

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011971.D
 Acq On : 01 Sep 2019 01:41
 Operator : SY/SP
 Sample : K4526-13
 Misc : 3.03g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F4-(1.9)

Quant Time: Sep 01 04:06:38 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	429135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	545470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	468048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	230421	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	168967	41.10	ug/l	0.00
Spiked Amount			Recovery	=	82.20%	
35) Dibromofluoromethane	5.48	113	156394	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	
50) Toluene-d8	8.71	98	604388	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.14	95	214954	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

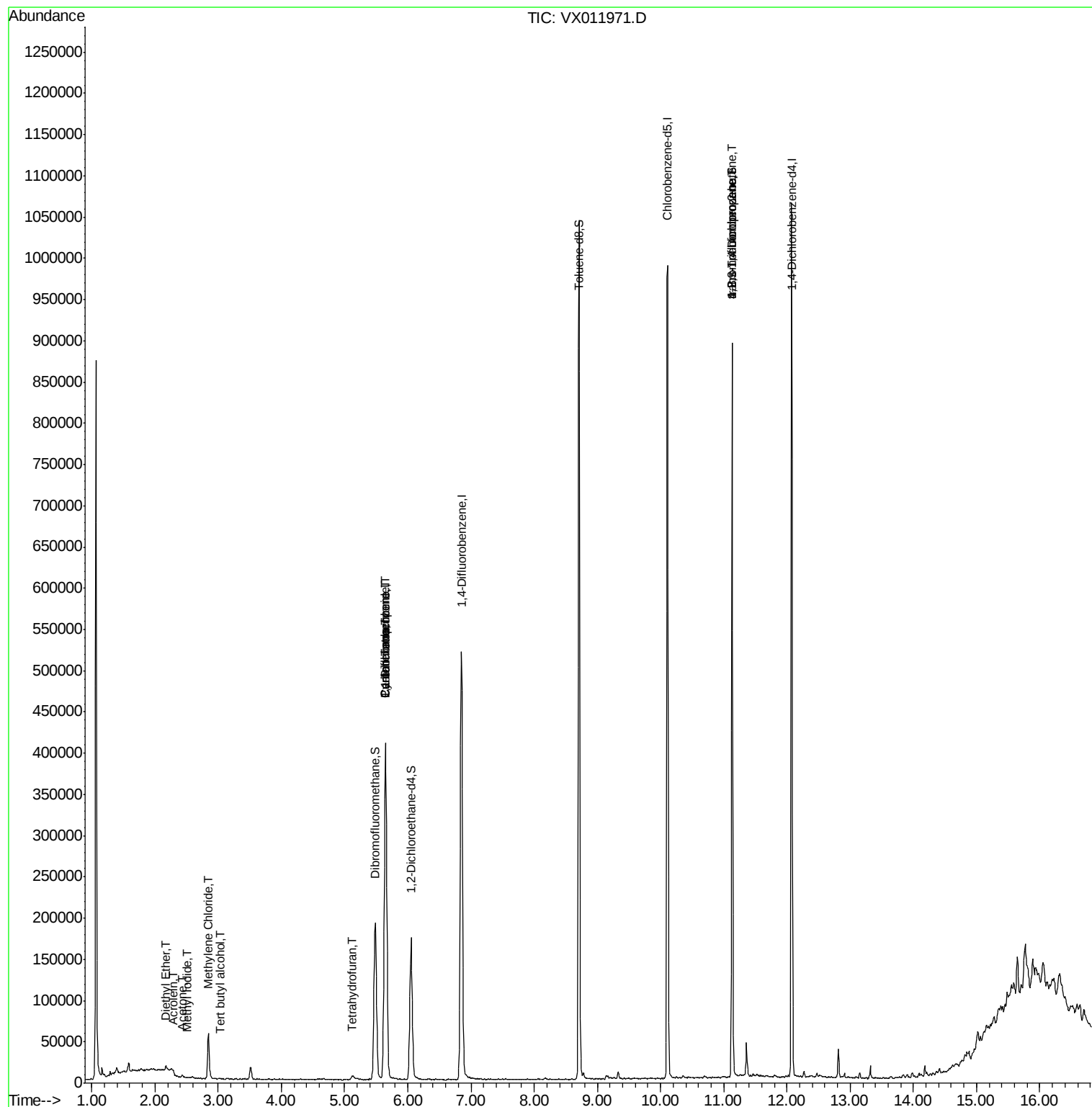
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1966	1.149	ug/l	98
10) Methyl Iodide	2.50	142	442	3.792	ug/l #	80
11) Tert butyl alcohol	3.02	59	1044	2.639	ug/l	94
13) Acrolein	2.29	56	242	1.229	ug/l	87
16) Acetone	2.43	43	2285	2.583	ug/l	98
20) Methylene Chloride	2.84	84	25984	2.188	ug/l	99
29) Tetrahydrofuran	5.12	42	4502	5.598	ug/l #	91
31) Cyclohexane	5.64	56	6985	1.361	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	25658	5.937	ug/l #	51
38) Carbon Tetrachloride	5.64	117	36109	7.205	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	107802	47.560	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	107802	119.479	ug/l #	11

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
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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: VX011971.D

Acq: 01 Sep 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

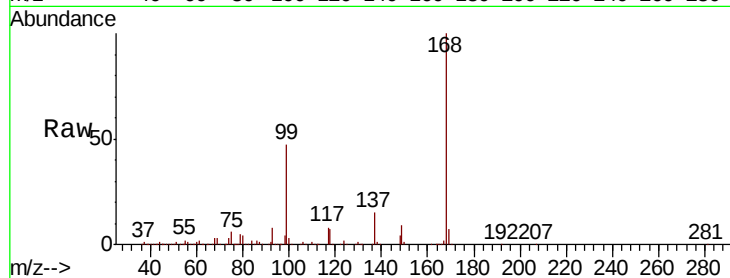
T9-12-13-F4-(1.9)

Tgt Ion:168 Resp: 429135

Ion Ratio Lower Upper

168 100

99 46.8 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

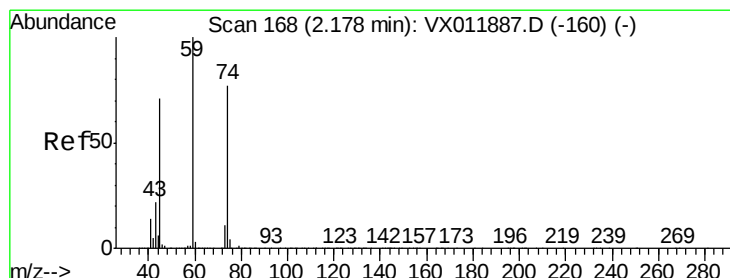
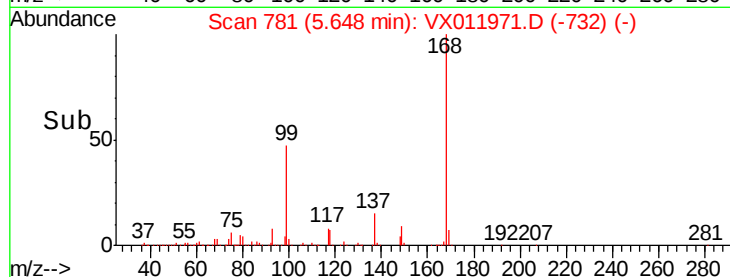
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.149 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011971.D

