

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011970.D
 Acq On : 01 Sep 2019 01:12
 Operator : SY/SP
 Sample : K4526-12
 Misc : 5.57g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(1.9)

Quant Time: Sep 01 01:55:59 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	458801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	576035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	501396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256964	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	181044	41.19	ug/l	0.00
Spiked Amount			Recovery	=	82.38%	
35) Dibromofluoromethane	5.48	113	165342	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
50) Toluene-d8	8.71	98	647186	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.13	95	235333	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	

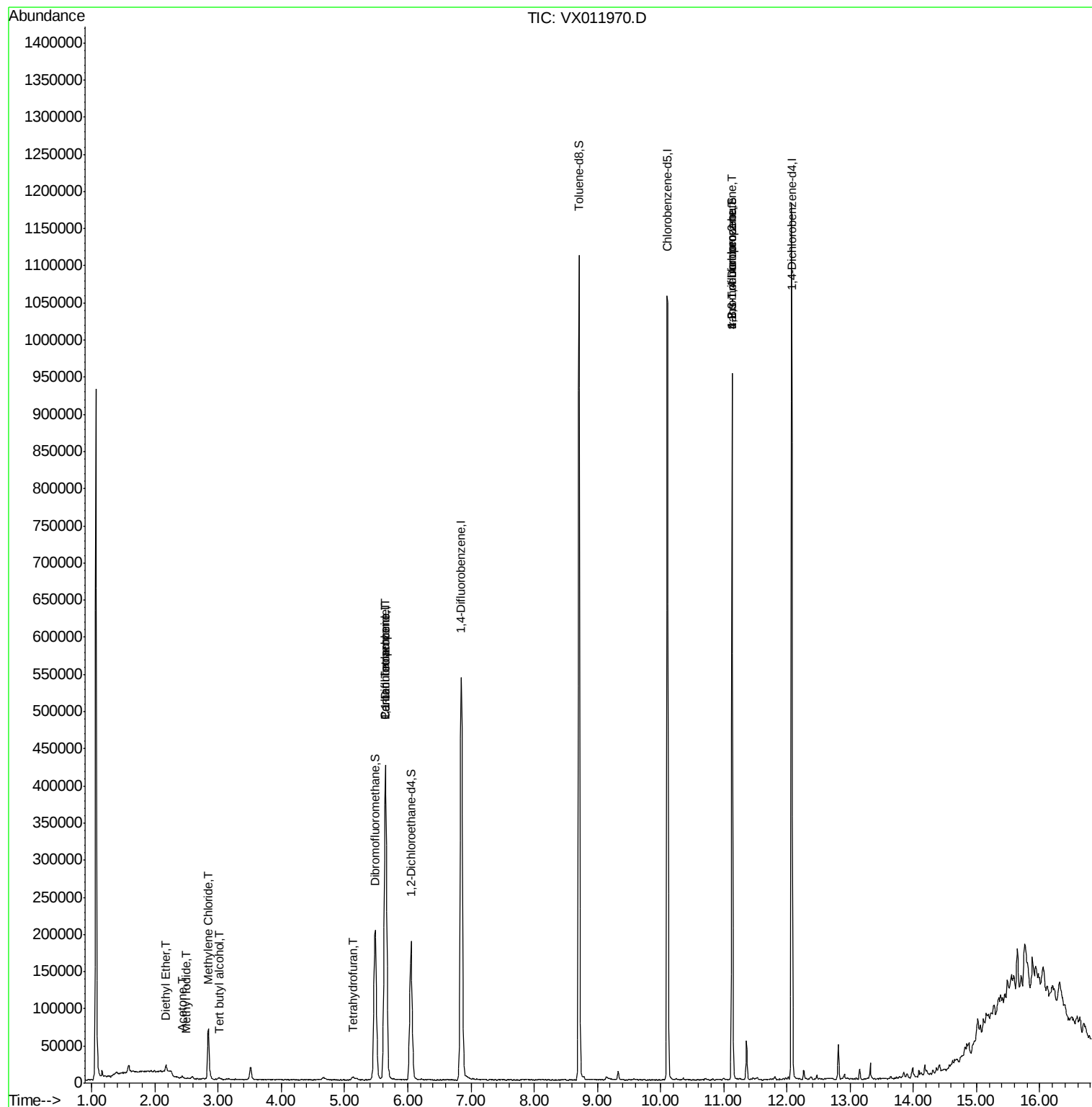
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	3040	1.662	ug/l	96
10) Methyl Iodide	2.50	142	390	3.771	ug/l #	57
11) Tert butyl alcohol	3.02	59	1816	4.294	ug/l #	94
16) Acetone	2.42	43	3474	3.673	ug/l	94
20) Methylene Chloride	2.84	84	33415	3.736	ug/l	96
29) Tetrahydrofuran	5.14	42	4348	5.057	ug/l #	85
36) 1,1-Dichloropropene	5.64	75	27277	5.977	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38144	7.207	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	116042	45.907	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	116042	115.326	ug/l #	11

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(1.9)

Quant Time: Sep 01 01:55:59 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: VX011970.D

Acq: 01 Sep 2019 01:12

Instrument :

MSVOA_X

ClientSampleId :

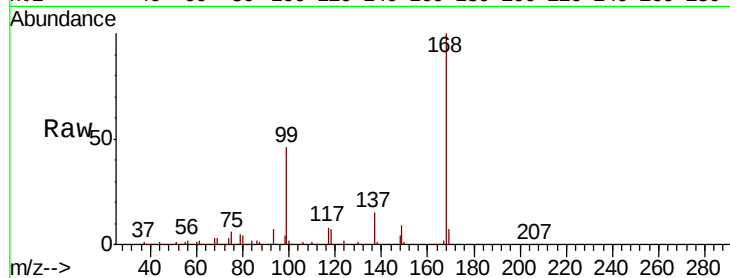
T9-12-13-F3-(1.9)

