

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX011993.D
 Acq On : 01 Sep 2019 15:40
 Operator : SY/SP
 Sample : K4528-16
 Misc : 4.51g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S2-(1.9)

Quant Time: Sep 02 03:54:21 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	112334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	129491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	98436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	36718	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	38057	35.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.72%	
35) Dibromofluoromethane	5.49	113	36707	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
50) Toluene-d8	8.71	98	139181	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
62) 4-Bromofluorobenzene	11.14	95	40606	31.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.38%	

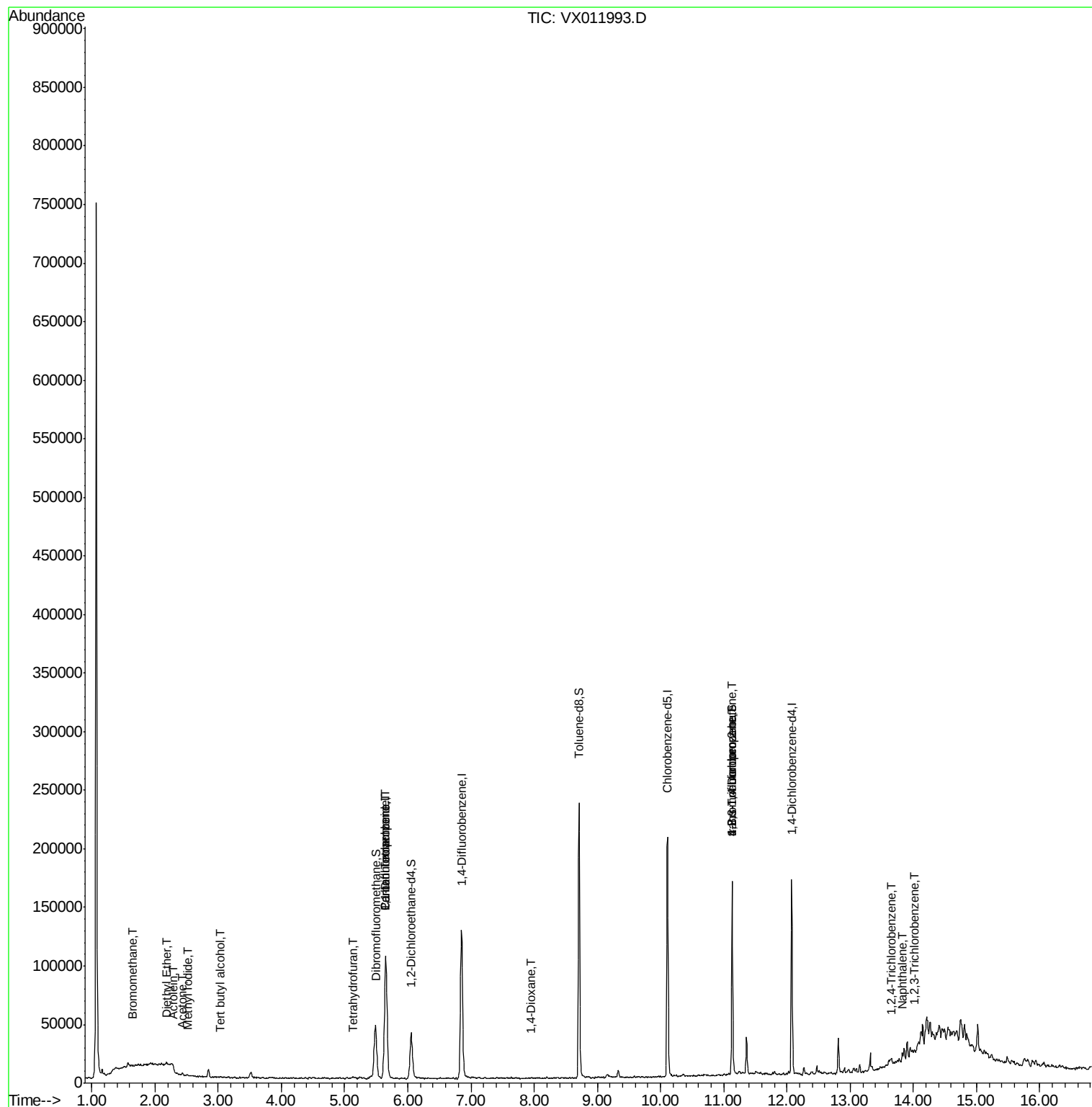
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	688	1.325	ug/l #	64
8) Diethyl Ether	2.17	74	634	1.415	ug/l	84
10) Methyl Iodide	2.51	142	719	4.394	ug/l #	70
11) Tert butyl alcohol	3.03	59	646	6.239	ug/l #	81
13) Acrolein	2.29	56	153	2.969	ug/l #	13
16) Acetone	2.43	43	2004	8.654	ug/l #	85
20) Methylene Chloride	2.84	84	3310	Below Cal		91
29) Tetrahydrofuran	5.14	42	815	3.872	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	6707	6.538	ug/l #	53
38) Carbon Tetrachloride	5.65	117	9842	8.272	ug/l #	16
49) 1,4-Dioxane	7.95	88	101	12.261	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	20808	57.609	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	20808	144.723	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	945	1.062	ug/l	75
95) Naphthalene	13.84	128	1561	1.022	ug/l #	77
96) 1,2,3-Trichlorobenzene	14.02	180	1030	1.279	ug/l	83

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX011993.D
Acq On : 01 Sep 2019 15:40
Operator : SY/SP
Sample : K4528-16
Misc : 4.51g/5.0mL/MSVOA_X/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S2-(1.9)

Quant Time: Sep 02 03:54:21 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: VX011993.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

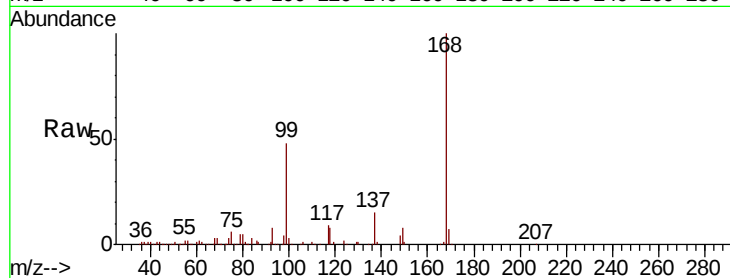
T9-12-13-S2-(1.9)

Tgt Ion:168 Resp: 112334

Ion Ratio Lower Upper

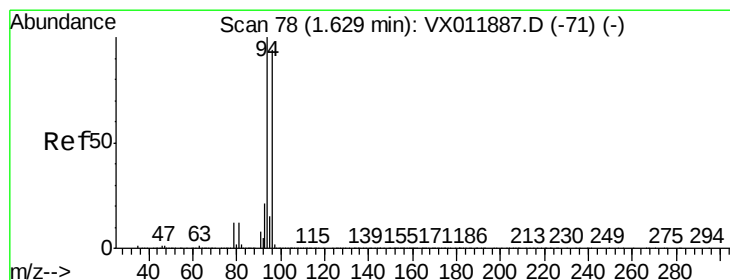
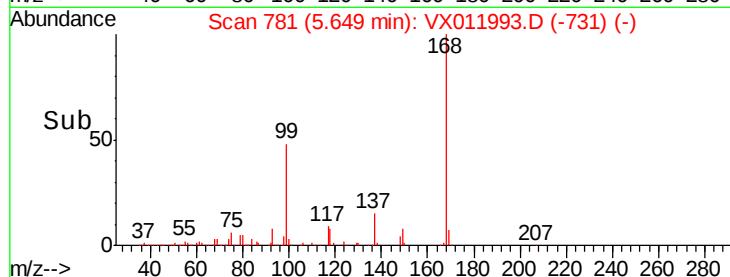
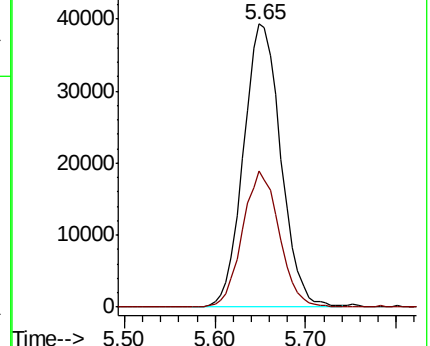
168 100

99 48.0 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.325 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX011993.D

