

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011902.D
 Acq On : 30 Aug 2019 10:55
 Operator : SY/SP
 Sample : VX0830SBL01
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBL01

Quant Time: Aug 31 01:59:05 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	368518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	501084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	459323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	267643	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	168548	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
35) Dibromofluoromethane	5.48	113	156532	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	587466	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.14	95	236030	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

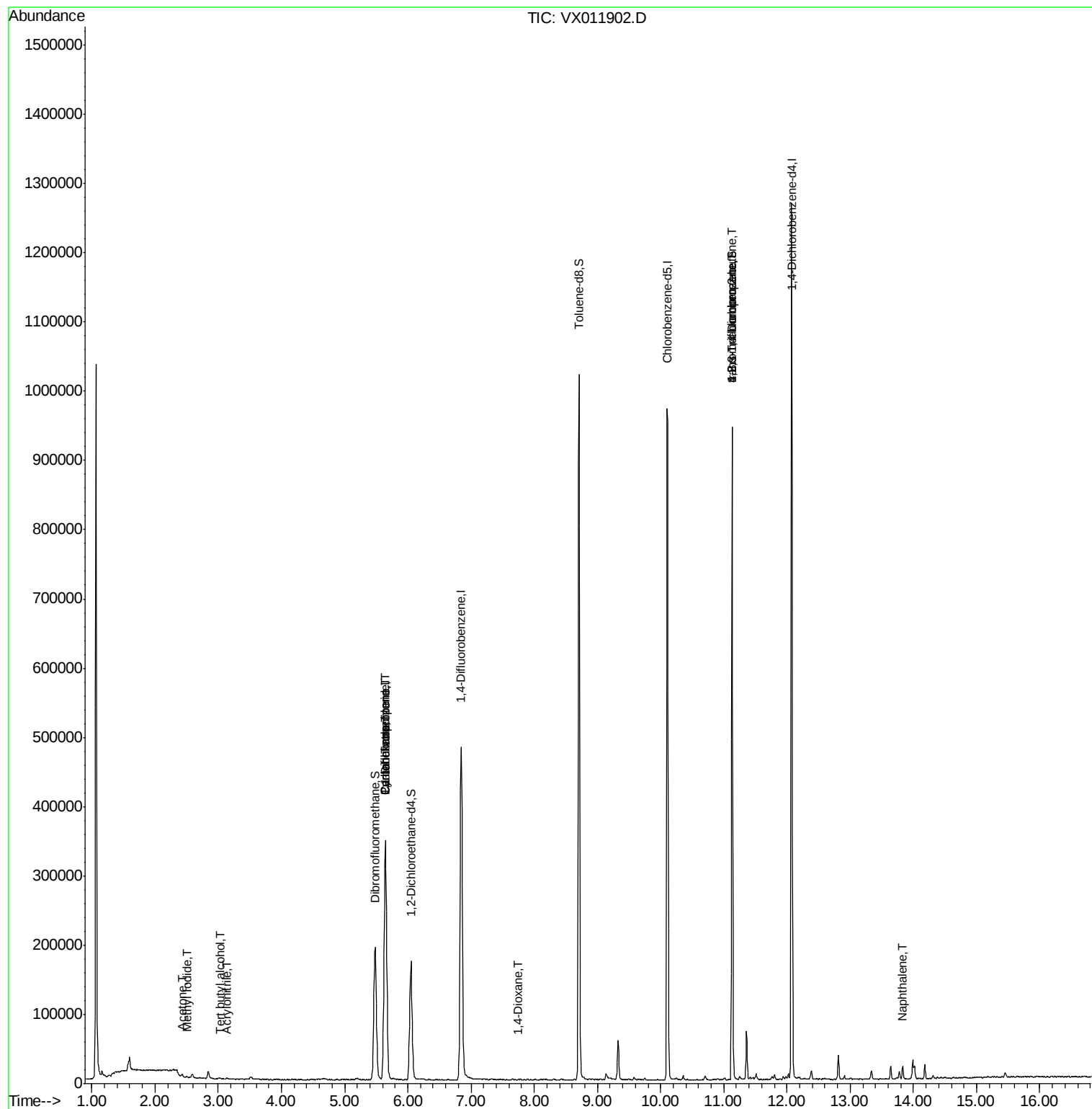
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	2041	4.298	ug/l #	97
11) Tert butyl alcohol	3.03	59	1111	3.271	ug/l #	60
15) Acrylonitrile	3.14	53	900	1.115	ug/l #	60
16) Acetone	2.43	43	4553	5.993	ug/l	93
20) Methylene Chloride	2.84	84	5417	Below Cal		88
31) Cyclohexane	5.64	56	6113	1.387	ug/l #	3
36) 1,1-Dichloropropene	5.65	75	22950	5.781	ug/l #	51
38) Carbon Tetrachloride	5.65	117	31795	6.906	ug/l #	16
49) 1,4-Dioxane	7.75	88	43	1.349	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	117060	44.462	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	117060	111.696	ug/l #	11
95) Naphthalene	13.83	128	11427	1.026	ug/l	96

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

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Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBL01

Quant Time: Aug 31 01:59:05 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

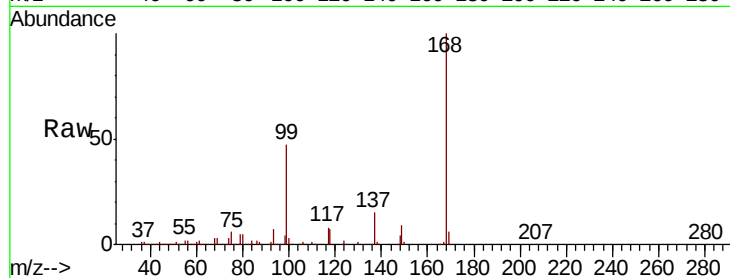
VX0830SBL01

Tgt Ion:168 Resp: 368518

Ion Ratio Lower Upper

168 100

99 47.2 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

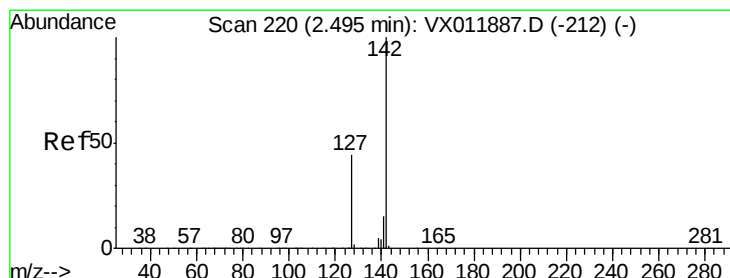
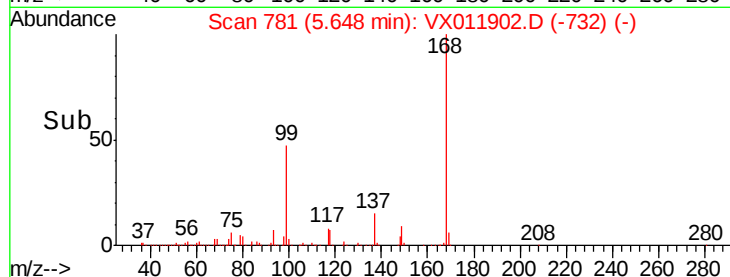
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.298 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