Tgt Ion:168 Resp: 458801

Ion Ratio Lower Upper

168 100

99 46.1 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

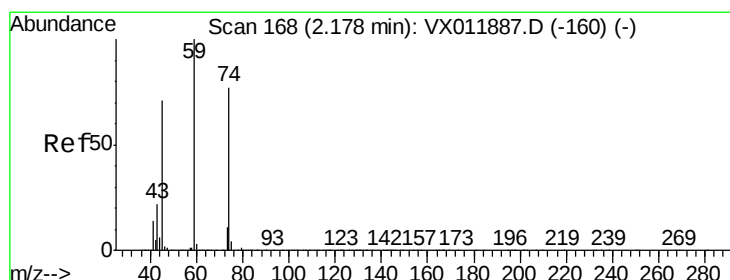
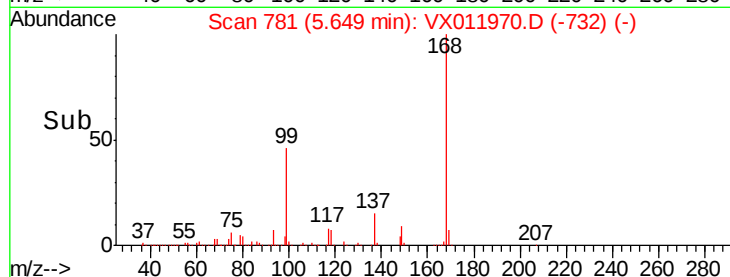
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.662 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011970.D

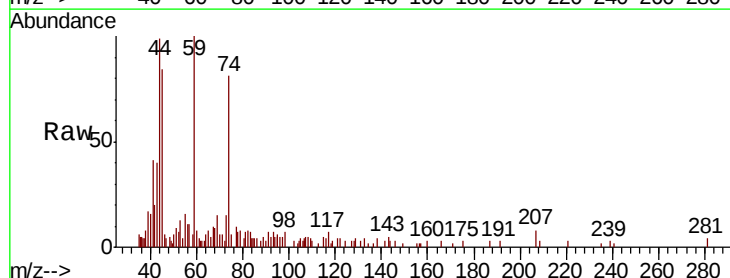
Acq: 01 Sep 2019 01:12

Tgt Ion: 74 Resp: 3040

Ion Ratio Lower Upper

74 100

45 89.2 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

2000

1500

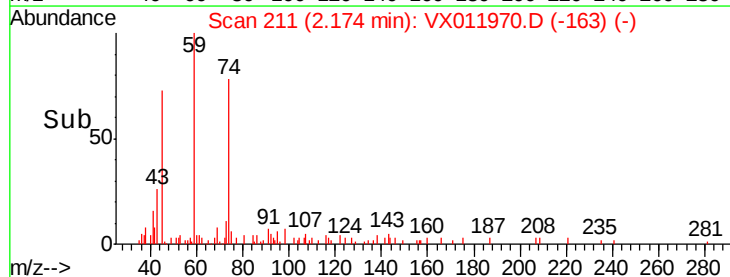
1000

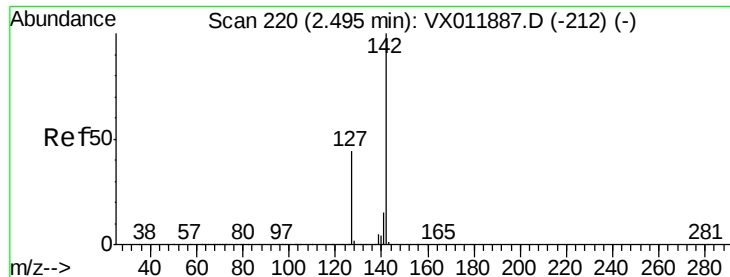
500

0

Time-->

2.10 2.15 2.20 2.25

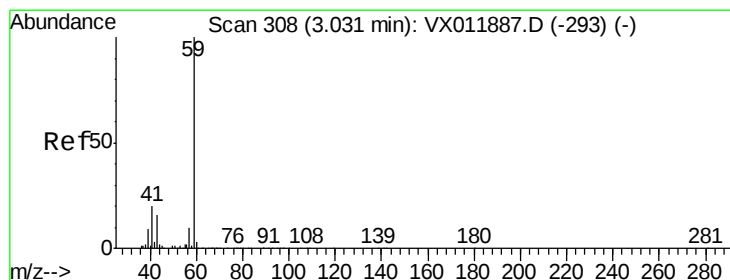
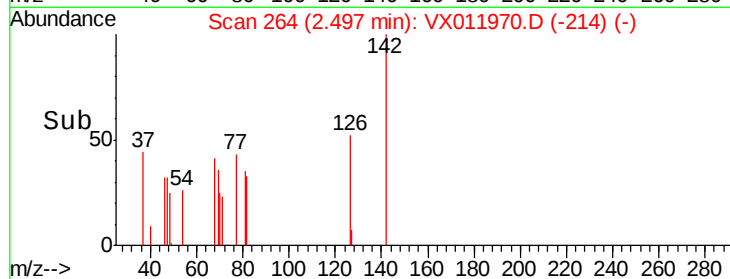
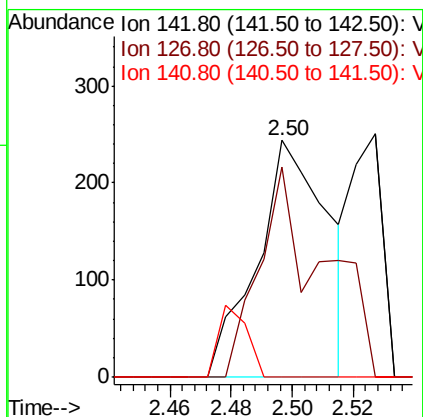
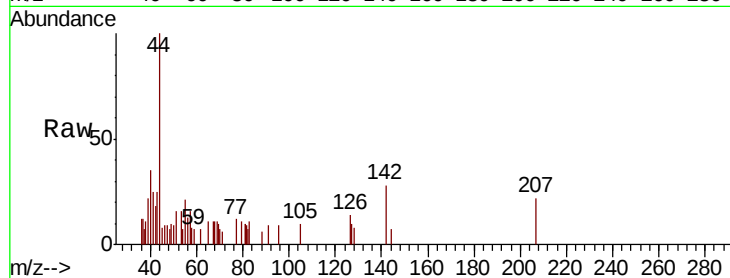




#10
Methyl Iodide
Concen: 3.771 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

