

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082919\
 Data File : VX011891.D
 Acq On : 30 Aug 2019 01:19
 Operator : SY/SP
 Sample : VX0829SBL01
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBL01

Quant Time: Aug 30 02:09:12 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

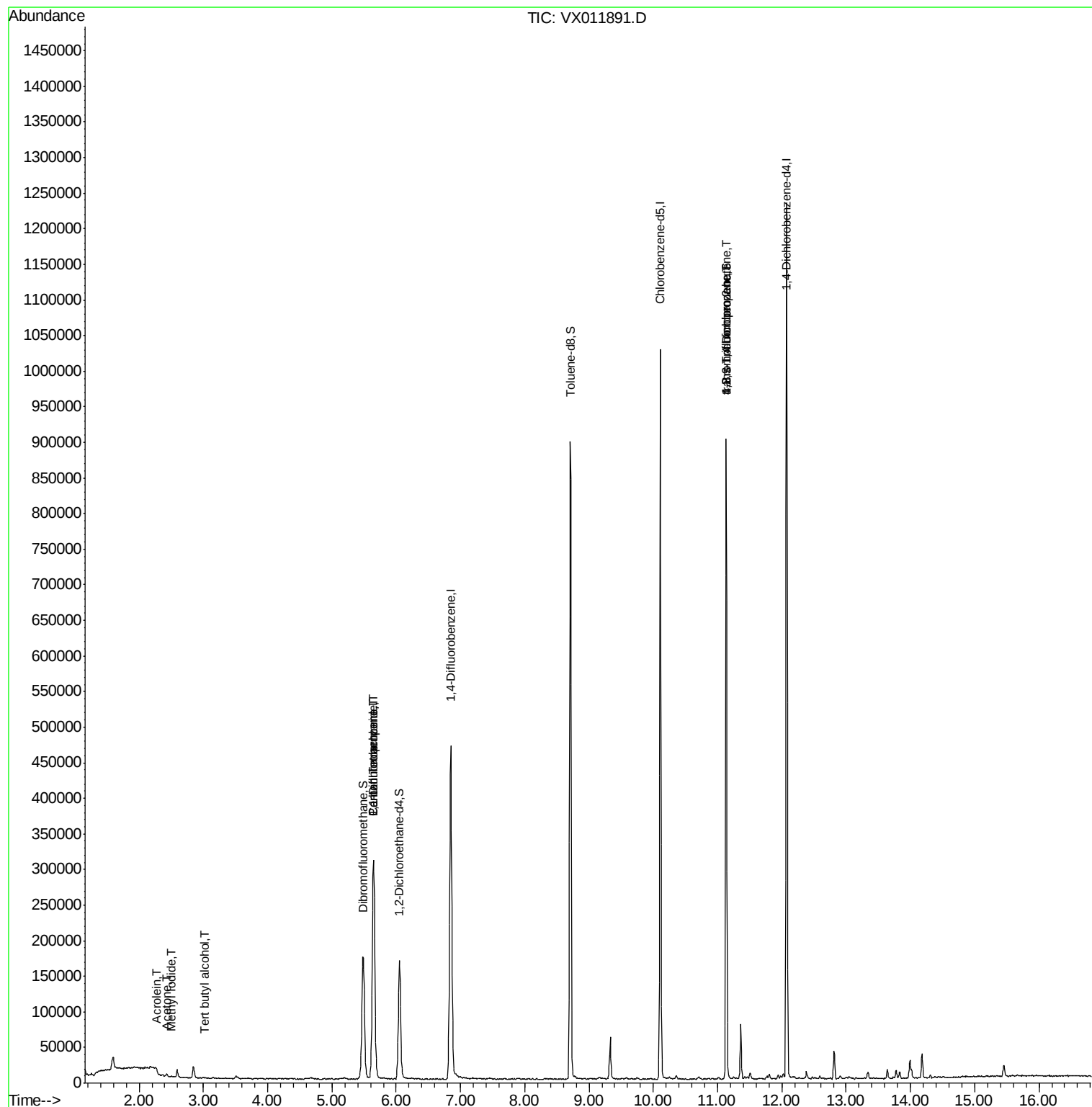
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	482273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	456119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	262272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	159429	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
35) Dibromofluoromethane	5.48	113	143824	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
50) Toluene-d8	8.71	98	528065	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	11.13	95	217279	44.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.62%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.50	142	1356	4.143	ug/l #	83
11) Tert butyl alcohol	3.02	59	1146	3.818	ug/l	95
13) Acrolein	2.28	56	343	2.296	ug/l #	13
16) Acetone	2.43	43	4305	6.413	ug/l	98
20) Methylene Chloride	2.85	84	7785	Below Cal		90
36) 1,1-Dichloropropene	5.65	75	19833	5.191	ug/l #	51
38) Carbon Tetrachloride	5.65	117	27837	6.282	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	107406	41.631	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	107406	104.583	ug/l #	11

(#) = 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 :
VX0829SBL01

Quant Time: Aug 30 02:09:12 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# 737