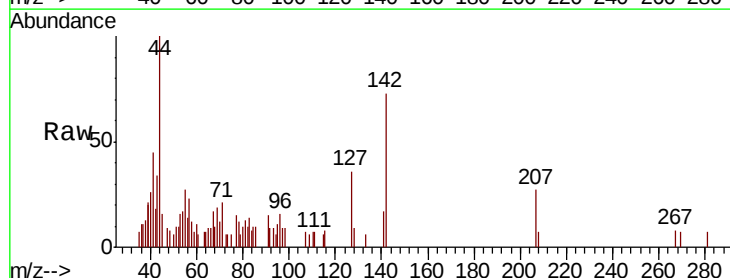
Tgt Ion:142 Resp: 2041

Ion Ratio Lower Upper

142 100

127 43.5 35.7 53.5

141 18.4 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

2.51

800

600

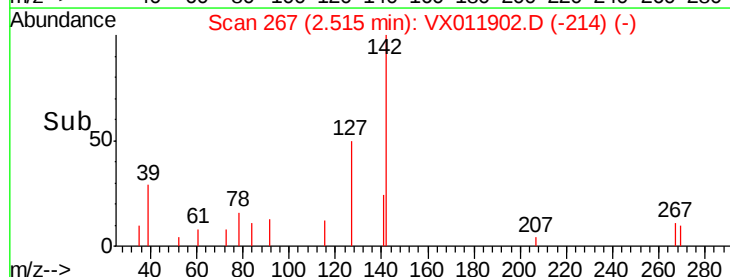
400

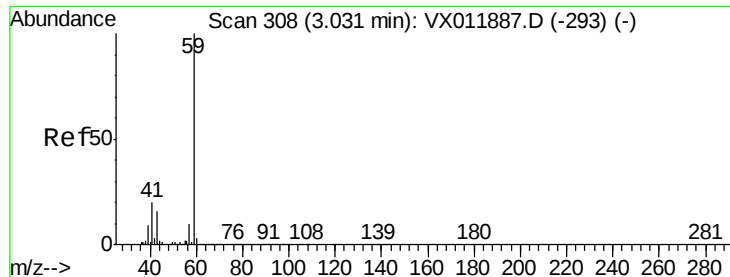
200

0

Time-->

2.45 2.50 2.55 2.60



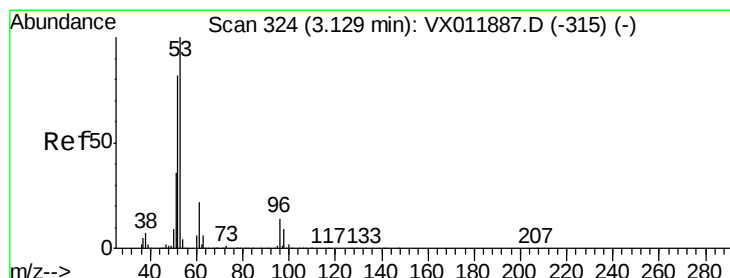
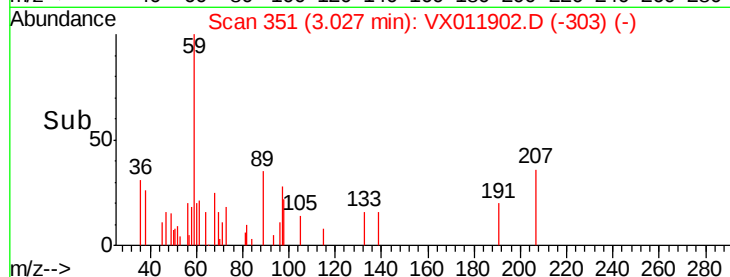
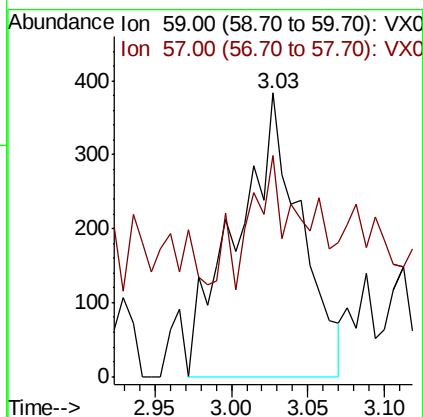
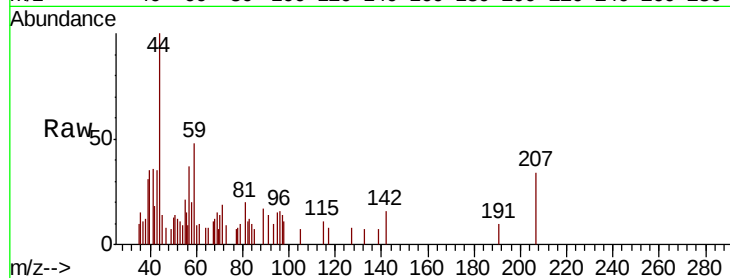


#11

Tert butyl alcohol
 Concen: 3.271 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX011902.D
 Acq: 30 Aug 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBL01

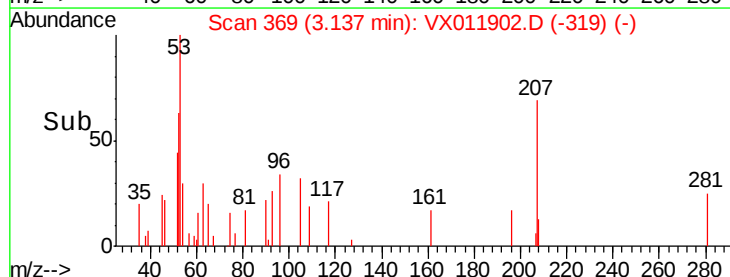
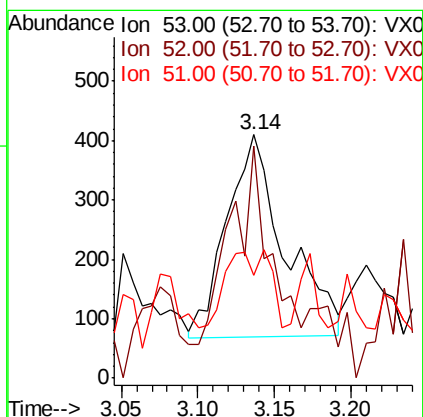
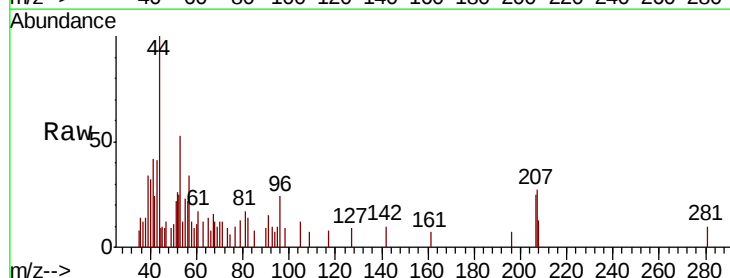
Tgt Ion: 59 Resp: 1111
 Ion Ratio Lower Upper
 59 100
 57 25.7 8.6 12.8#