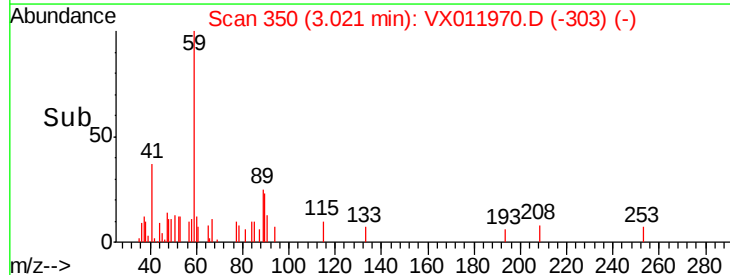
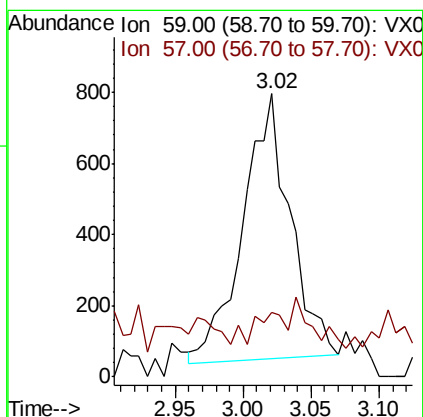
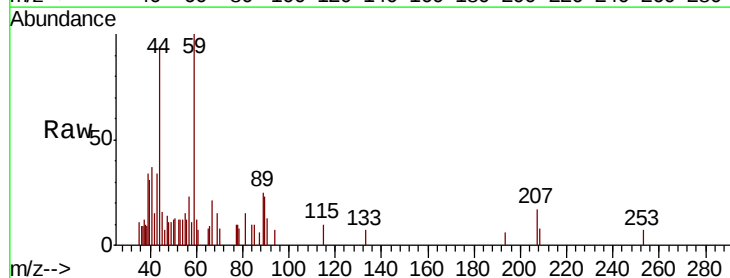
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(1.9)

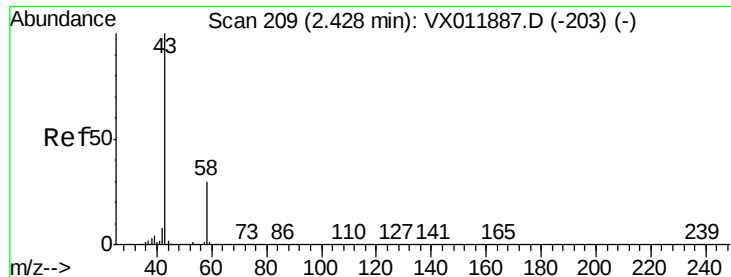
Tgt Ion:142 Resp: 390
Ion Ratio Lower Upper
142 100
127 80.5 35.7 53.5#
141 12.3 11.8 17.6



#11
Tert butyl alcohol
Concen: 4.294 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

Tgt Ion: 59 Resp: 1816
Ion Ratio Lower Upper
59 100
57 8.4 8.6 12.8#





#16

Acetone

Concen: 3.673 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX011970.D

Acq: 01 Sep 2019 01:12

Instrument :

MSVOA_X

ClientSampleId :

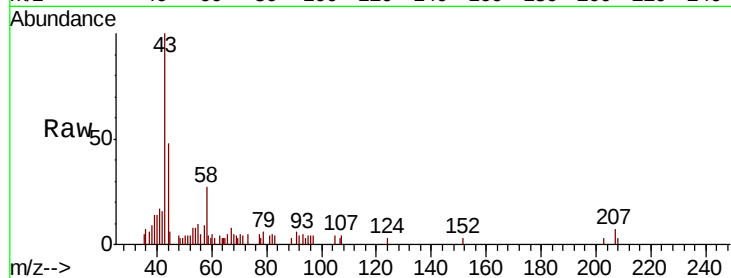
T9-12-13-F3-(1.9)

Tgt Ion: 43 Resp: 3474

Ion Ratio Lower Upper

43 100

58 26.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2000

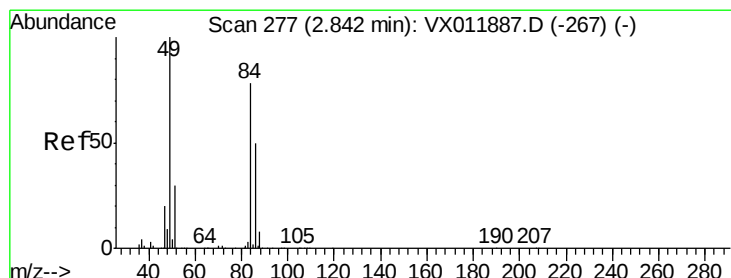
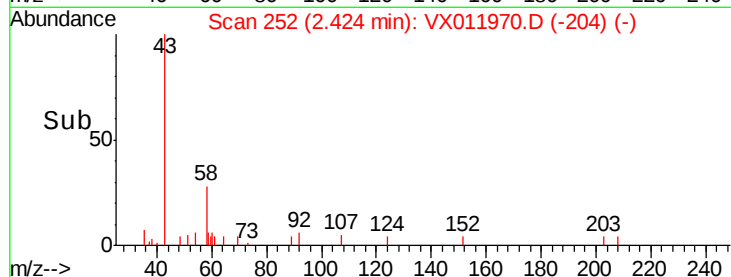
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50 2.55



