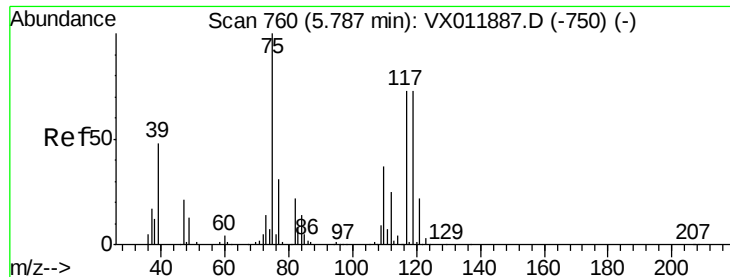
Tgt Ion:114 Resp: 533844
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 44.346 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011960.D
 Acq: 31 Aug 2019 19:36

Tgt Ion:113 Resp: 151807
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.1 123.1
 192 27.4 21.5 32.3





#36

1,1-Dichloropropene

Concen: 6.078 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F3-(0)

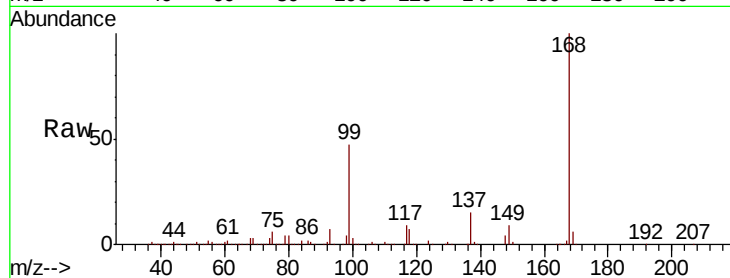
Tgt Ion: 75 Resp: 25706

Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

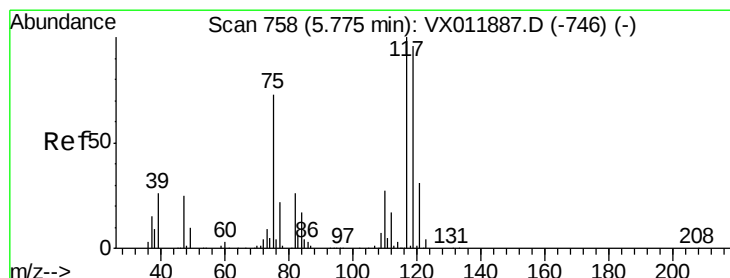
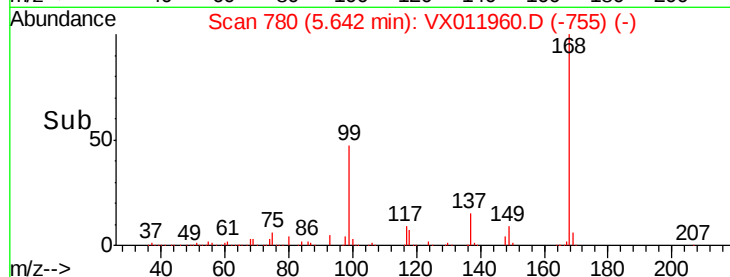
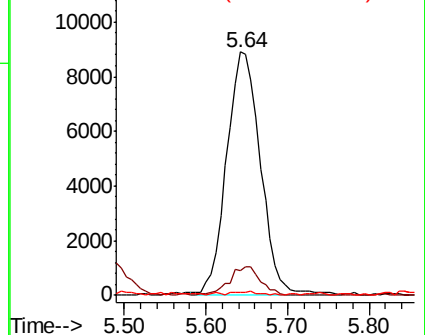
77 1.1 24.4 36.6#



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: 7.371 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