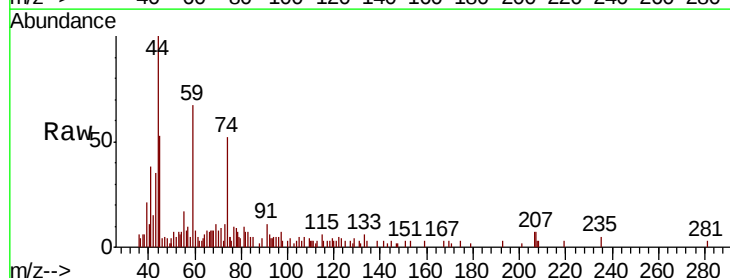
Acq: 01 Sep 2019 01:41

Tgt Ion: 74 Resp: 1966

Ion Ratio Lower Upper

74 100

45 91.9 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

1500

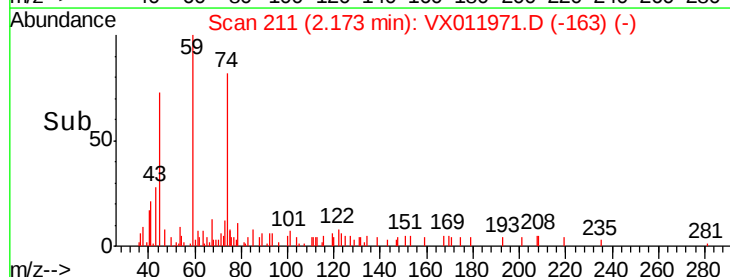
1000

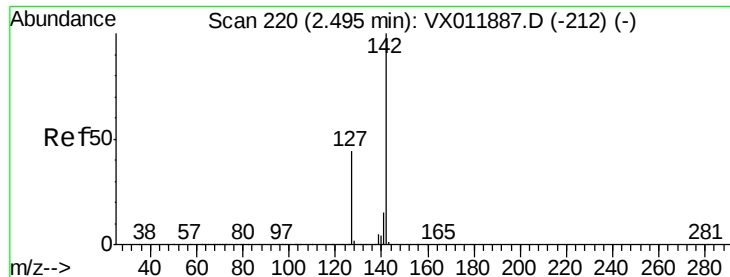
500

0

Time-->

2.10 2.15 2.20 2.25

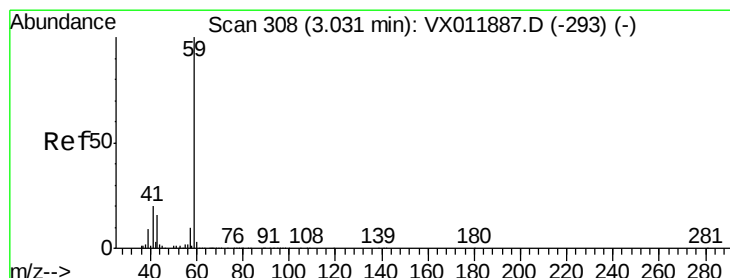
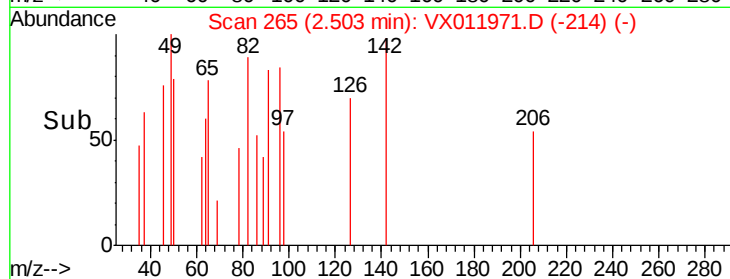
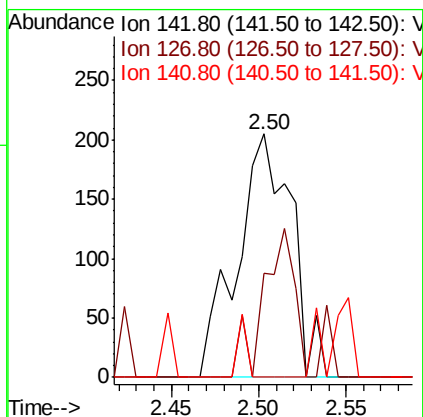
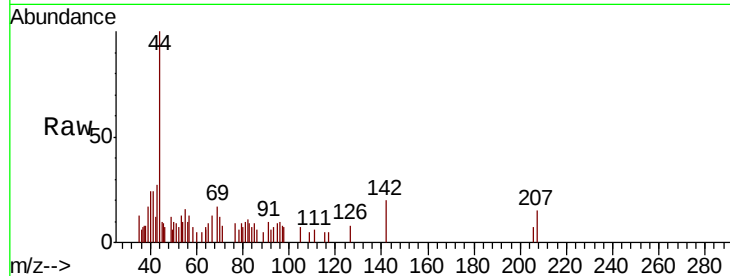




#10
Methyl Iodide
Concen: 3.792 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

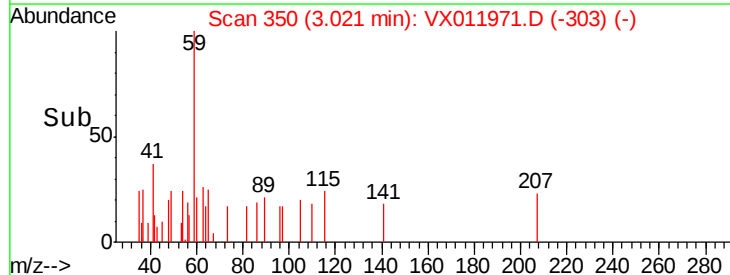
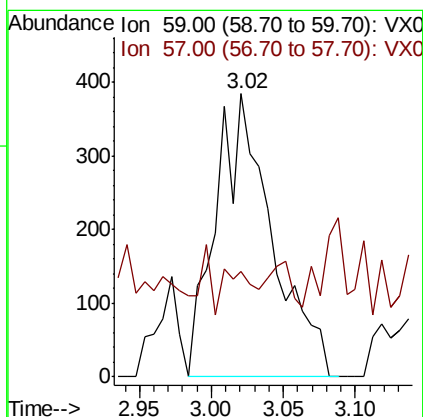
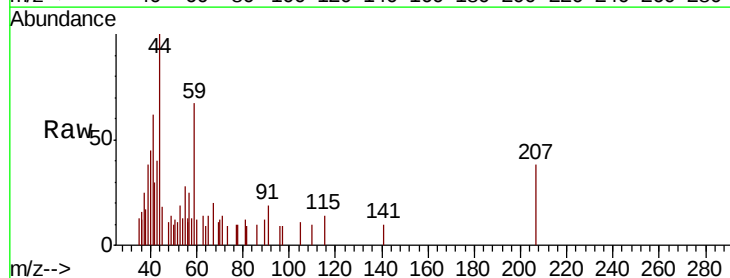
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F4-(1.9)