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

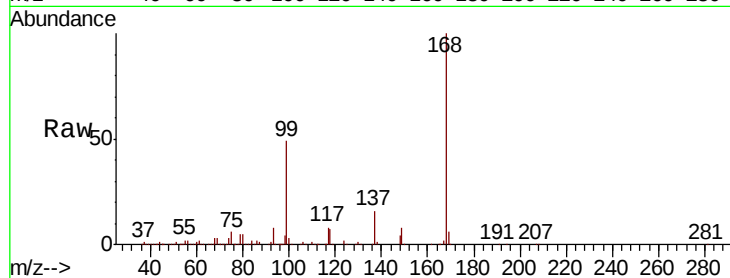
VX0829SBL01

Tgt Ion:168 Resp: 325635

Ion Ratio Lower Upper

168 100

99 49.4 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

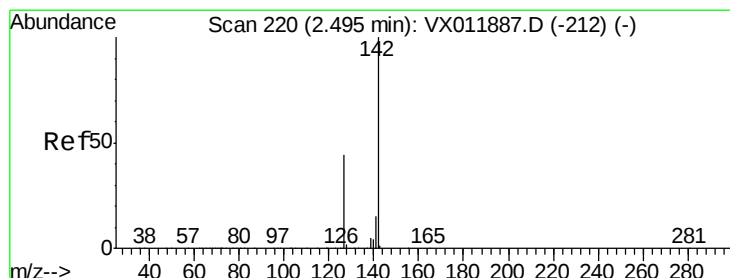
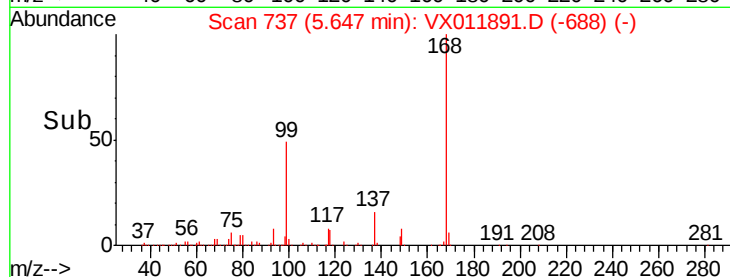
5.65

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 4.143 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

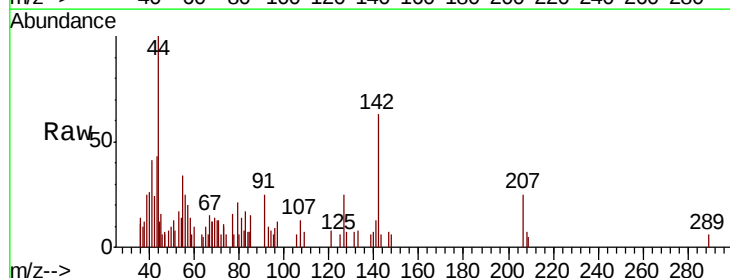
Tgt Ion:142 Resp: 1356

Ion Ratio Lower Upper

142 100

127 55.5 35.7 53.5#

141 21.9 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

800

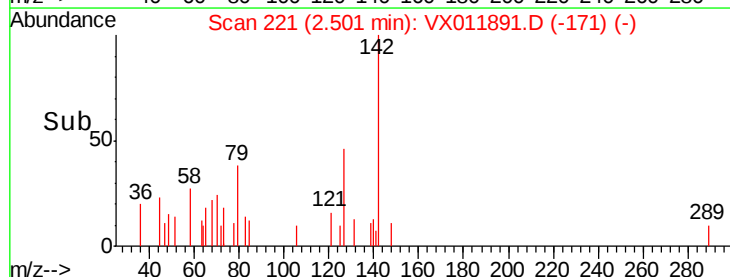
600

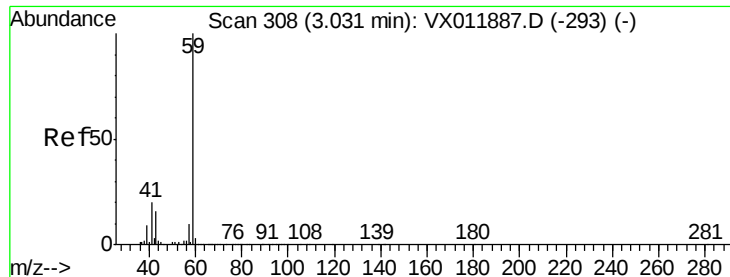
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 3.818 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

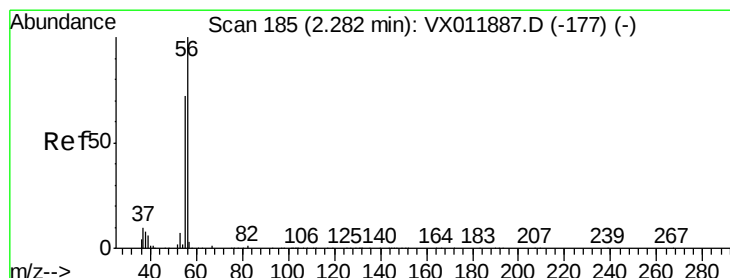
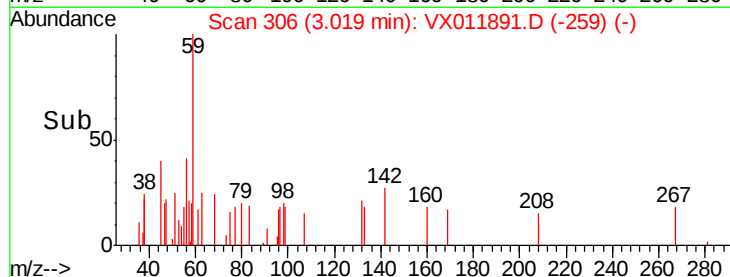
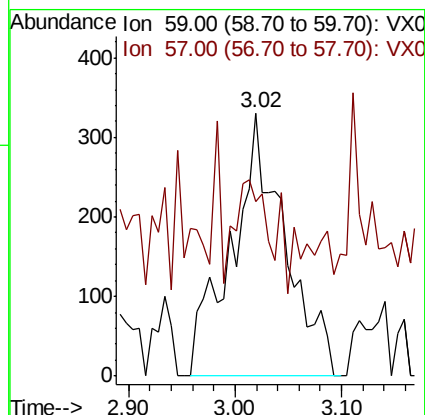
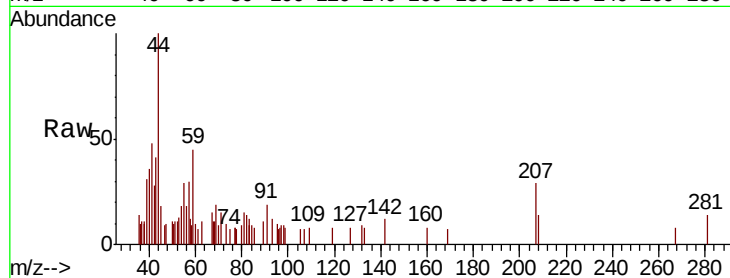
VX0829SBL01

