

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX011991.D
 Acq On : 01 Sep 2019 14:43
 Operator : SY/SP
 Sample : K4528-14
 Misc : 5.85g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S4-(0)

Quant Time: Sep 02 03:53:55 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	405449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	515882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	392714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139923	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	160546	41.33	ug/l	0.00
Spiked Amount			Recovery	=	82.66%	
35) Dibromofluoromethane	5.48	113	150450	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	8.71	98	552174	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.14	95	160016	30.85	ug/l	0.00
Spiked Amount			Recovery	=	61.70%	

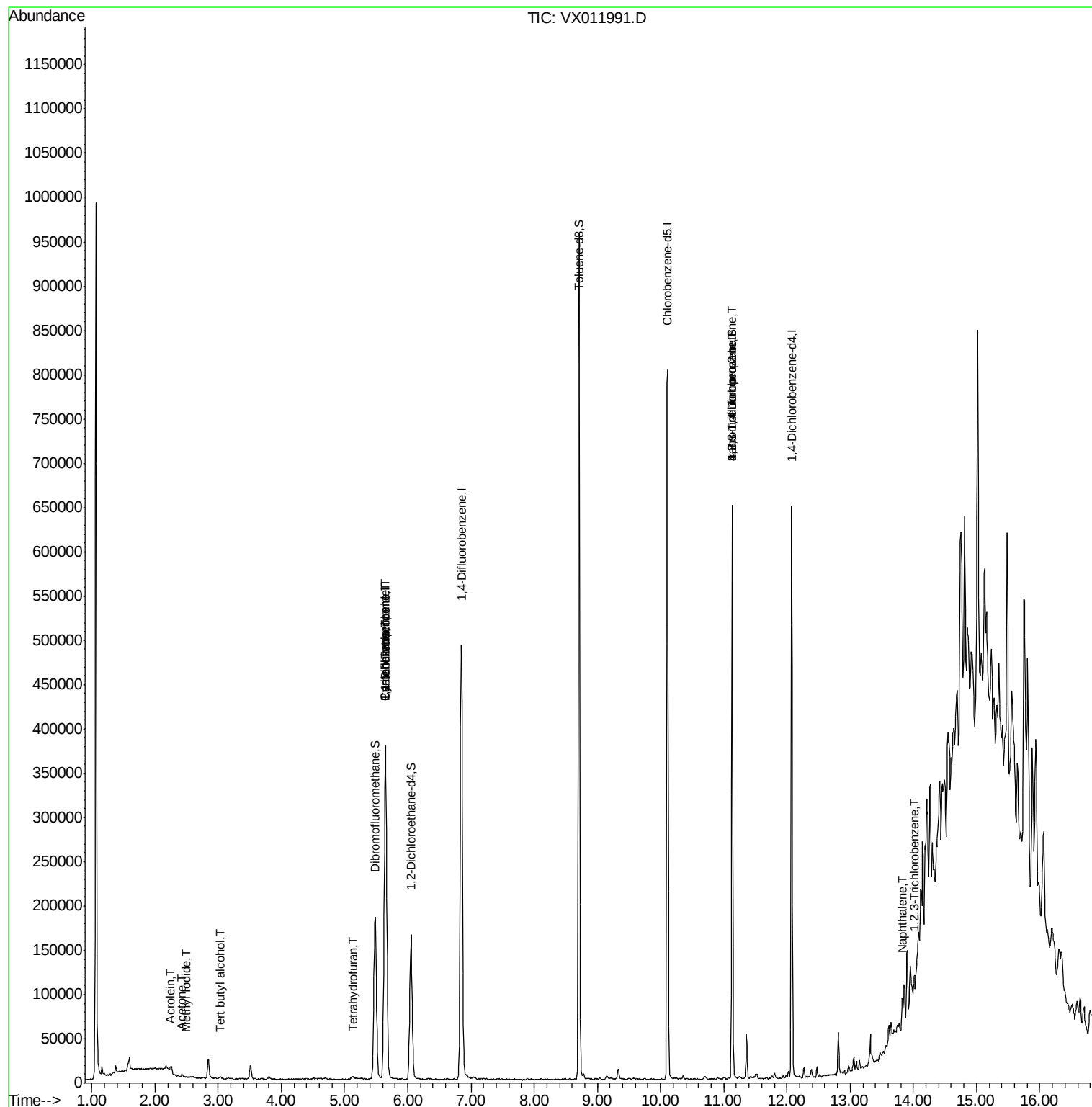
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	1223	4.015	ug/l	97
11) Tert butyl alcohol	3.03	59	2578	6.898	ug/l	95
13) Acrolein	2.23	56	230	1.236	ug/l #	1
16) Acetone	2.43	43	3676	4.398	ug/l #	88
20) Methylene Chloride	2.84	84	10268	Below Cal		92
29) Tetrahydrofuran	5.14	42	2759	3.631	ug/l #	71
31) Cyclohexane	5.64	56	6772	1.396	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	24462	5.985	ug/l #	50
38) Carbon Tetrachloride	5.64	117	34726	7.326	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	79647	57.865	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	79647	145.367	ug/l #	11
95) Naphthalene	13.83	128	7539	1.295	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.02	180	3344	1.090	ug/l	77

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX011991.D
Acq On : 01 Sep 2019 14:43
Operator : SY/SP
Sample : K4528-14
Misc : 5.85g/5.0mL/MSVOA_X/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S4-(0)

Quant Time: Sep 02 03:53:55 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: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

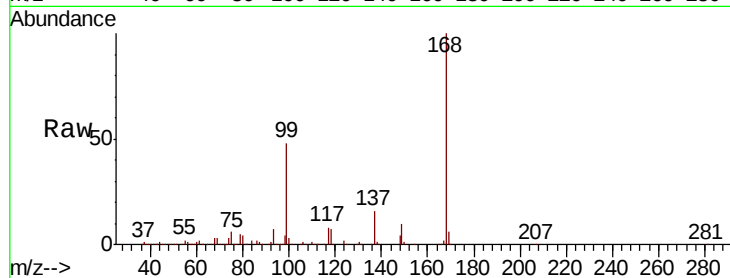
T9-12-13-S4-(0)

Tgt Ion:168 Resp: 405449

Ion Ratio Lower Upper

168 100

99 47.9 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

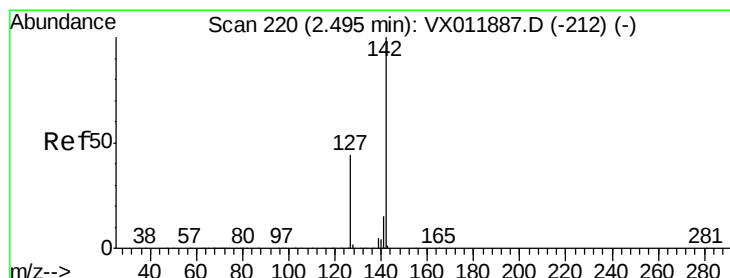
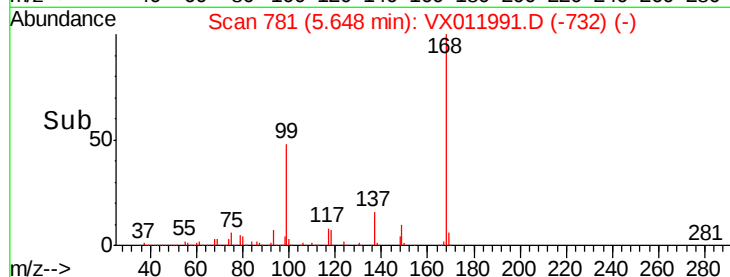
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 4.015 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

