

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011399.D
 Acq On : 09 Aug 2019 10:18
 Operator : JC/SP
 Sample : VX0809MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809MBL01

Quant Time: Aug 10 23:56:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	141049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	230124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	84545	59.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.04%	
35) Dibromofluoromethane	5.49	113	76653	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	8.71	98	280890	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	91328	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

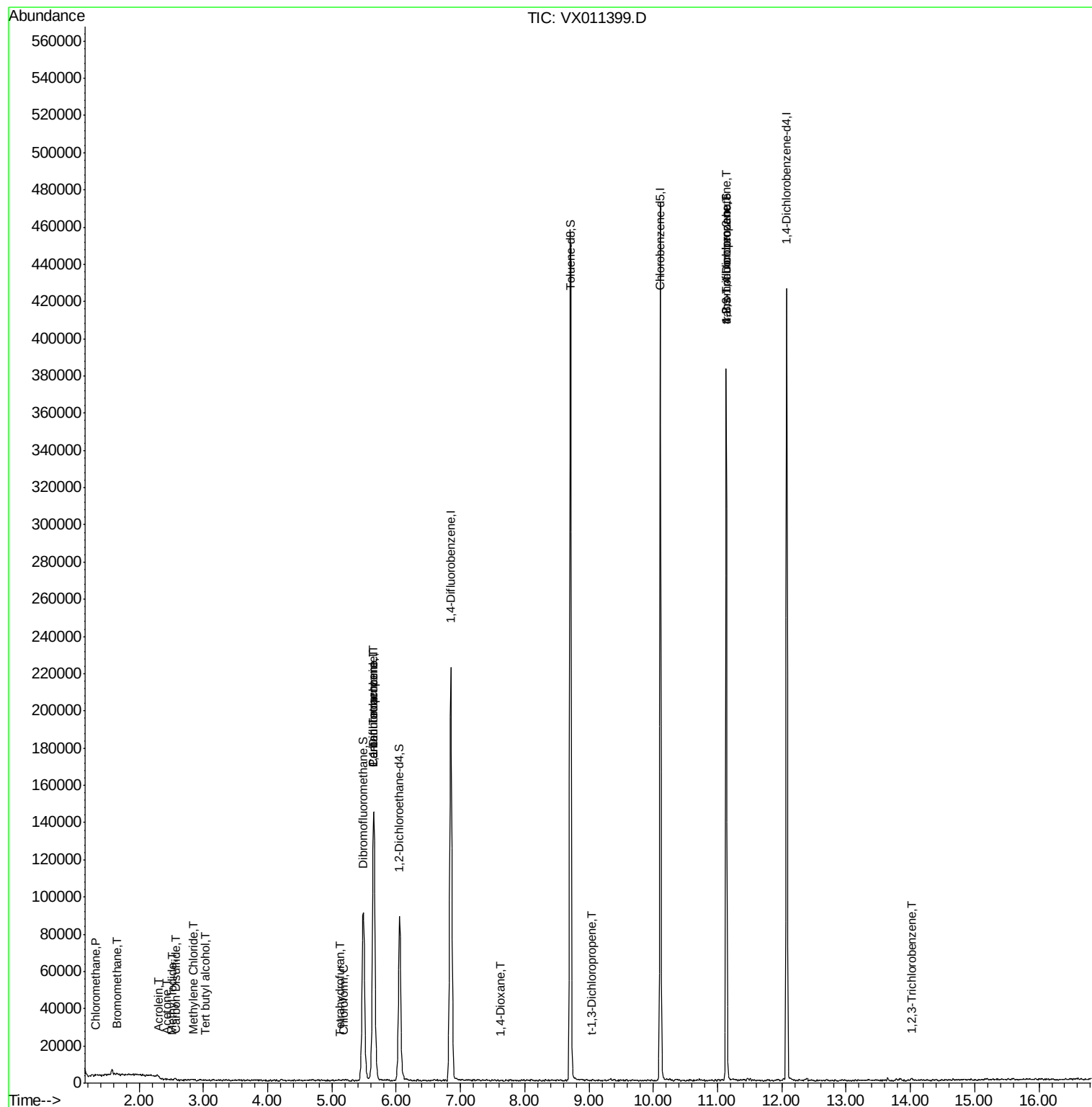
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	423	0.346	ug/l	89
5) Bromomethane	1.65	94	557	0.580	ug/l	93
6) Chloroethane	1.72	64	50	Below Cal	#	68
10) Methyl Iodide	2.52	142	484	0.297	ug/l #	76
11) Tert butyl alcohol	3.03	59	117	0.436	ug/l #	72
13) Acrolein	2.29	56	192	0.670	ug/l #	53
16) Acetone	2.43	43	241	0.356	ug/l #	57
17) Carbon Disulfide	2.57	76	855	0.284	ug/l #	91
20) Methylene Chloride	2.85	84	337	0.228	ug/l #	64
29) Tetrahydrofuran	5.13	42	209	0.354	ug/l #	29
30) Chloroform	5.18	83	530	0.220	ug/l #	65
36) 1,1-Dichloropropene	5.65	75	9600	4.778	ug/l #	49
38) Carbon Tetrachloride	5.65	117	13070	6.466	ug/l #	14
49) 1,4-Dioxane	7.61	88	19	0.432	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	51	2.860	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	45938	27.427	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	45938	71.134	ug/l #	10
96) 1,2,3-Trichlorobenzene	14.02	180	429	0.205	ug/l	82