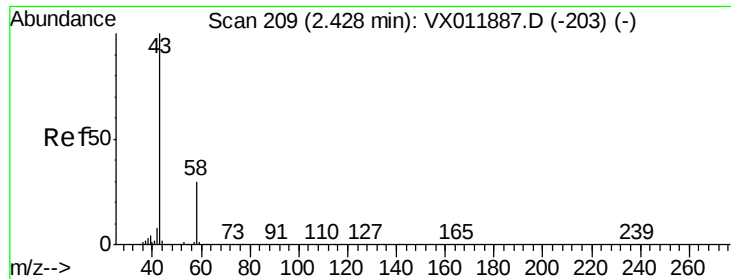


#15

Acrylonitrile
 Concen: 1.115 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX011902.D
 Acq: 30 Aug 2019 10:55

Tgt Ion: 53 Resp: 900
 Ion Ratio Lower Upper
 53 100
 52 30.2 65.3 97.9#
 51 37.2 29.4 44.2





#16

Acetone

Concen: 5.993 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

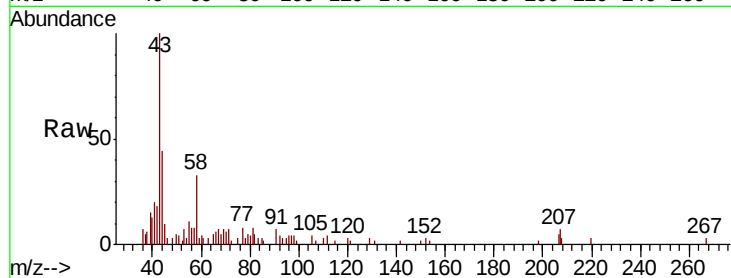
VX0830SBL01

Tgt Ion: 43 Resp: 4553

Ion Ratio Lower Upper

43 100

58 33.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2500

2000

1500

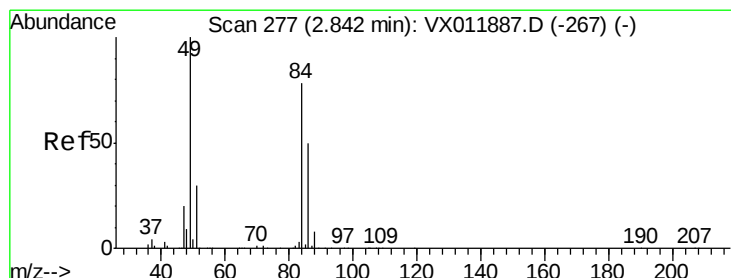
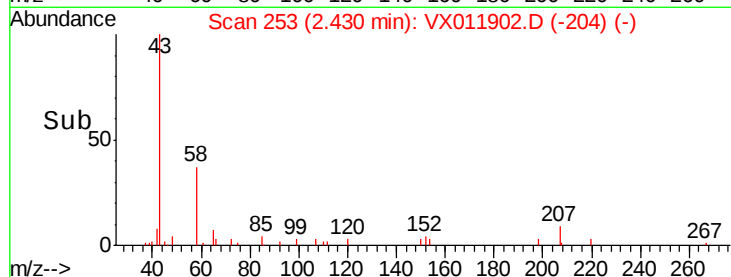
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Tgt Ion: 84 Resp: 5417