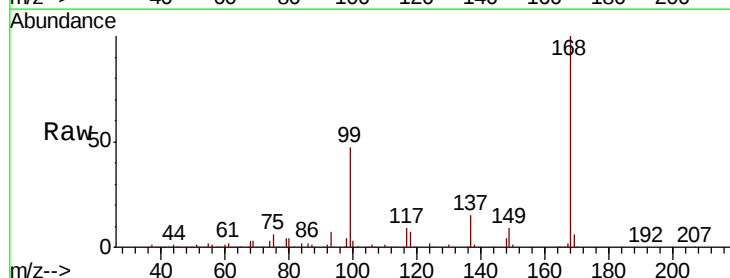
Tgt Ion: 117 Resp: 36154

Ion Ratio Lower Upper

117 100

119 4.6 76.6 114.8#

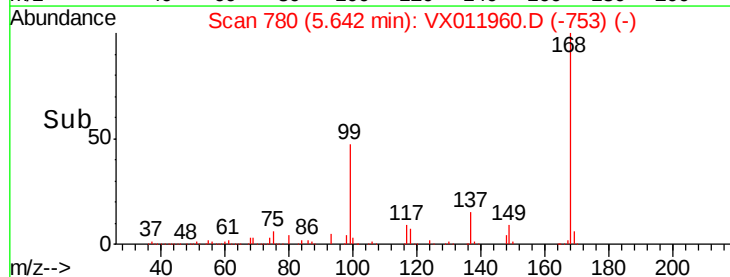
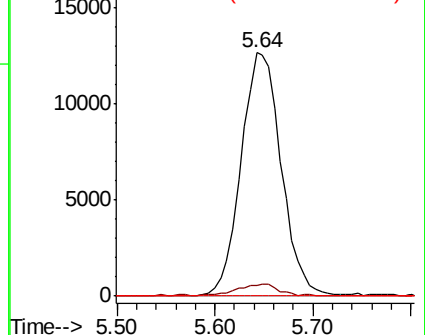
121 0.0 24.7 37.1#

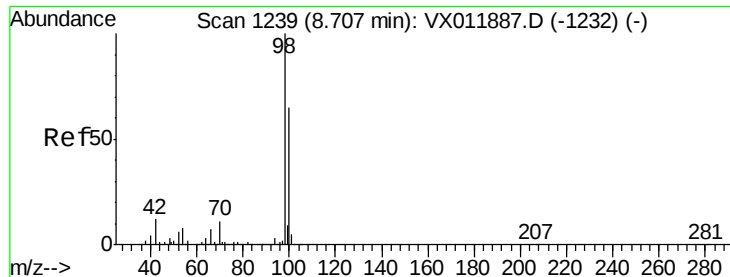


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

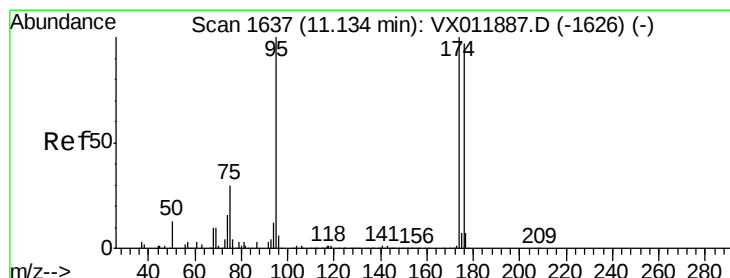
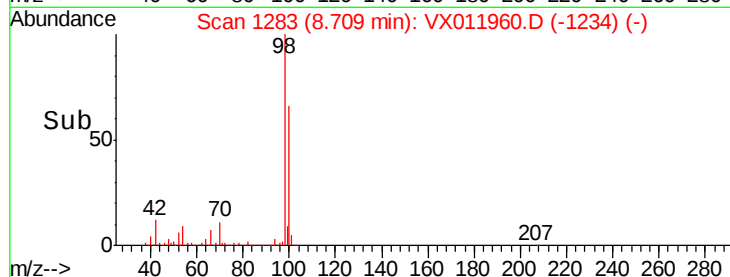
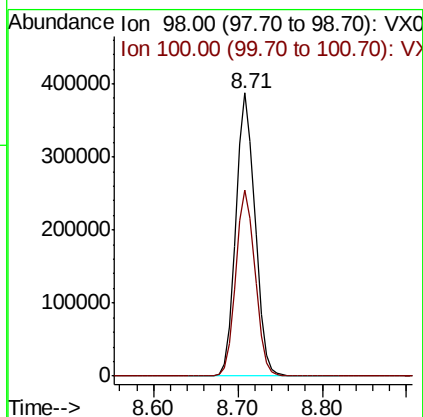
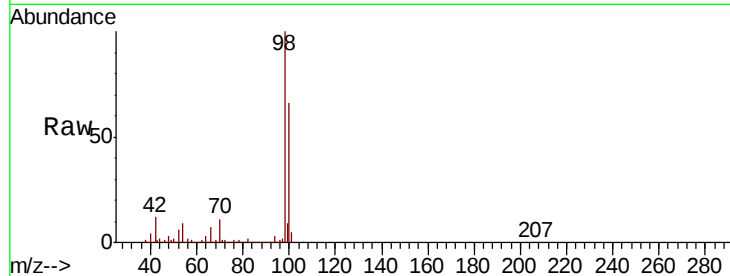