Tgt Ion: 59 Resp: 1146

Ion Ratio Lower Upper

59 100

57 12.6 8.6 12.8



#13

Acrolein

Concen: 2.296 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011891.D

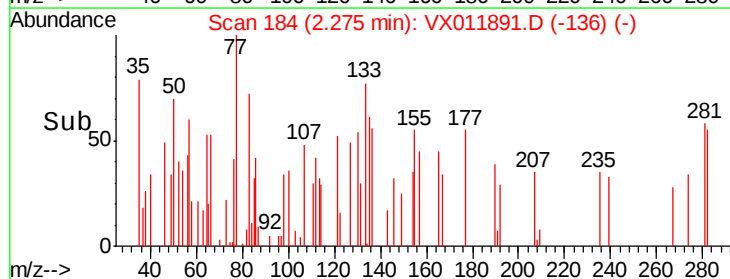
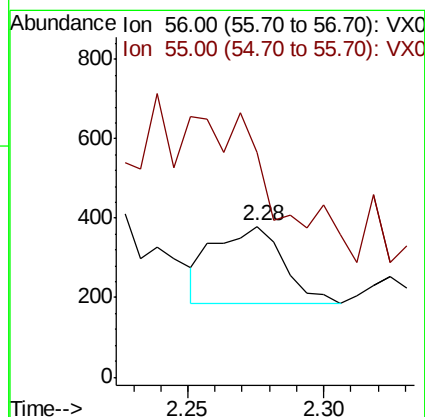
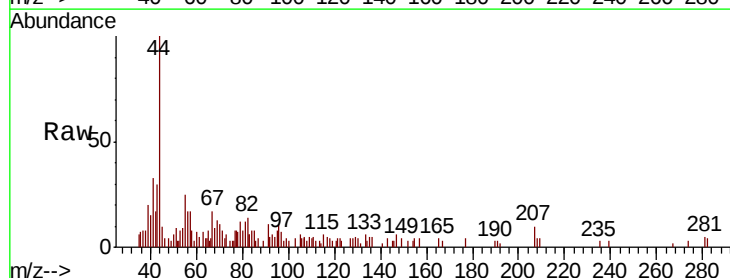
Acq: 30 Aug 2019 01:19

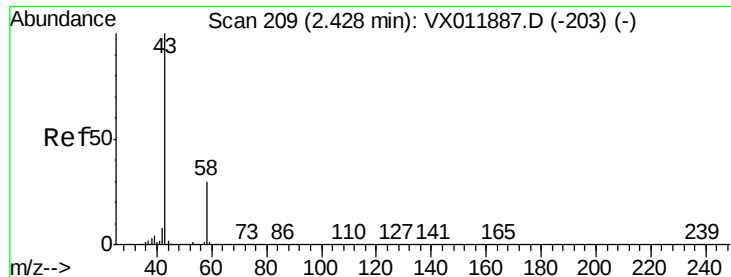
Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

56 100

55 0.0 58.6 88.0#





#16

Acetone

Concen: 6.413 ug/l

RT: 2.43 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

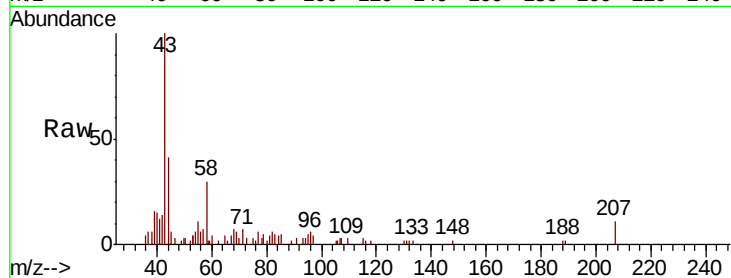
VX0829SBL01

Tgt Ion: 43 Resp: 4305

Ion Ratio Lower Upper

43 100

58 28.7 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

3000

2500

2000

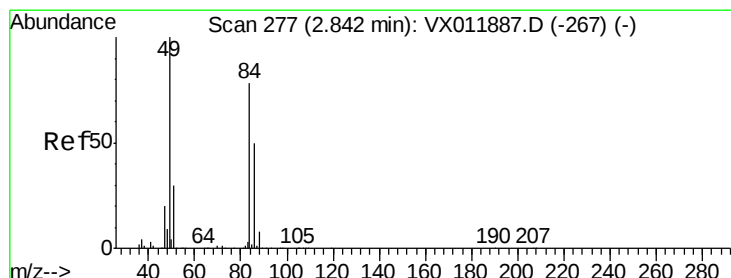
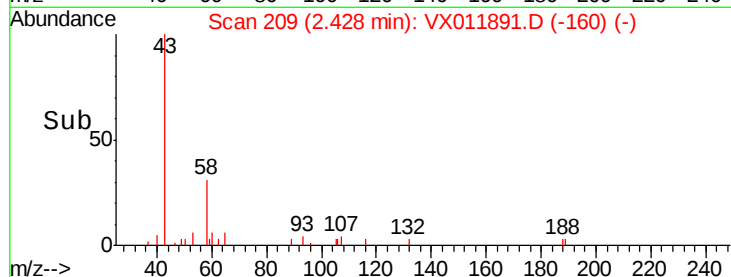
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. 0.01 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Tgt Ion: 84 Resp: 7785