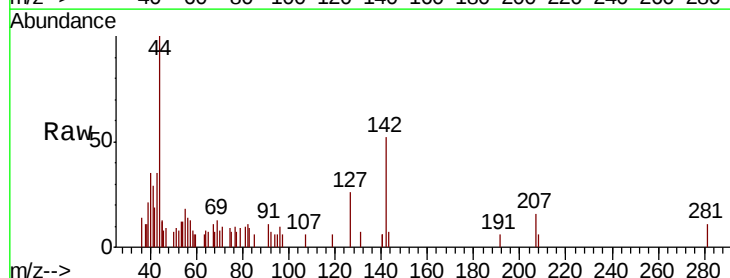
Tgt Ion:142 Resp: 1223

Ion Ratio Lower Upper

142 100

127 46.4 35.7 53.5

141 12.3 11.8 17.6



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

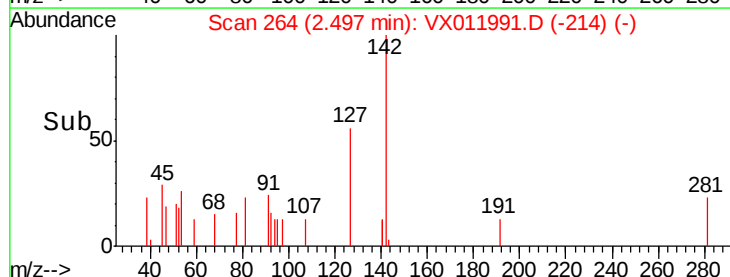
600

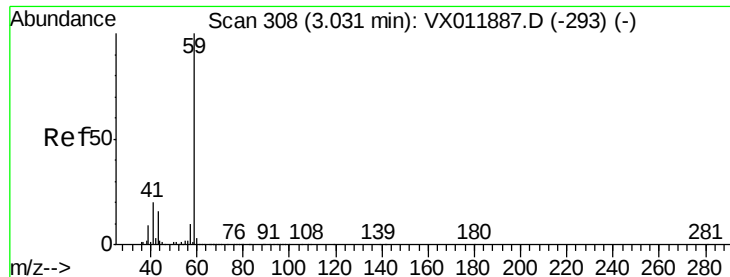
400

200

0

Time-->

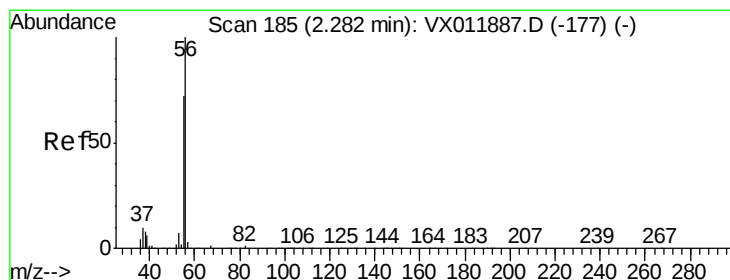
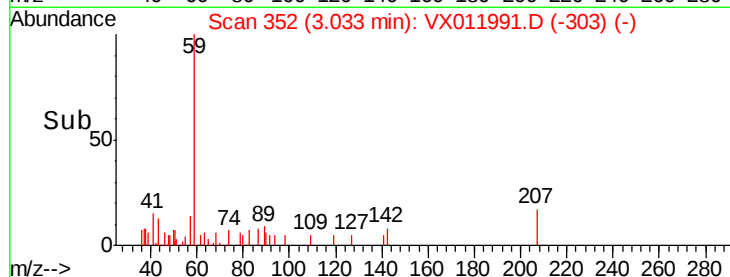
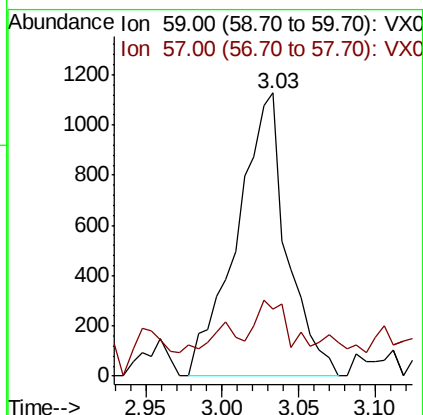
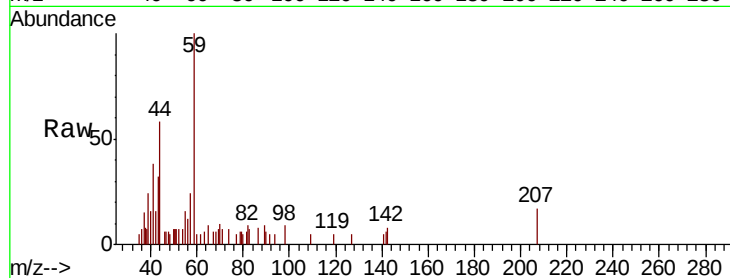




#11
Tert butyl alcohol
Concen: 6.898 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011991.D
Acq: 01 Sep 2019 14:43

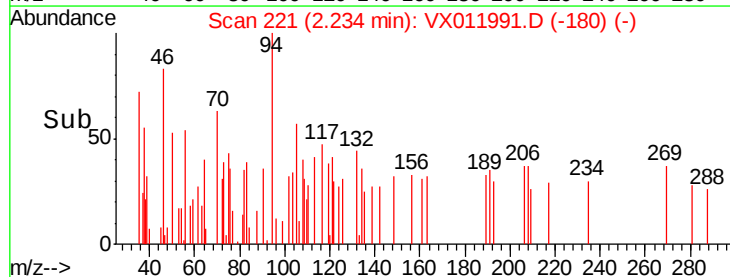
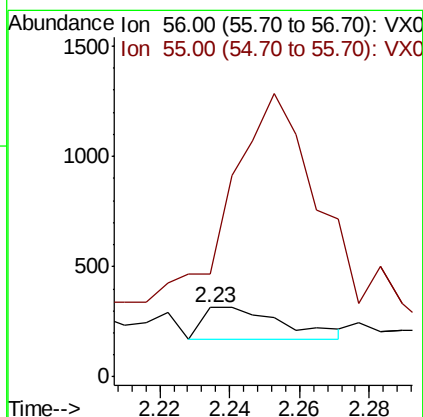
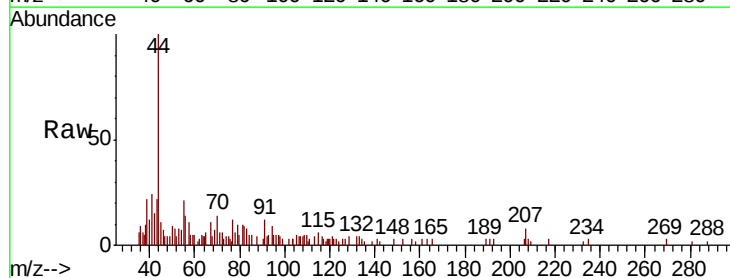
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S4-(0)

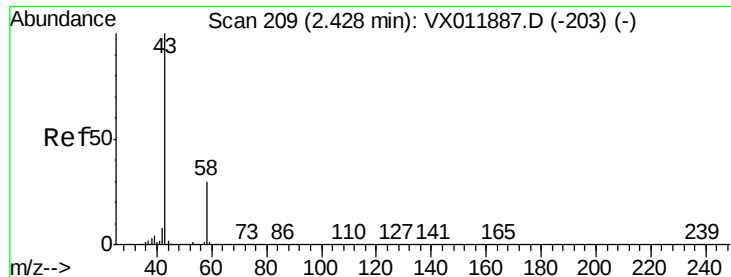
Tgt Ion: 59 Resp: 2578
Ion Ratio Lower Upper
59 100
57 9.0 8.6 12.8