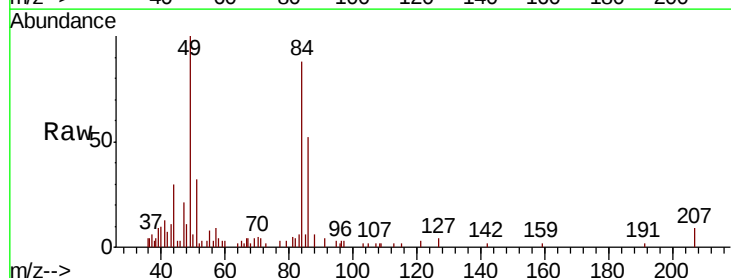
Ion Ratio Lower Upper

84 100

49 111.4 103.0 154.4

51 33.6 30.8 46.2

86 58.7 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

4000

3000

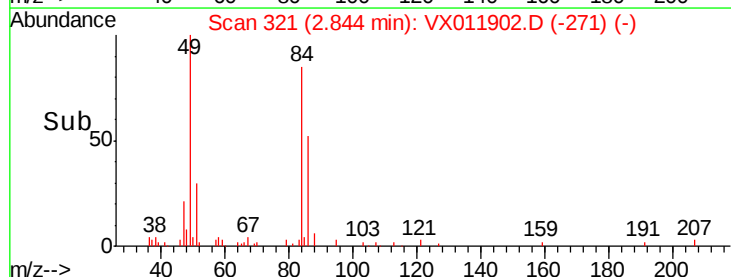
2000

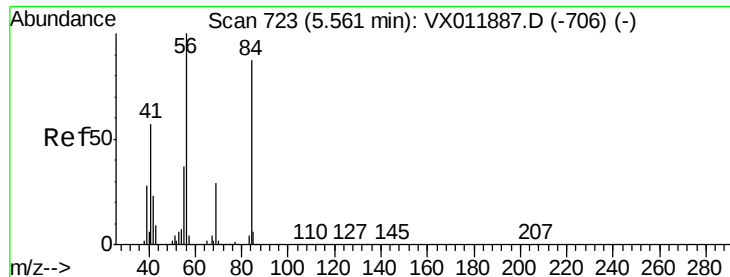
1000

0

2.80 2.90

Time-->





#31

Cyclohexane

Concen: 1.387 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBL01

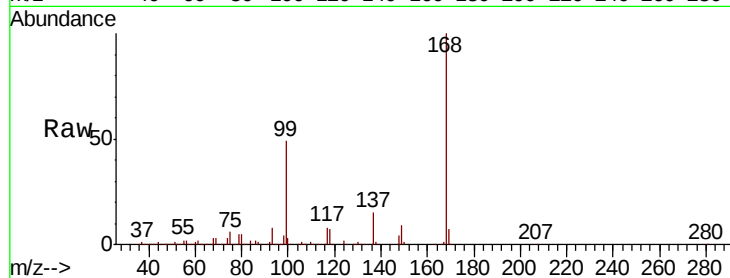
Tgt Ion: 56 Resp: 6113

Ion Ratio Lower Upper

56 100

69 163.5 23.1 34.7#

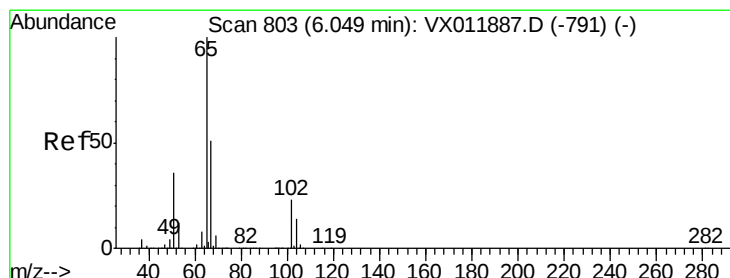
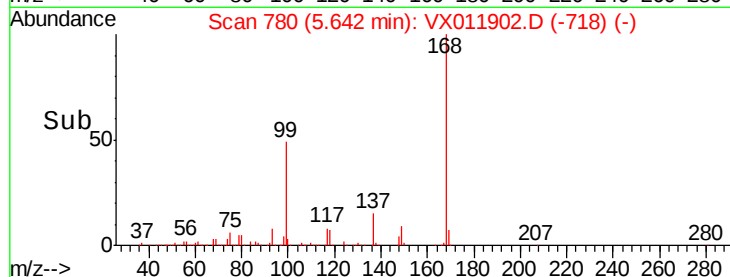
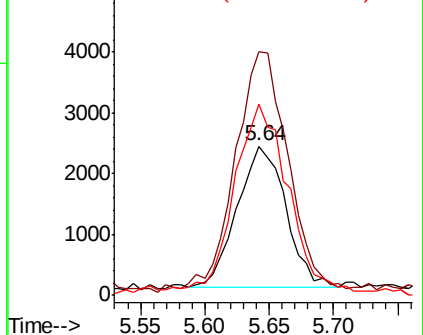
84 129.4 69.6 104.4#



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: 47.737 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011902.D

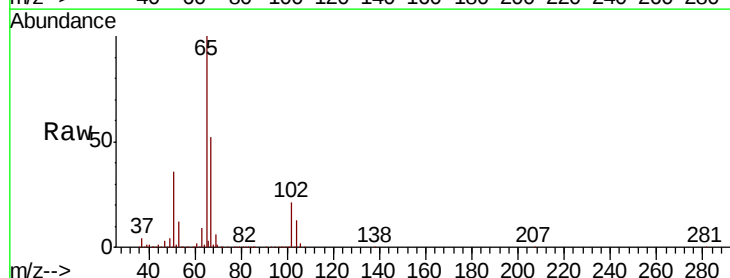
Acq: 30 Aug 2019 10:55

Tgt Ion: 65 Resp: 168548

Ion Ratio Lower Upper

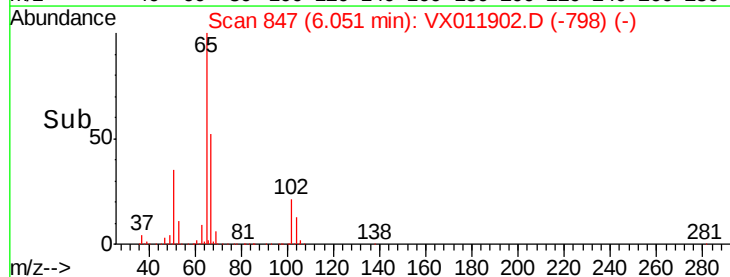
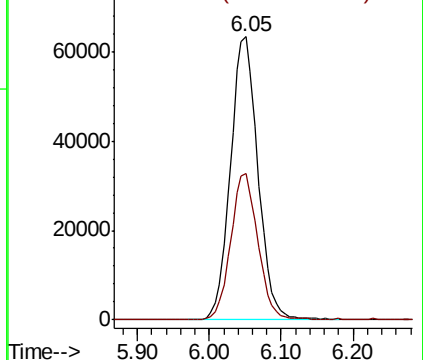
65 100

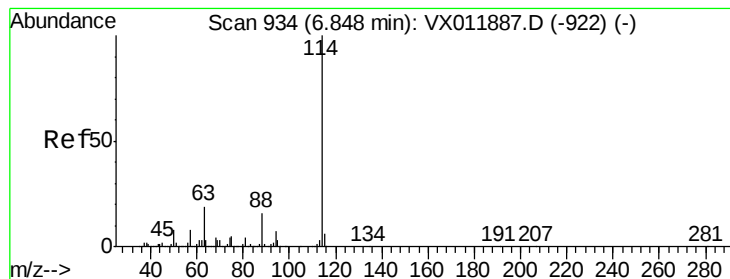
67 50.6 0.0 102.2



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: 6.84 min Scan# 977

Delta R.T. -0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBL01

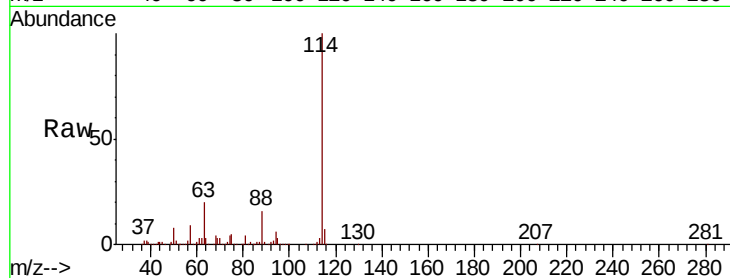
Tgt Ion:114 Resp: 501084

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

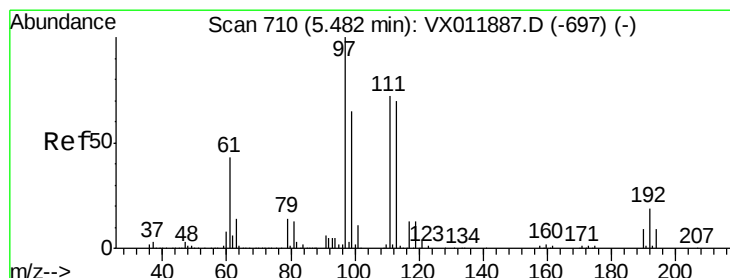
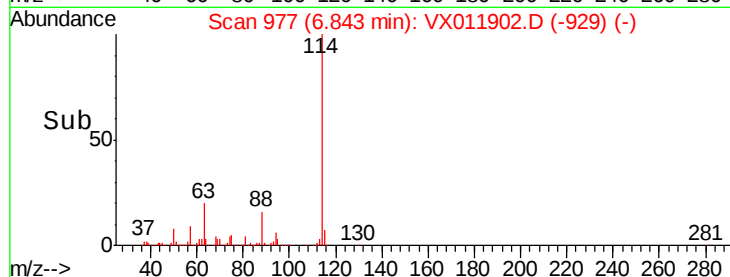
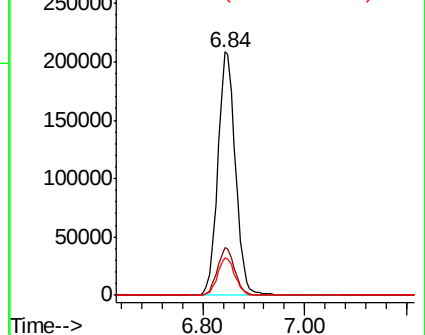
88 15.6 0.0 31.2



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: 48.716 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