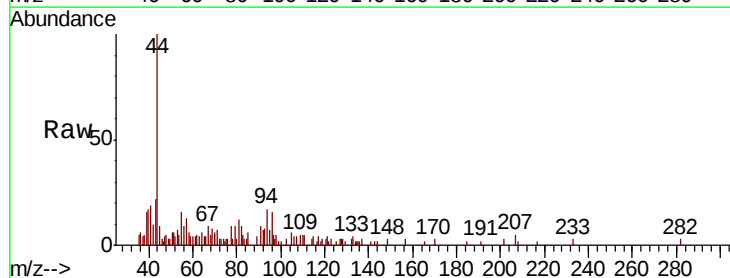
Acq: 01 Sep 2019 15:40

Tgt Ion: 94 Resp: 688

Ion Ratio Lower Upper

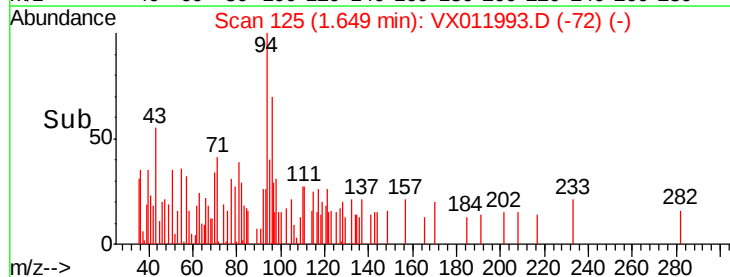
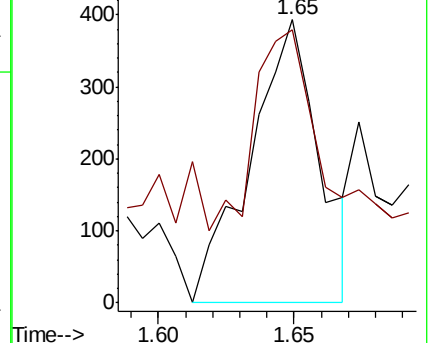
94 100

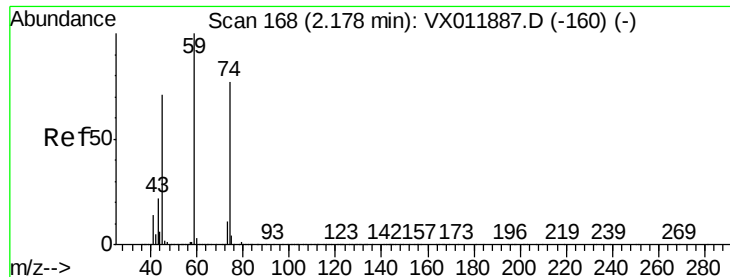
96 59.5 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

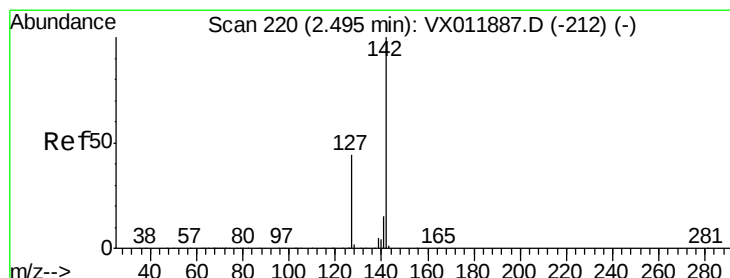
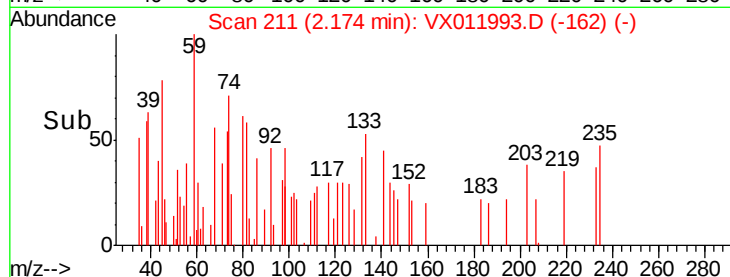
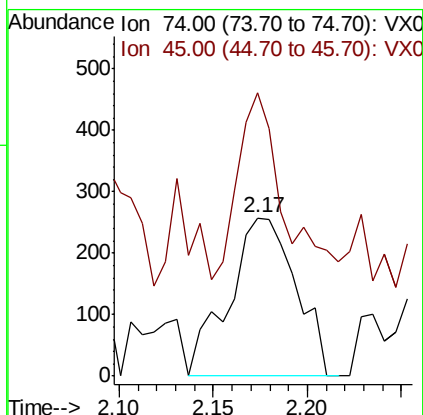
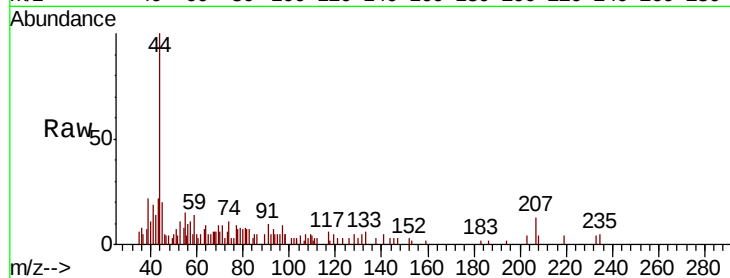




#8
Diethyl Ether
Concen: 1.415 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

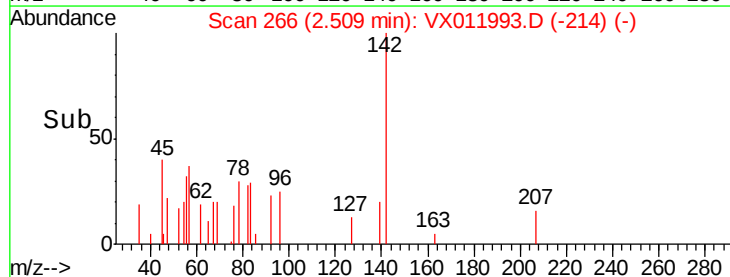
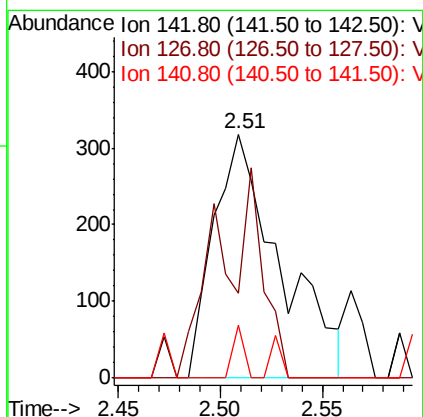
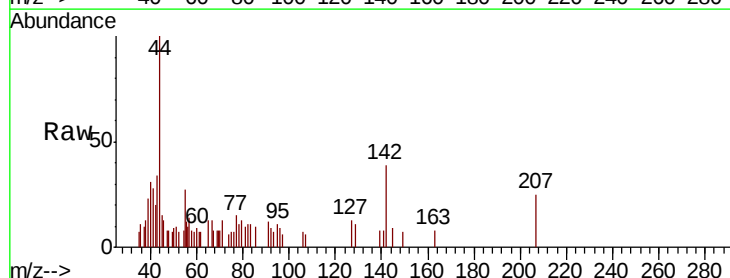
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S2-(1.9)

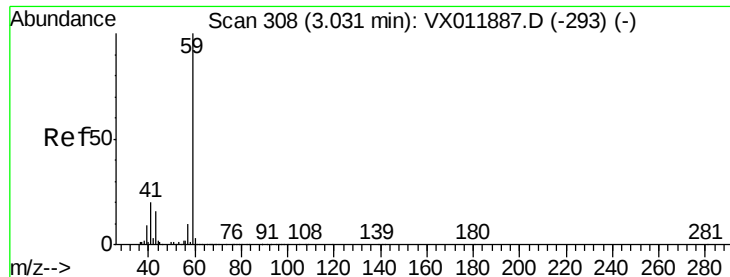
Tgt Ion: 74 Resp: 634
Ion Ratio Lower Upper
74 100
45 78.4 46.7 140.1



#10
Methyl Iodide
Concen: 4.394 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 142 Resp: 719
Ion Ratio Lower Upper
142 100
127 24.2 35.7 53.5#
141 3.5 11.8 17.6#