#13
Acrolein
Concen: 1.236 ug/l
RT: 2.23 min Scan# 221
Delta R.T. -0.05 min
Lab File: VX011991.D
Acq: 01 Sep 2019 14:43

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 983.5 58.6 88.0#





#16

Acetone

Concen: 4.398 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

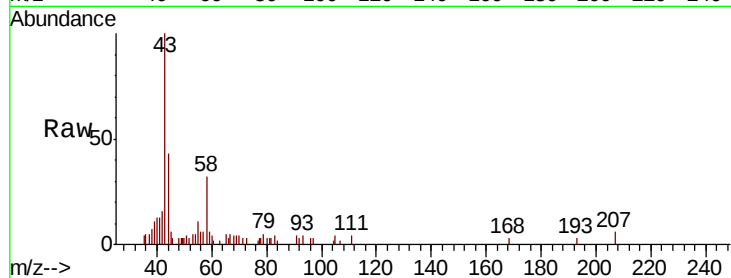
T9-12-13-S4-(0)

Tgt Ion: 43 Resp: 3676

Ion Ratio Lower Upper

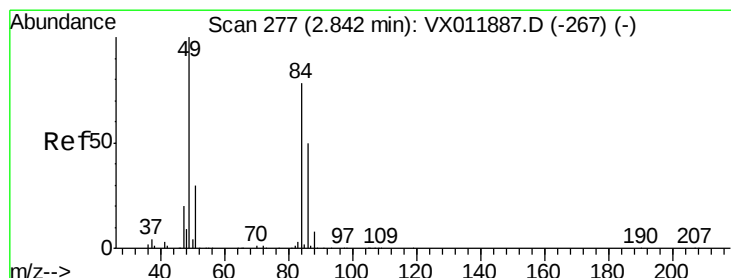
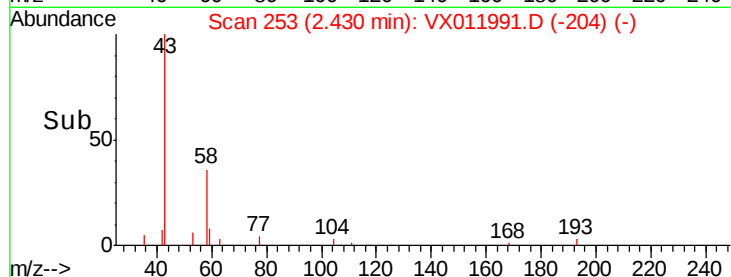
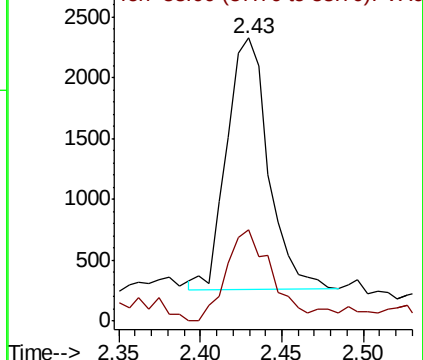
43 100

58 36.3 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: VX011991.D

Acq: 01 Sep 2019 14:43

Tgt Ion: 84 Resp: 10268

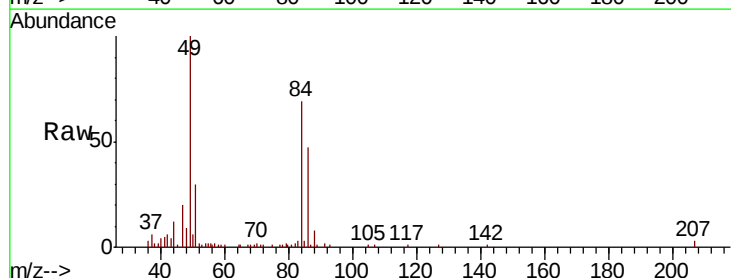
Ion Ratio Lower Upper

84 100

49 142.3 103.0 154.4

51 41.1 30.8 46.2

86 67.2 51.3 76.9

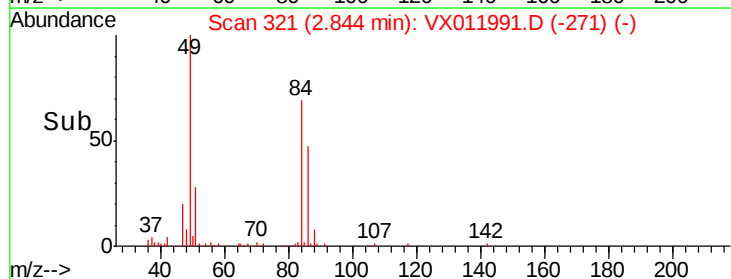
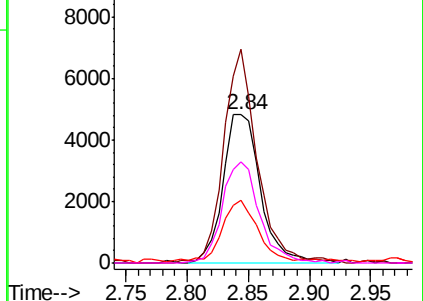


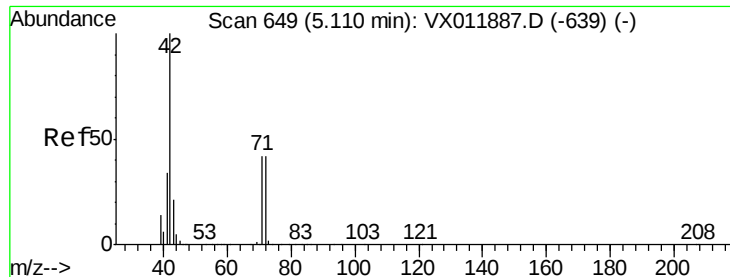
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 3.631 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.03 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S4-(0)

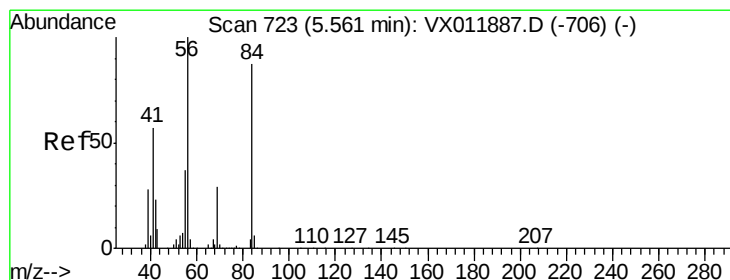
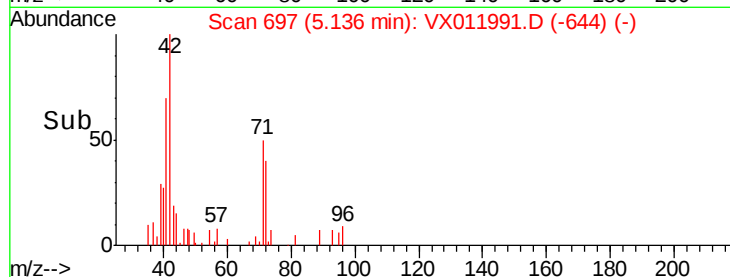
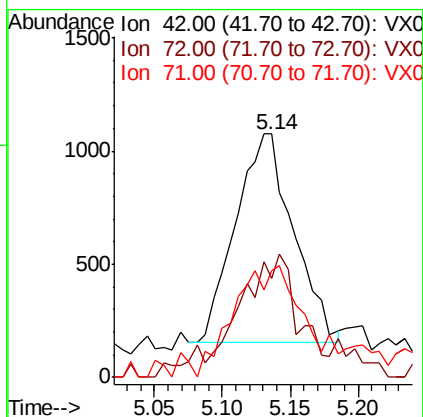
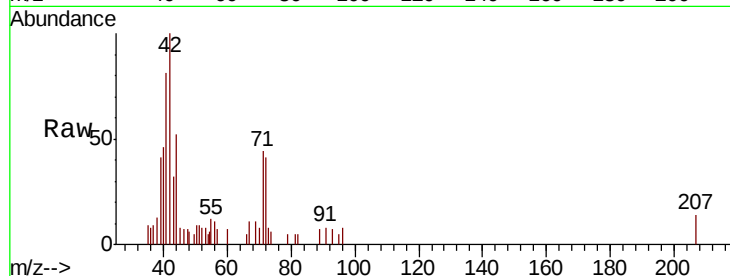
Tgt Ion: 42 Resp: 2759