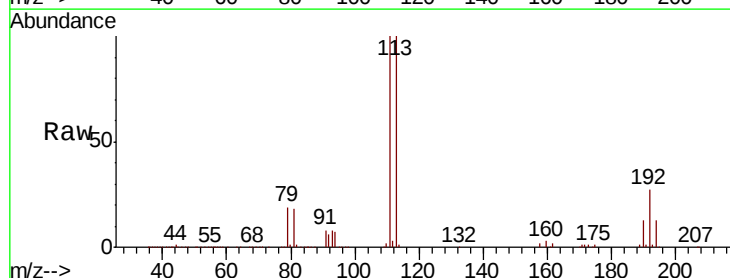
Tgt Ion:113 Resp: 156532

Ion Ratio Lower Upper

113 100

111 101.4 82.1 123.1

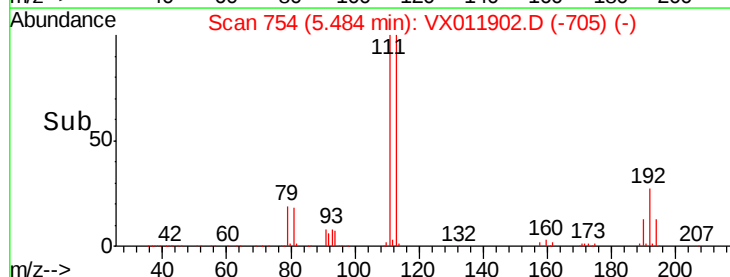
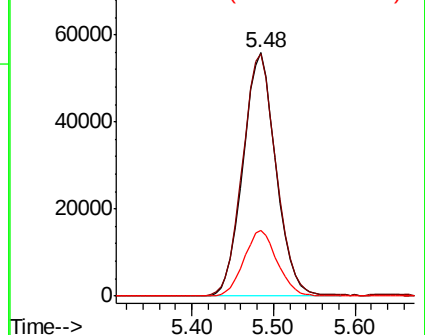
192 27.4 21.5 32.3

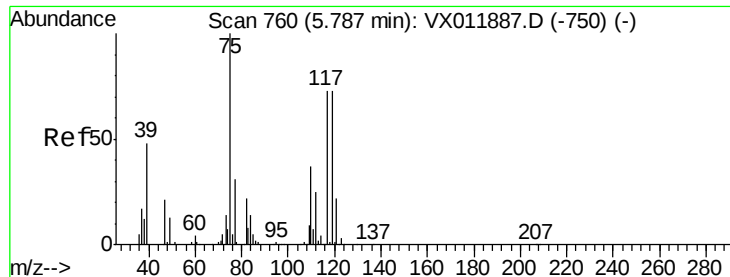


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

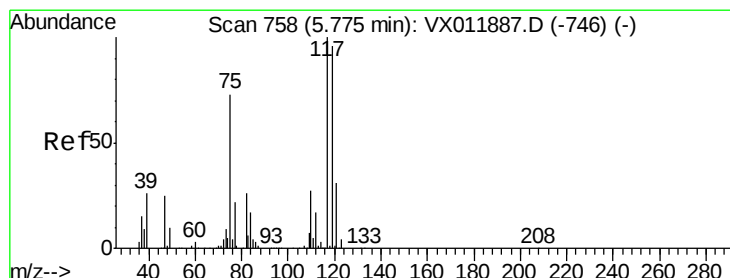
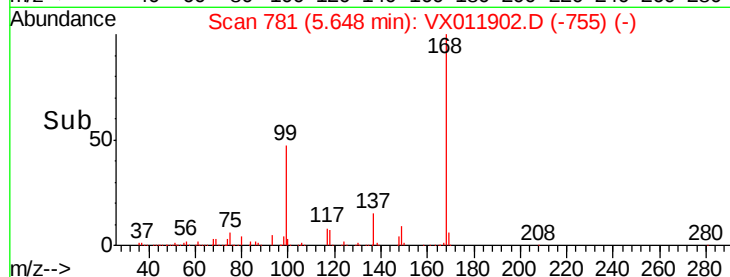
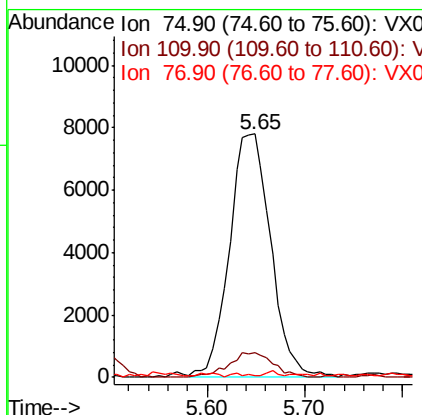
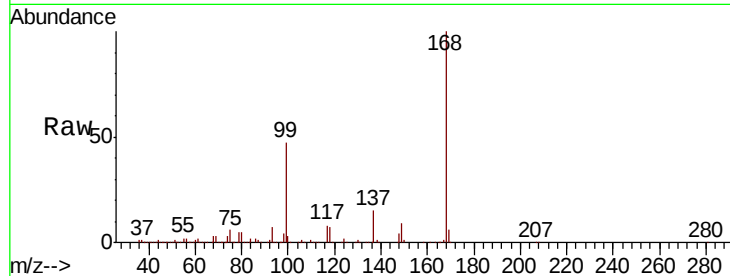




#36
 1,1-Dichloropropene
 Concen: 5.781 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011902.D
 Acq: 30 Aug 2019 10:55

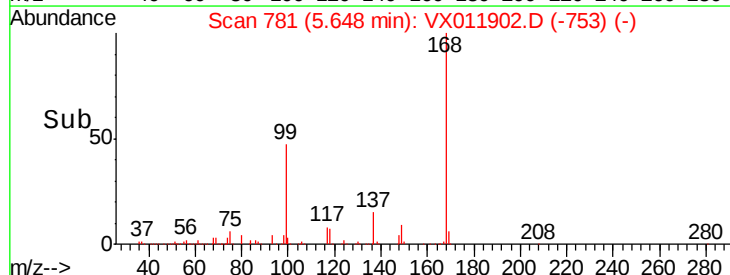
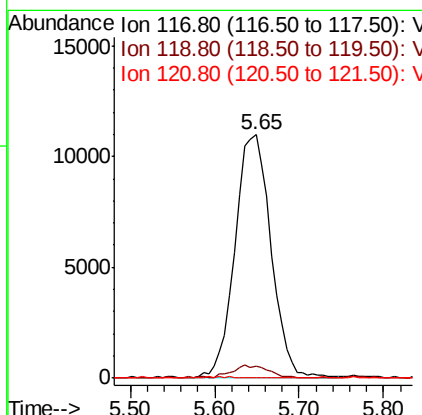
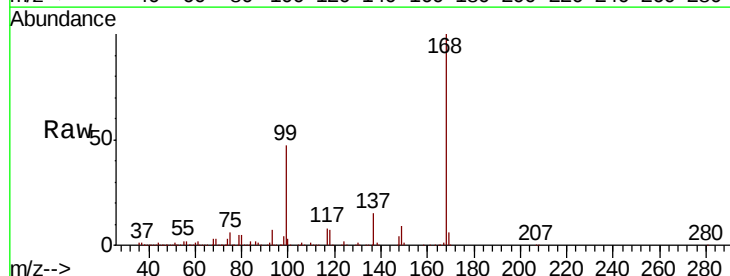
Instrument :
 MSVOA_X
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 VX0830SBL01