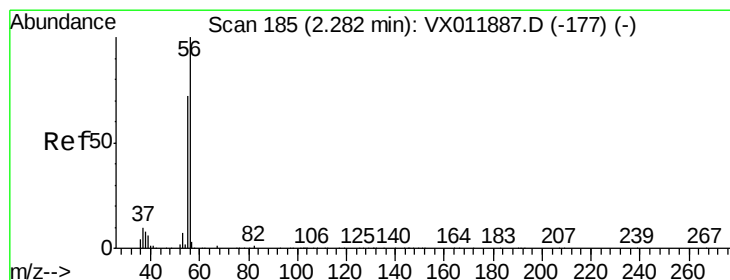
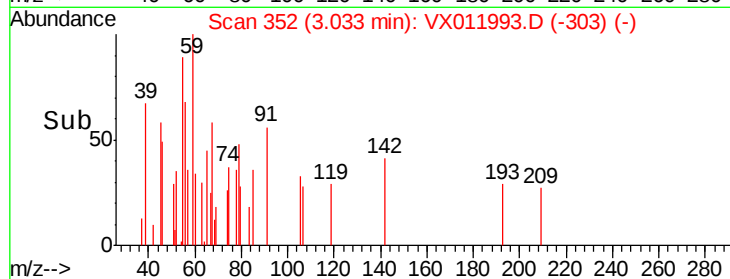
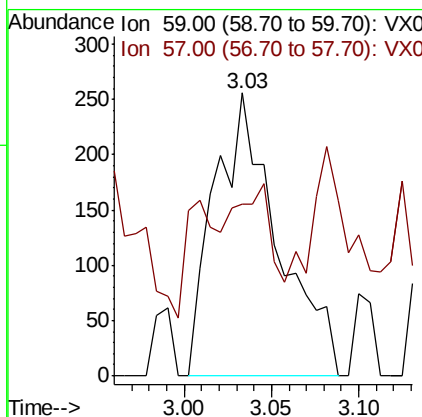
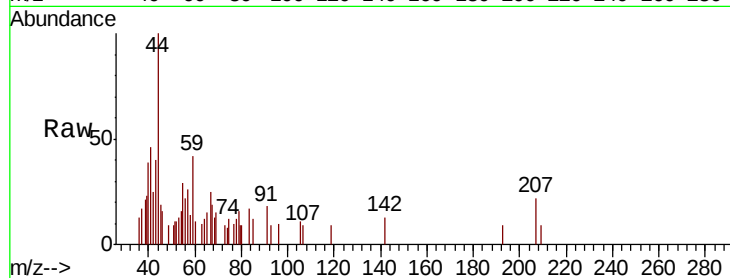




#11
Tert butyl alcohol
Concen: 6.239 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

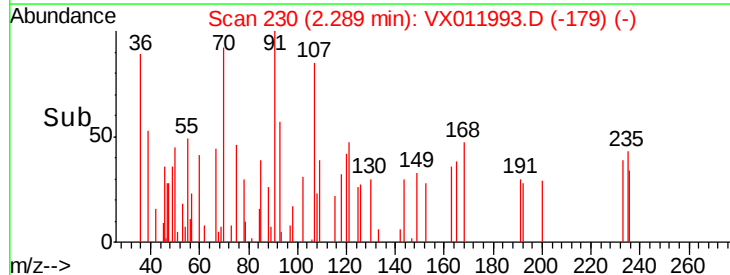
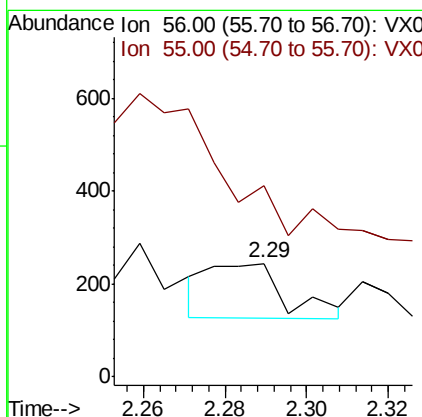
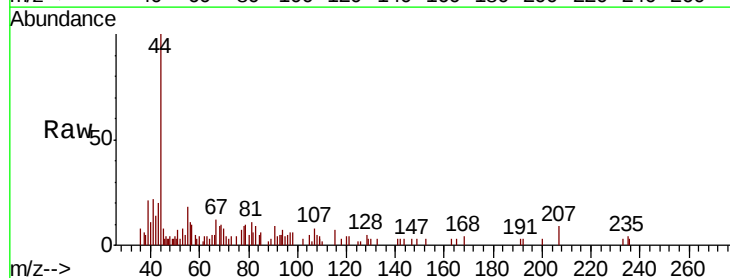
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S2-(1.9)

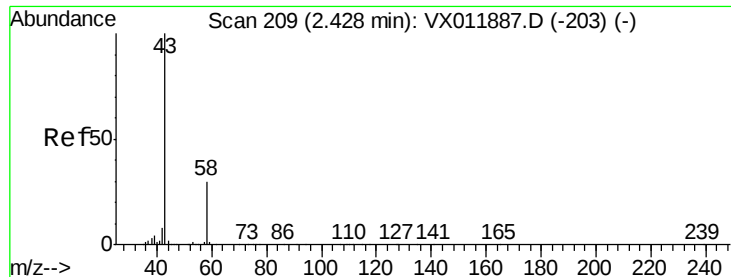
Tgt Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 17.8 8.6 12.8#



#13
Acrolein
Concen: 2.969 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 0.0 58.6 88.0#





#16

Acetone

Concen: 8.654 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

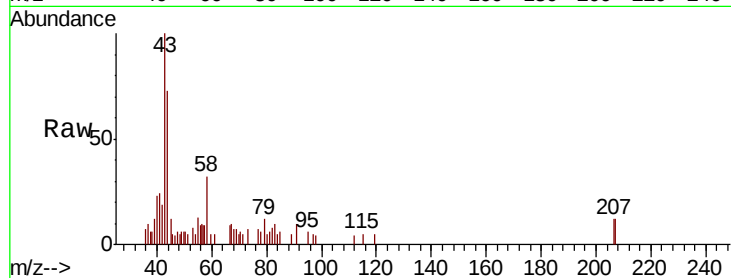
T9-12-13-S2-(1.9)

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

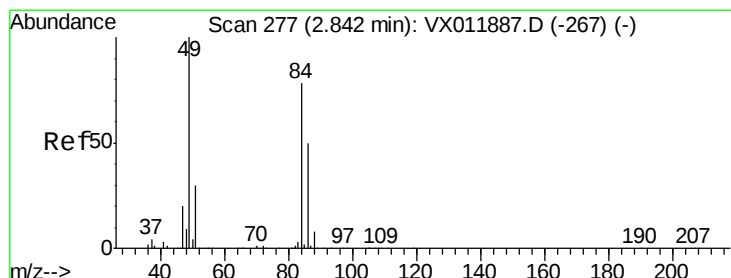
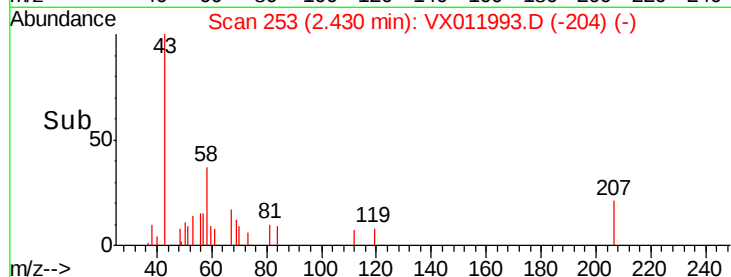
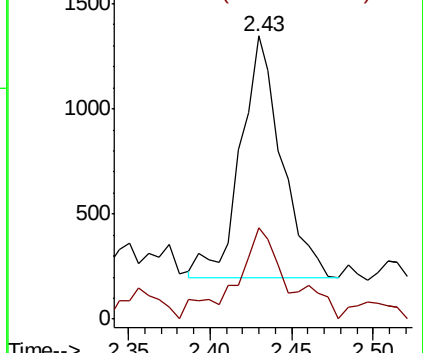
43 100

58 37.8 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

Tgt Ion: 84 Resp: 3310

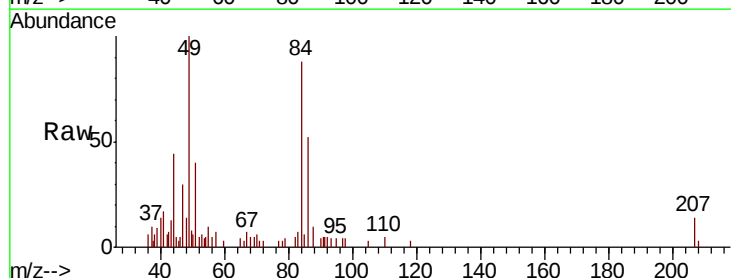
Ion Ratio Lower Upper

84 100

49 113.5 103.0 154.4

51 39.8 30.8 46.2

86 59.2 51.3 76.9

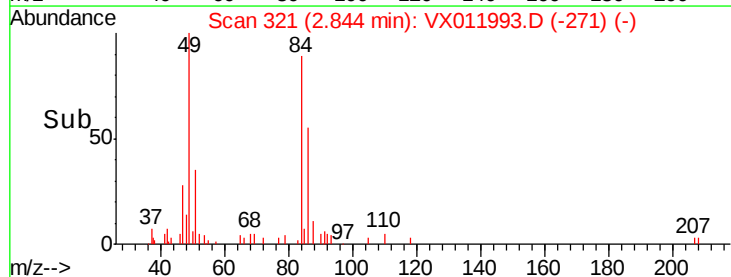
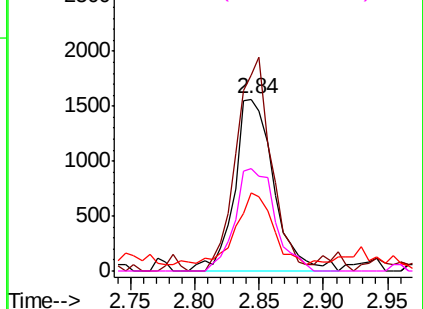


