

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011933.D
 Acq On : 31 Aug 2019 04:12
 Operator : SY/SP
 Sample : K4493-06
 Misc : 4.51g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 31 04:50:48 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	443356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	586658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	515817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	271021	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	185851	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	
35) Dibromofluoromethane	5.48	113	176497	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	8.71	98	667538	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.14	95	243842	41.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.68%	

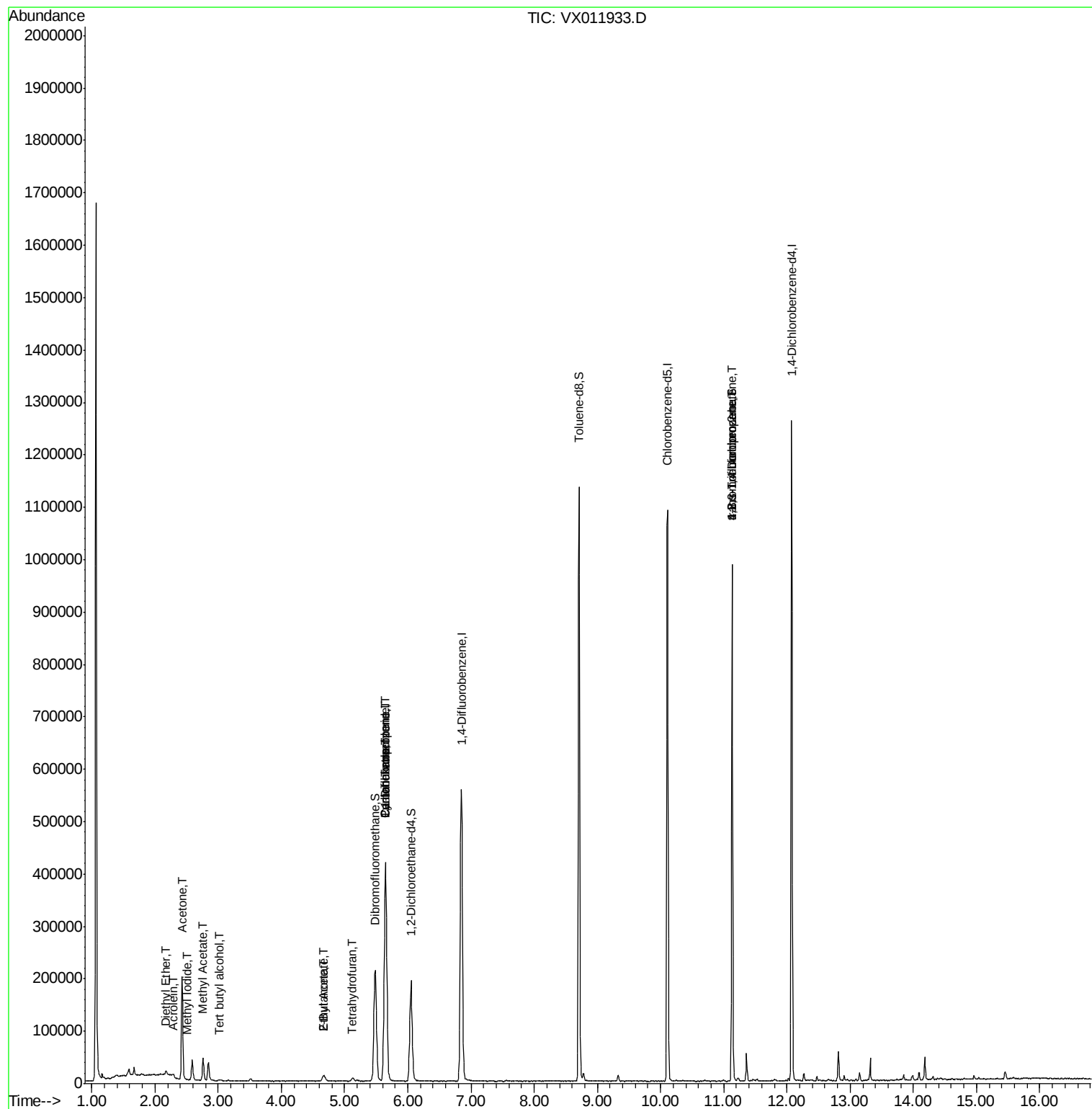
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2911	1.647	ug/l	95
10) Methyl Iodide	2.51	142	236	3.736	ug/l #	73
11) Tert butyl alcohol	3.02	59	2498	6.113	ug/l #	88
13) Acrolein	2.28	56	557	2.738	ug/l #	78
16) Acetone	2.43	43	212963	233.015	ug/l	99
18) Methyl Acetate	2.76	43	50162	19.827	ug/l	99
20) Methylene Chloride	2.84	84	16513	Below Cal		95
25) 2-Butanone	4.67	43	13457	10.109	ug/l	97
29) Tetrahydrofuran	5.13	42	5393	6.491	ug/l	95
31) Cyclohexane	5.65	56	7341	1.384	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	26892	5.786	ug/l #	50
37) Ethyl Acetate	4.67	43	13457	4.891	ug/l #	70
38) Carbon Tetrachloride	5.64	117	38286	7.103	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	123343	46.264	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	123343	116.224	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011933.D

Acq: 31 Aug 2019 04:12

Instrument :

MSVOA_X

ClientSampleId :

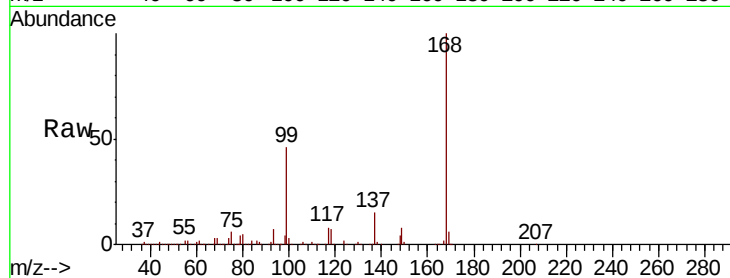
T9-12-13-I-(1.9)

Tgt Ion:168 Resp: 443356

Ion Ratio Lower Upper

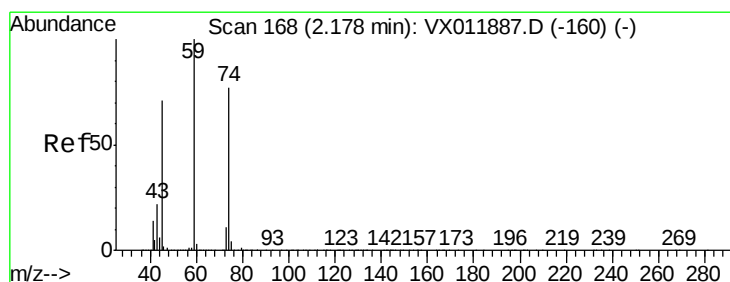
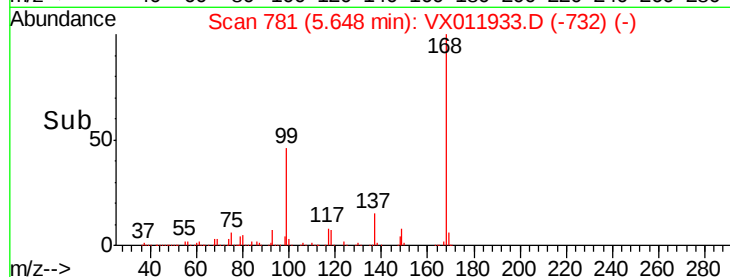
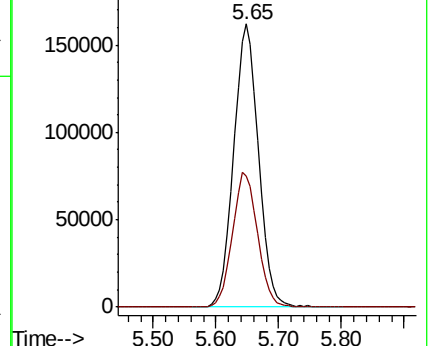
168 100