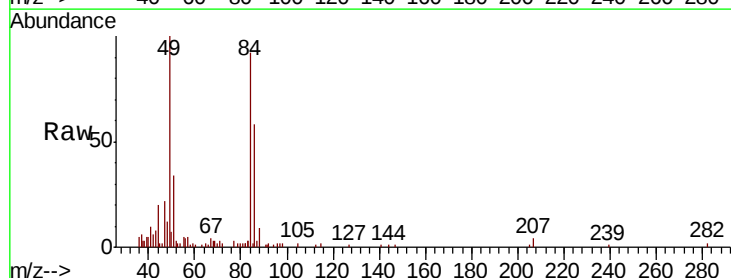
Ion Ratio Lower Upper

84 100

49 108.3 103.0 154.4

51 36.8 30.8 46.2

86 63.5 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

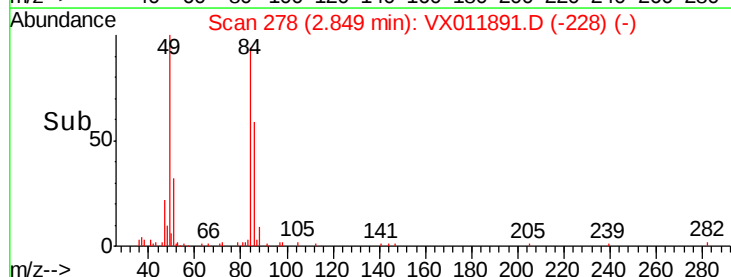
6000

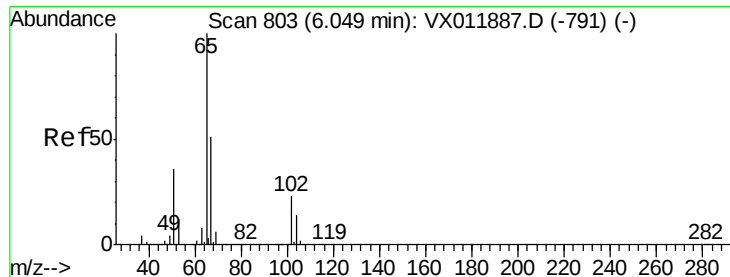
4000

2000

0

Time--> 2.75 2.80 2.85 2.90 2.95





#33

1,2-Dichloroethane-d4

Concen: 51.101 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

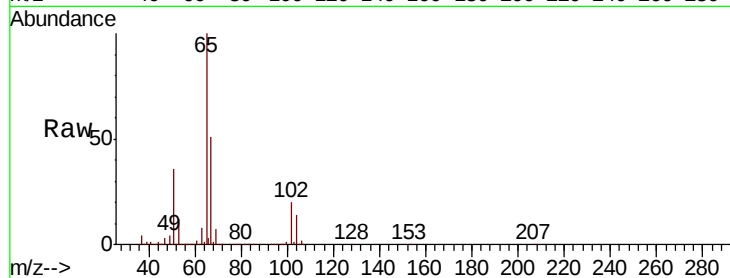
VX0829SBL01

Tgt Ion: 65 Resp: 159429

Ion Ratio Lower Upper

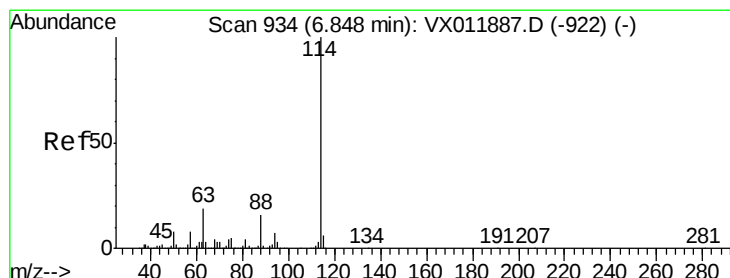
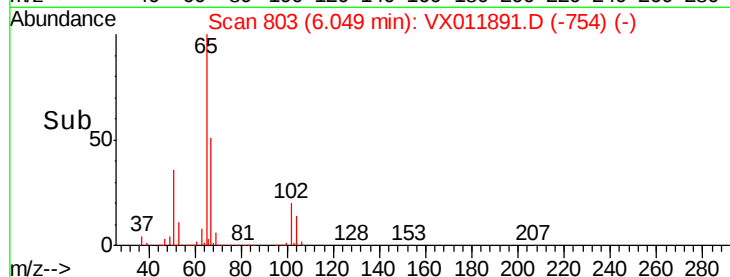
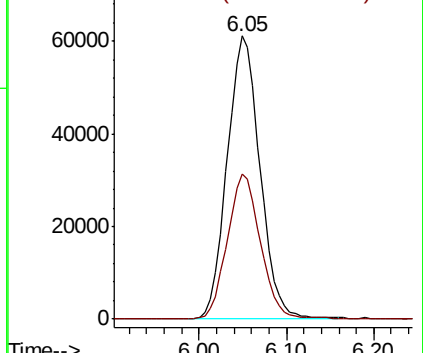
65 100

67 51.0 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

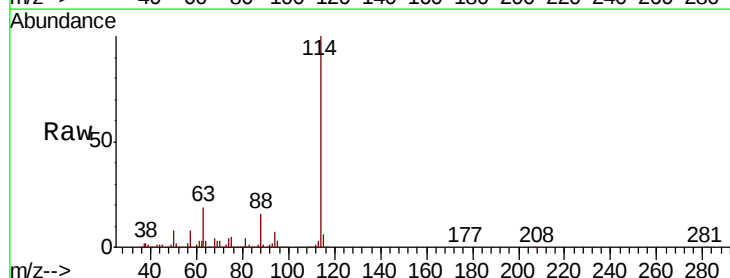
Tgt Ion: 114 Resp: 482273

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

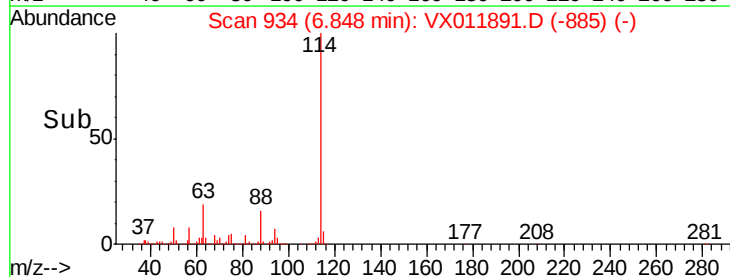
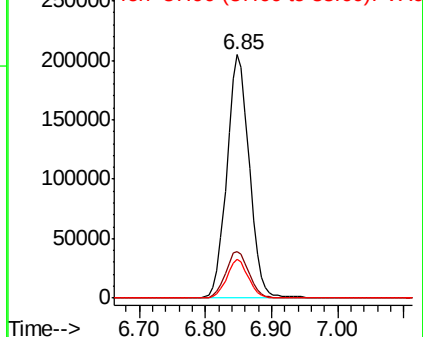
88 15.9 0.0 31.2