#20

Methylene Chloride

Concen: 3.736 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011970.D

Acq: 01 Sep 2019 01:12

Tgt Ion: 84 Resp: 33415

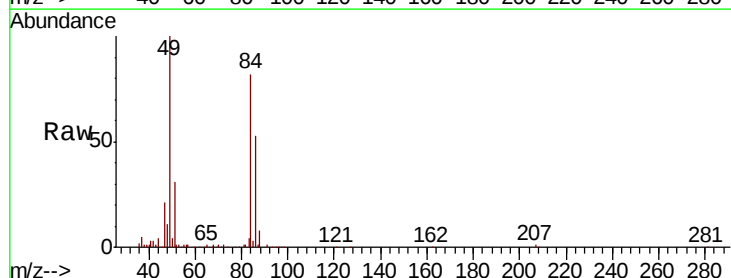
Ion Ratio Lower Upper

84 100

49 121.0 103.0 154.4

51 37.3 30.8 46.2

86 64.6 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

30000

25000

20000

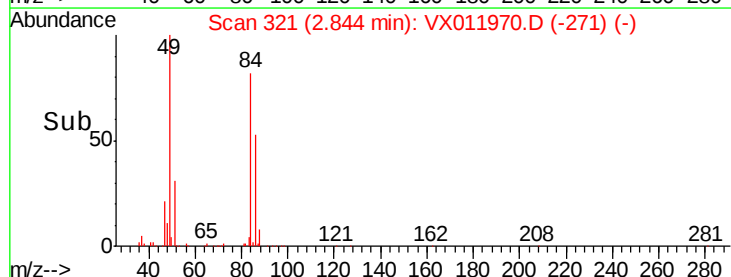
15000

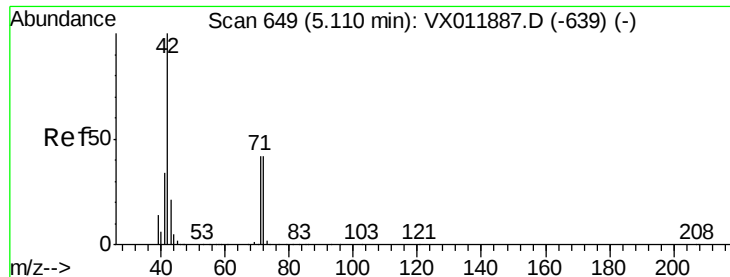
10000

5000

0

Time--> 2.70 2.80 2.90 3.00

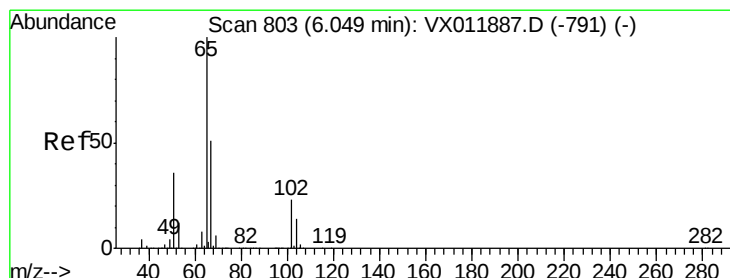
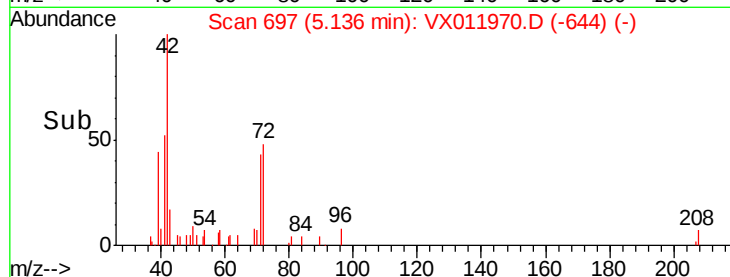
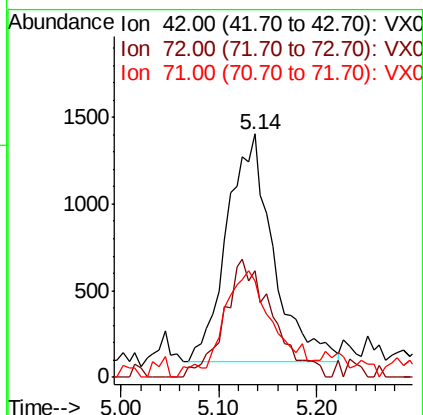
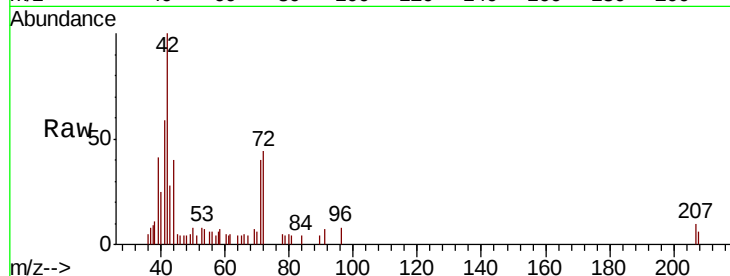




#29
Tetrahydrofuran
Concen: 5.057 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.03 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

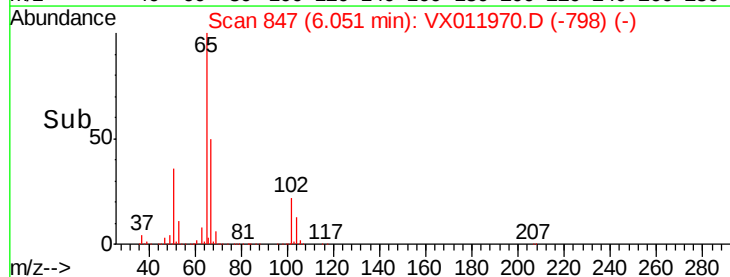
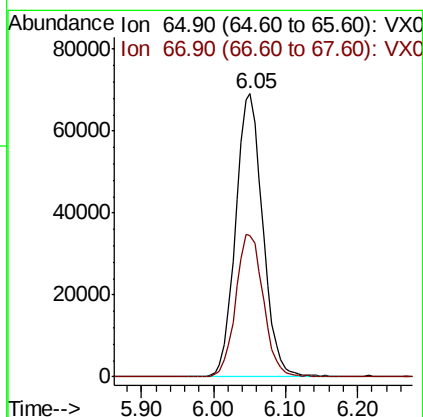
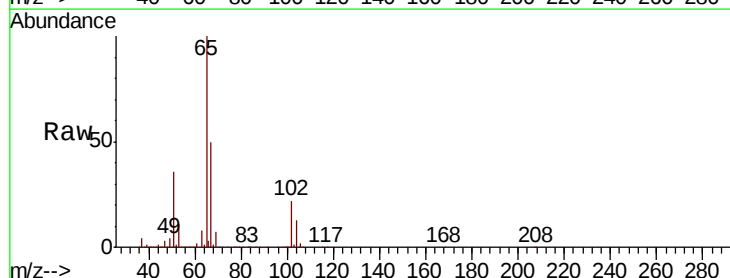
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(1.9)

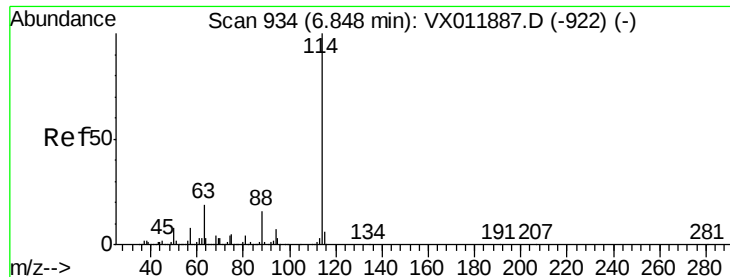
Tgt Ion: 42 Resp: 4348
Ion Ratio Lower Upper
42 100
72 53.9 36.2 54.4
71 52.5 33.1 49.7#