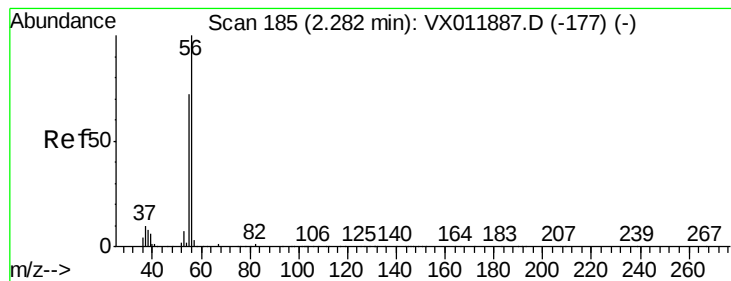
Tgt Ion:142 Resp: 442
Ion Ratio Lower Upper
142 100
127 35.3 35.7 53.5#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.639 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Tgt Ion: 59 Resp: 1044
Ion Ratio Lower Upper
59 100
57 8.6 8.6 12.8





#13

Acrolein

Concen: 1.229 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX011971.D

Acq: 01 Sep 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

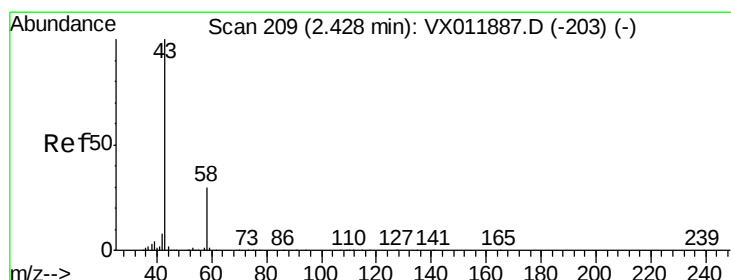
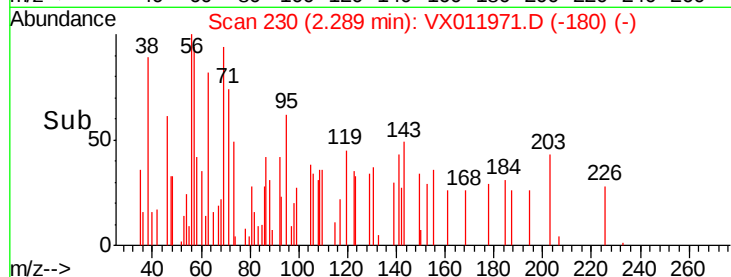
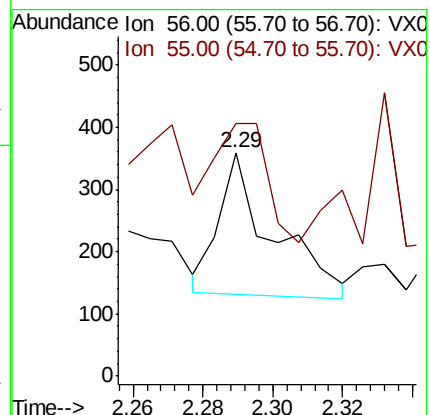
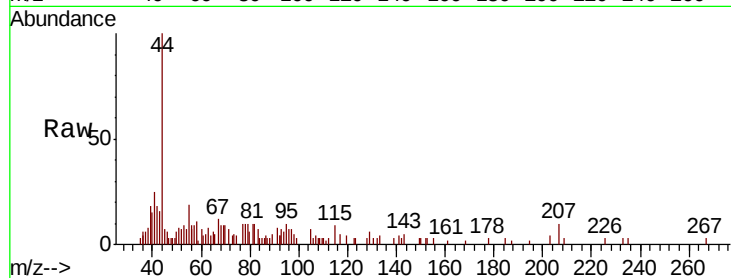
T9-12-13-F4-(1.9)

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 83.9 58.6 88.0



#16

Acetone

Concen: 2.583 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011971.D

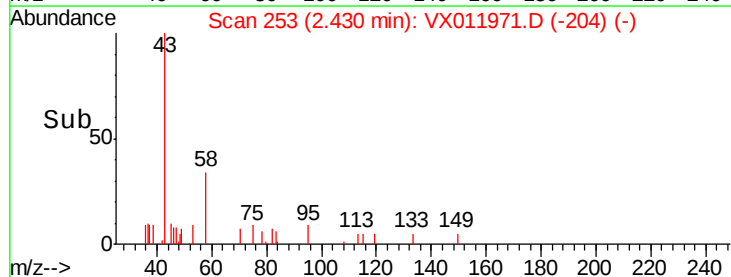
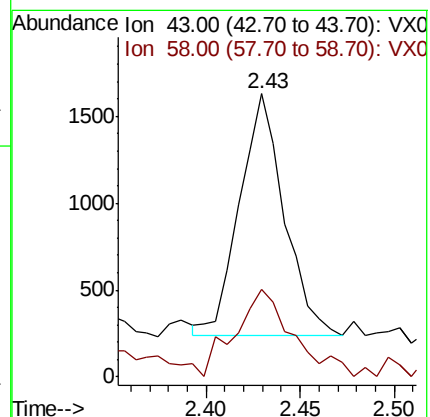
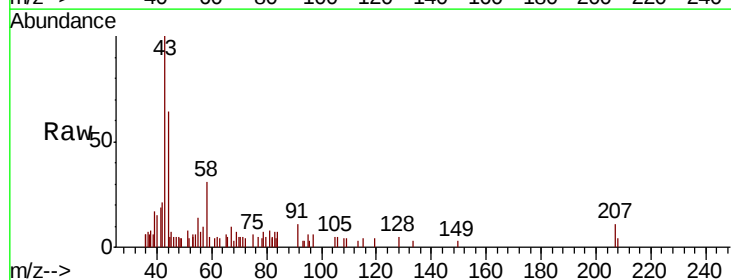
Acq: 01 Sep 2019 01:41