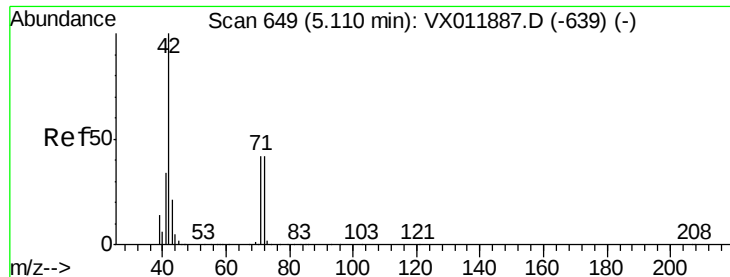
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

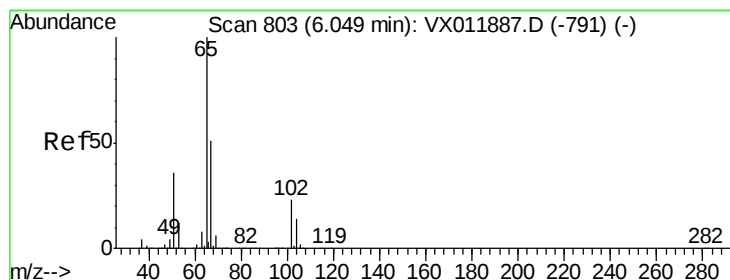
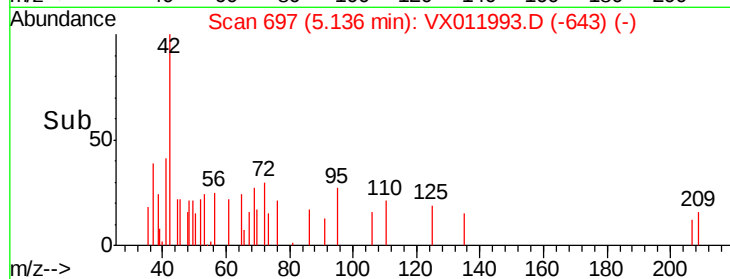
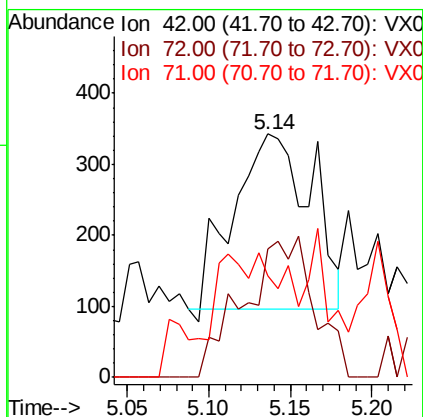
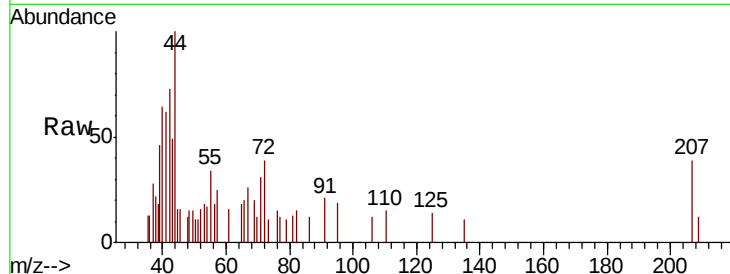




#29
Tetrahydrofuran
Concen: 3.872 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.03 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

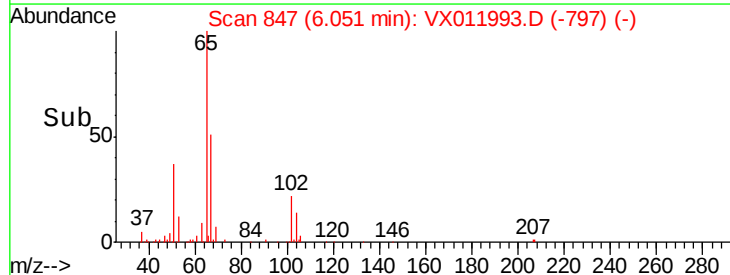
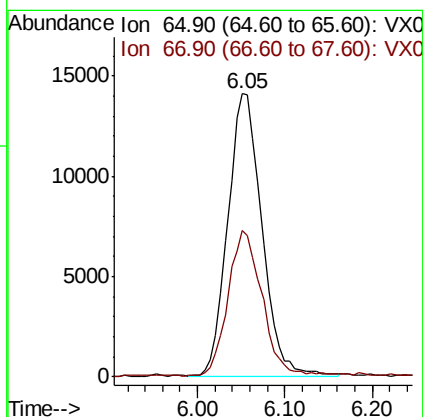
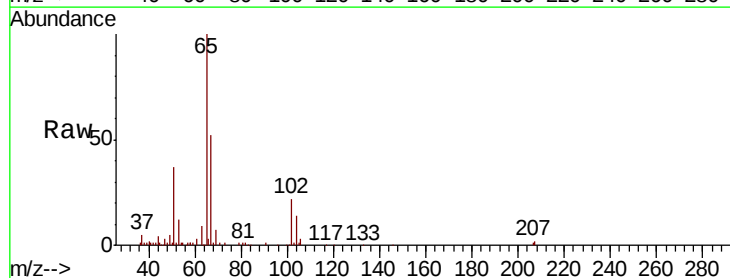
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S2-(1.9)

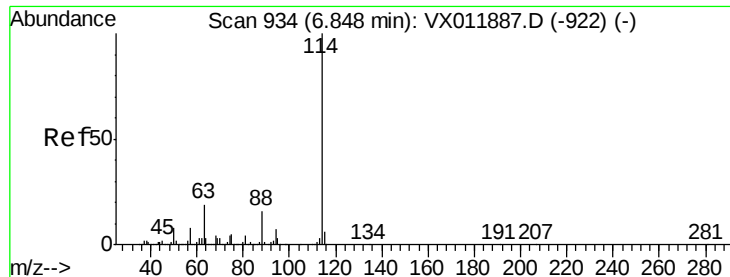
Tgt Ion: 42 Resp: 815
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 33.1 49.7#



#33
1,2-Dichloroethane-d4
Concen: 35.360 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 65 Resp: 38057
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: VX011993.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S2-(1.9)

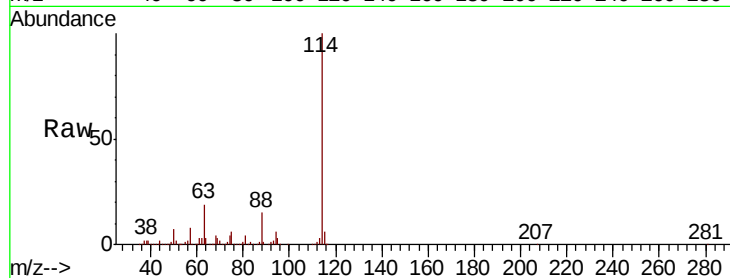
Tgt Ion:114 Resp: 129491

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

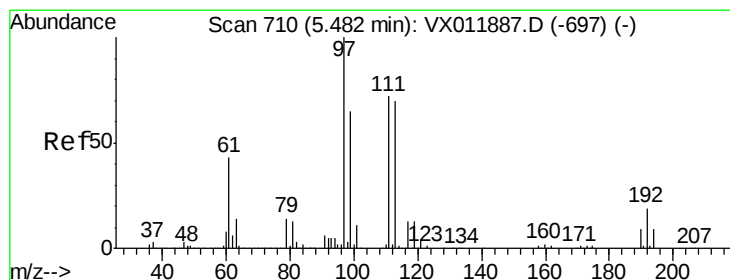
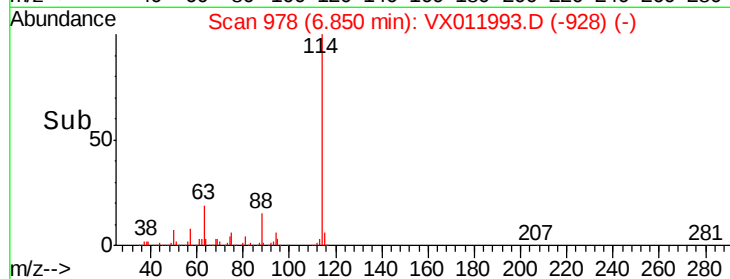
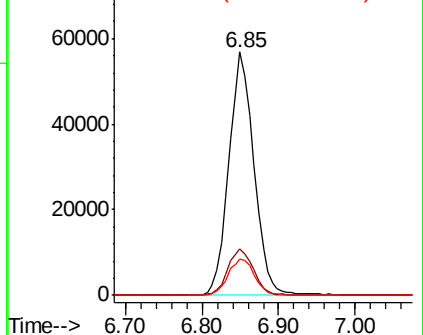
88 14.8 0.0 31.2