99 46.3 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.647 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011933.D

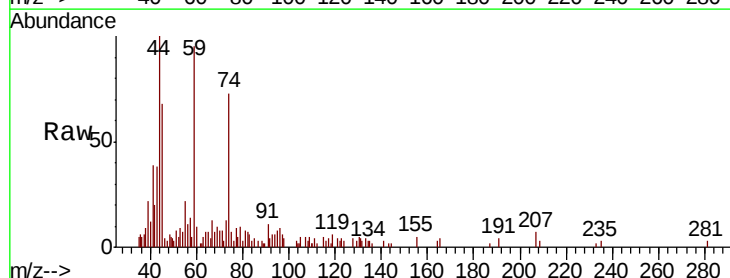
Acq: 31 Aug 2019 04:12

Tgt Ion: 74 Resp: 2911

Ion Ratio Lower Upper

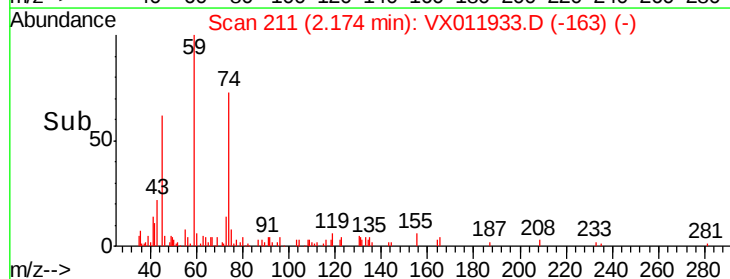
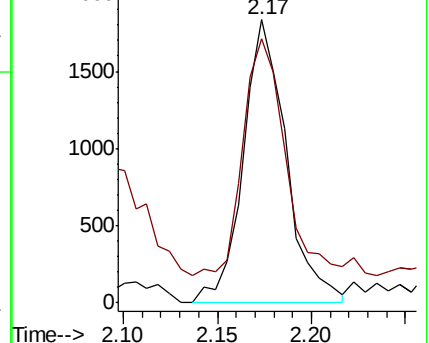
74 100

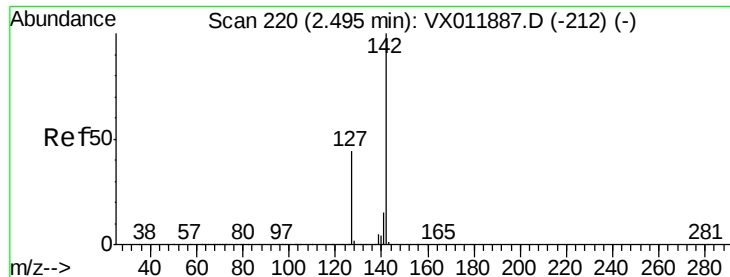
45 88.6 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

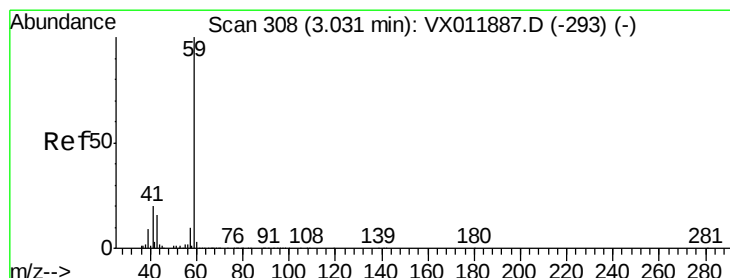
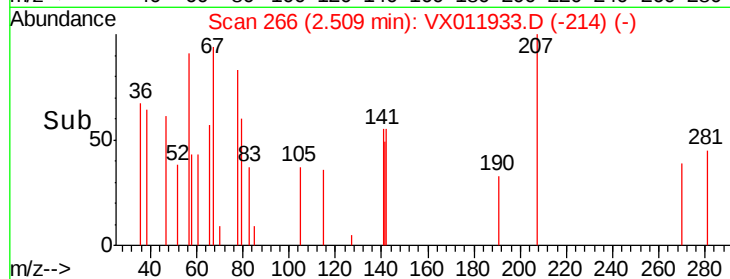
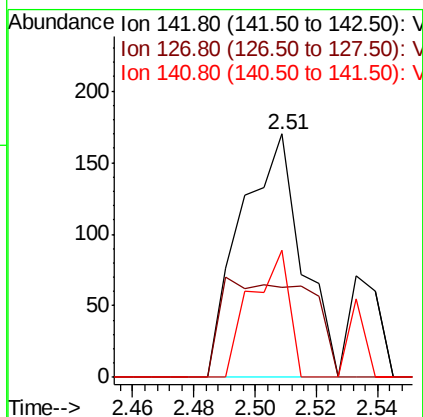
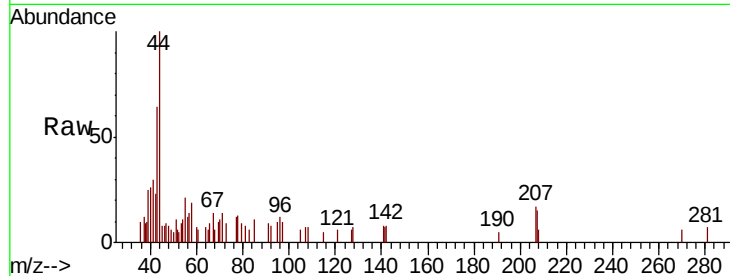




#10
Methyl Iodide
Concen: 3.736 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

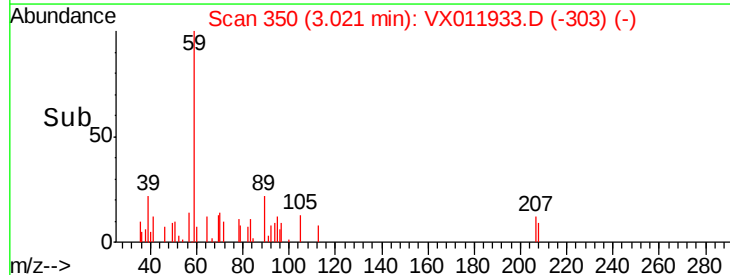
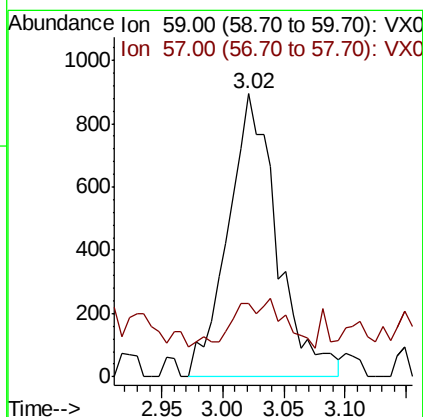
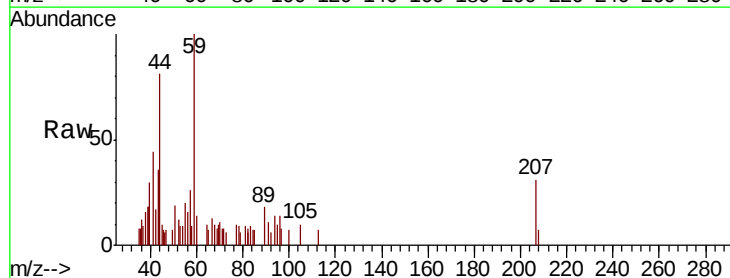
Instrument :
MSVOA_X
ClientSampled :
T9-12-13-I-(1.9)