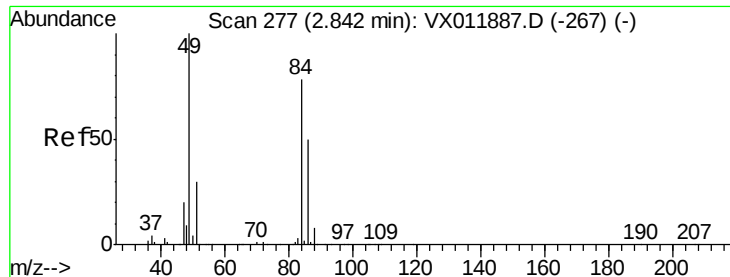
Tgt Ion: 43 Resp: 2285

Ion Ratio Lower Upper

43 100

58 30.8 23.8 35.8

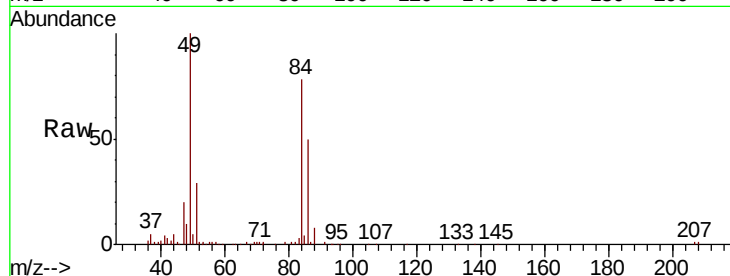




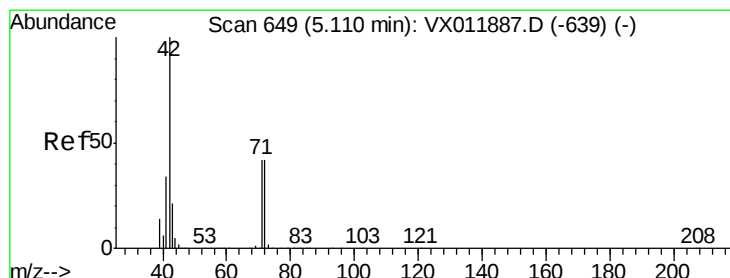
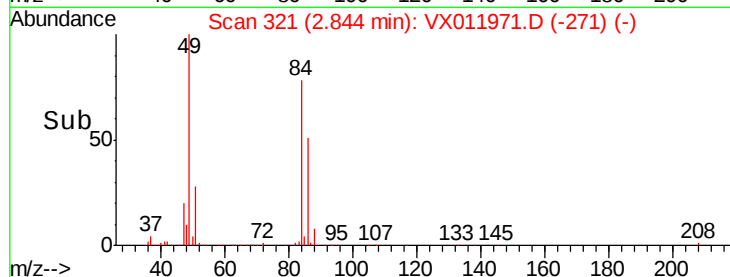
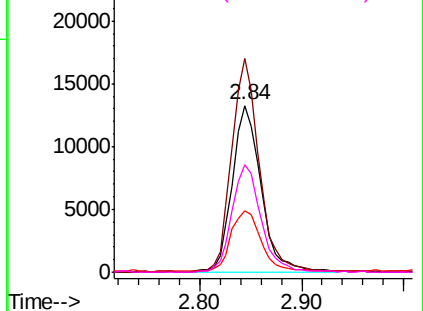
#20
Methylene Chloride
Concen: 2.188 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F4-(1.9)

Tgt Ion: 84 Resp: 25984
Ion Ratio Lower Upper
84 100
49 128.3 103.0 154.4
51 35.8 30.8 46.2
86 64.5 51.3 76.9

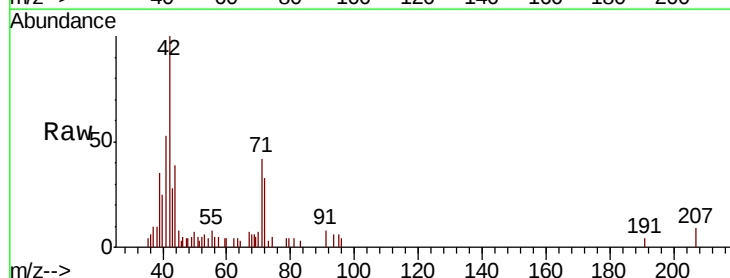


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

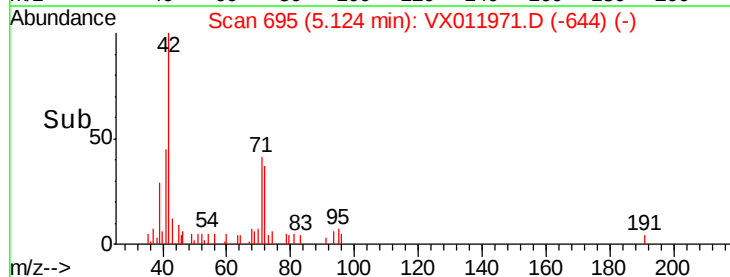
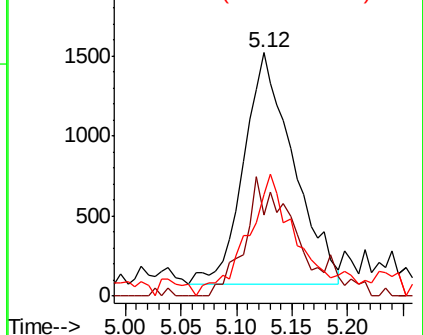


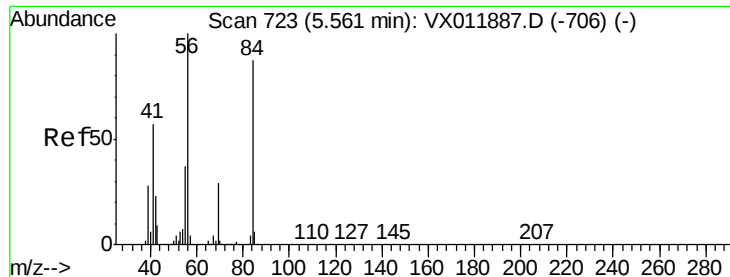
#29
Tetrahydrofuran
Concen: 5.598 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Tgt Ion: 42 Resp: 4502
Ion Ratio Lower Upper
42 100
72 48.2 36.2 54.4
71 50.4 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

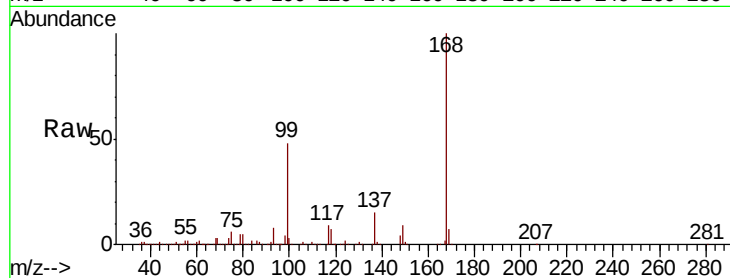




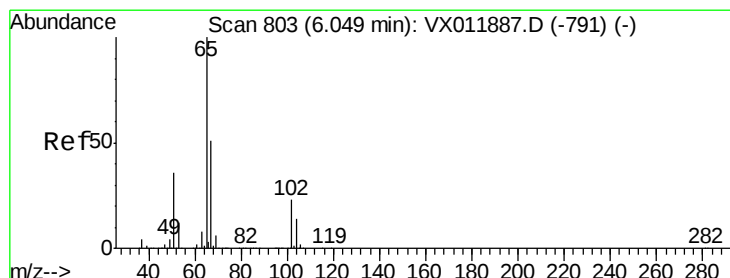
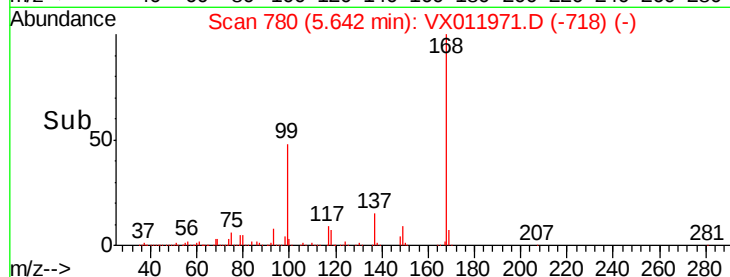
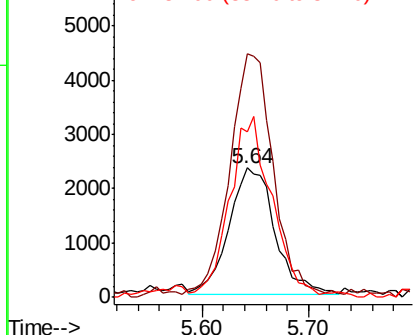
#31
Cyclohexane
Concen: 1.361 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F4-(1.9)