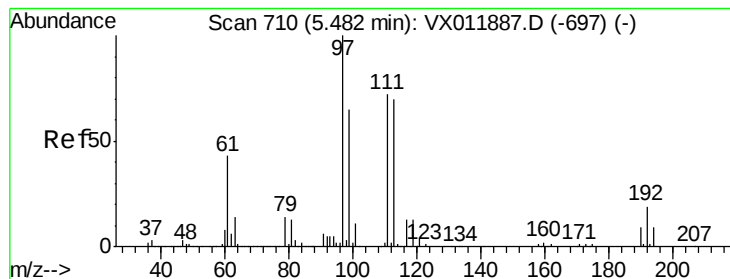


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.507 ug/l

RT: 5.48 min Scan# 710

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBL01

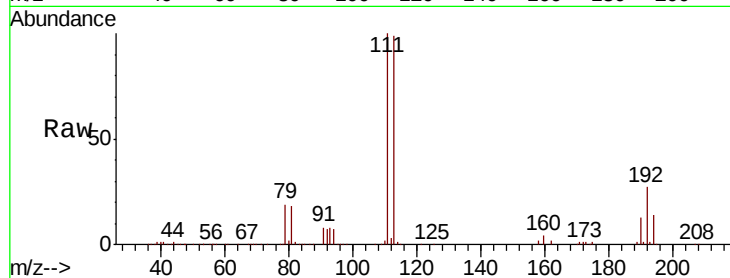
Tgt Ion: 113 Resp: 143824

Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

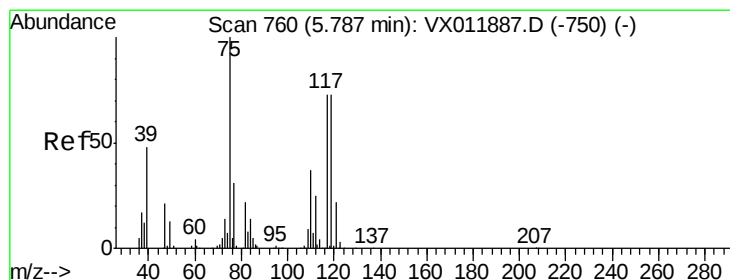
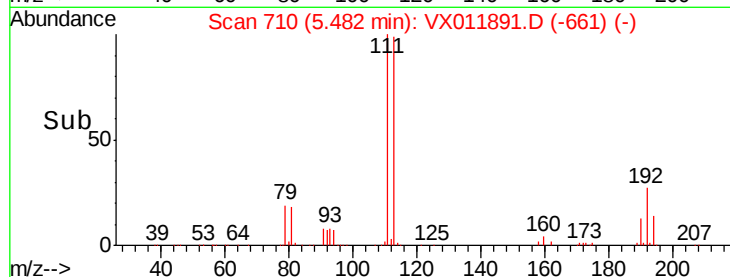
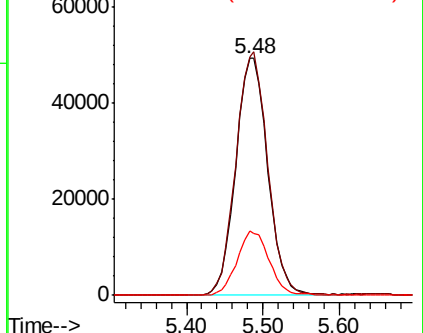
192 27.0 21.5 32.3



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: 5.191 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.14 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

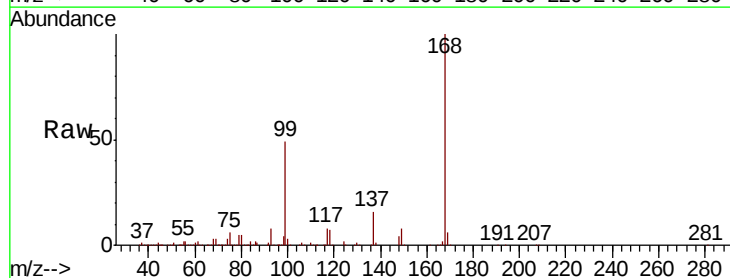
Tgt Ion: 75 Resp: 19833

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

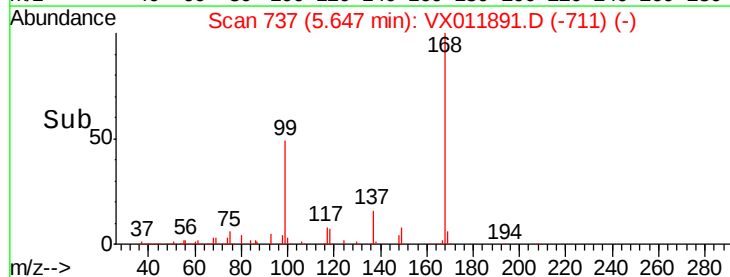
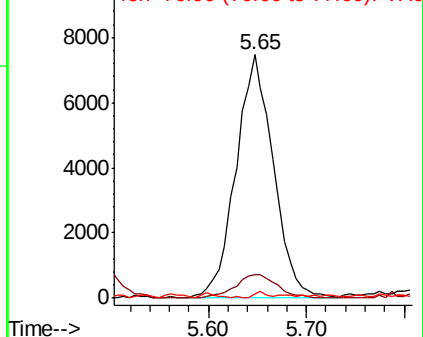
77 0.9 24.4 36.6#