Ion Ratio Lower Upper

42 100

72 58.3 36.2 54.4#

71 66.0 33.1 49.7#



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

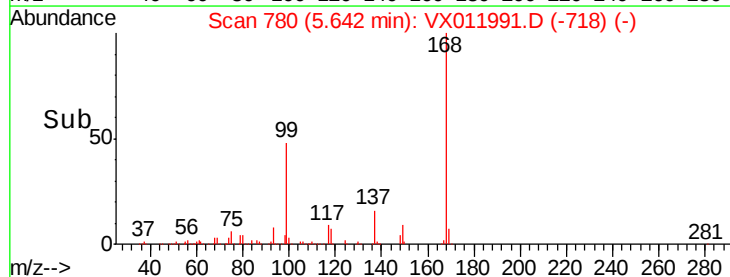
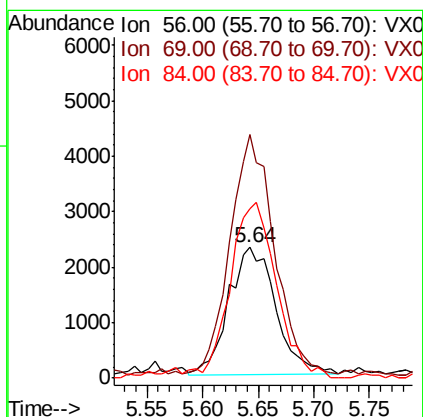
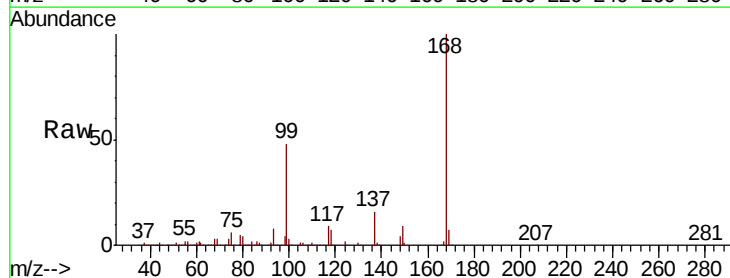
Tgt Ion: 56 Resp: 6772

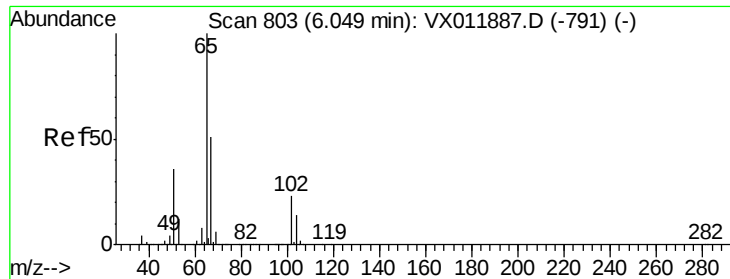
Ion Ratio Lower Upper

56 100

69 189.6 23.1 34.7#

84 134.5 69.6 104.4#

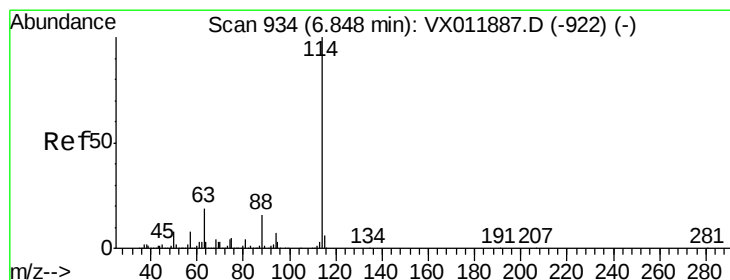
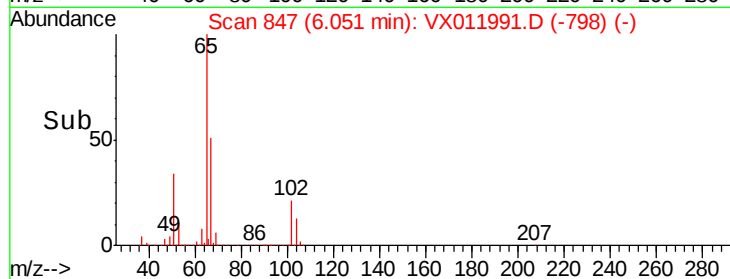
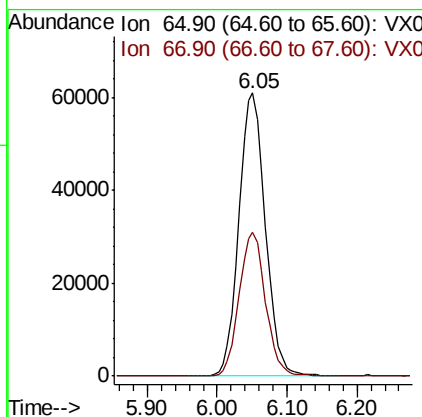
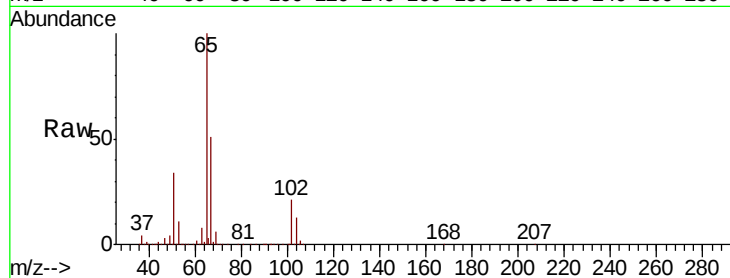




#33
 1,2-Dichloroethane-d4
 Concen: 41.329 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