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: 44.207 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

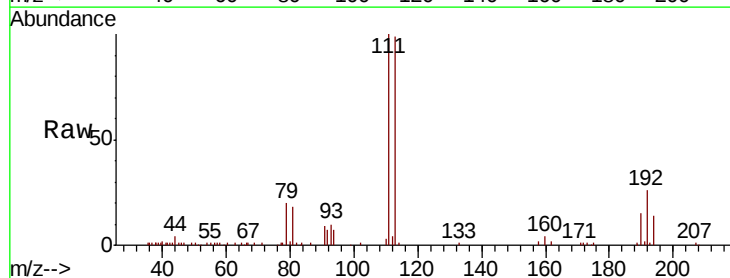
Tgt Ion:113 Resp: 36707

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

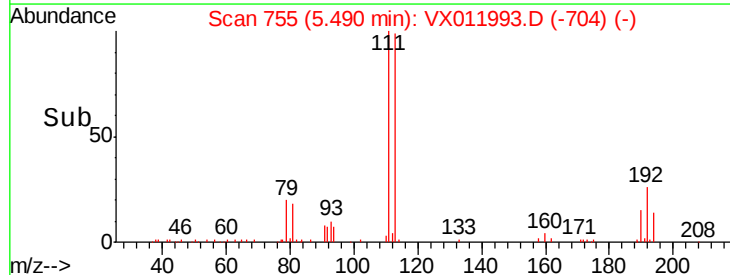
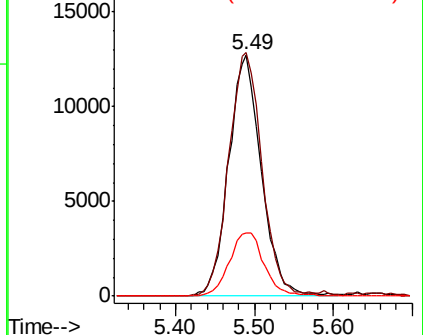
192 27.7 21.5 32.3

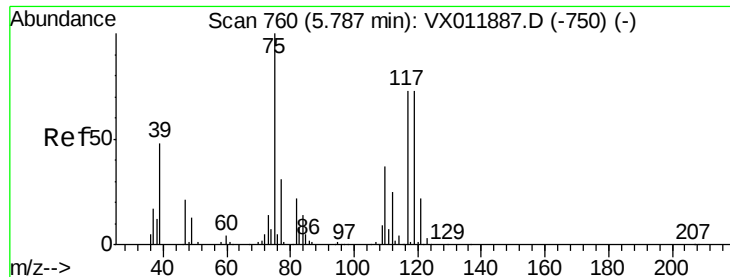


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

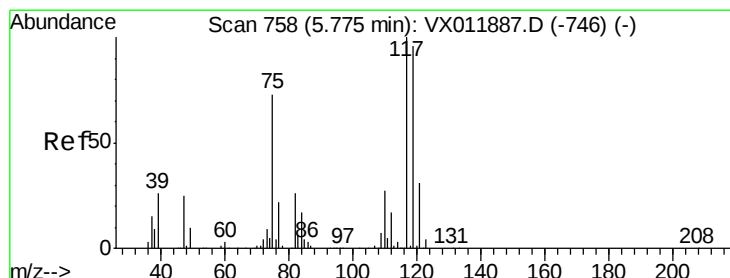
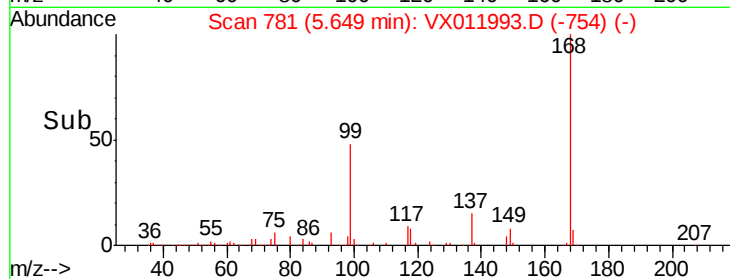
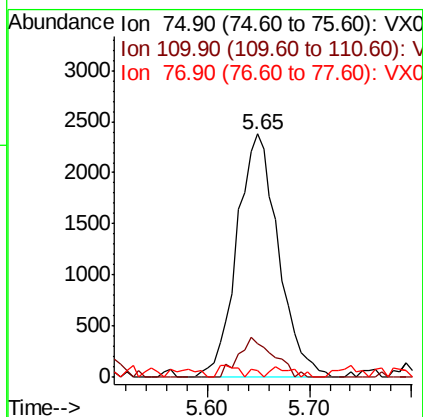
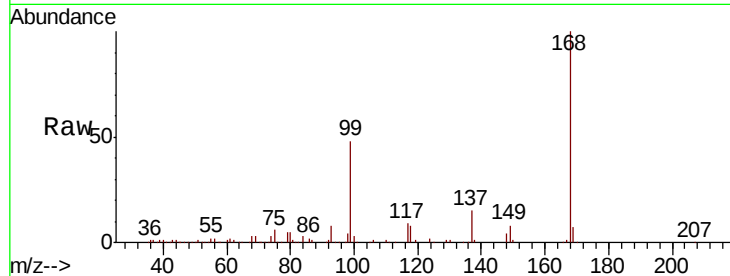




#36
 1,1-Dichloropropene
 Concen: 6.538 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011993.D
 Acq: 01 Sep 2019 15:40

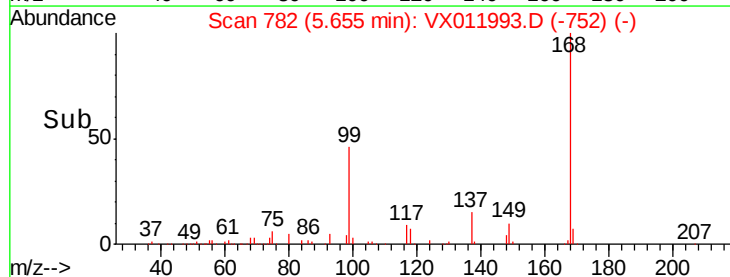
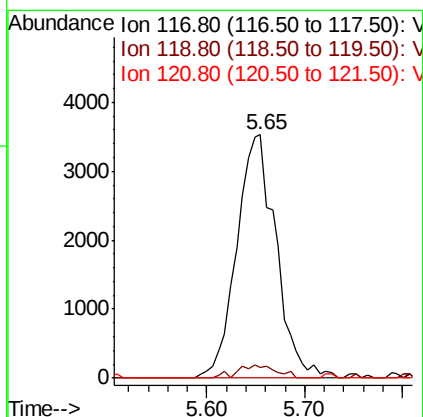
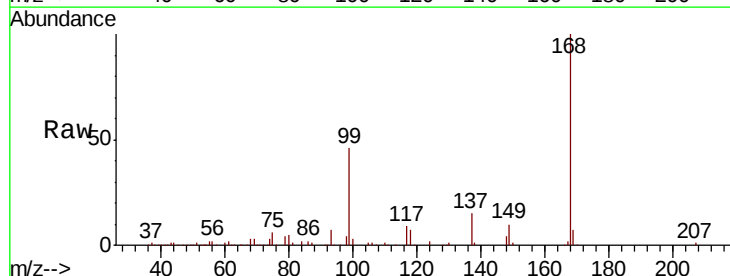
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S2-(1.9)