Tgt Ion: 56 Resp: 6985
Ion Ratio Lower Upper
56 100
69 190.8 23.1 34.7#
84 128.3 69.6 104.4#

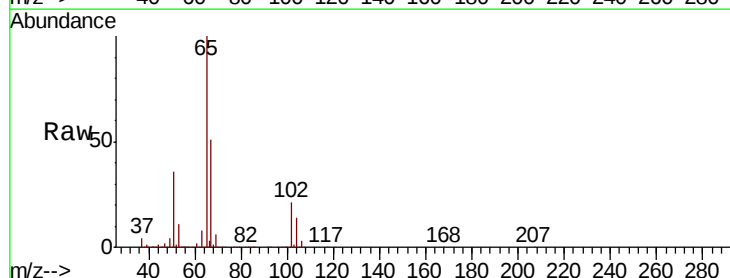


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

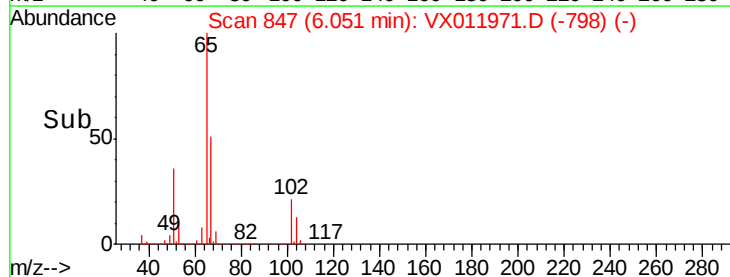
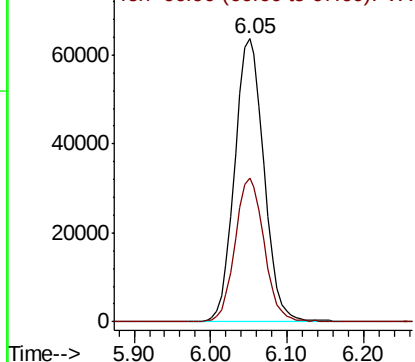


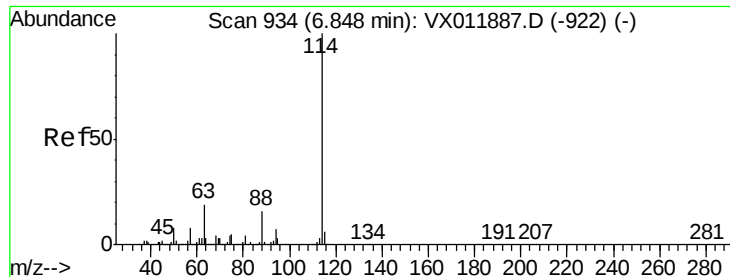
#33
1,2-Dichloroethane-d4
Concen: 41.096 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Tgt Ion: 65 Resp: 168967
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: VX011971.D

Acq: 01 Sep 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F4-(1.9)

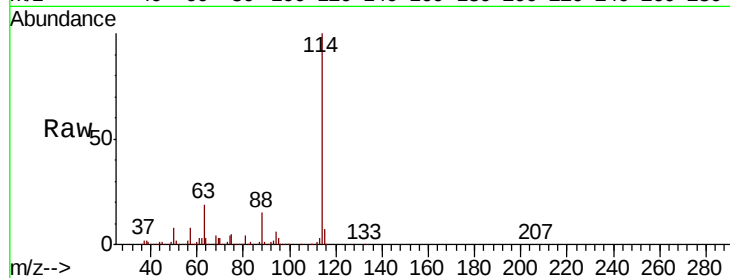
Tgt Ion:114 Resp: 545470

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

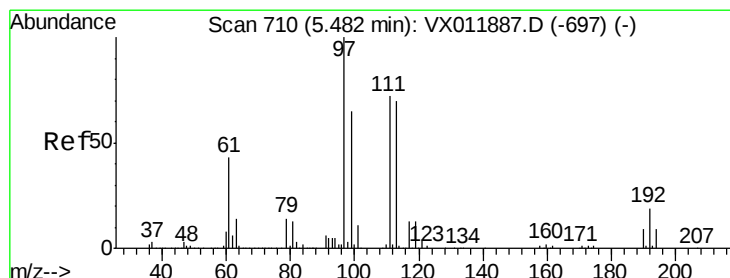
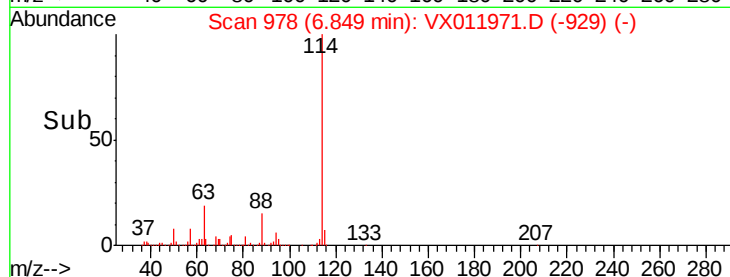
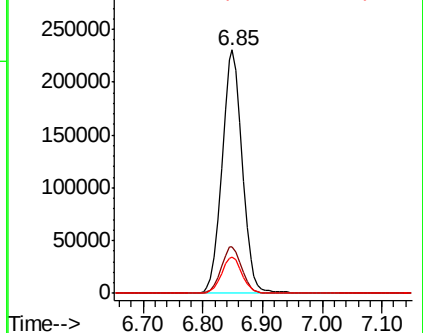
88 15.1 0.0 31.2



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: 44.712 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011971.D

Acq: 01 Sep 2019 01:41

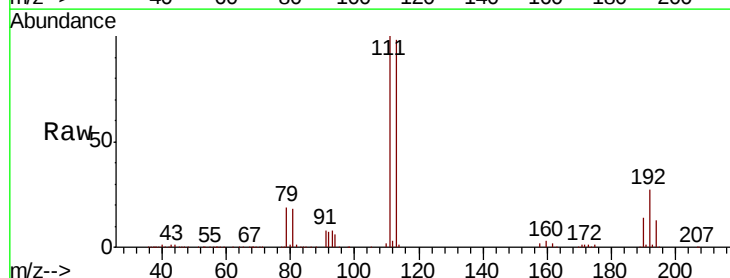
Tgt Ion:113 Resp: 156394

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

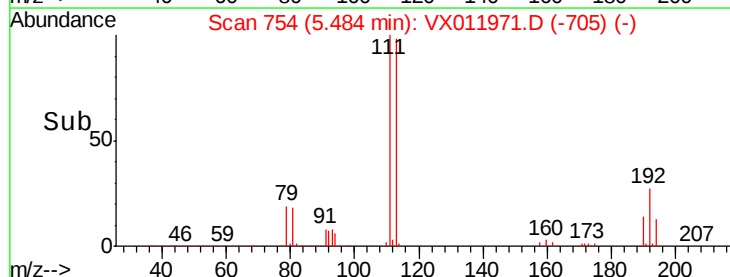
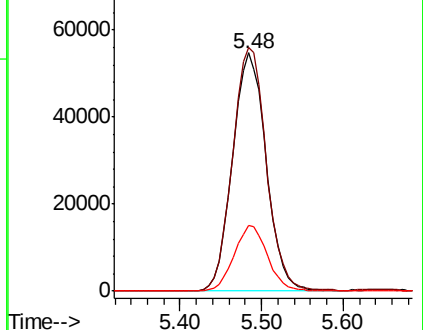
192 27.4 21.5 32.3