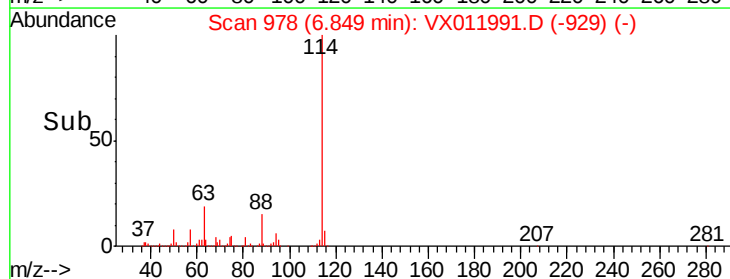
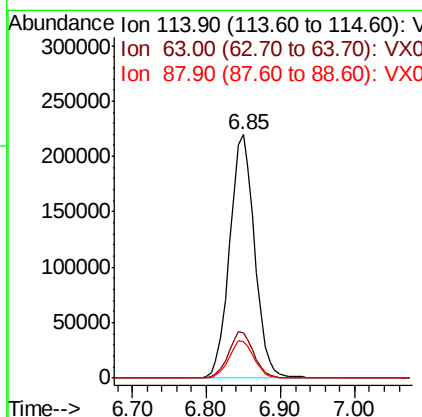
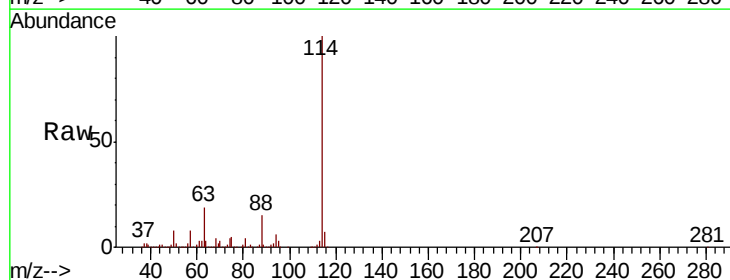
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S4-(0)

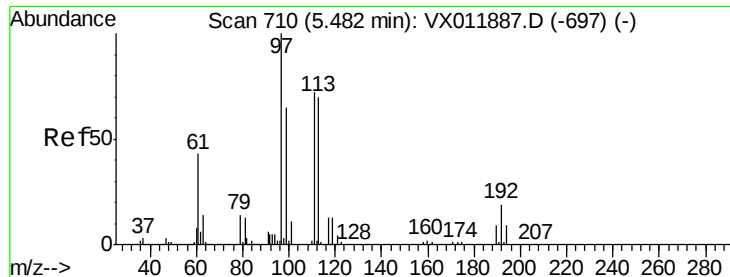
Tgt Ion: 65 Resp: 160546
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

Tgt Ion: 114 Resp: 515882
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.8
 88 15.1 0.0 31.2

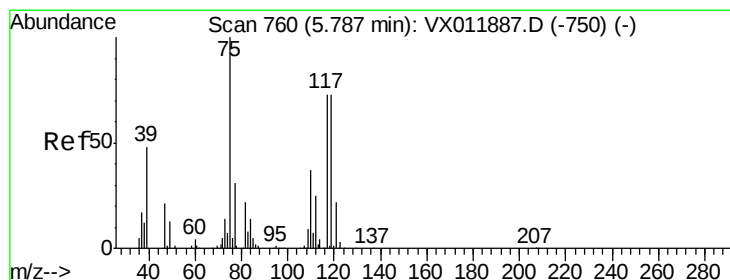
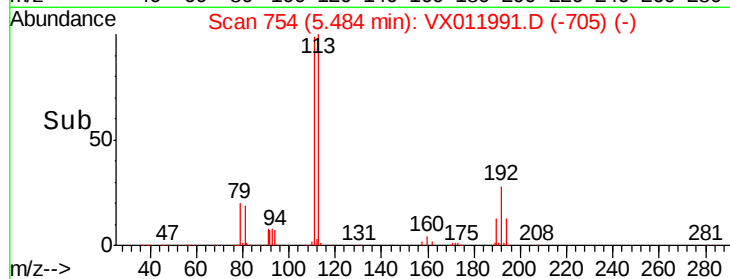
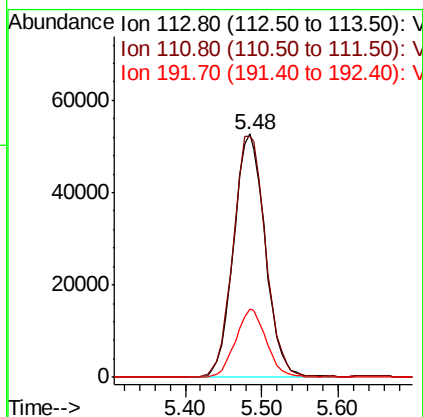
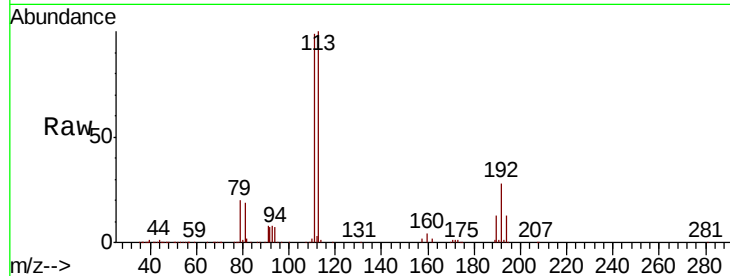




#35
 Dibromofluoromethane
 Concen: 45.480 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

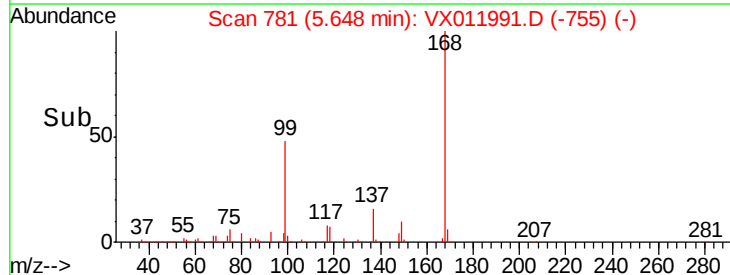
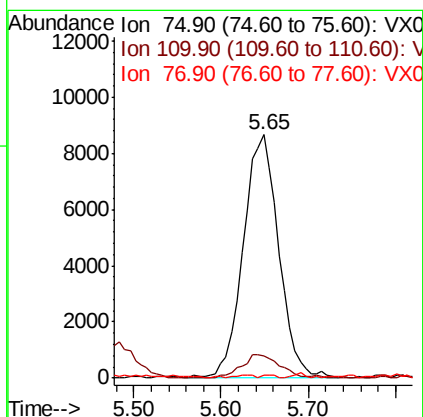
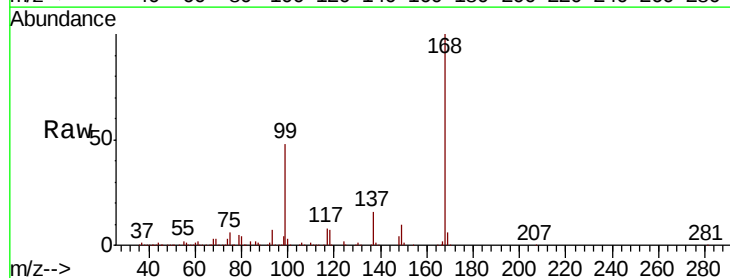
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S4-(0)

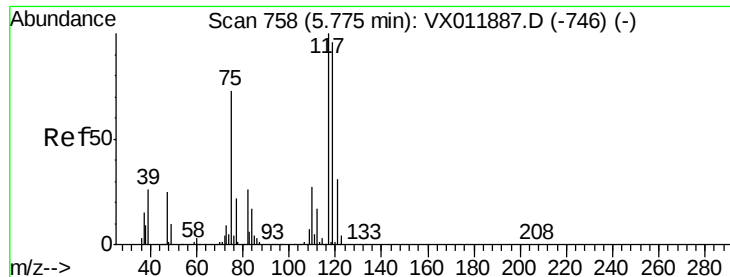
Tgt Ion: 113 Resp: 150450
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.1 123.1
 192 27.5 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.985 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