#50
Toluene-d8
Concen: 48.383 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

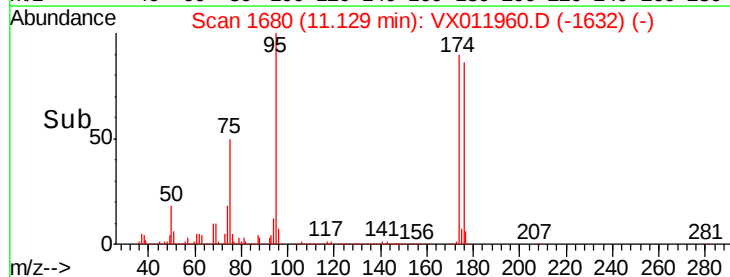
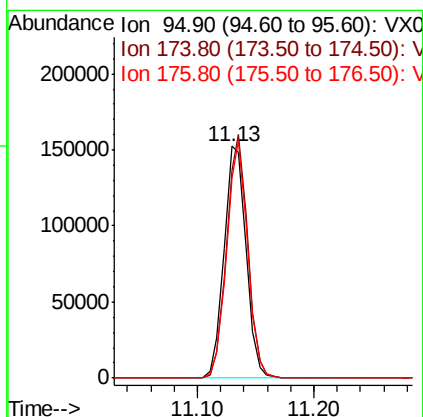
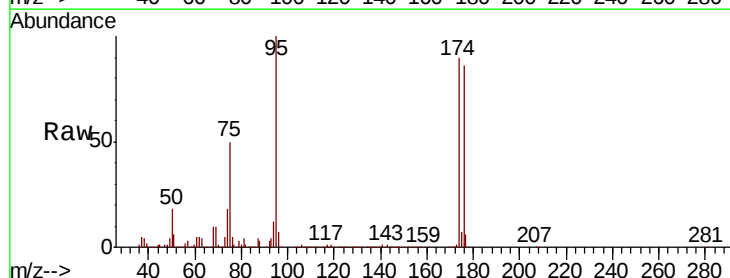
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(0)

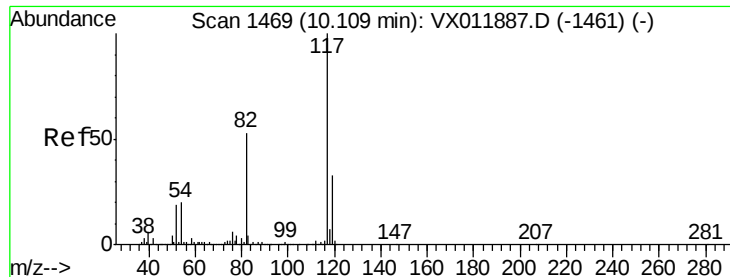
Tgt Ion: 98 Resp: 592066
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 37.285 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

Tgt Ion: 95 Resp: 200142
Ion Ratio Lower Upper
95 100
174 101.0 0.0 196.0
176 96.8 0.0 191.4