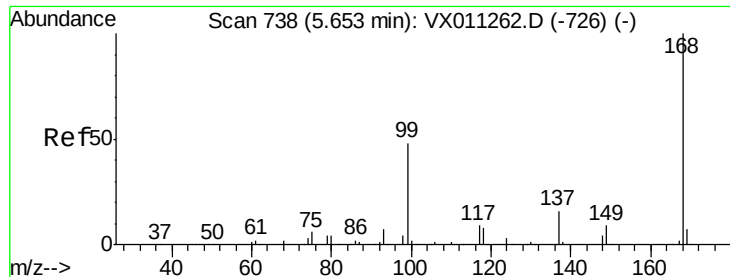
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

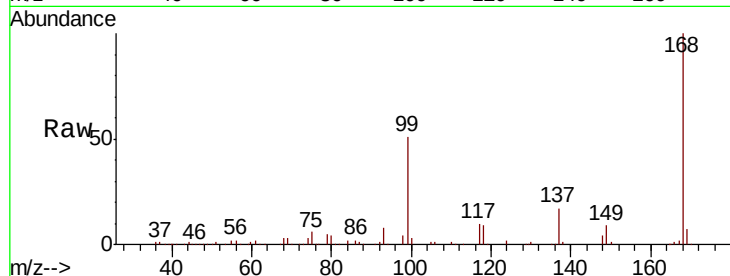
VX0809MBL01

Tgt Ion:168 Resp: 141049

Ion Ratio Lower Upper

168 100

99 50.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

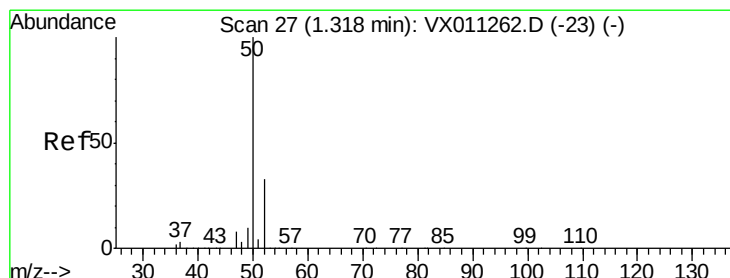
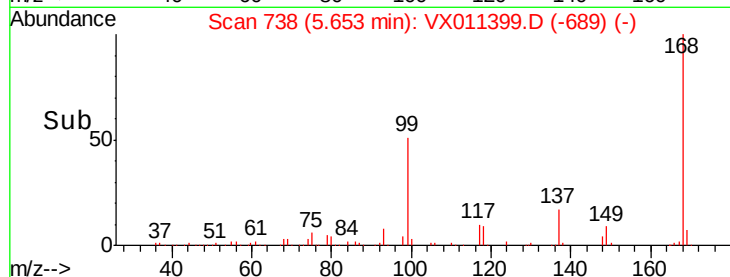
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.346 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011399.D