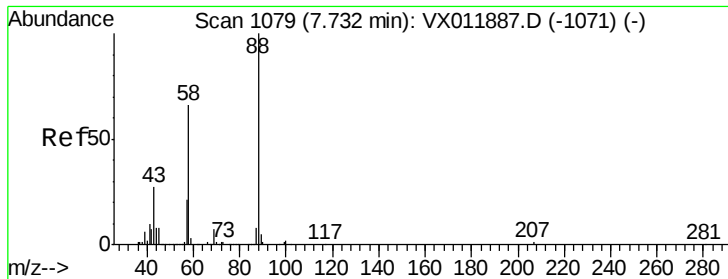
Tgt Ion: 75 Resp: 6707
 Ion Ratio Lower Upper
 75 100
 110 13.8 19.1 57.3#
 77 0.8 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 8.272 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX011993.D
 Acq: 01 Sep 2019 15:40

Tgt Ion: 117 Resp: 9842
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.6 114.8#
 121 0.0 24.7 37.1#

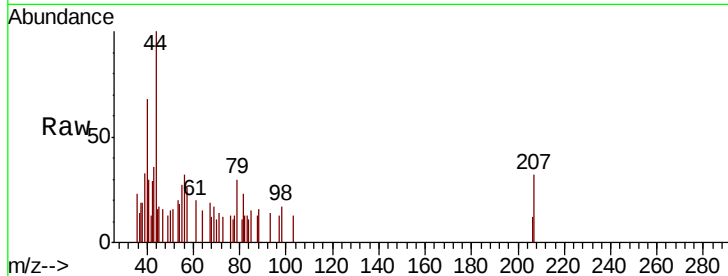




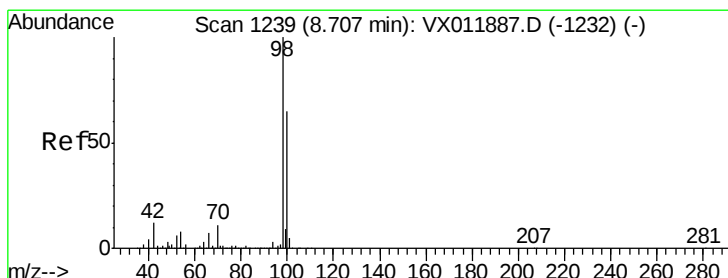
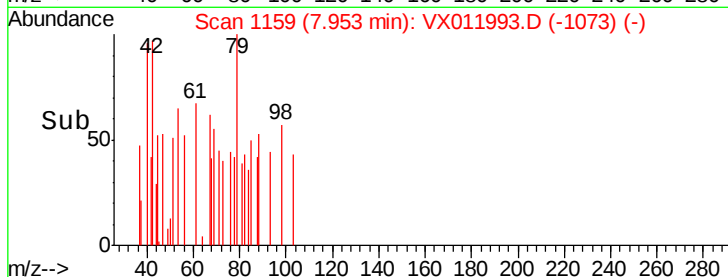
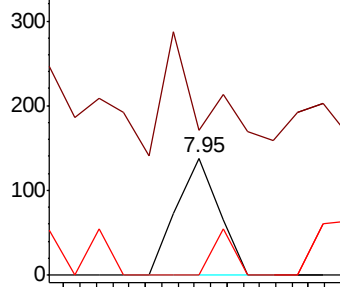
#49
 1,4-Dioxane
 Concen: 12.261 ug/l
 RT: 7.95 min Scan# 1159
 Delta R.T. 0.22 min
 Lab File: VX011993.D
 Acq: 01 Sep 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S2-(1.9)

Tgt Ion: 88 Resp: 101
 Ion Ratio Lower Upper
 88 100
 43 107.9 27.3 40.9#
 58 19.8 53.9 80.9#

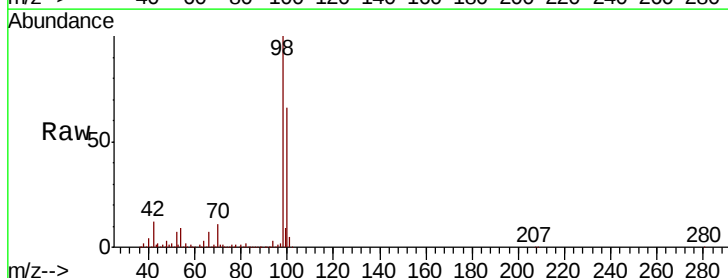


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

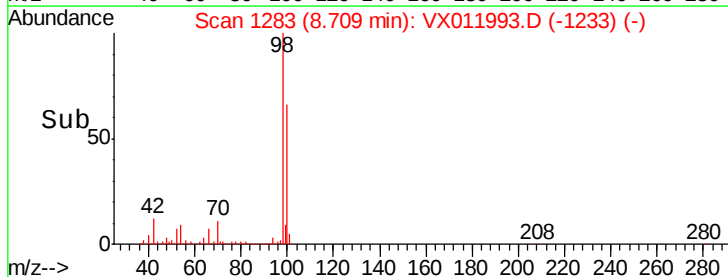
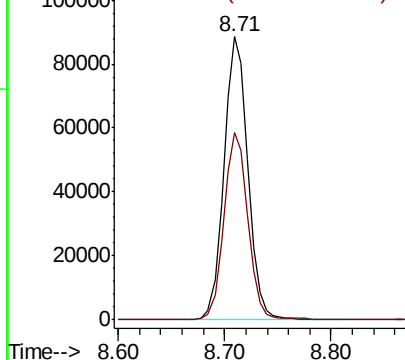


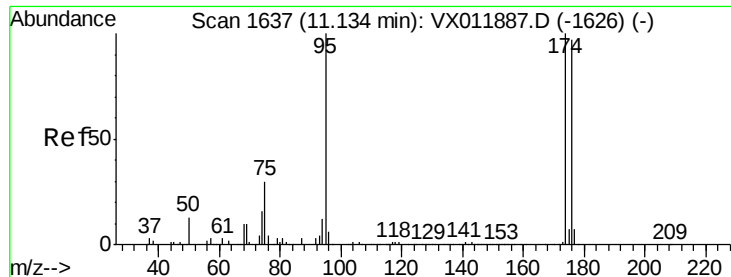
#50
 Toluene-d8
 Concen: 46.890 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX011993.D
 Acq: 01 Sep 2019 15:40

Tgt Ion: 98 Resp: 139181
 Ion Ratio Lower Upper
 98 100
 100 66.2 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: 31.186 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S2-(1.9)

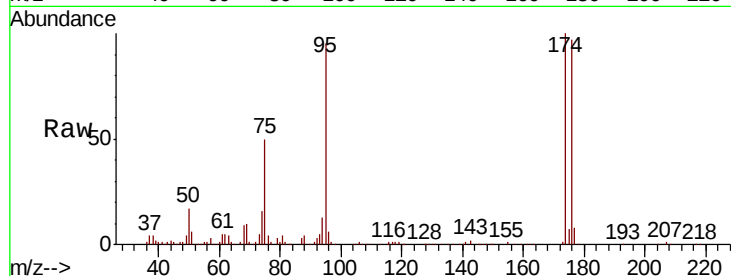
Tgt Ion: 95 Resp: 40606

Ion Ratio Lower Upper

95 100

174 101.7 0.0 196.0

176 99.2 0.0 191.4

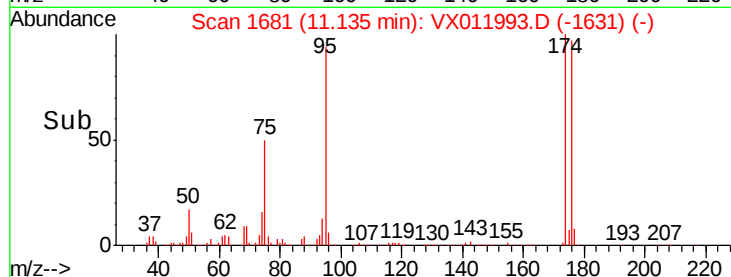


Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)

Time-->



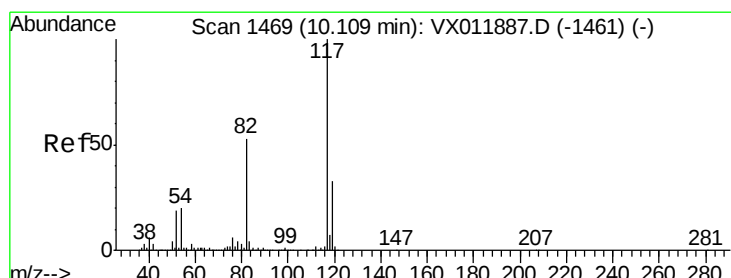
Abundance

Ion 94.90 (94.60 to 95.60): VX011993.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX011993.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX011993.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