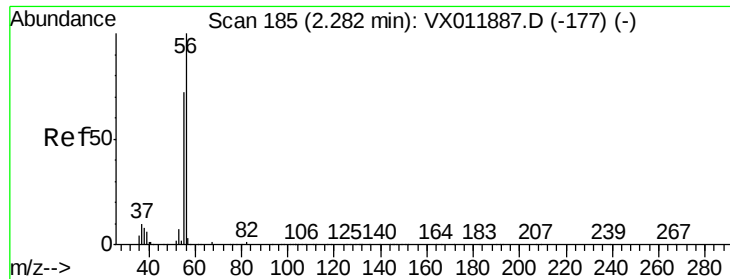
Tgt Ion:142 Resp: 236
Ion Ratio Lower Upper
142 100
127 58.9 35.7 53.5#
141 32.2 11.8 17.6#



#11
Tert butyl alcohol
Concen: 6.113 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

Tgt Ion: 59 Resp: 2498
Ion Ratio Lower Upper
59 100
57 6.4 8.6 12.8#





#13

Acrolein

Concen: 2.738 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX011933.D

Acq: 31 Aug 2019 04:12

Instrument :

MSVOA_X

ClientSampled :

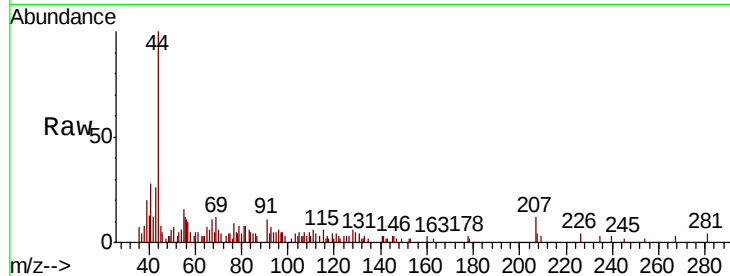
T9-12-13-I-(1.9)

Tgt Ion: 56 Resp: 557

Ion Ratio Lower Upper

56 100

55 54.4 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

600

400

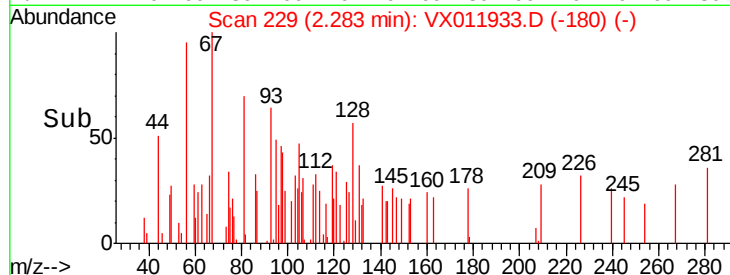
200

0

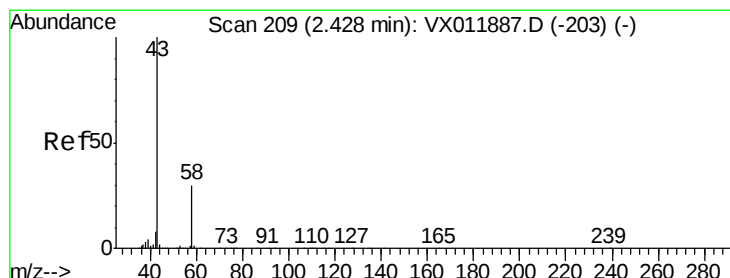
2.25

2.30

2.35



Time-->



#16

Acetone

Concen: 233.015 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011933.D

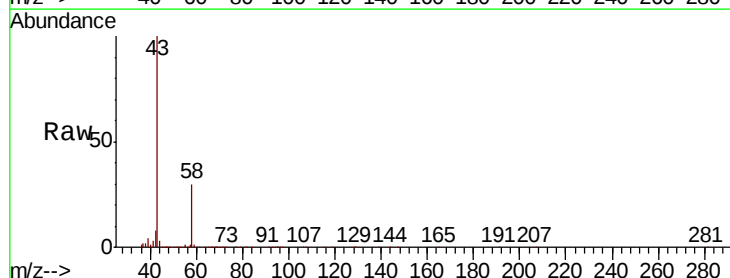
Acq: 31 Aug 2019 04:12

Tgt Ion: 43 Resp: 212963

Ion Ratio Lower Upper

43 100

58 30.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

100000

50000

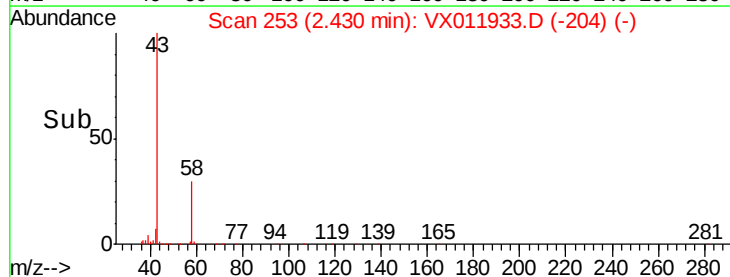
0

2.43

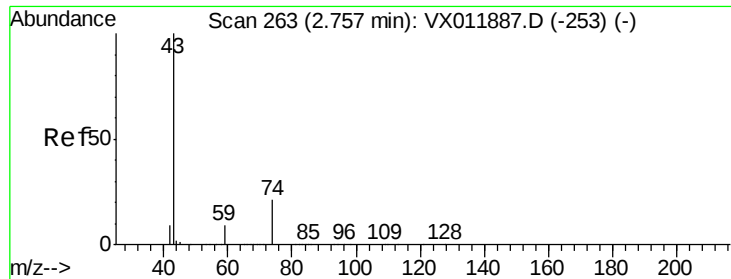
2.30

2.40

2.50



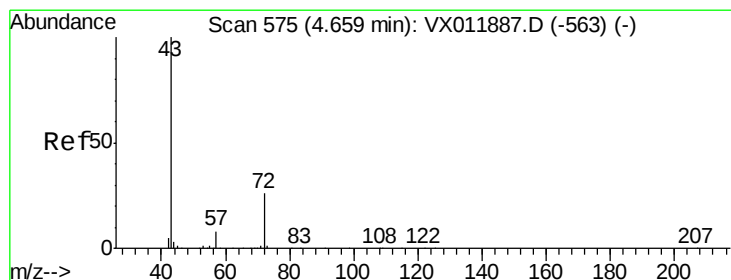
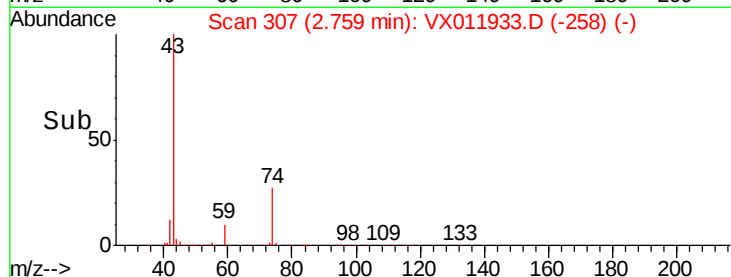
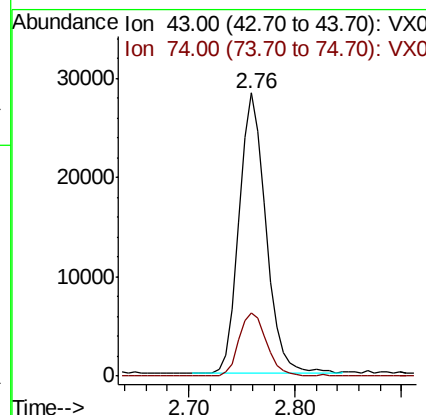
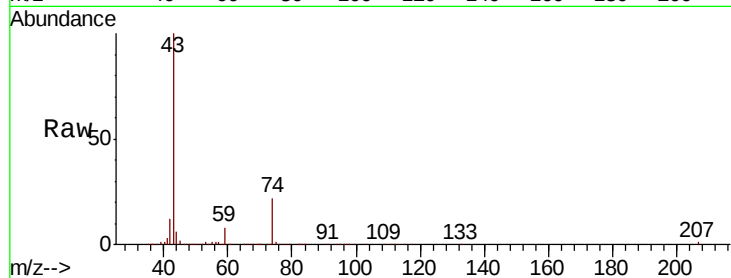
Time-->