#33
1,2-Dichloroethane-d4
Concen: 41.186 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

Tgt Ion: 65 Resp: 181044
Ion Ratio Lower Upper
65 100
67 51.3 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: VX011970.D

Acq: 01 Sep 2019 01:12

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F3-(1.9)

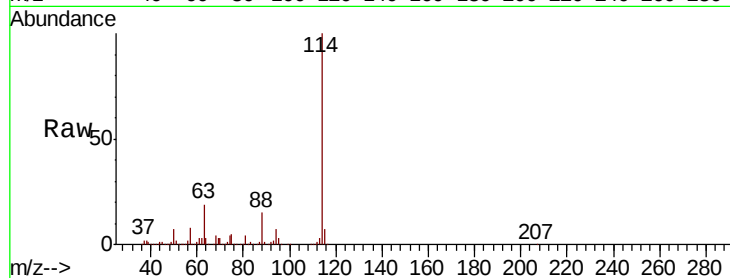
Tgt Ion:114 Resp: 576035

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

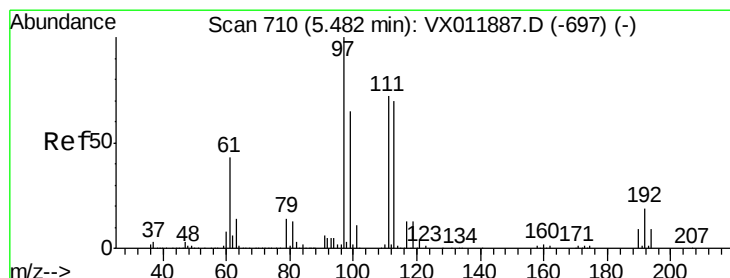
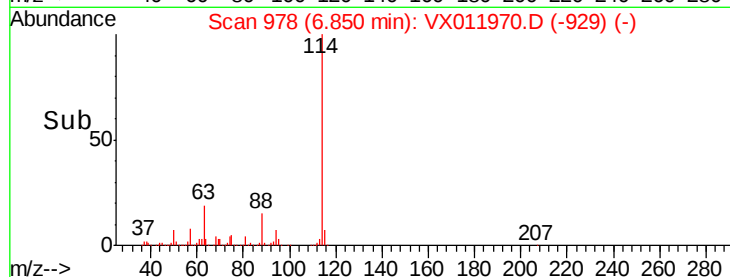
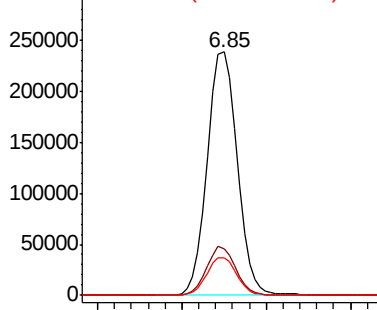
88 15.4 0.0 31.2



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: 44.762 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011970.D

Acq: 01 Sep 2019 01:12

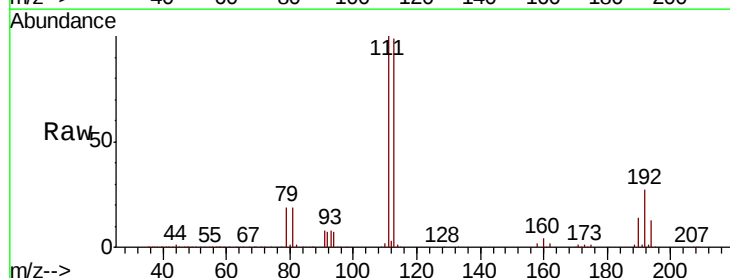
Tgt Ion:113 Resp: 165342

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

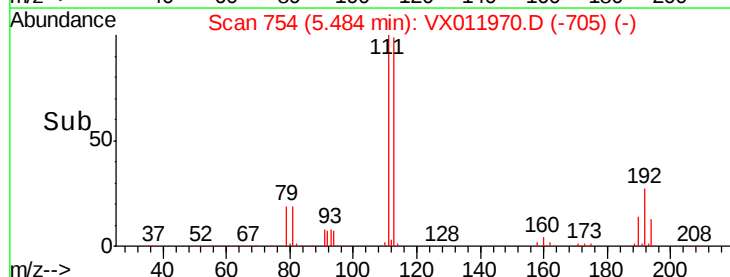
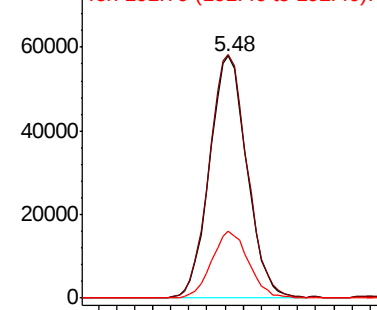
192 27.4 21.5 32.3

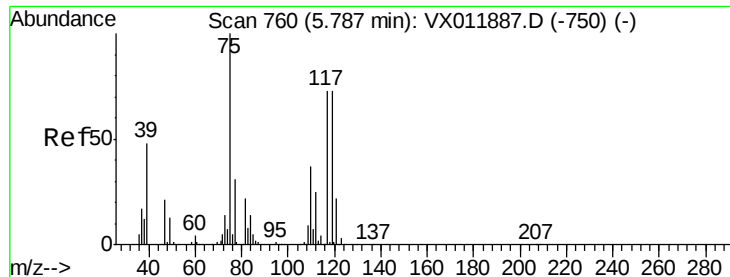


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.977 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011970.D

Acq: 01 Sep 2019 01:12

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F3-(1.9)