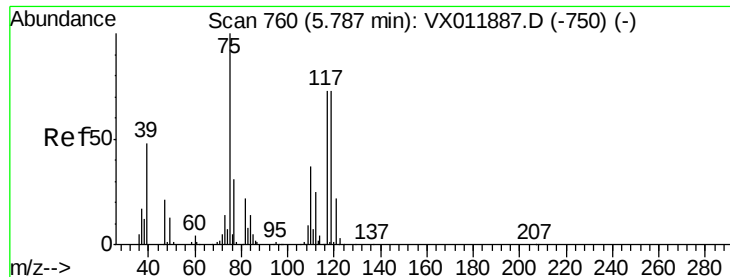


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.937 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX011971.D

Acq: 01 Sep 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F4-(1.9)

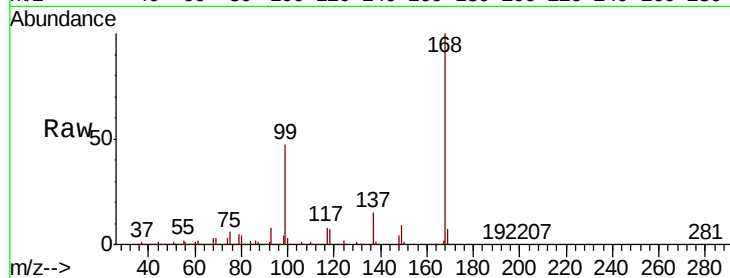
Tgt Ion: 75 Resp: 25658

Ion Ratio Lower Upper

75 100

110 11.5 19.1 57.3#

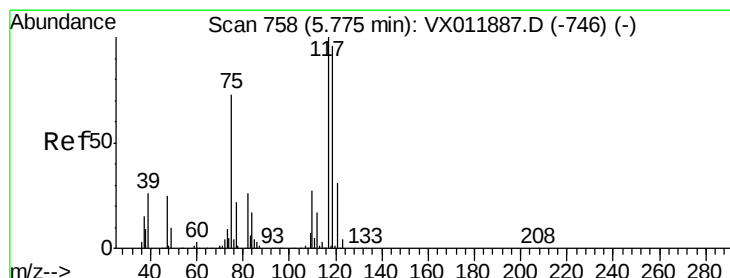
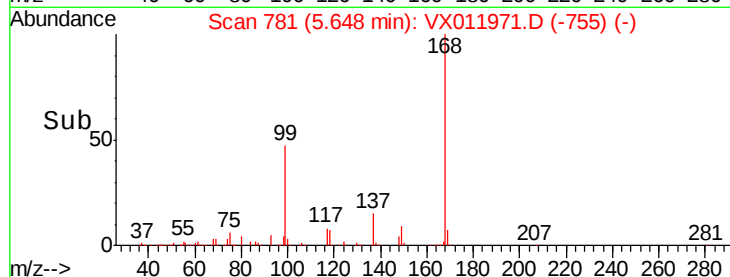
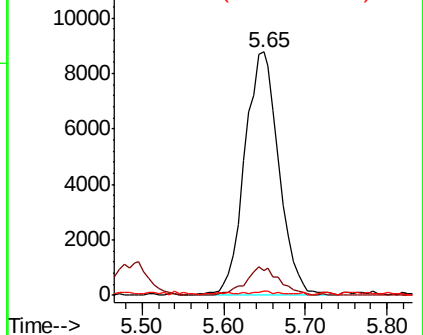
77 0.8 24.4 36.6#



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: 7.205 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011971.D

Acq: 01 Sep 2019 01:41

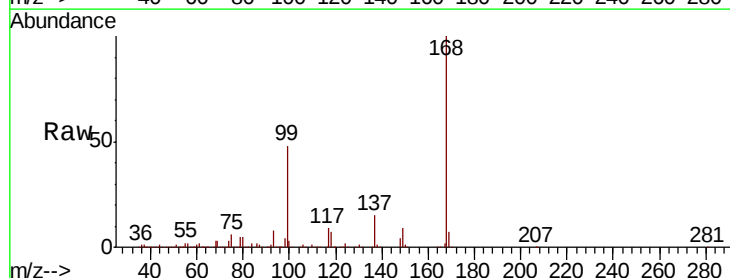
Tgt Ion: 117 Resp: 36109

Ion Ratio Lower Upper

117 100

119 5.2 76.6 114.8#

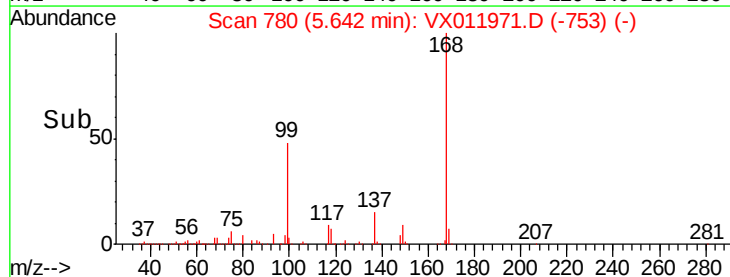
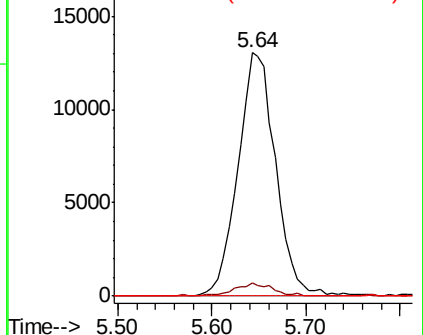
121 0.0 24.7 37.1#