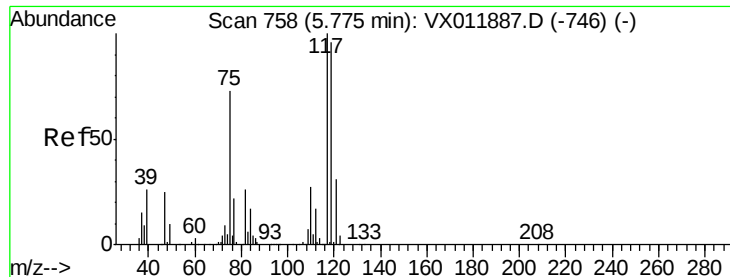


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.282 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBL01

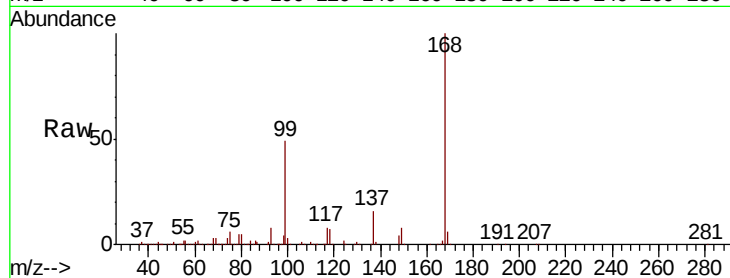
Tgt Ion: 117 Resp: 27837

Ion Ratio Lower Upper

117 100

119 5.4 76.6 114.8#

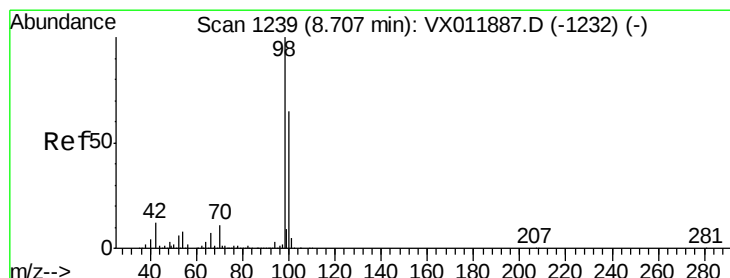
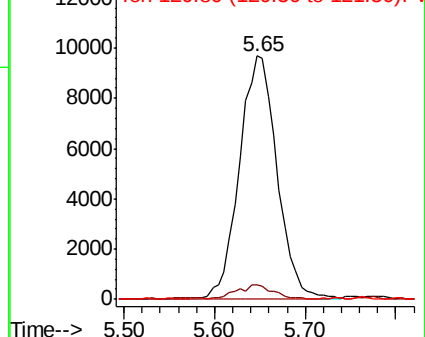
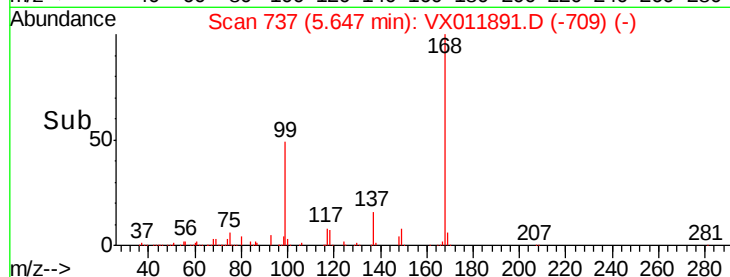
121 0.0 24.7 37.1#



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: 47.768 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VX011891.D

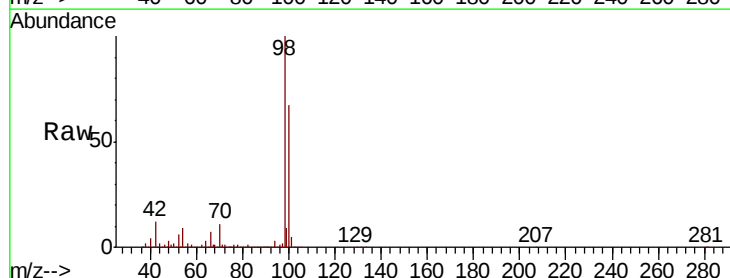
Acq: 30 Aug 2019 01:19

Tgt Ion: 98 Resp: 528065

Ion Ratio Lower Upper

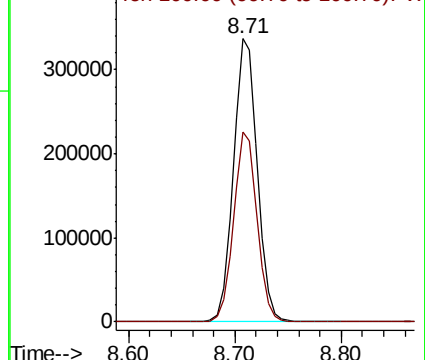
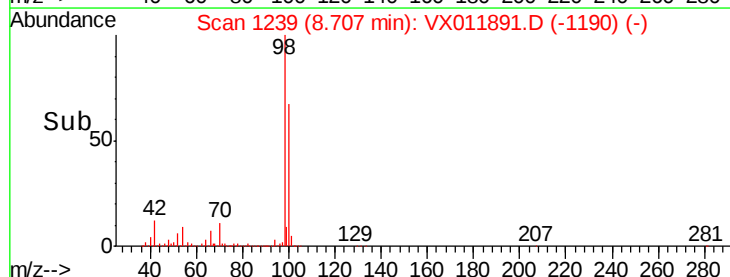
98 100