#18
Methyl Acetate
Concen: 19.827 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

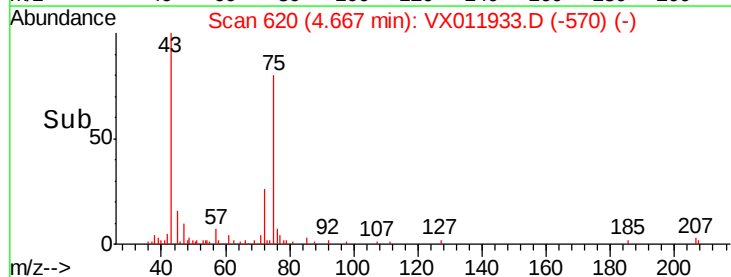
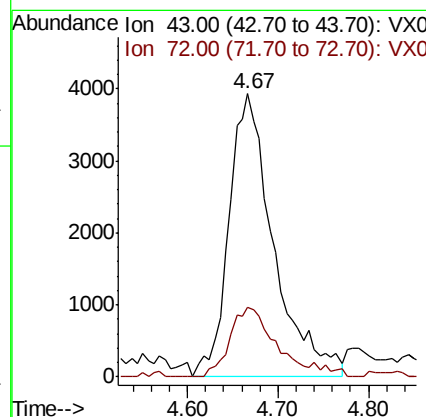
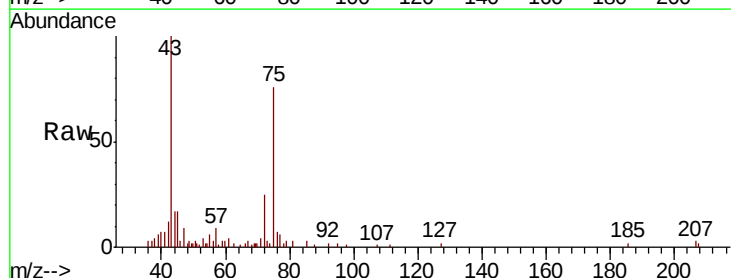
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-I-(1.9)

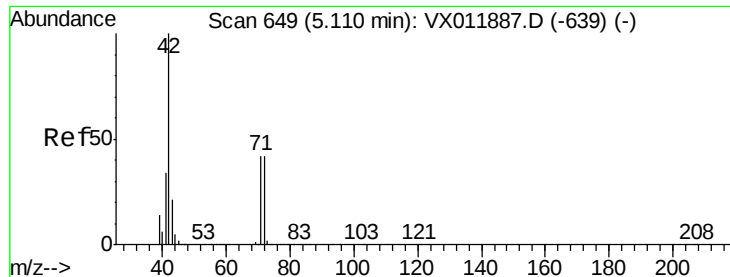
Tgt Ion: 43 Resp: 50162
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#25
2-Butanone
Concen: 10.109 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

Tgt Ion: 43 Resp: 13457
Ion Ratio Lower Upper
43 100
72 24.6 21.0 31.4

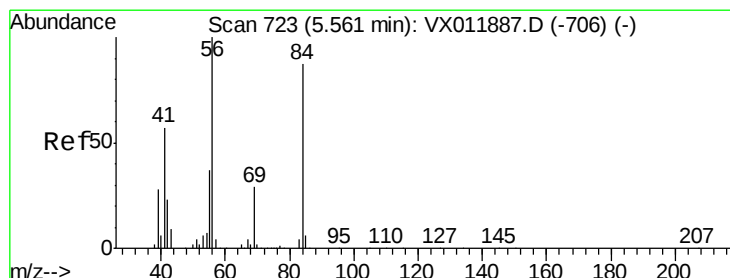
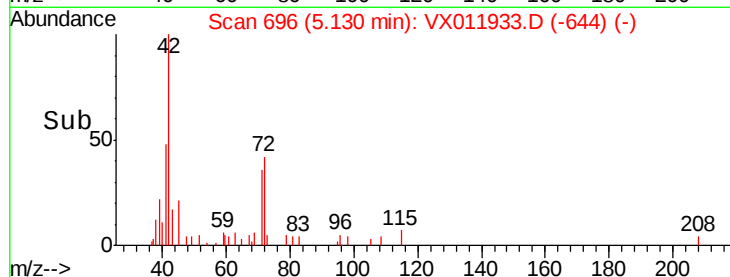
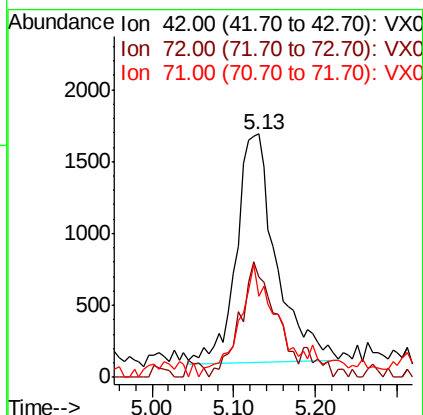
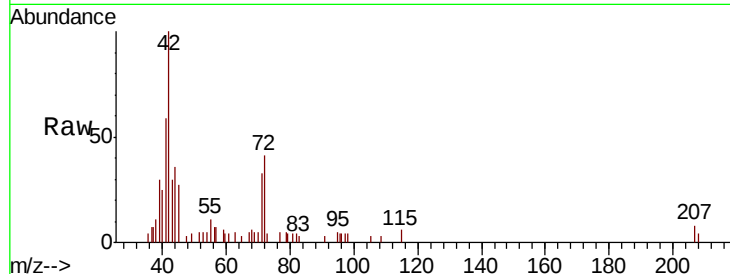




#29
Tetrahydrofuran
Concen: 6.491 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

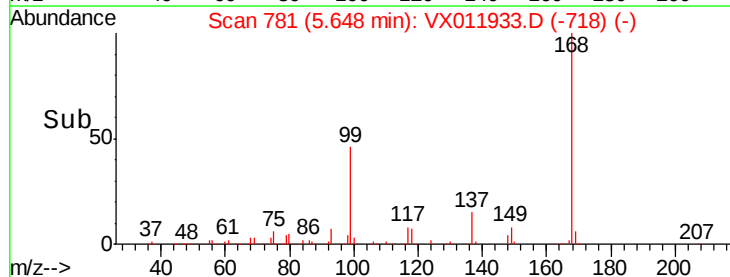
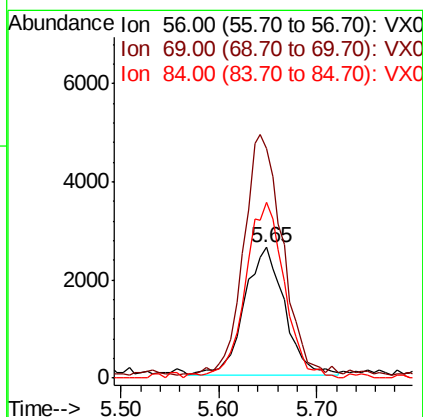
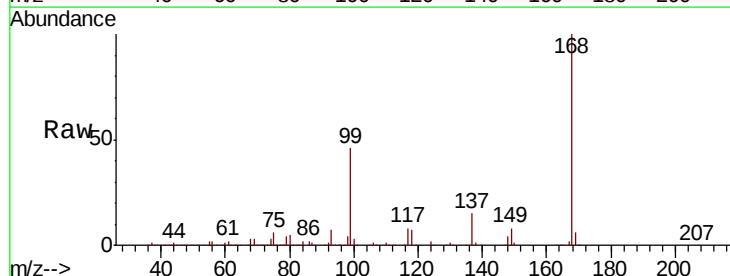
Instrument :
MSVOA_X
ClientSampled :
T9-12-13-I-(1.9)