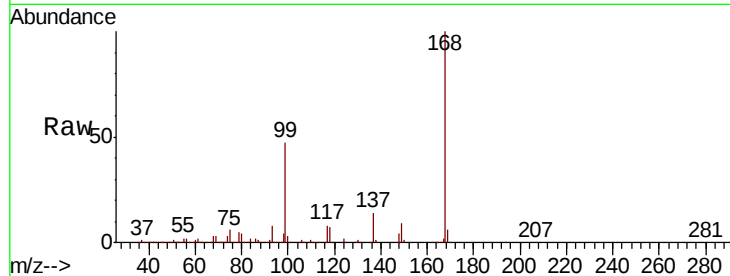
Tgt Ion: 75 Resp: 27277

Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

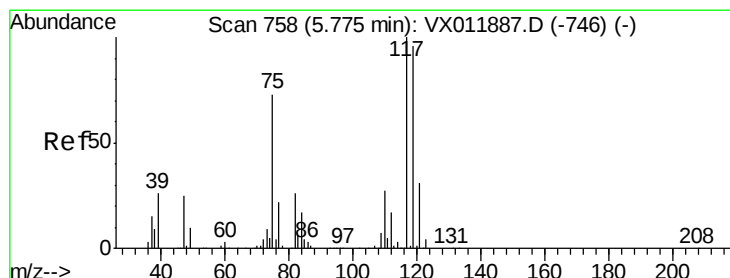
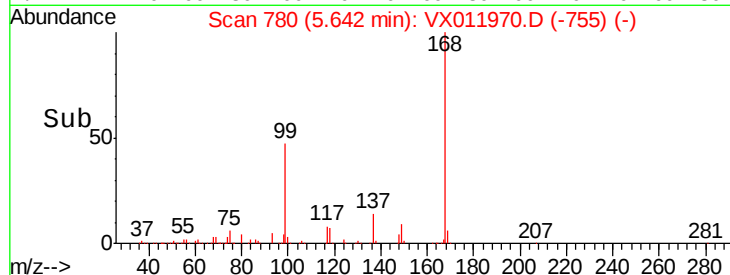
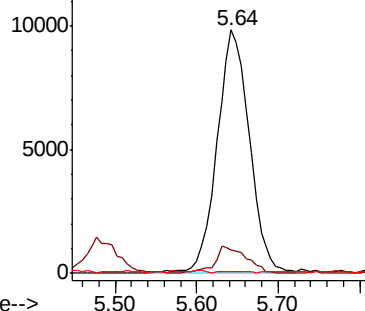
77 0.8 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX011887.D (-750) (-)

Ion 109.90 (109.60 to 110.60): VX011887.D (-750) (-)

Ion 76.90 (76.60 to 77.60): VX011887.D (-750) (-)



#38

Carbon Tetrachloride

Concen: 7.207 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011970.D

Acq: 01 Sep 2019 01:12

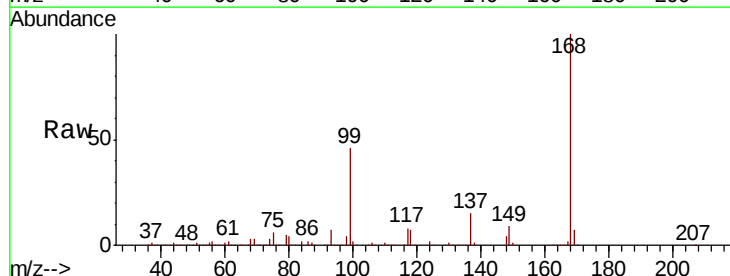
Tgt Ion: 117 Resp: 38144

Ion Ratio Lower Upper

117 100

119 4.8 76.6 114.8#

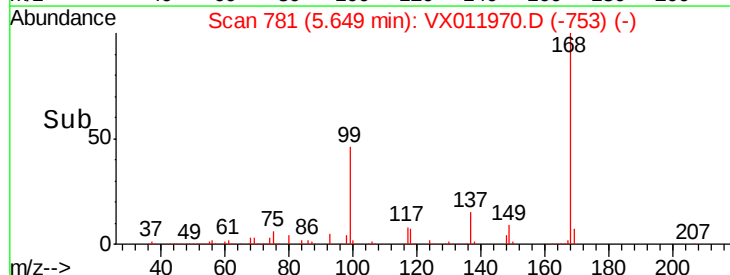
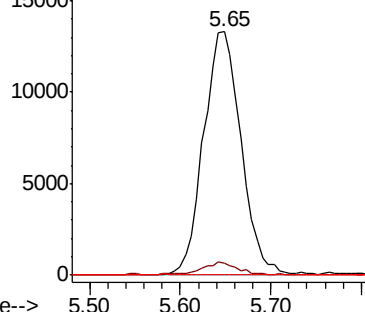
121 0.0 24.7 37.1#

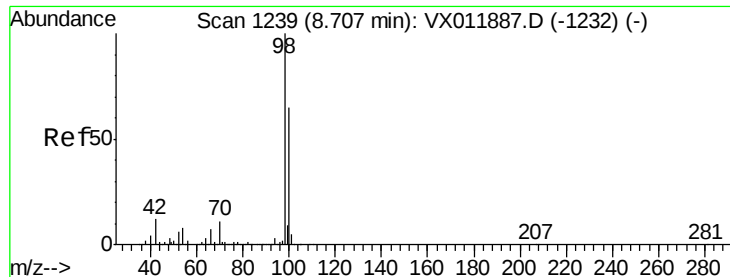


Abundance Ion 116.80 (116.50 to 117.50): VX011887.D (-746) (-)

Ion 118.80 (118.50 to 119.50): VX011887.D (-746) (-)

Ion 120.80 (120.50 to 121.50): VX011887.D (-746) (-)