Tgt Ion: 75 Resp: 24462
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.1 57.3#
 77 0.5 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.326 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S4-(0)

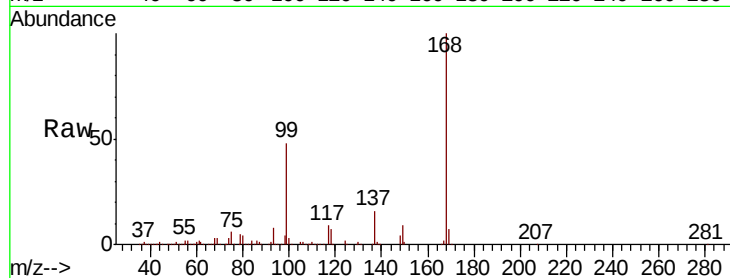
Tgt Ion:117 Resp: 34726

Ion Ratio Lower Upper

117 100

119 4.1 76.6 114.8#

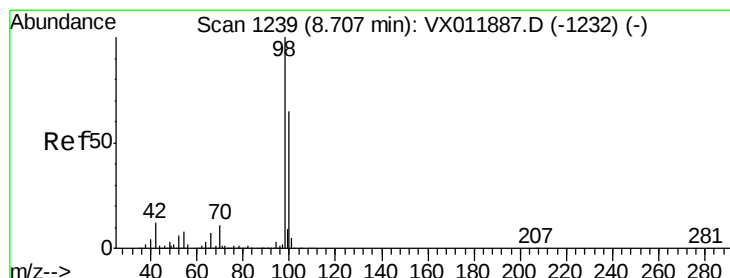
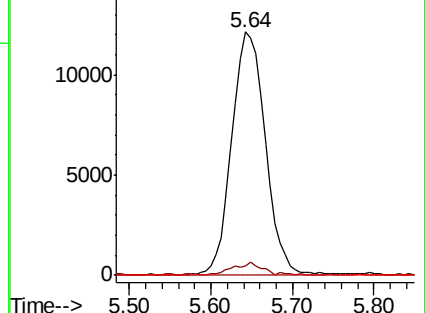
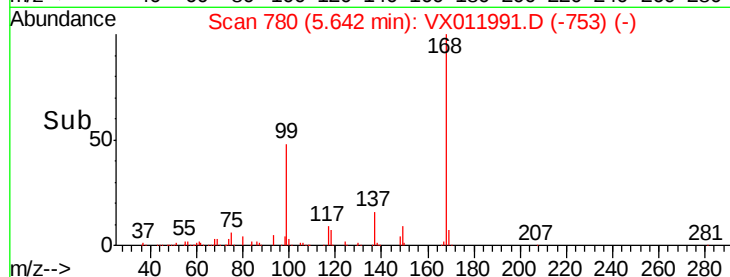
121 0.0 24.7 37.1#



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: 46.695 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011991.D

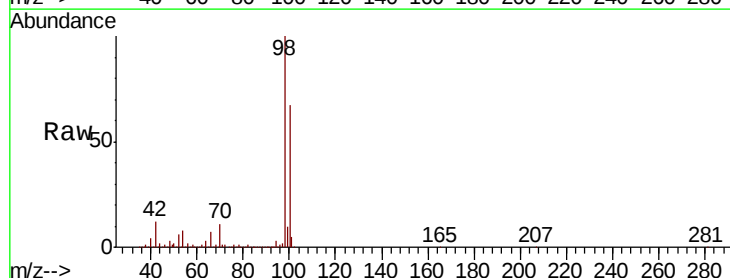
Acq: 01 Sep 2019 14:43

Tgt Ion: 98 Resp: 552174

Ion Ratio Lower Upper

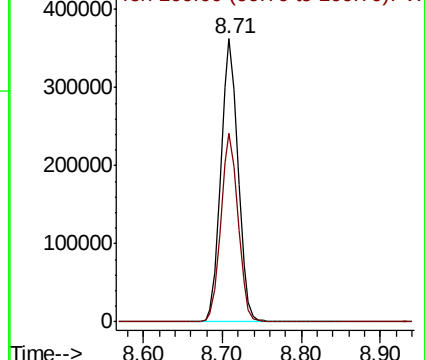
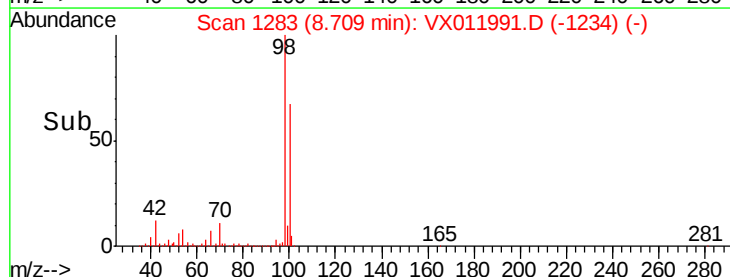
98 100

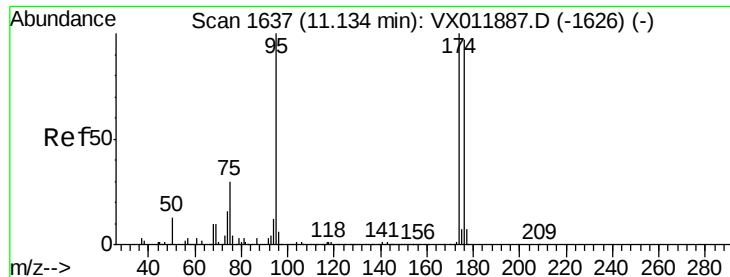
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 30.848 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S4-(0)

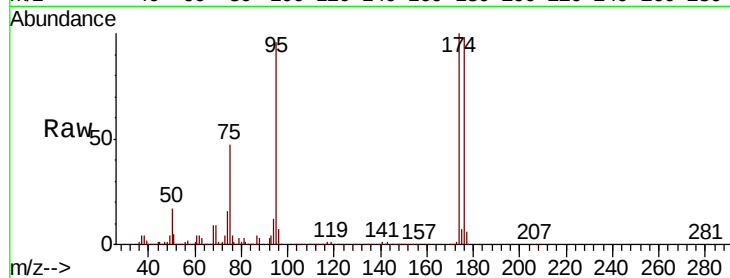
Tgt Ion: 95 Resp: 160016

Ion Ratio Lower Upper

95 100

174 100.0 0.0 196.0

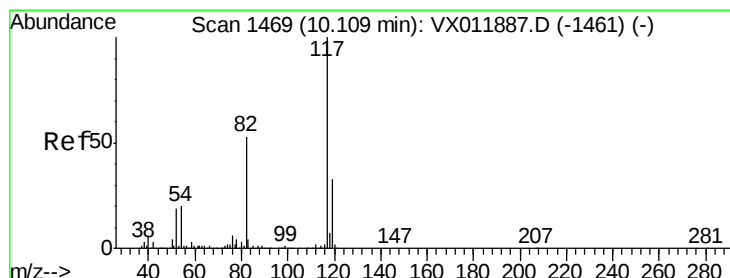
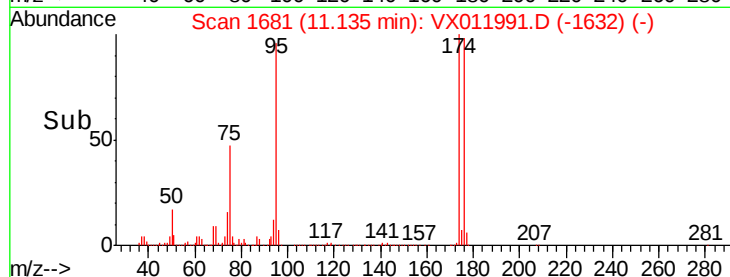
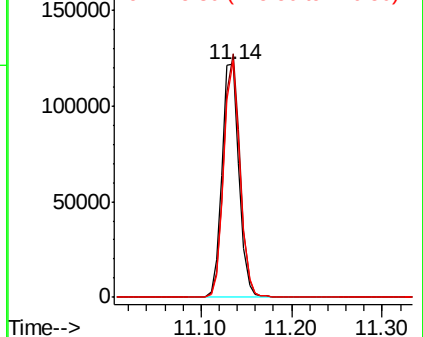
176 96.6 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