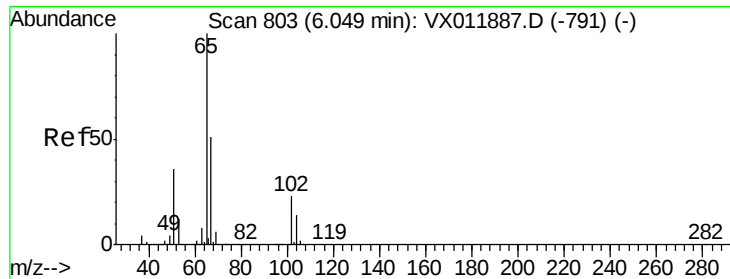
Tgt Ion: 42 Resp: 5393
Ion Ratio Lower Upper
42 100
72 44.6 36.2 54.4
71 47.0 33.1 49.7



#31
Cyclohexane
Concen: 1.384 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

Tgt Ion: 56 Resp: 7341
Ion Ratio Lower Upper
56 100
69 176.9 23.1 34.7#
84 138.3 69.6 104.4#

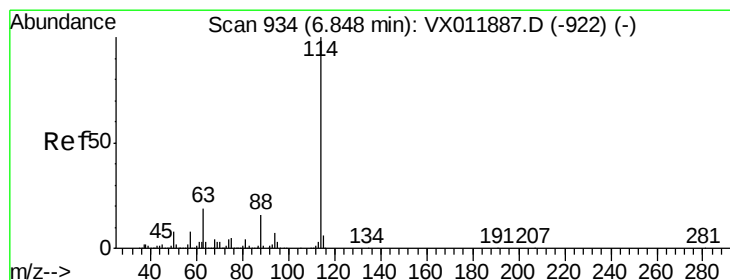
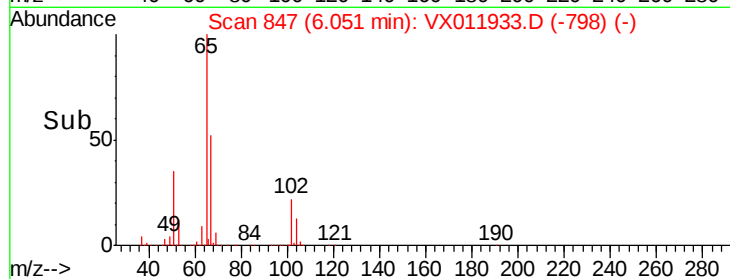
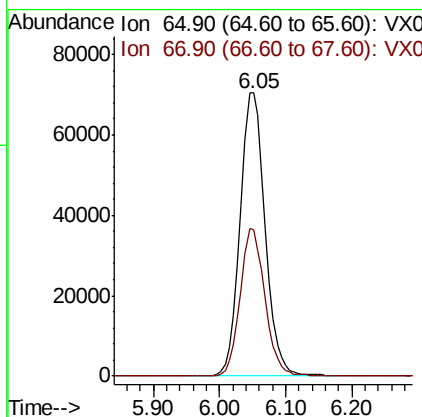
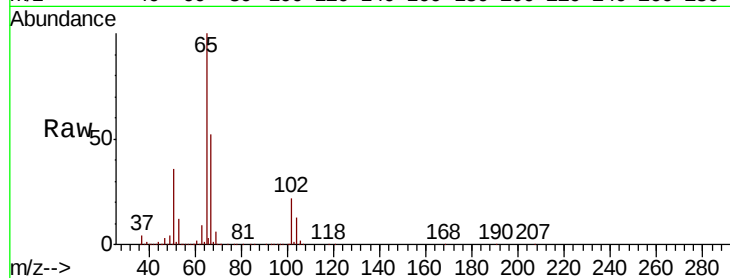




#33
 1,2-Dichloroethane-d4
 Concen: 43.752 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011933.D
 Acq: 31 Aug 2019 04:12

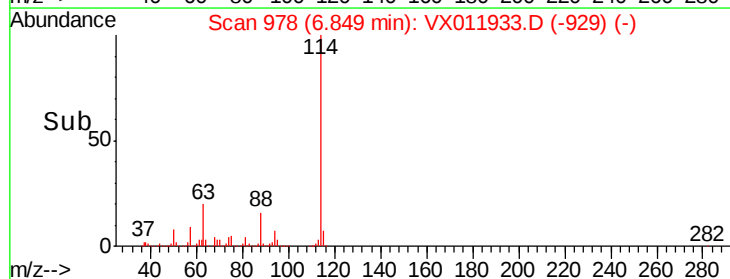
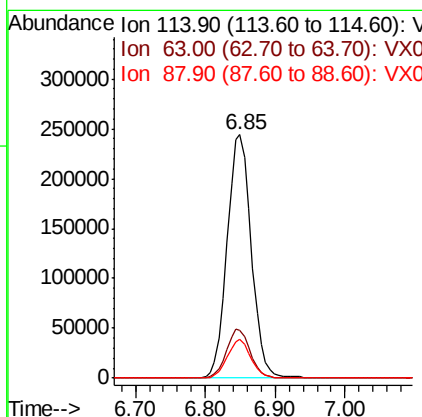
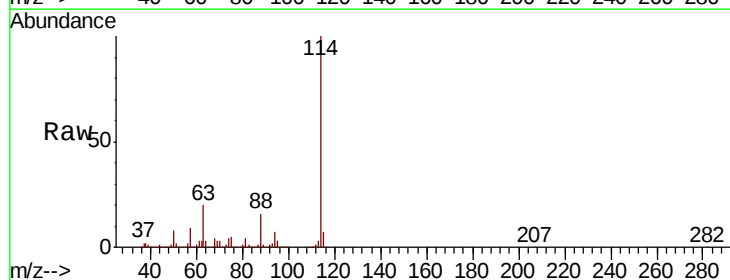
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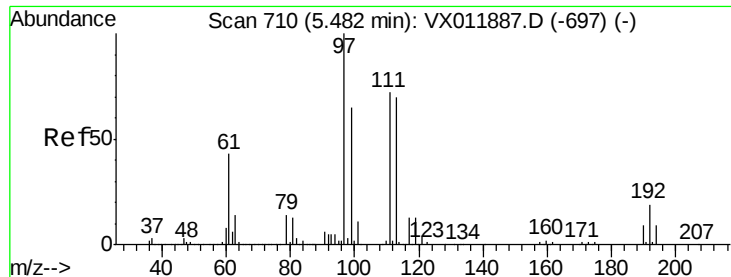
Tgt Ion: 65 Resp: 185851
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011933.D
 Acq: 31 Aug 2019 04:12

Tgt Ion: 114 Resp: 586658
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.8
 88 16.0 0.0 31.2

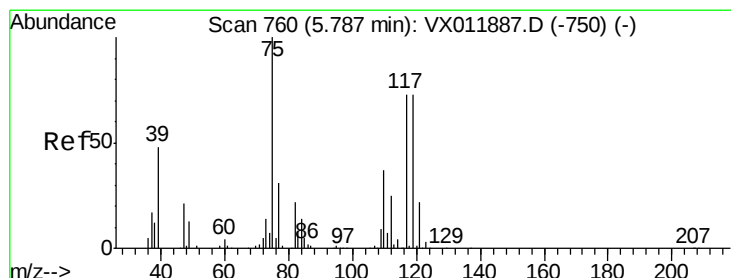
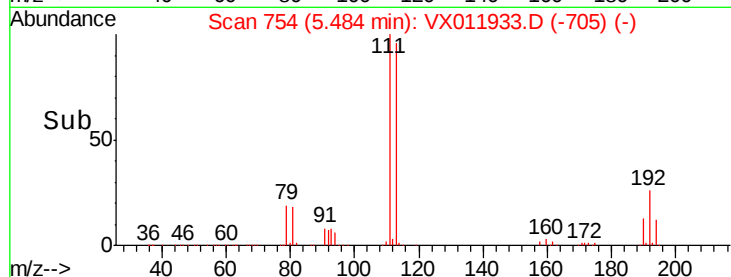
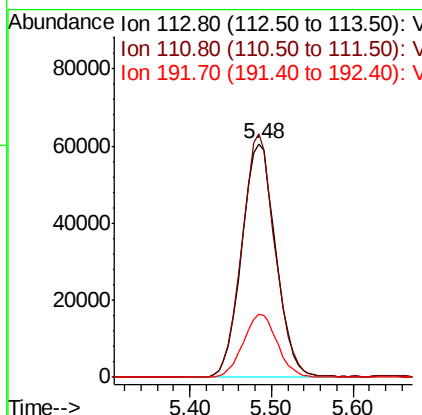
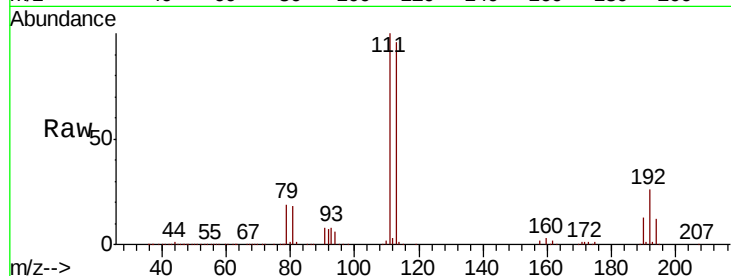