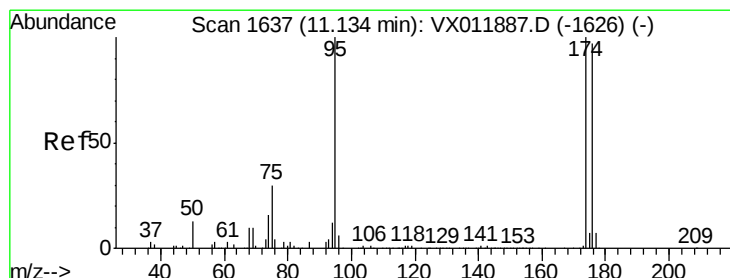
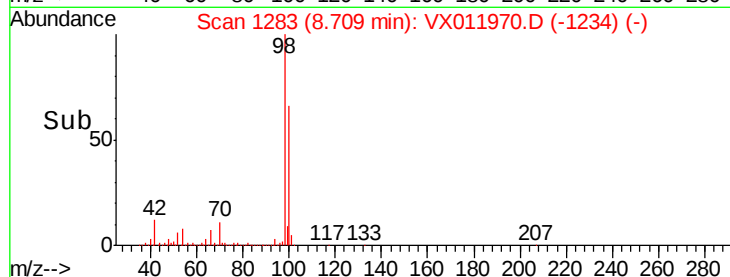
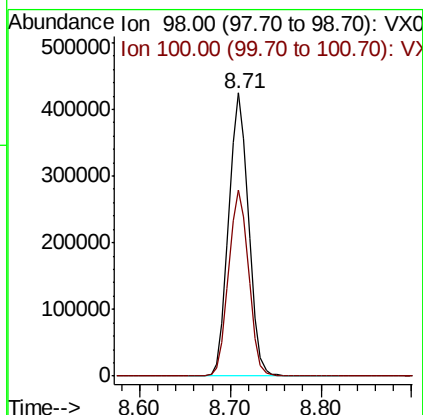
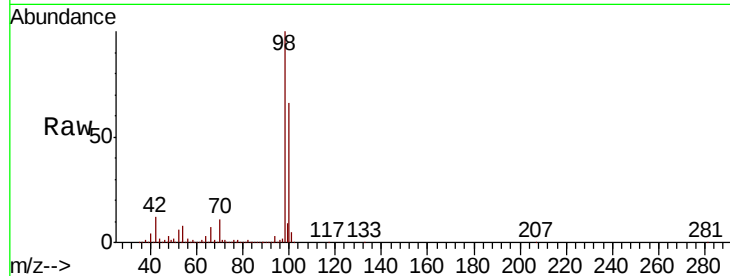




#50
Toluene-d8
Concen: 49.014 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

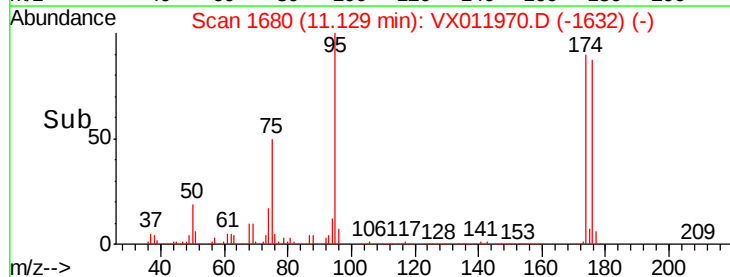
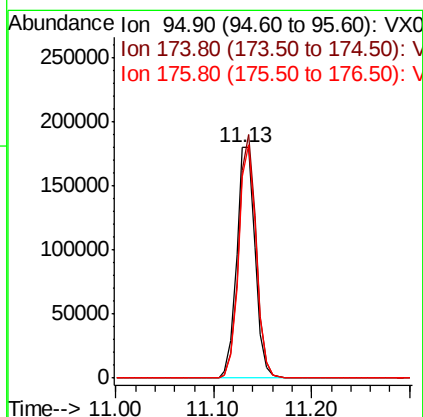
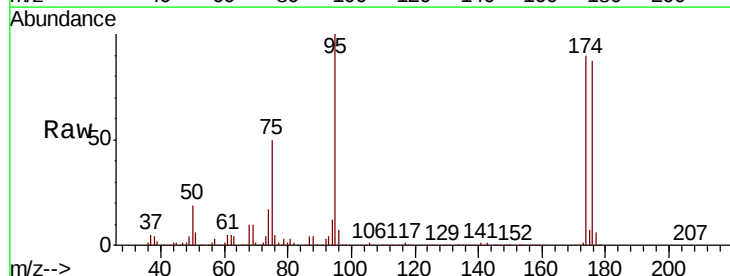
Instrument :
MSVOA_X
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T9-12-13-F3-(1.9)

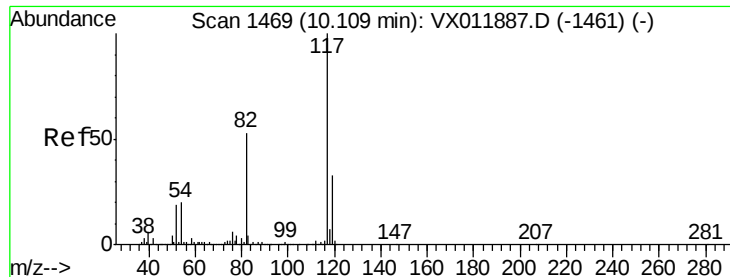
Tgt Ion: 98 Resp: 647186
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 40.630 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

Tgt Ion: 95 Resp: 235333
Ion Ratio Lower Upper
95 100
174 100.0 0.0 196.0
176 96.5 0.0 191.4

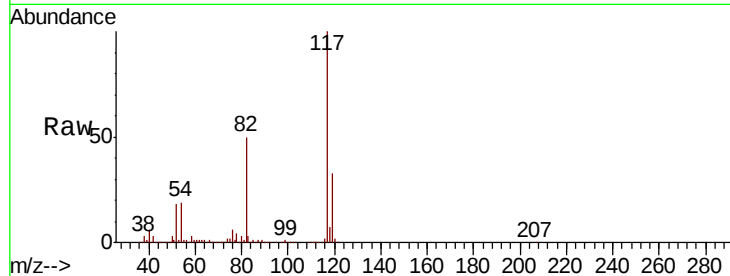




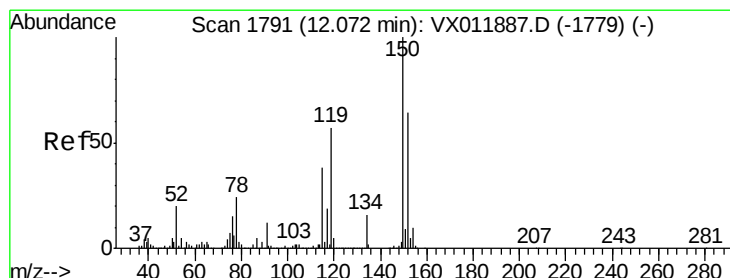
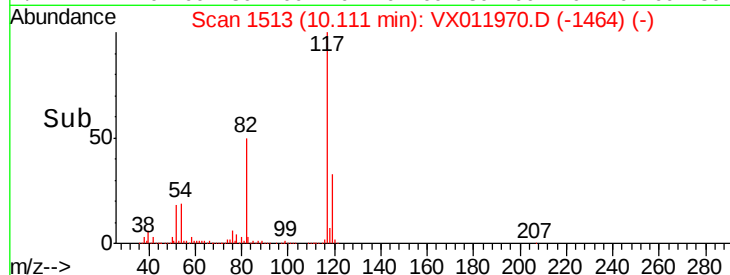
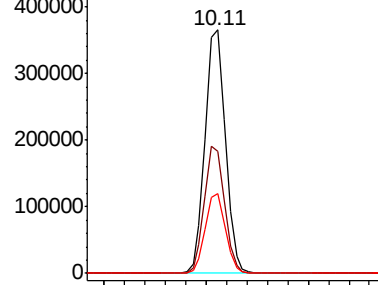
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F3-(1.9)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	42.0	63.0
119	32.7	26.2	39.4