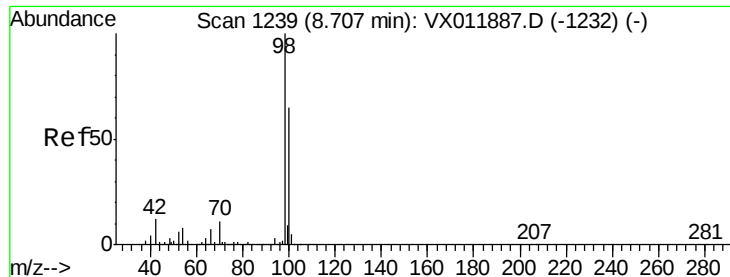


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

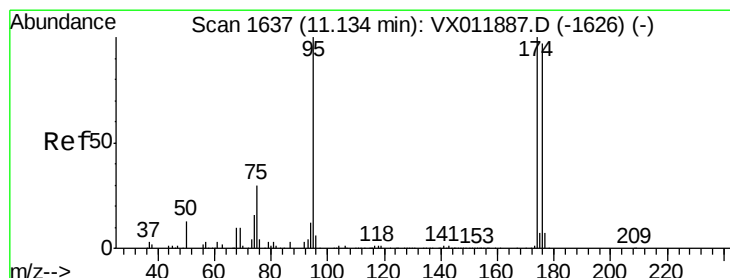
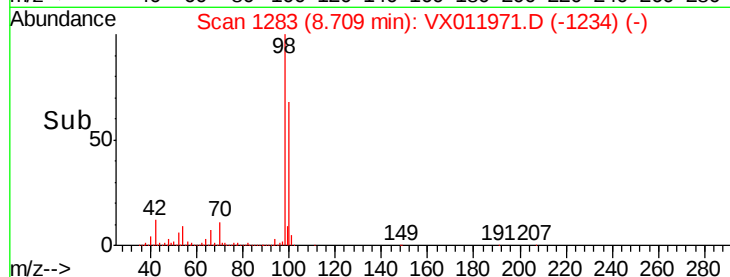
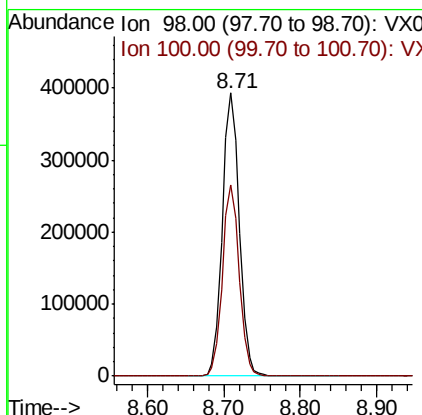
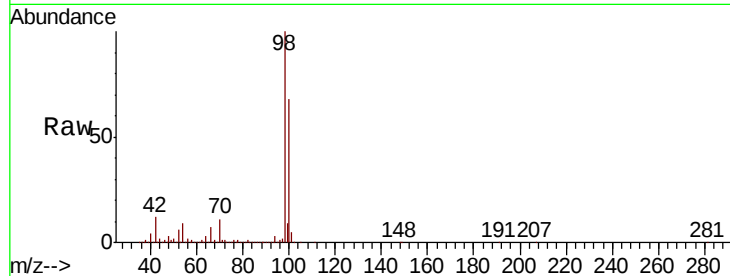




#50
Toluene-d8
Concen: 48.338 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

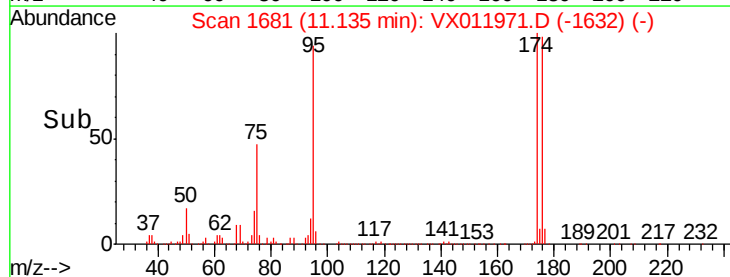
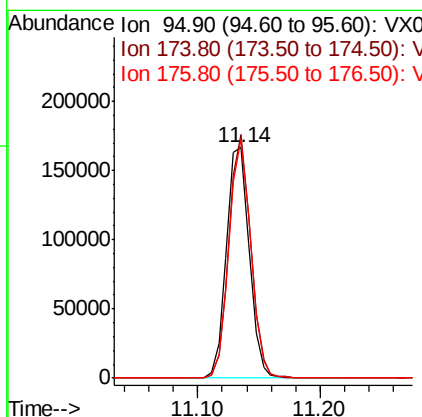
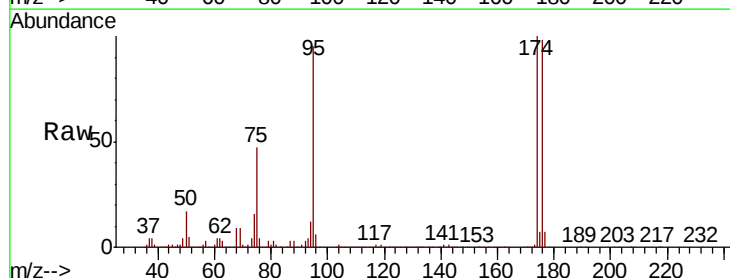
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F4-(1.9)

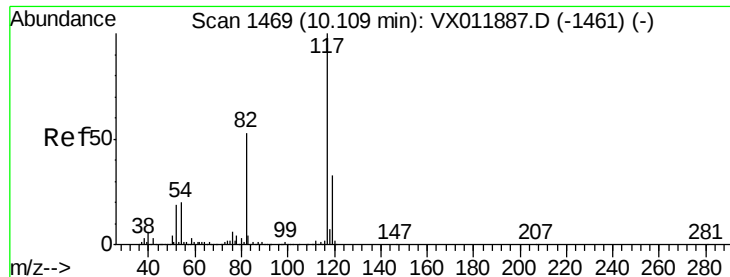
Tgt Ion: 98 Resp: 604388
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 39.191 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Tgt Ion: 95 Resp: 214954
Ion Ratio Lower Upper
95 100
174 100.6 0.0 196.0
176 98.3 0.0 191.4

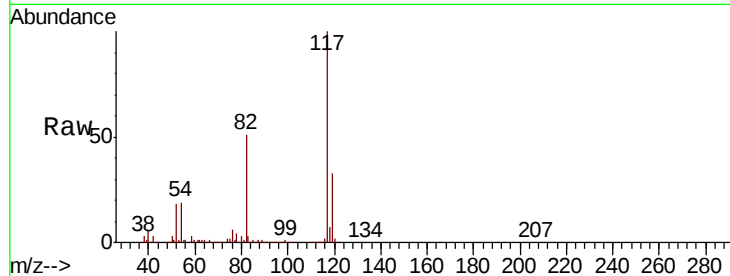




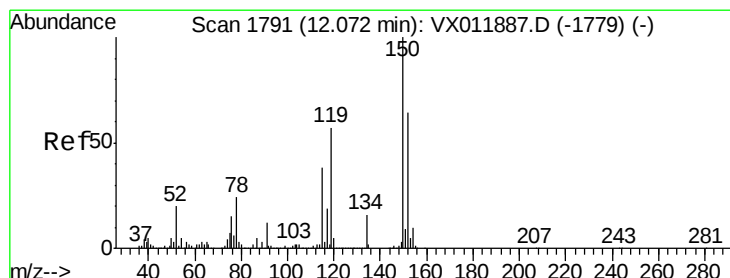
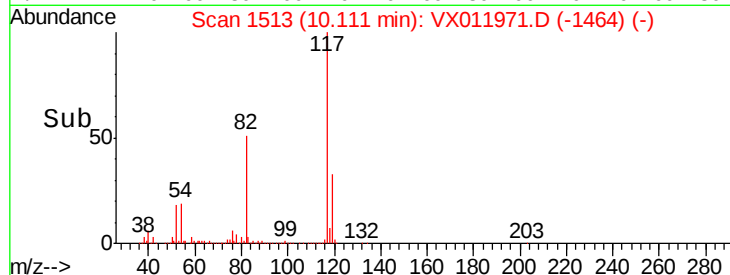
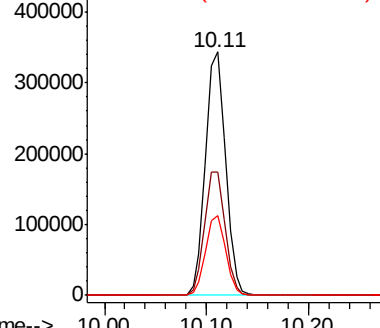
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F4-(1.9)