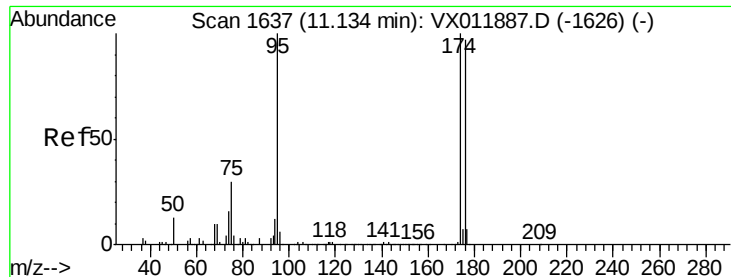
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.806 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBL01

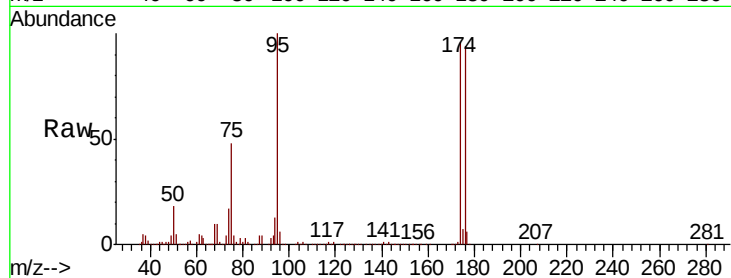
Tgt Ion: 95 Resp: 217279

Ion Ratio Lower Upper

95 100

174 98.0 0.0 196.0

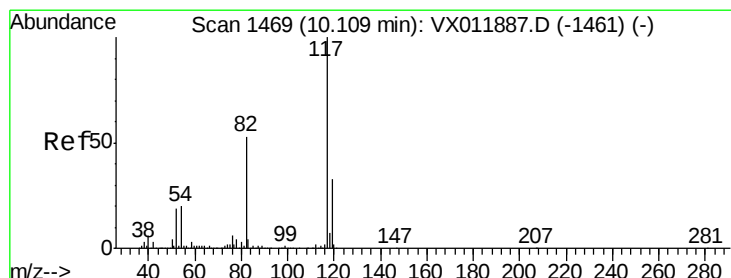
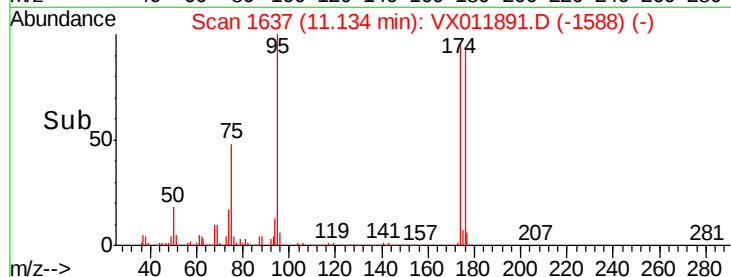
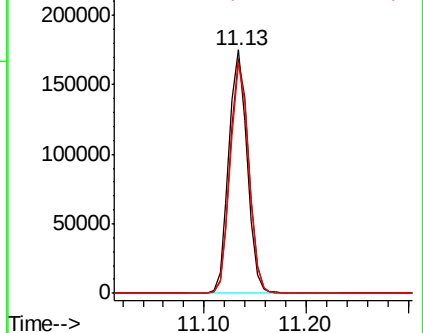
176 94.6 0.0 191.4



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# 1469

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

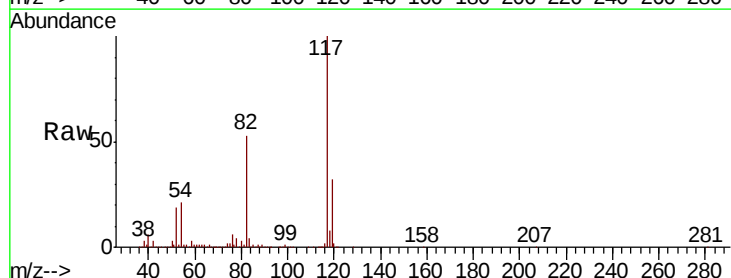
Tgt Ion: 117 Resp: 456119

Ion Ratio Lower Upper

117 100

82 53.0 42.0 63.0

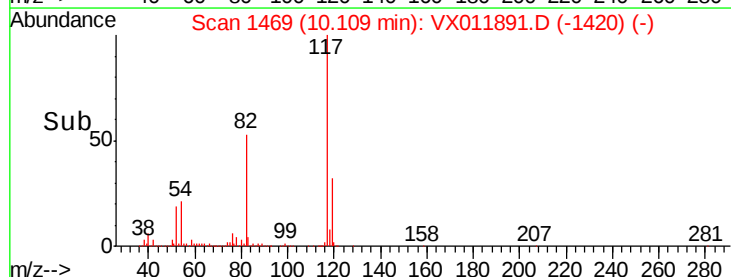
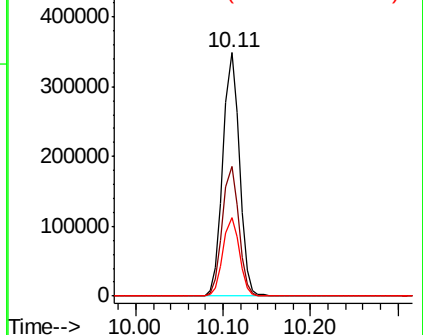
119 32.4 26.2 39.4