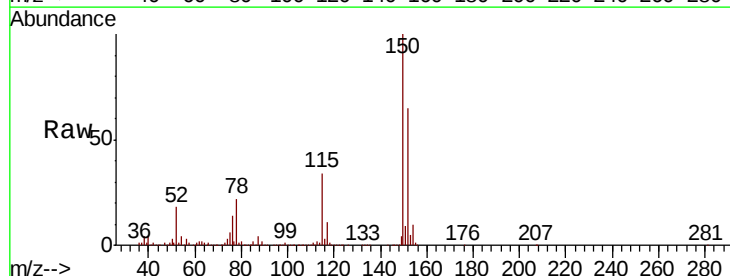


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

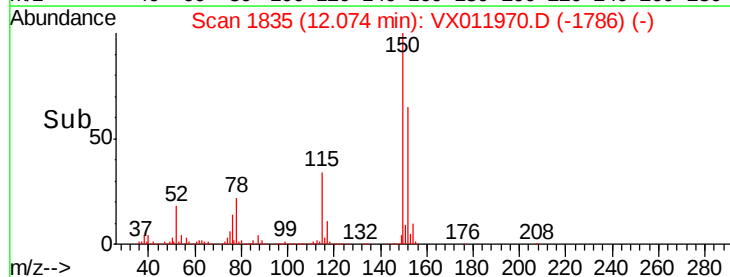
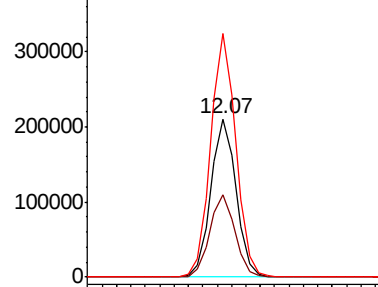


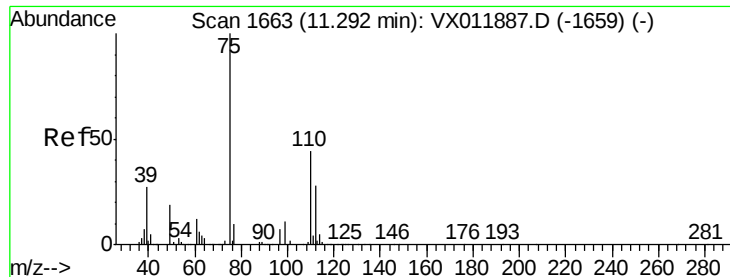
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011970.D
Acq: 01 Sep 2019 01:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	37.1	111.3
150	153.3	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

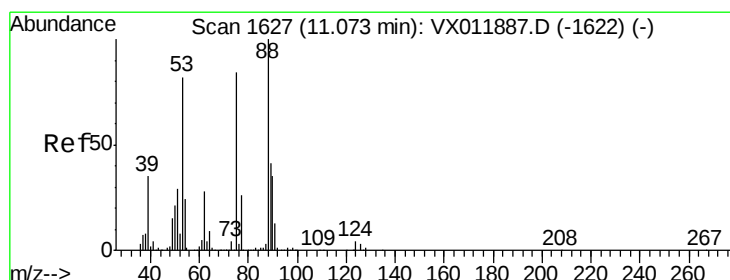
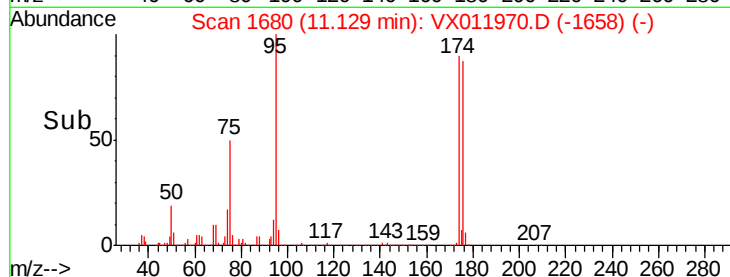
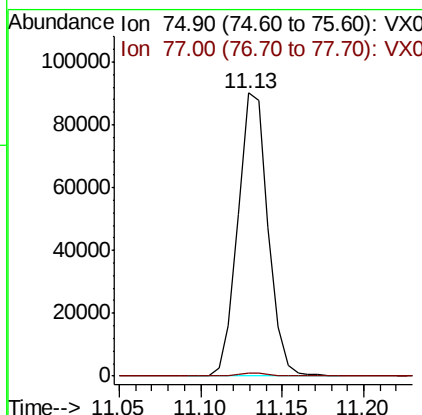
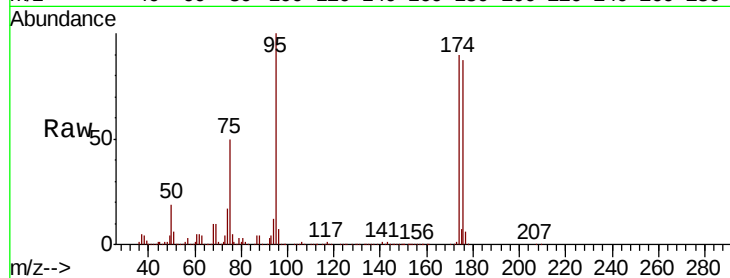




#76
 1,2,3-Trichloropropane
 Concen: 45.907 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX011970.D
 Acq: 01 Sep 2019 01:12

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(1.9)

Tgt Ion: 75 Resp: 116042
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.326 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011970.D
 Acq: 01 Sep 2019 01:12

Tgt Ion: 75 Resp: 116042
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.1 115.7#
 89 0.0 38.2 57.2#