Tgt Ion:117 Resp: 468048
Ion Ratio Lower Upper
117 100
82 50.8 42.0 63.0
119 32.5 26.2 39.4

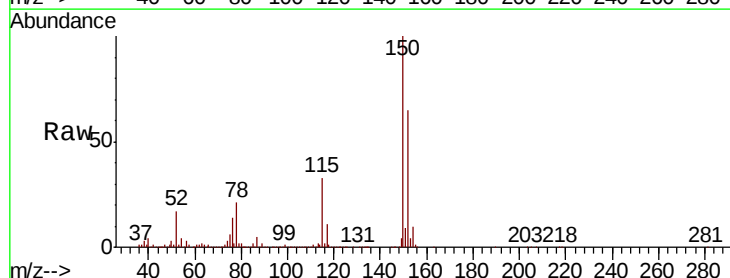


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

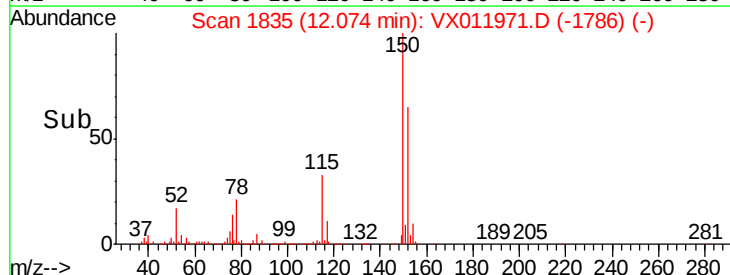
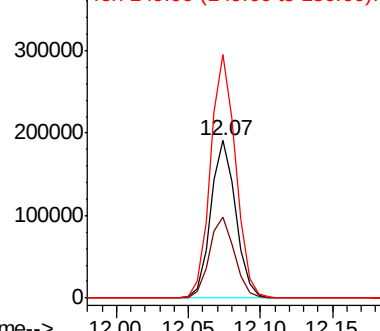


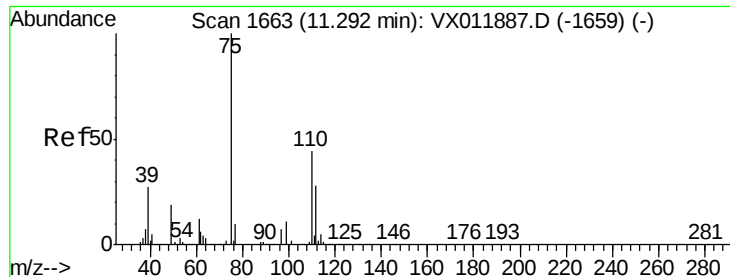
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011971.D
Acq: 01 Sep 2019 01:41

Tgt Ion:152 Resp: 230421
Ion Ratio Lower Upper
152 100
115 52.2 37.1 111.3
150 155.9 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: 47.560 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX011971.D

Acq: 01 Sep 2019 01:41

Instrument :

MSVOA_X

ClientSampleId :

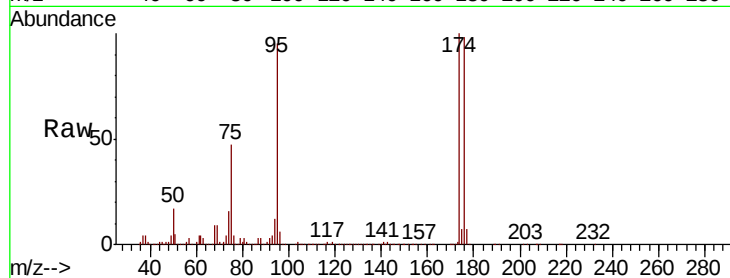
T9-12-13-F4-(1.9)

Tgt Ion: 75 Resp: 107802

Ion Ratio Lower Upper

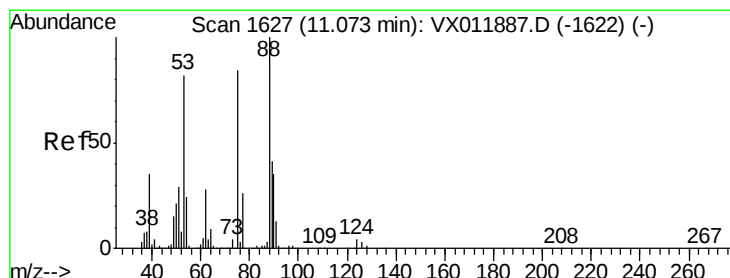
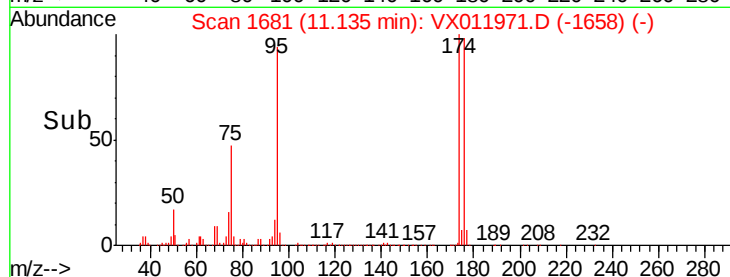
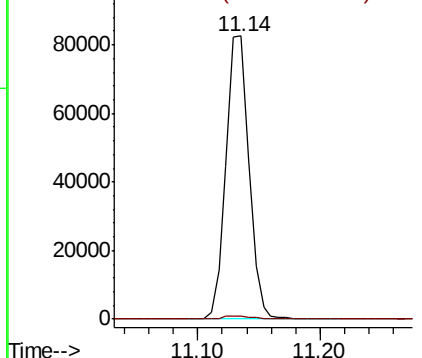
75 100

77 1.3 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: 119.479 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.06 min

Lab File: VX011971.D

Acq: 01 Sep 2019 01:41

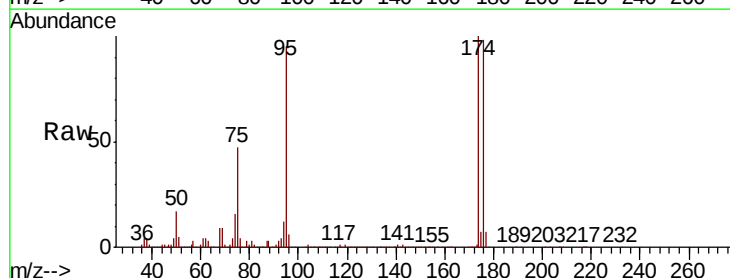
Tgt Ion: 75 Resp: 107802

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.2 57.2#



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