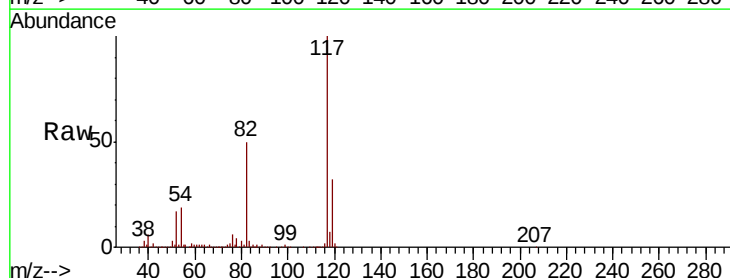
Tgt Ion: 117 Resp: 392714

Ion Ratio Lower Upper

117 100

82 49.6 42.0 63.0

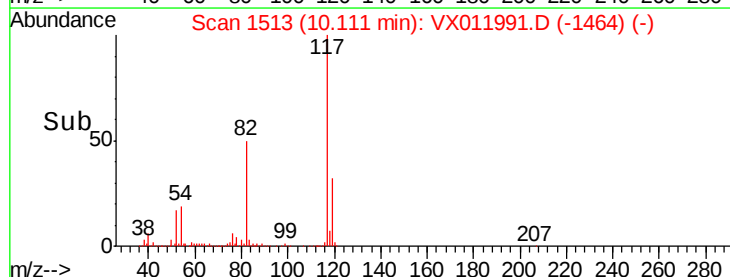
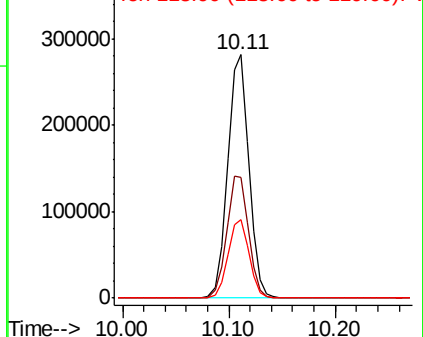
119 32.4 26.2 39.4

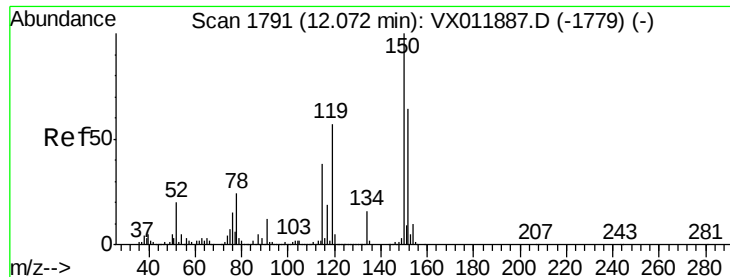


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



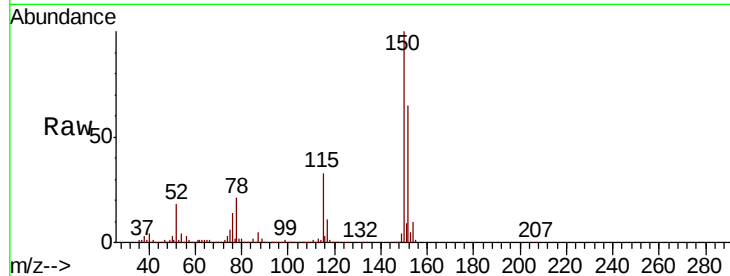


#72

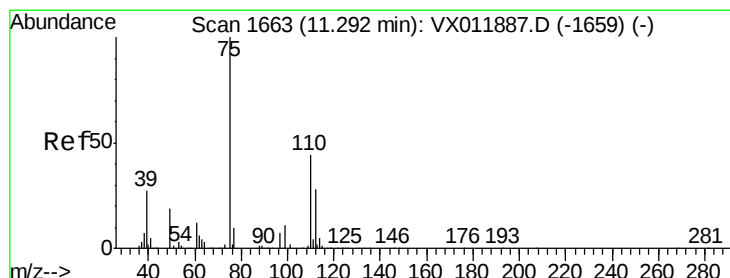
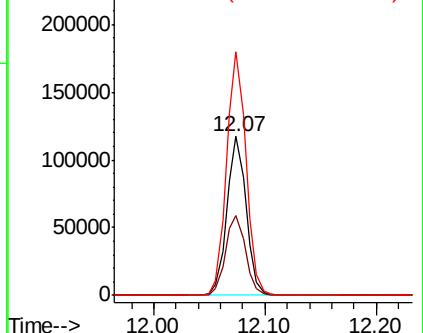
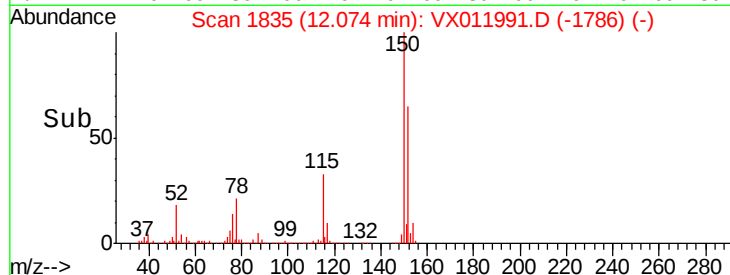
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011991.D
Acq: 01 Sep 2019 14:43

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S4-(0)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	37.1	111.3
150	155.1	0.0	339.6



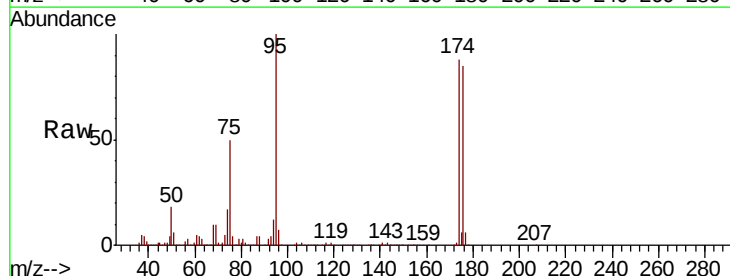
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



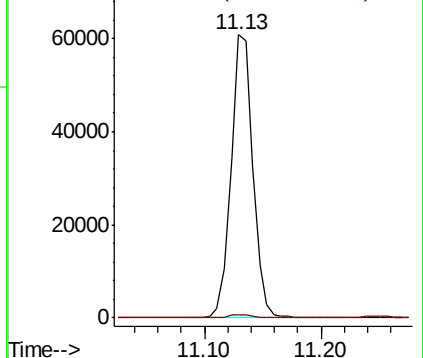
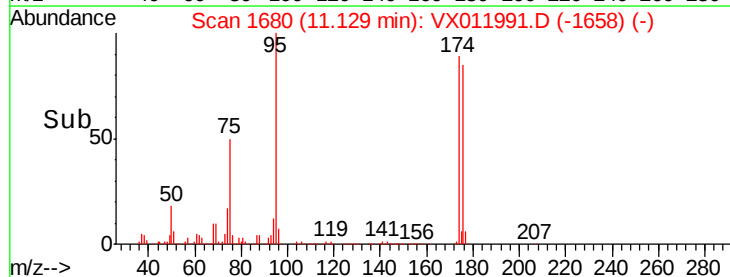
#76