#35
 Dibromofluoromethane
 Concen: 46.917 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011933.D
 Acq: 31 Aug 2019 04:12

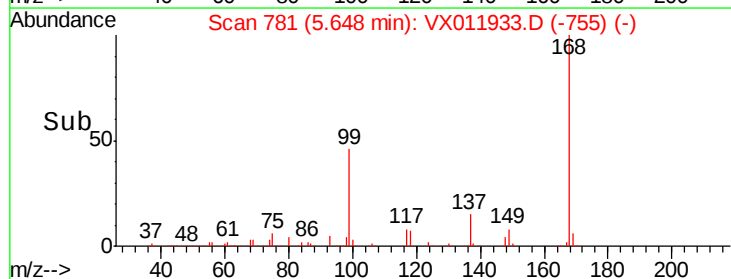
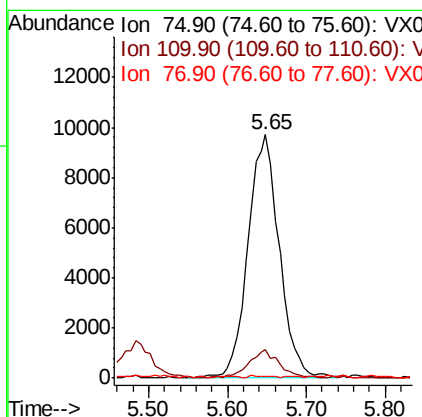
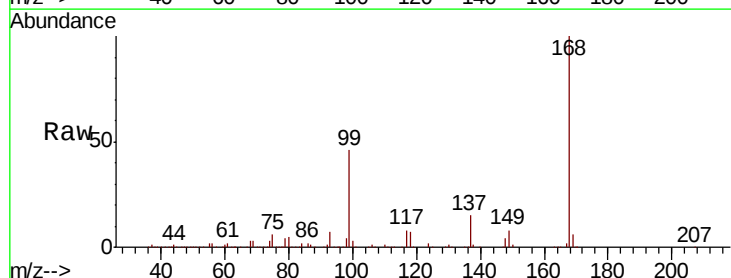
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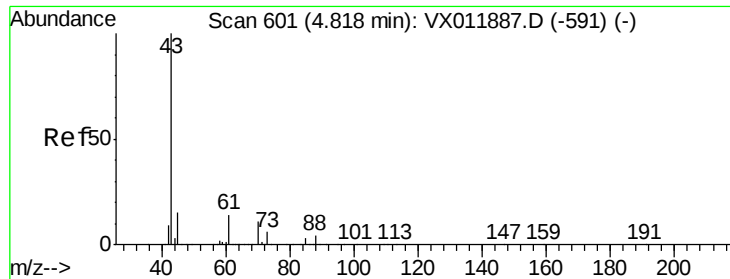
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.1	123.1
192	26.9	21.5	32.3



#36
 1,1-Dichloropropene
 Concen: 5.786 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011933.D
 Acq: 31 Aug 2019 04:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	19.1	57.3#
77	0.3	24.4	36.6#

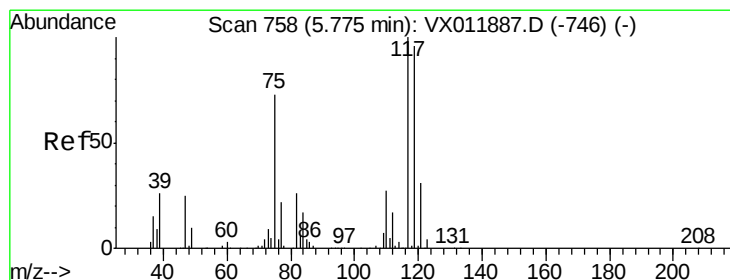
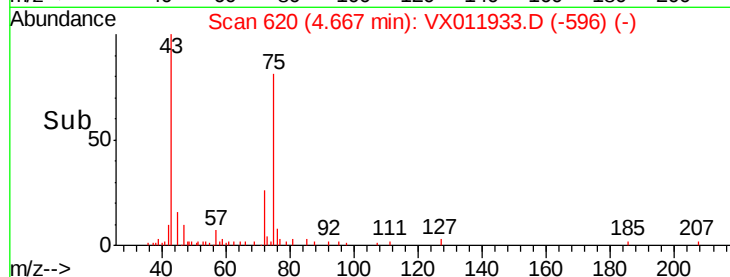
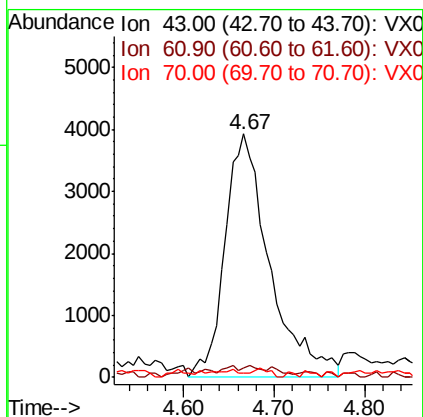
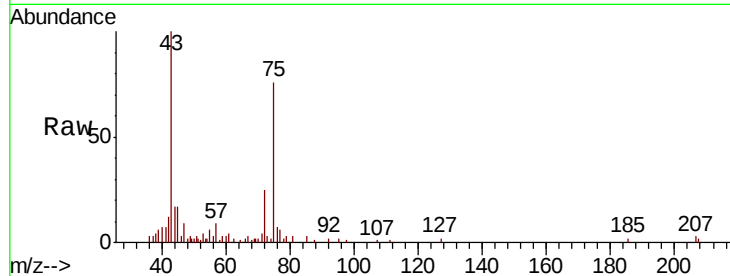




#37
Ethyl Acetate
Concen: 4.891 ug/l
RT: 4.67 min Scan# 620
Delta R.T. -0.15 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