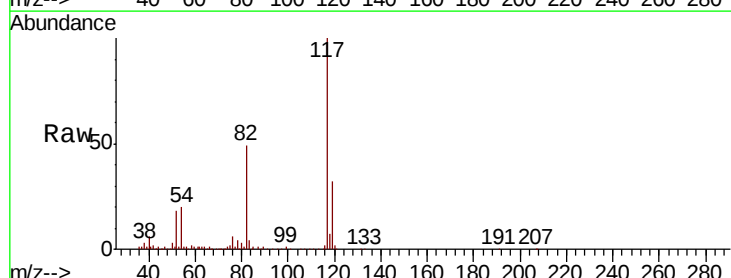
Tgt Ion: 117 Resp: 98436

Ion Ratio Lower Upper

117 100

82 49.1 42.0 63.0

119 32.1 26.2 39.4

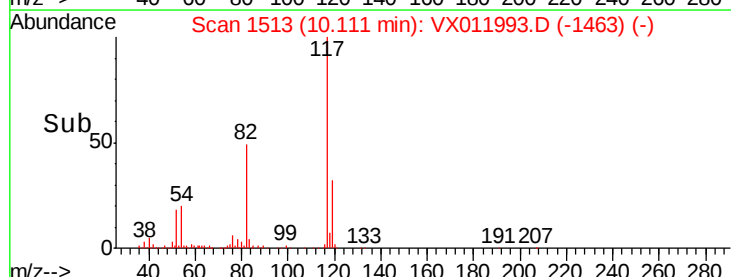


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)

Time-->



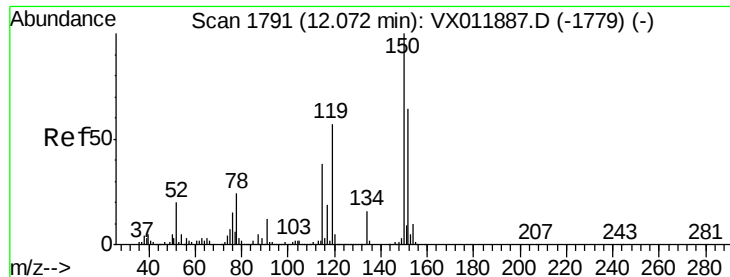
Abundance

Ion 116.90 (116.60 to 117.60): VX011993.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX011993.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX011993.D (-1463) (-)

Time-->

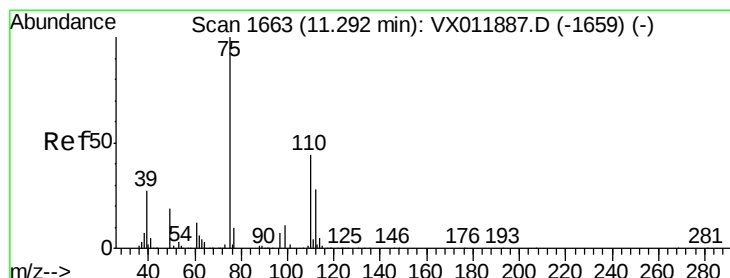
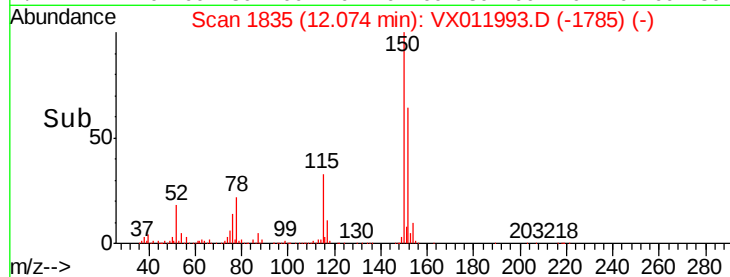
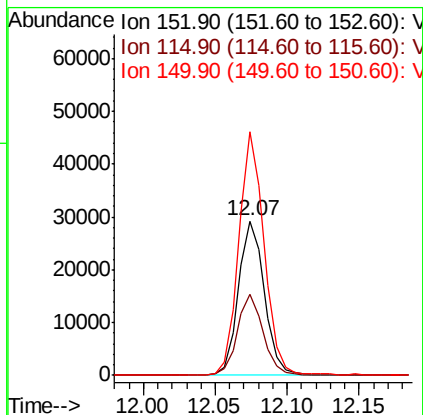
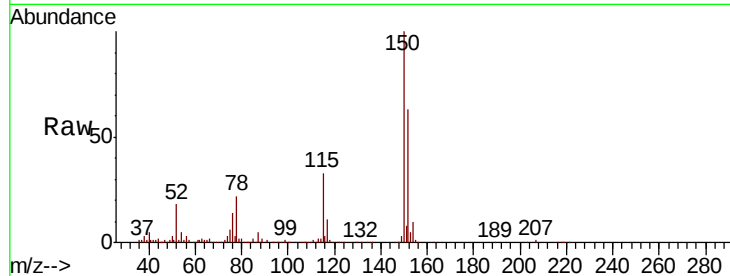


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S2-(1.9)

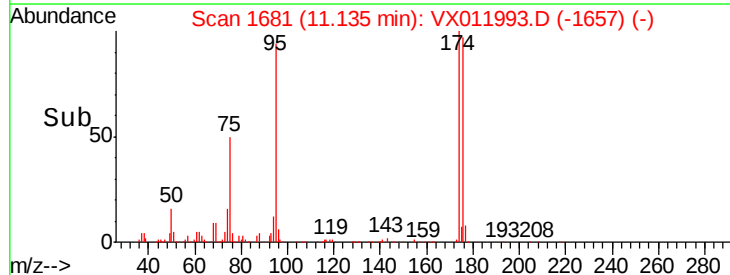
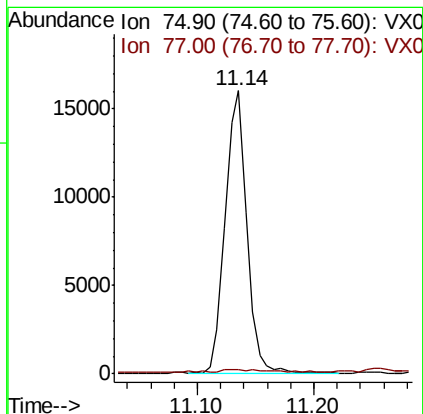
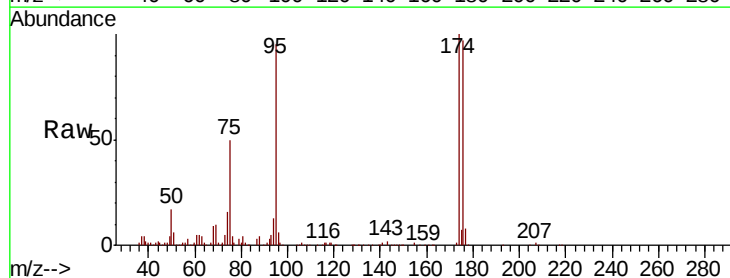
Tgt Ion: 152 Resp: 36718
Ion Ratio Lower Upper
152 100
115 51.2 37.1 111.3
150 153.7 0.0 339.6

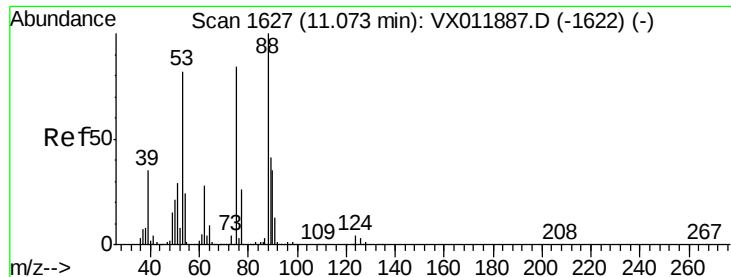


#76

1,2,3-Trichloropropane
Concen: 57.609 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 75 Resp: 20808
Ion Ratio Lower Upper
75 100
77 1.5 20.9 62.7#