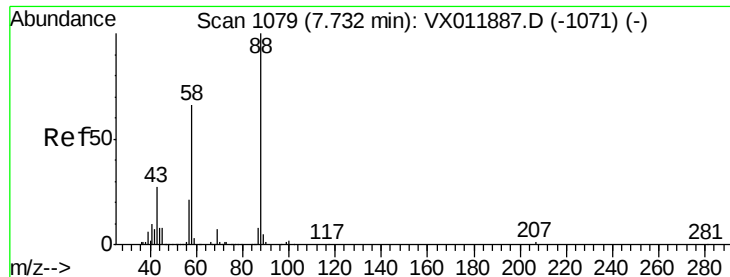
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	19.1	57.3#
77	0.7	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.906 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX011902.D
 Acq: 30 Aug 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.6	114.8#
121	0.0	24.7	37.1#

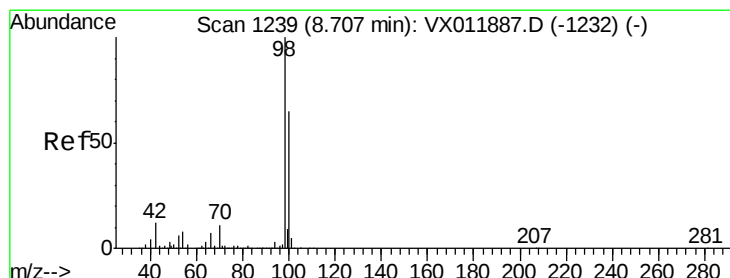
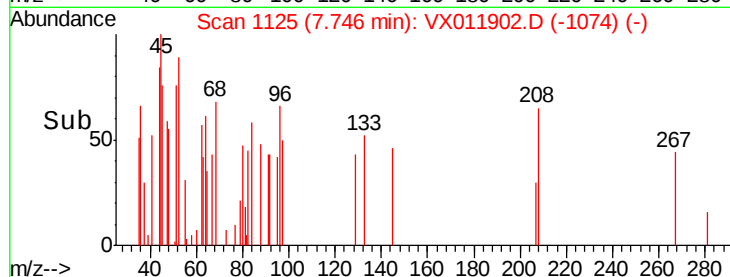
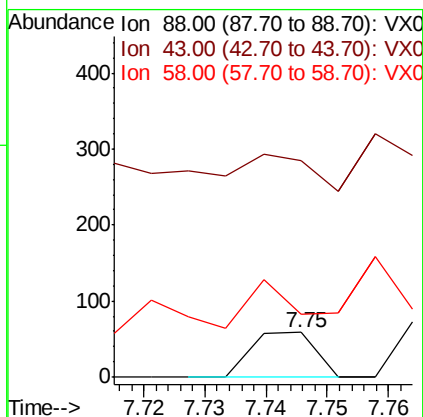
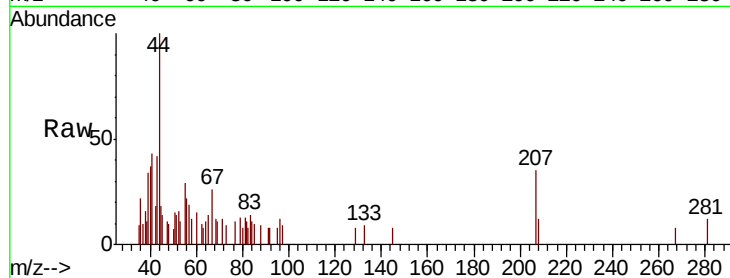




#49
1,4-Dioxane
Concen: 1.349 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX011902.D
Acq: 30 Aug 2019 10:55

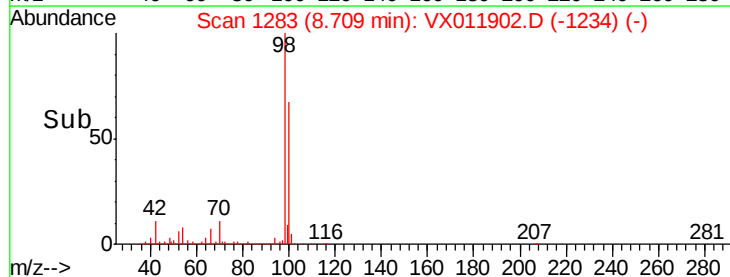
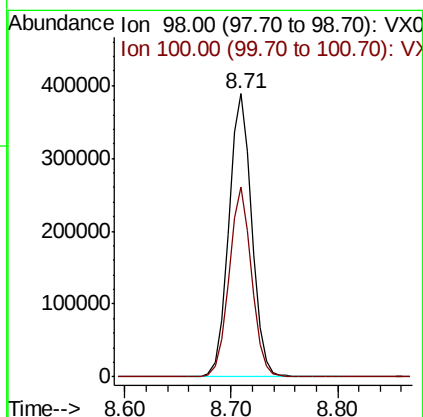
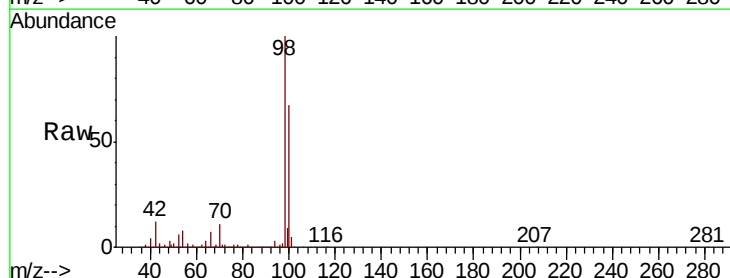
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBL01

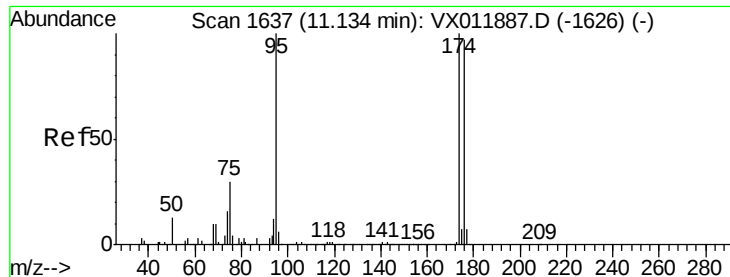
Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 0.0 27.3 40.9#
58 0.0 53.9 80.9#



#50
Toluene-d8
Concen: 51.146 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011902.D
Acq: 30 Aug 2019 10:55