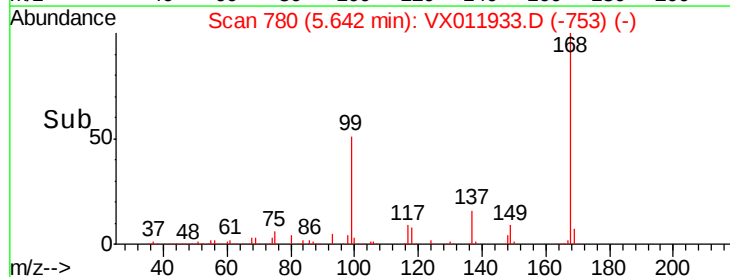
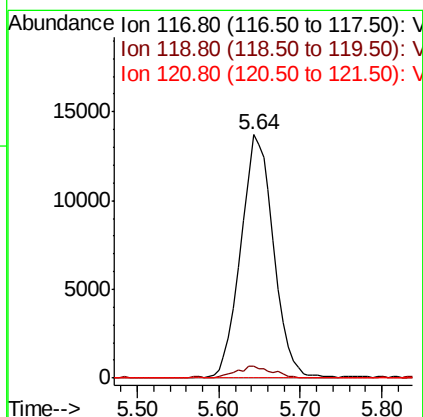
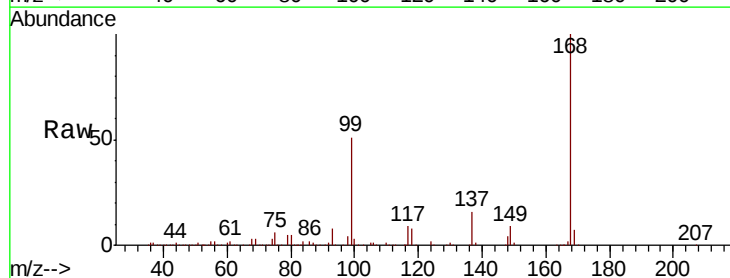
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-I-(1.9)

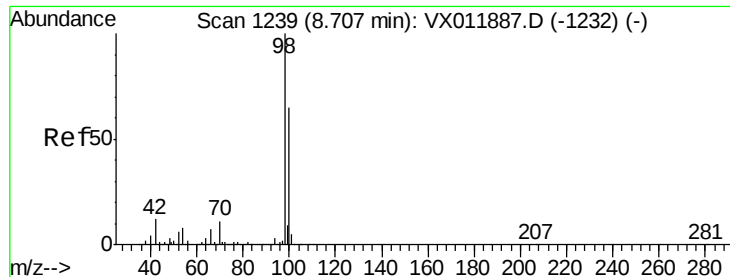
Tgt Ion: 43 Resp: 13457
Ion Ratio Lower Upper
43 100
61 0.9 11.0 16.4#
70 0.7 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 7.103 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

Tgt Ion: 117 Resp: 38286
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 24.7 37.1#

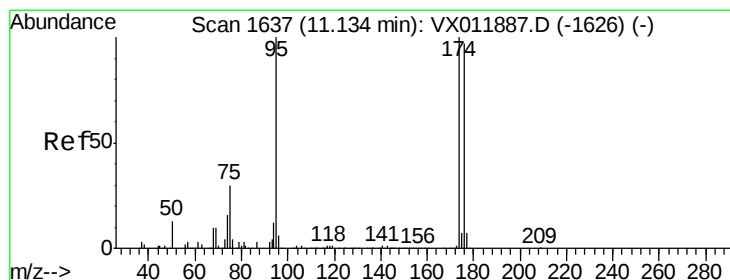
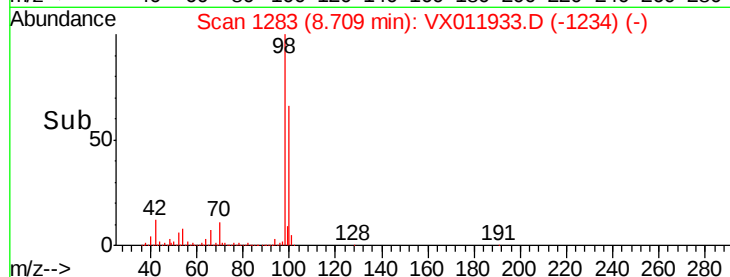
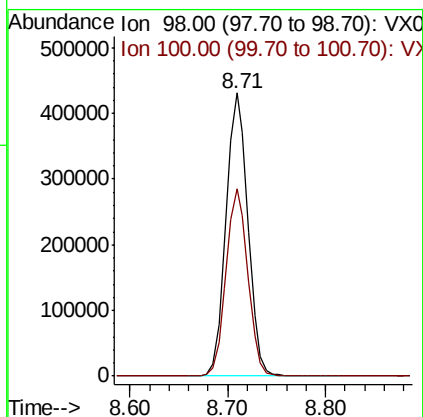
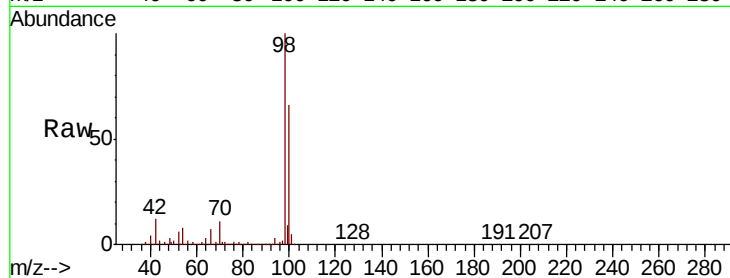




#50
Toluene-d8
Concen: 49.640 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

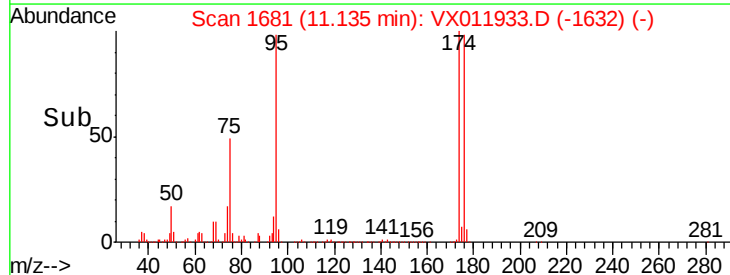
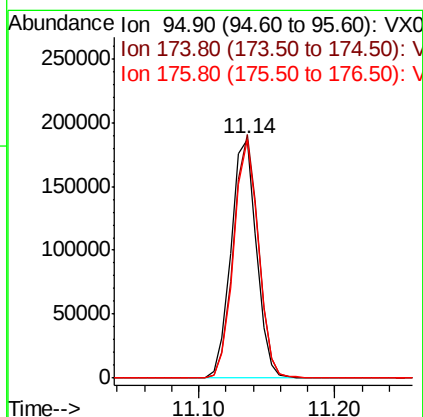
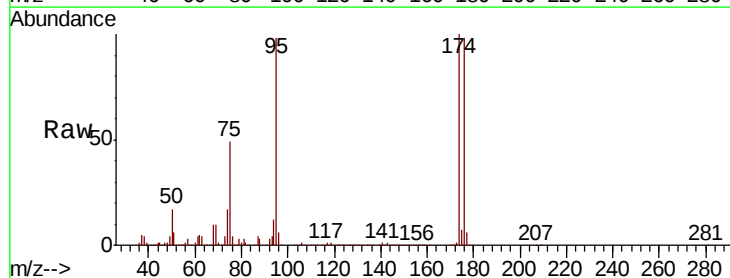
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-I-(1.9)

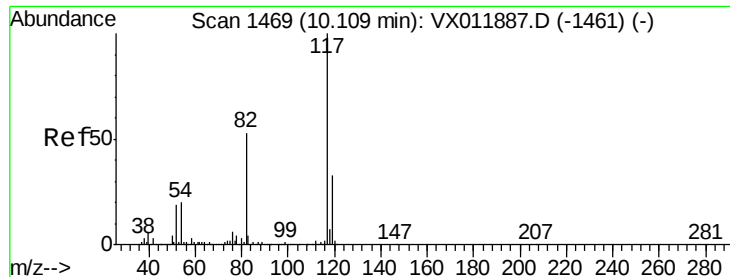
Tgt Ion: 98 Resp: 667538
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 41.336 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

Tgt Ion: 95 Resp: 243842
Ion Ratio Lower Upper
95 100
174 99.2 0.0 196.0
176 96.7 0.0 191.4