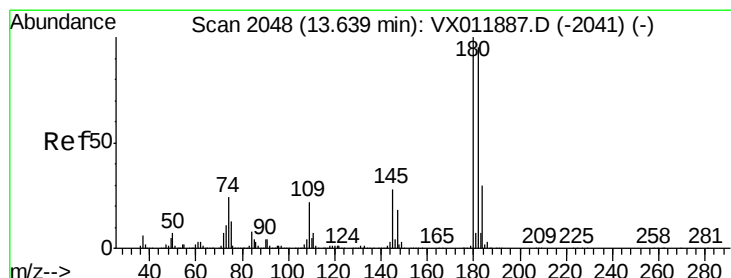
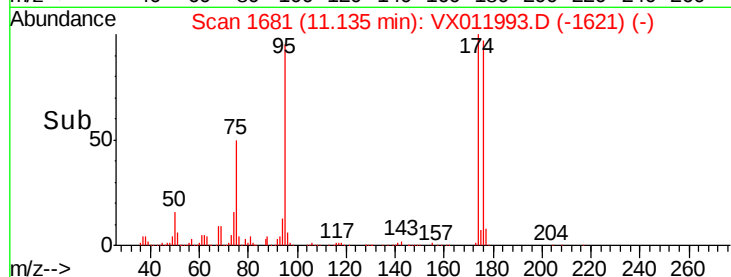
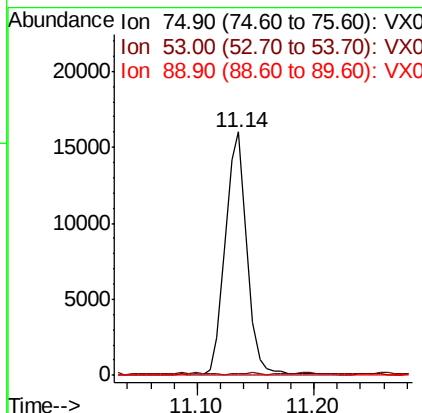
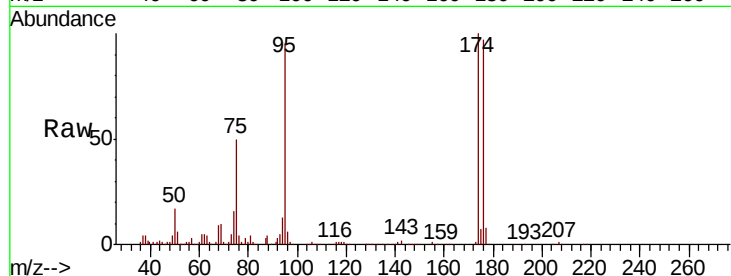




#81
trans-1,4-Dichloro-2-butene
Concen: 144.723 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.06 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

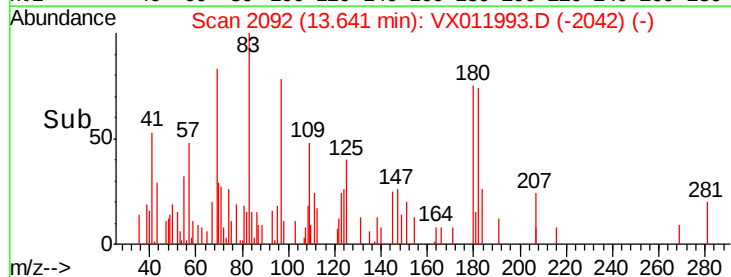
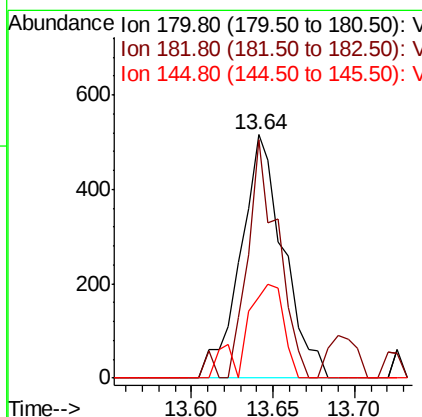
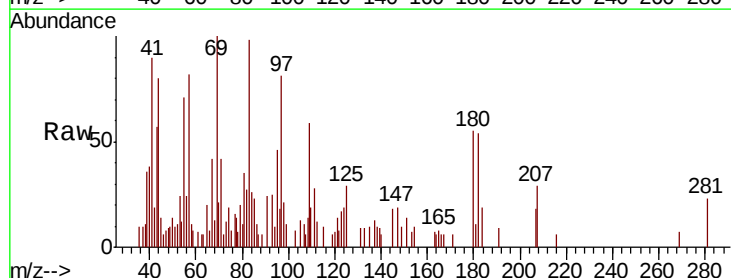
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S2-(1.9)

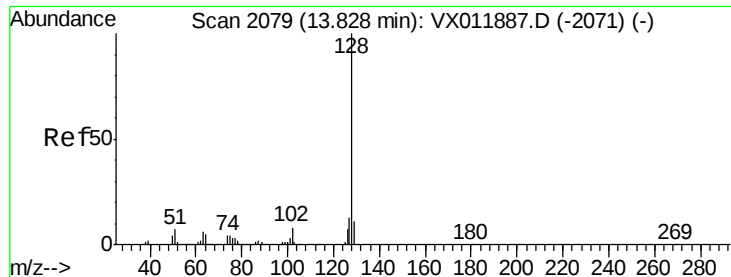
Tgt Ion: 75 Resp: 20808
Ion Ratio Lower Upper
75 100
53 0.6 77.1 115.7#
89 0.3 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.062 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX011993.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 180 Resp: 945
Ion Ratio Lower Upper
180 100
182 68.5 48.1 144.4
145 34.9 13.8 41.3





#95

Naphthalene

Concen: 1.022 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S2-(1.9)

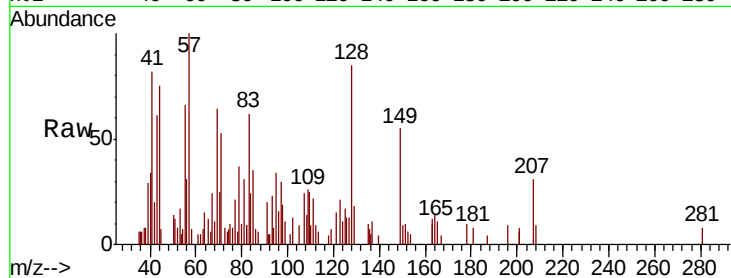
Tgt Ion:128 Resp: 1561

Ion Ratio Lower Upper

128 100

127 23.6 10.4 15.6#

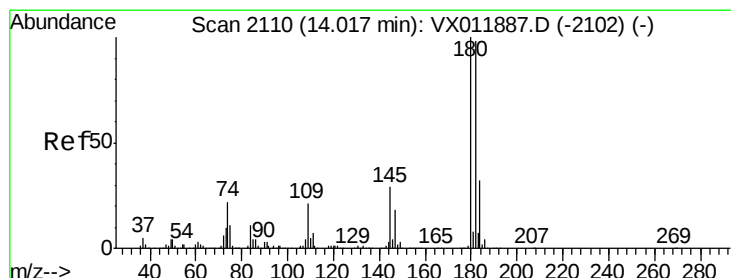
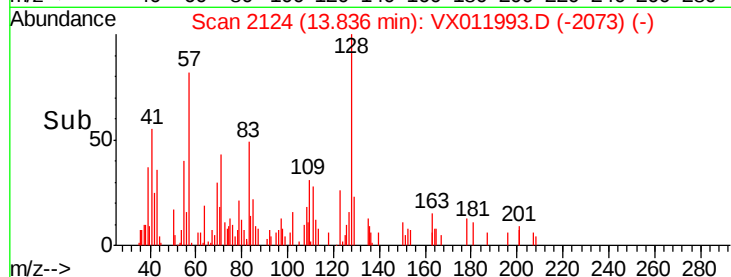
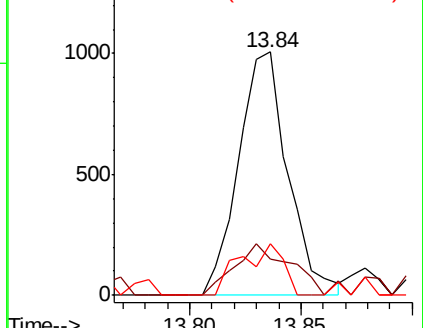
129 18.4 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.279 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011993.D

Acq: 01 Sep 2019 15:40

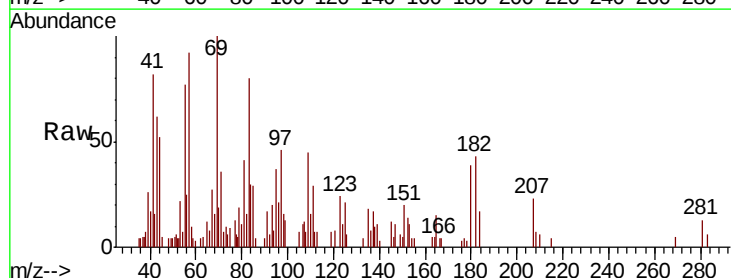
Tgt Ion:180 Resp: 1030

Ion Ratio Lower Upper

180 100

182 79.5 48.3 144.8

145 37.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