Tgt Ion: 98 Resp: 587466
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6





#62

4-Bromofluorobenzene

Concen: 46.845 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBL01

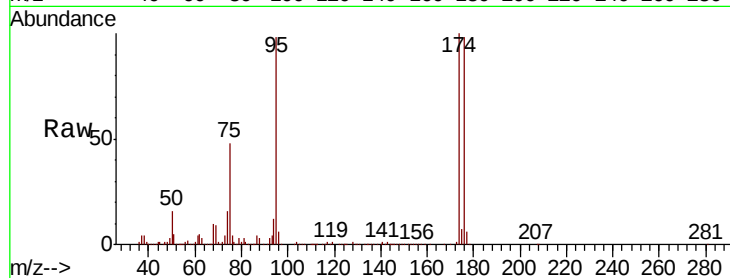
Tgt Ion: 95 Resp: 236030

Ion Ratio Lower Upper

95 100

174 97.6 0.0 196.0

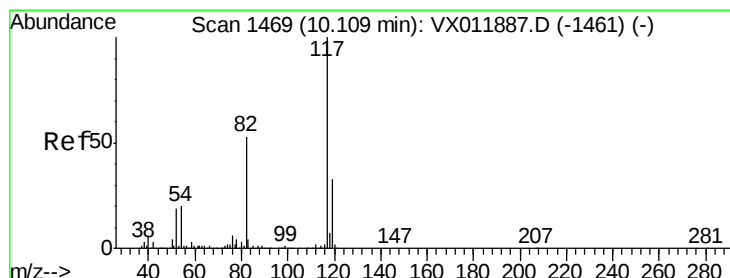
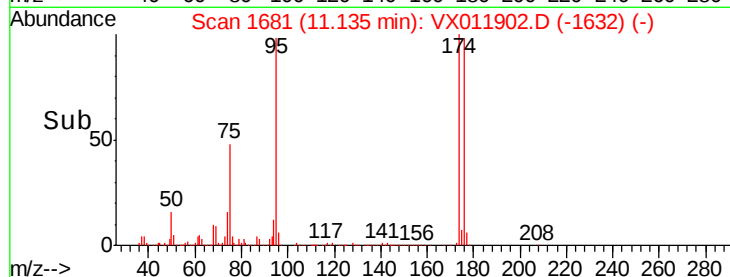
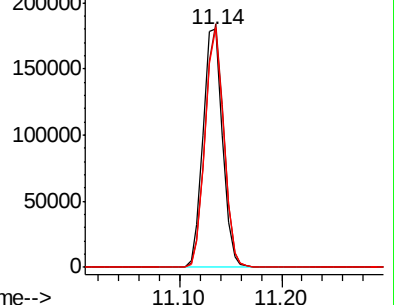
176 95.9 0.0 191.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

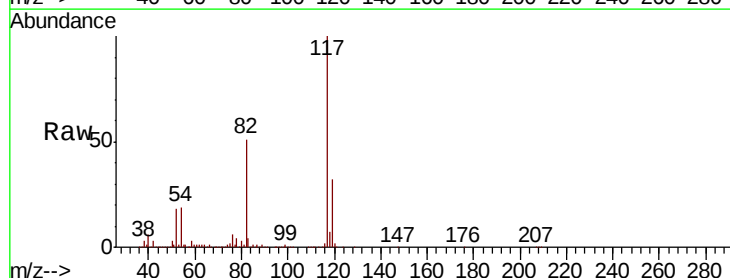
Tgt Ion: 117 Resp: 459323

Ion Ratio Lower Upper

117 100

82 50.9 42.0 63.0

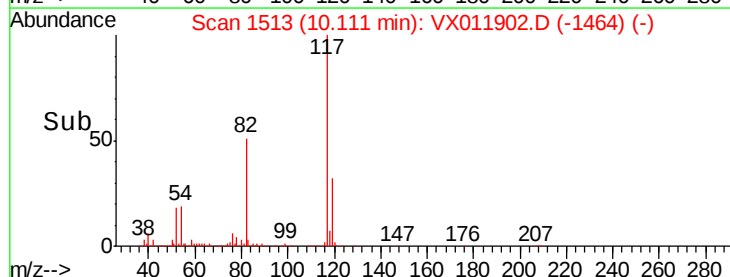
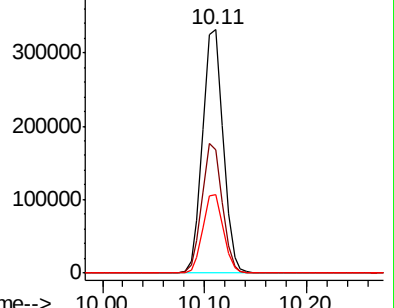
119 32.0 26.2 39.4

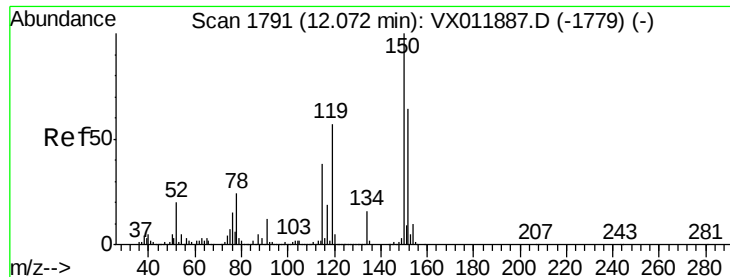


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

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

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



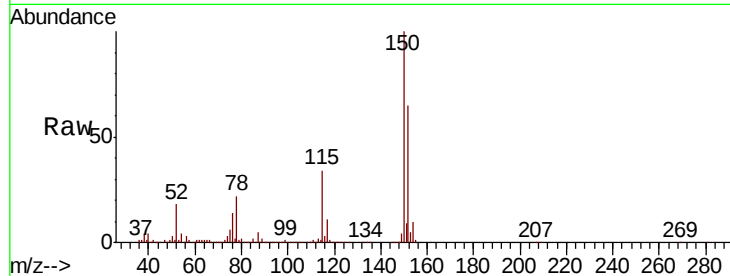


#72

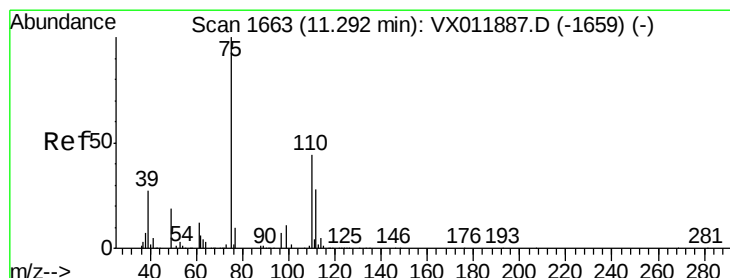
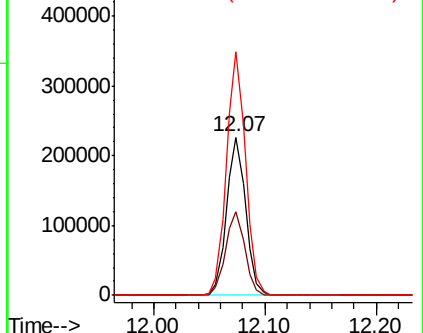
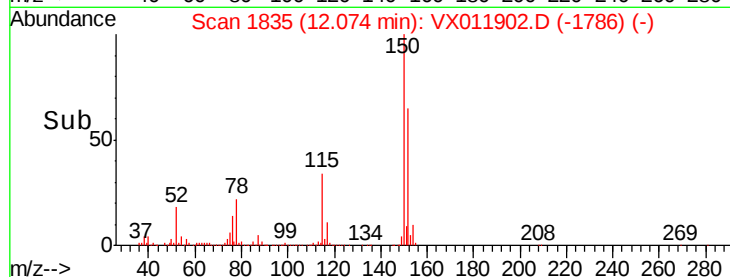
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011902.D
Acq: 30 Aug 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBL01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	37.1	111.3
150	154.4	0.0	339.6