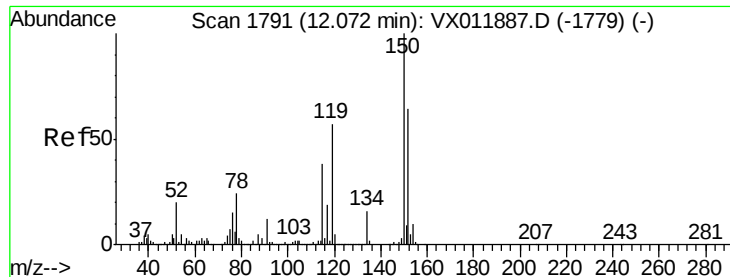


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1791

Delta R.T. 0.00 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBL01

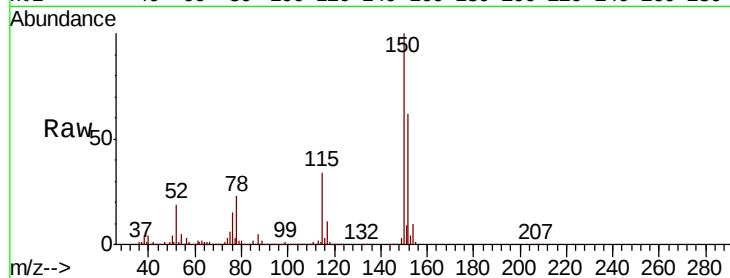
Tgt Ion: 152 Resp: 262272

Ion Ratio Lower Upper

152 100

115 53.4 37.1 111.3

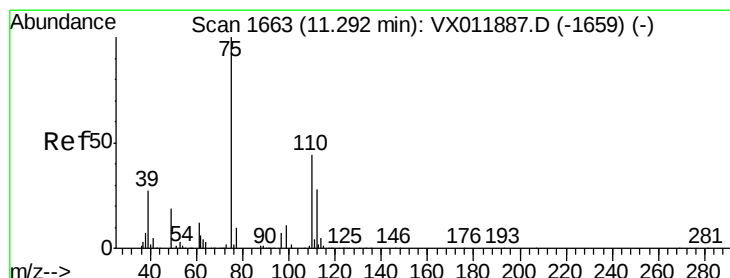
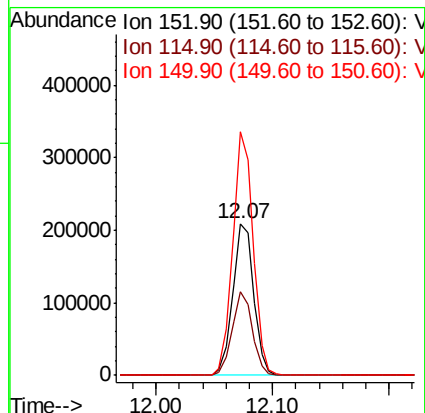
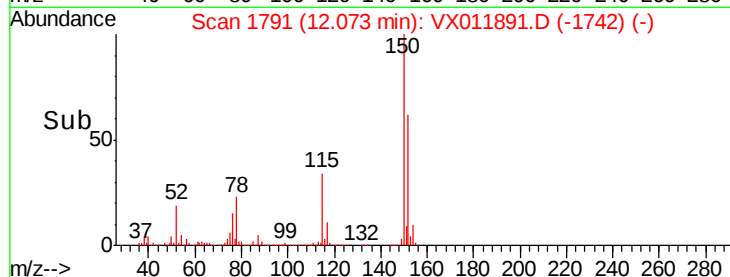
150 155.6 0.0 339.6



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: 41.631 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011891.D

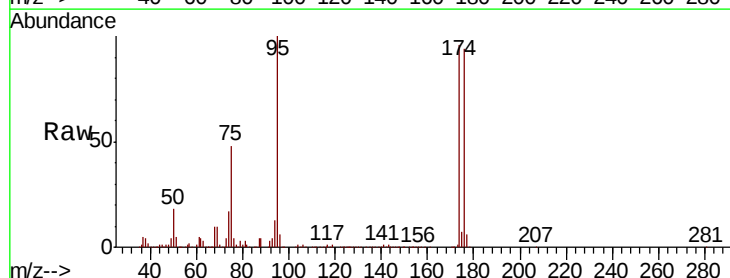
Acq: 30 Aug 2019 01:19

Tgt Ion: 75 Resp: 107406

Ion Ratio Lower Upper

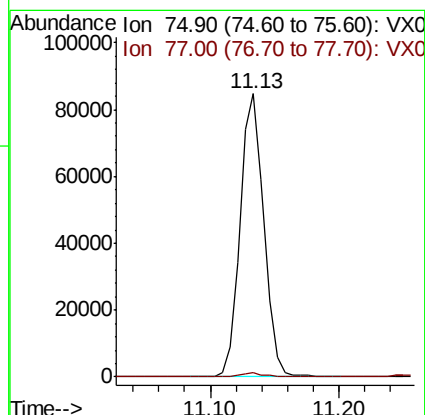
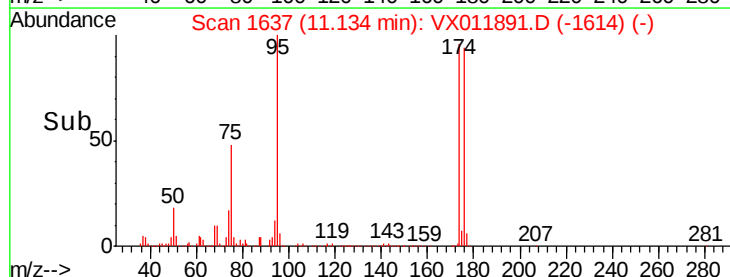
75 100

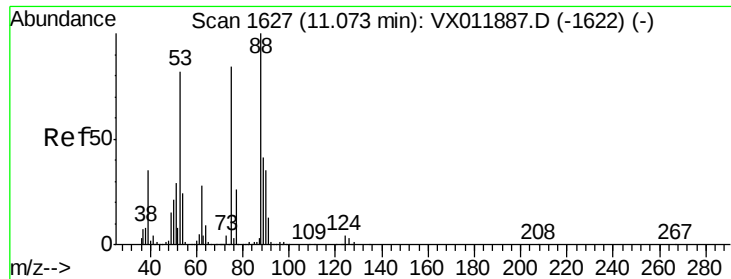
77 1.2 20.9 62.7#



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: 104.583 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011891.D

Acq: 30 Aug 2019 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBL01

Tgt Ion: 75 Resp: 107406

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.0 38.2 57.2#