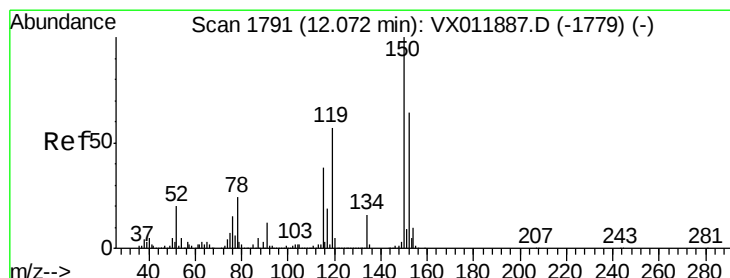
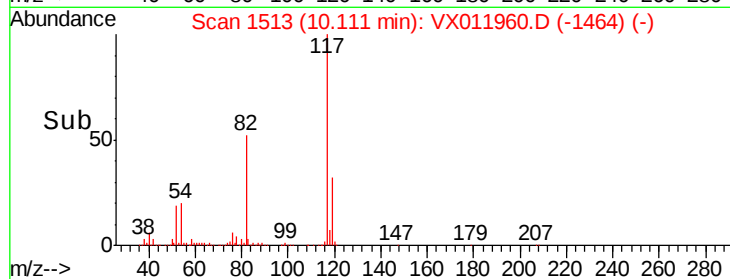
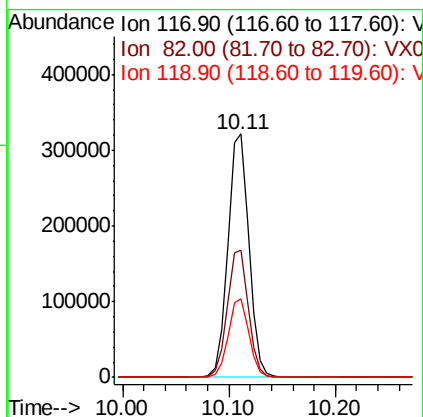
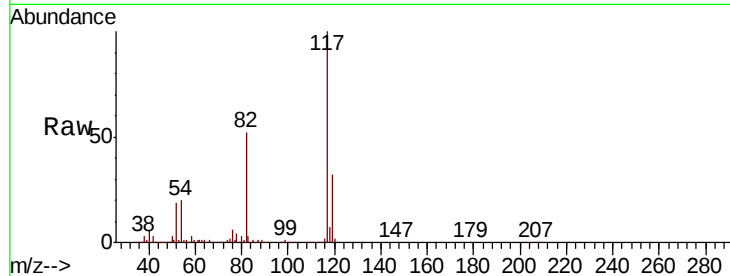




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

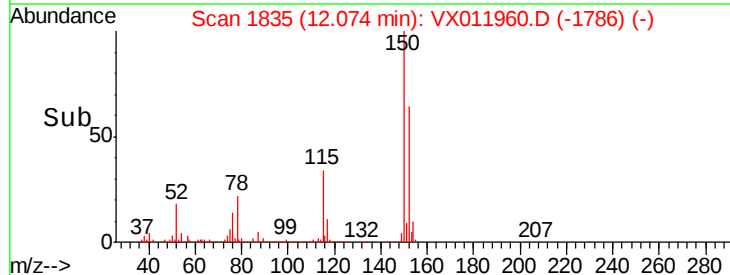
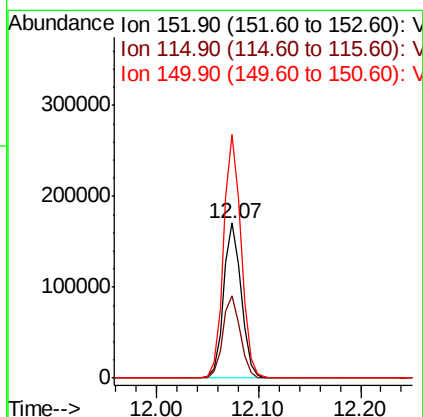
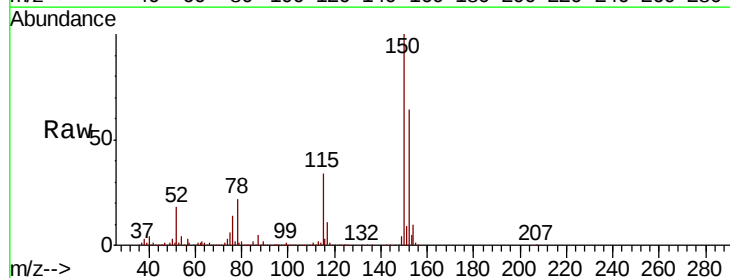
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(0)