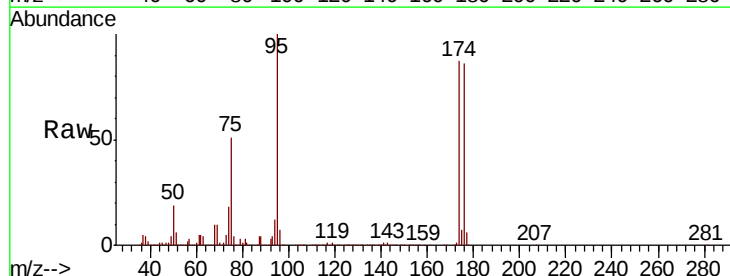
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



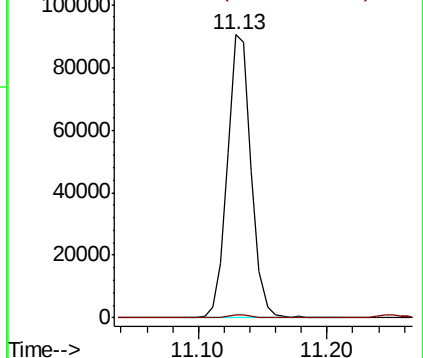
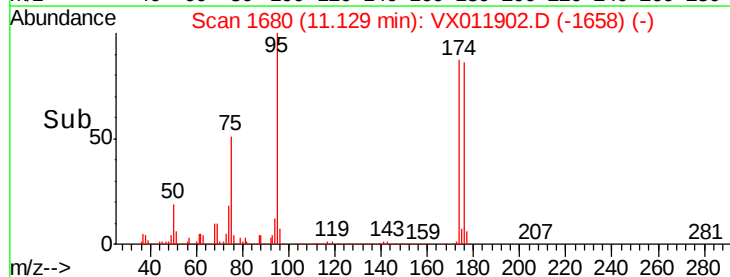
#76

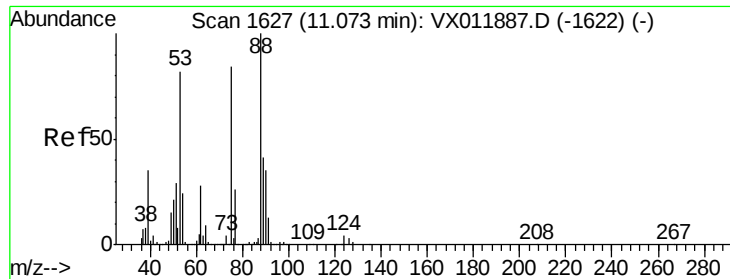
1,2,3-Trichloropropane
Concen: 44.462 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011902.D
Acq: 30 Aug 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 111.696 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBL01

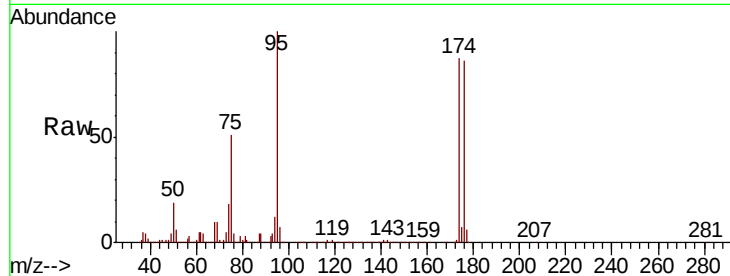
Tgt Ion: 75 Resp: 117060

Ion Ratio Lower Upper

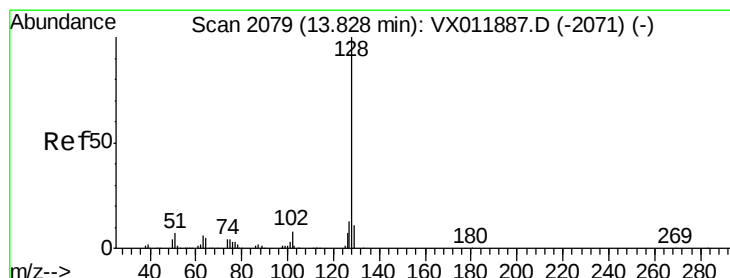
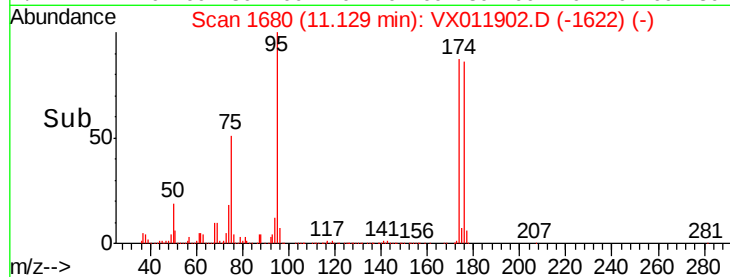
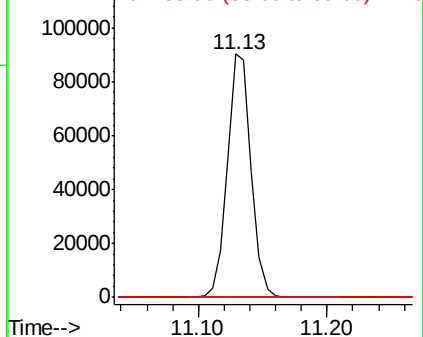
75 100

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



#95

Naphthalene

Concen: 1.026 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011902.D

Acq: 30 Aug 2019 10:55

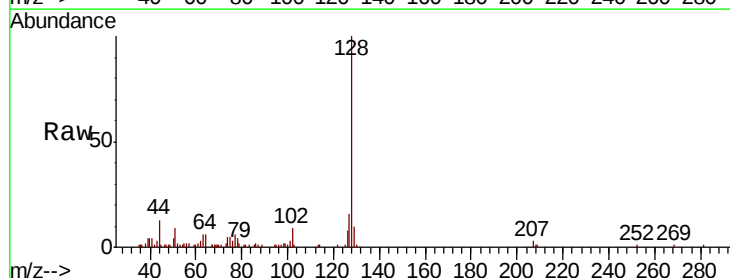
Tgt Ion: 128 Resp: 11427

Ion Ratio Lower Upper

128 100

127 15.3 10.4 15.6

129 10.5 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