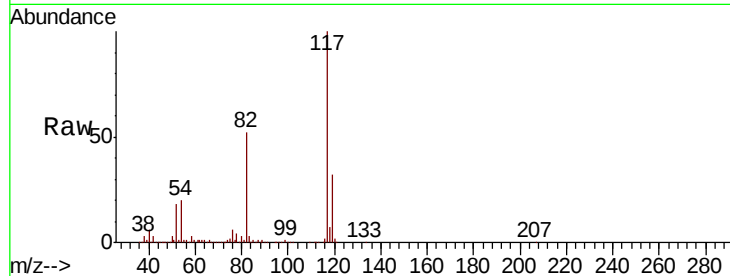




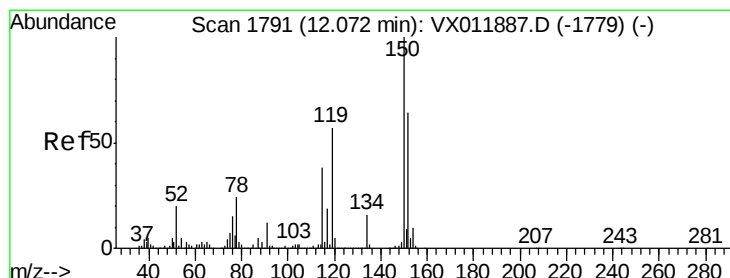
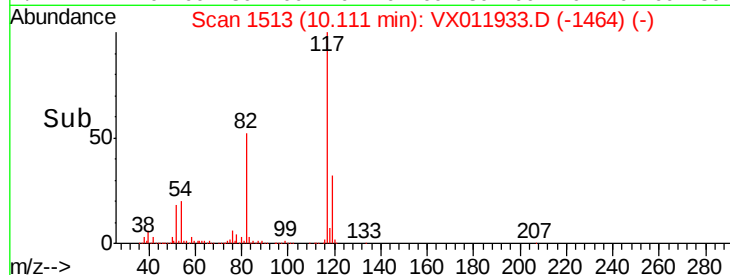
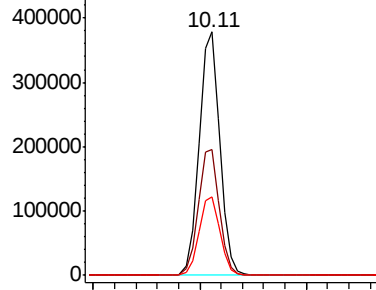
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

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

Tgt Ion:117 Resp: 515817
Ion Ratio Lower Upper
117 100
82 51.5 42.0 63.0
119 32.1 26.2 39.4

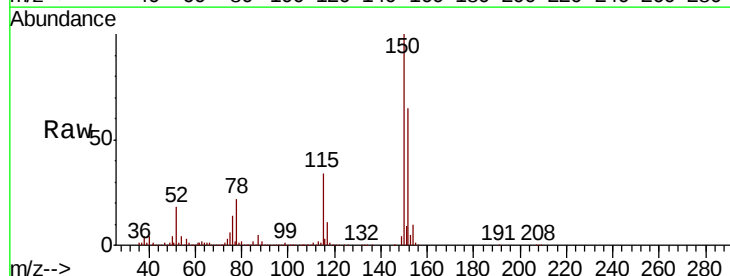


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

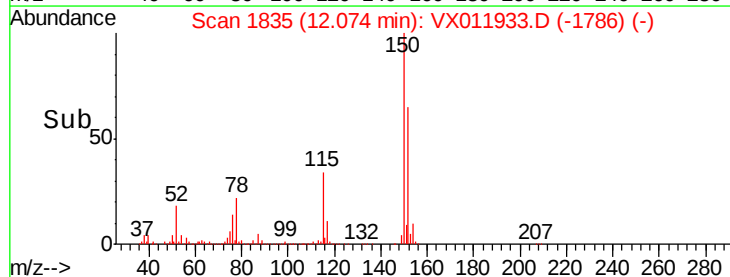
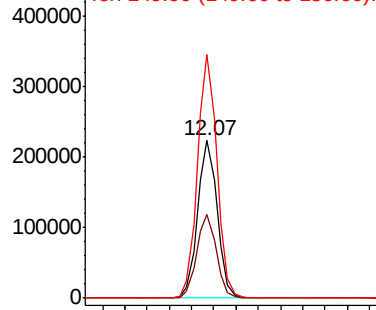


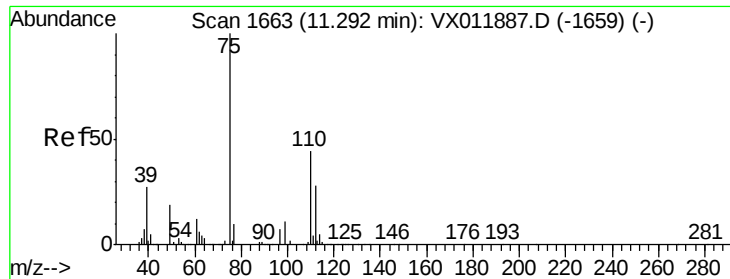
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011933.D
Acq: 31 Aug 2019 04:12

Tgt Ion:152 Resp: 271021
Ion Ratio Lower Upper
152 100
115 53.0 37.1 111.3
150 154.2 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

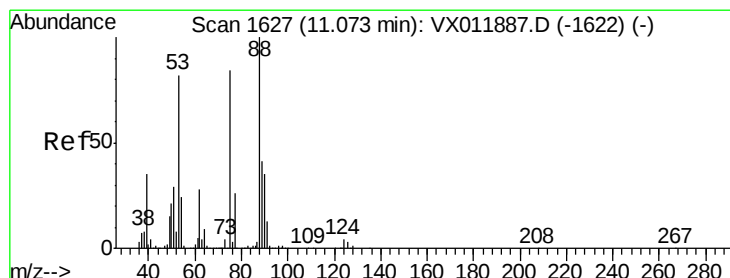
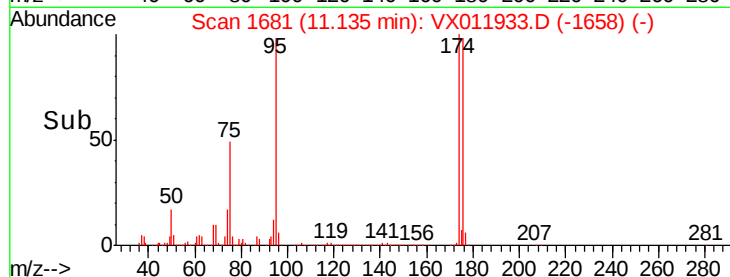
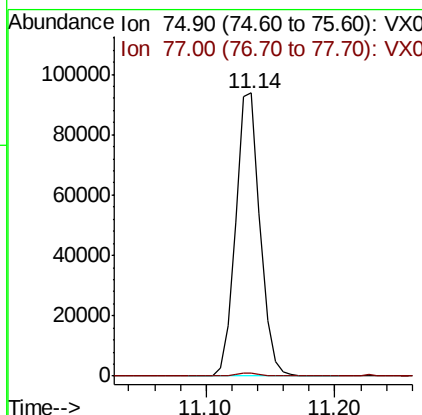
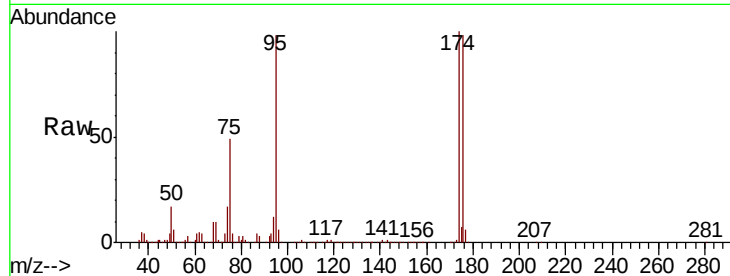




#76
 1,2,3-Trichloropropane
 Concen: 46.264 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX011933.D
 Acq: 31 Aug 2019 04:12

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

Tgt Ion: 75 Resp: 123343
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.224 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.06 min
 Lab File: VX011933.D
 Acq: 31 Aug 2019 04:12

Tgt Ion: 75 Resp: 123343
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.1 115.7#
 89 0.0 38.2 57.2#