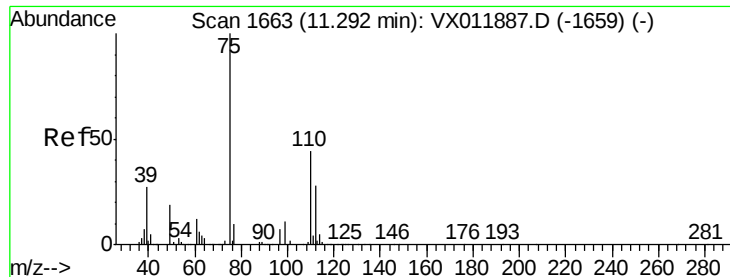
Tgt Ion:117 Resp: 446386
Ion Ratio Lower Upper
117 100
82 52.2 42.0 63.0
119 32.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011960.D
Acq: 31 Aug 2019 19:36

Tgt Ion:152 Resp: 205031
Ion Ratio Lower Upper
152 100
115 52.8 37.1 111.3
150 156.3 0.0 339.6

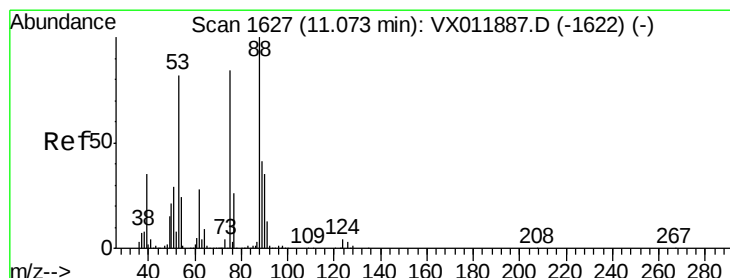
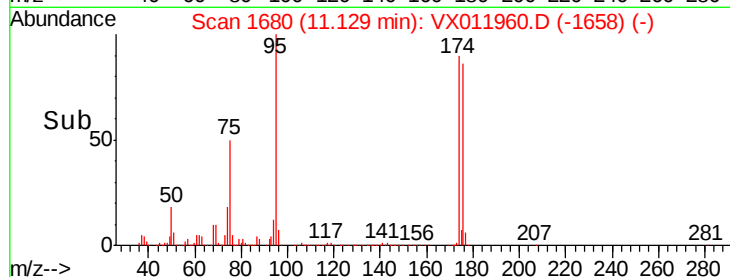
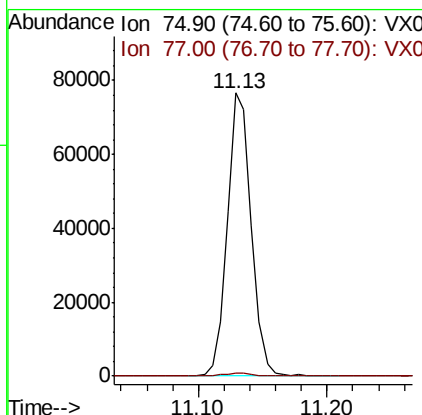
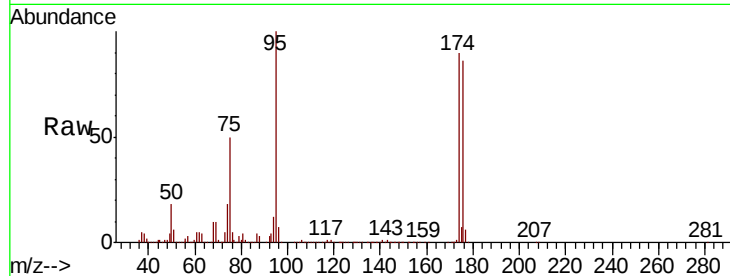




#76
 1,2,3-Trichloropropane
 Concen: 49.373 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX011960.D
 Acq: 31 Aug 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(0)

Tgt Ion: 75 Resp: 99580
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.033 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011960.D
 Acq: 31 Aug 2019 19:36

Tgt Ion: 75 Resp: 99580
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.0 38.2 57.2#