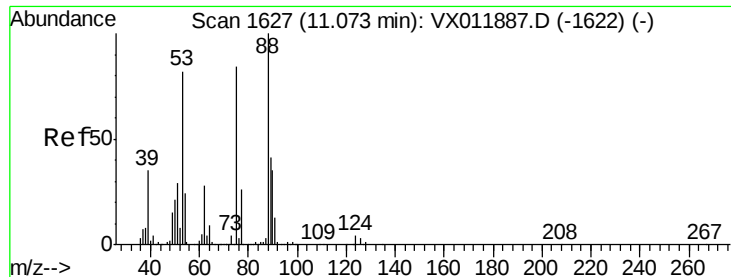
1,2,3-Trichloropropane
Concen: 57.865 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011991.D
Acq: 01 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	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: 145.367 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S4-(0)

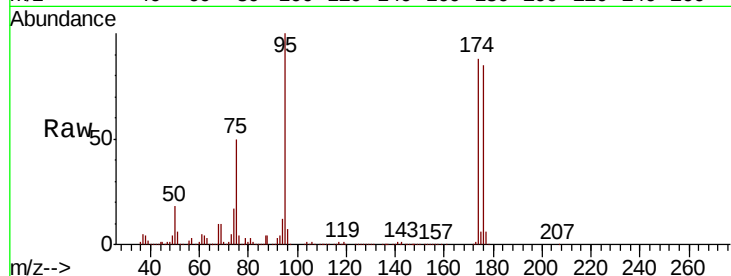
Tgt Ion: 75 Resp: 79647

Ion Ratio Lower Upper

75 100

53 0.3 77.1 115.7#

89 0.0 38.2 57.2#

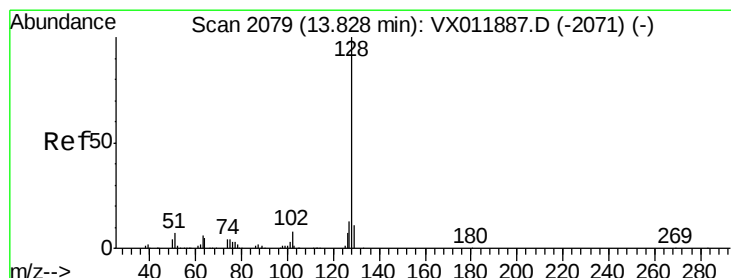
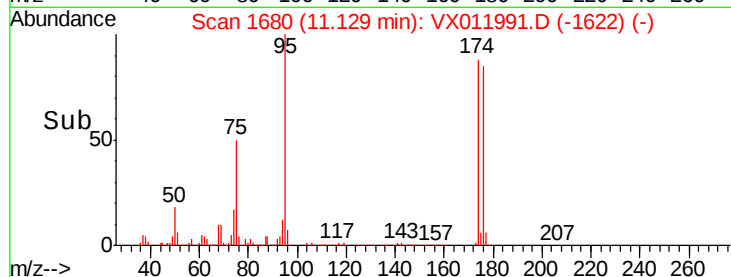
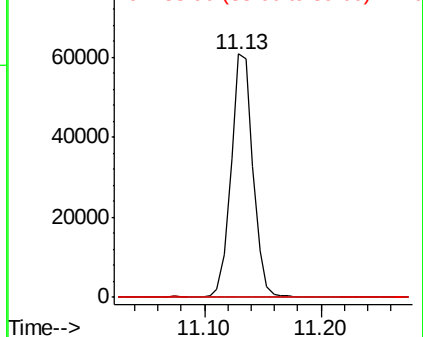


Abundance

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



#95

Naphthalene

Concen: 1.295 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

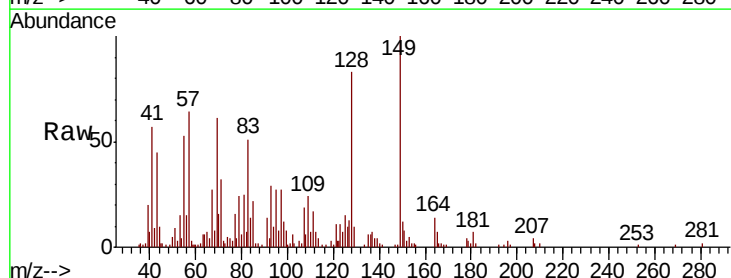
Tgt Ion: 128 Resp: 7539

Ion Ratio Lower Upper

128 100

127 19.2 10.4 15.6#

129 13.1 8.8 13.2

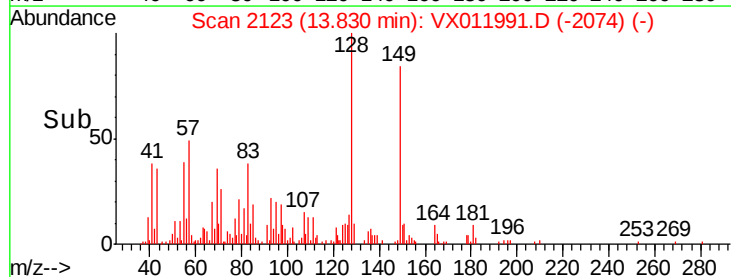
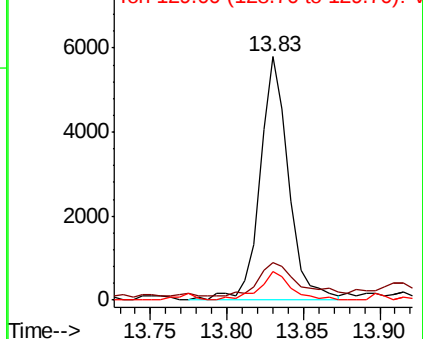


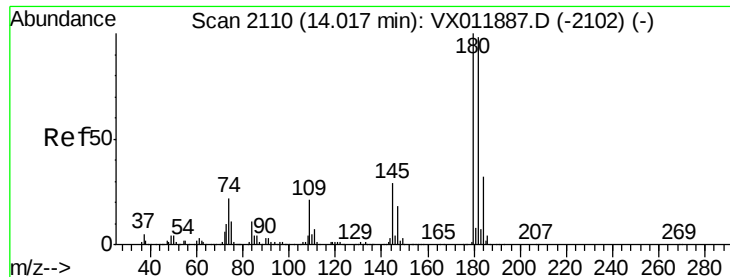
Abundance

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

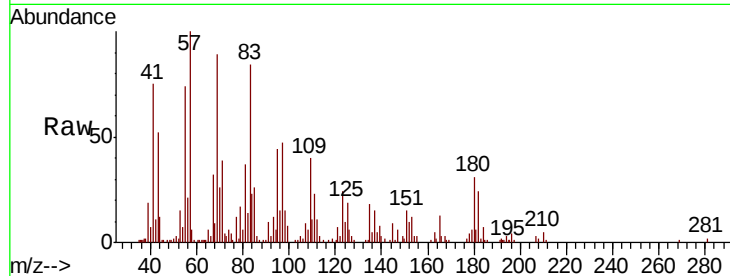




#96
 1,2,3-Trichlorobenzene
 Concen: 1.090 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S4-(0)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	67.4	48.3	144.8
145	30.3	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