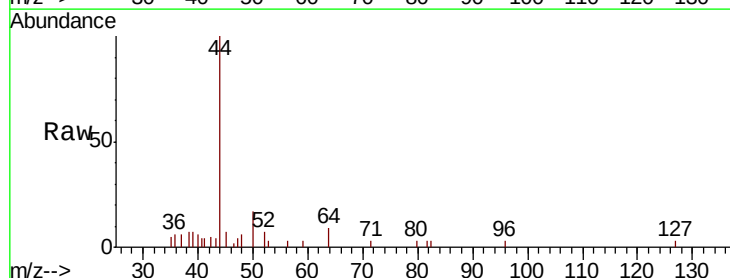
Acq: 09 Aug 2019 10:18

Tgt Ion: 50 Resp: 423

Ion Ratio Lower Upper

50 100

52 39.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

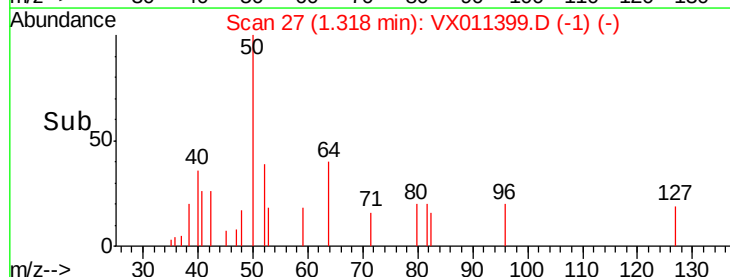
200

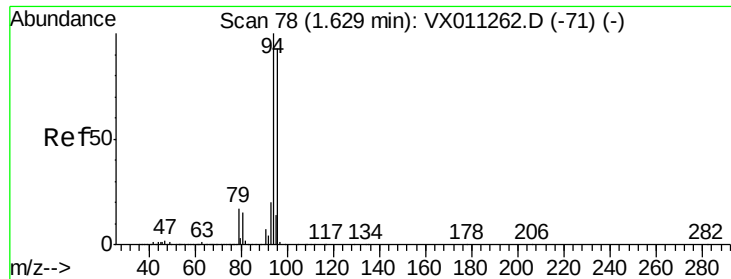
100

0

Time-->

1.30 1.32 1.34





#5

Bromomethane

Concen: 0.580 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

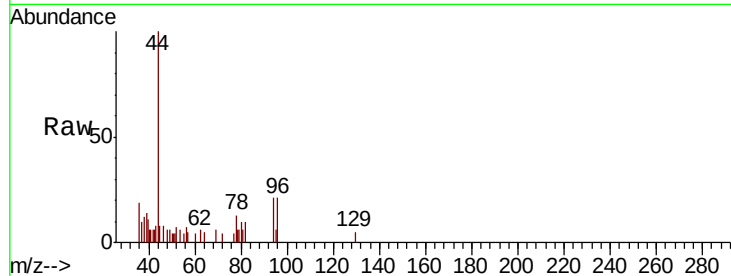
VX0809MBL01

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

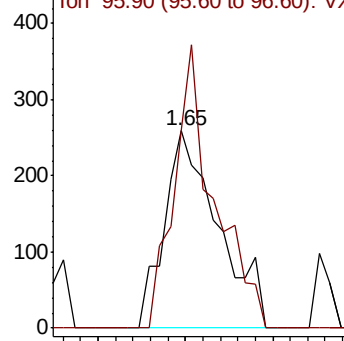
94 100

96 100.0 74.6 112.0

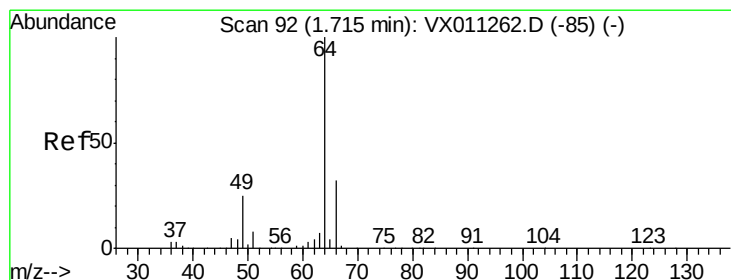
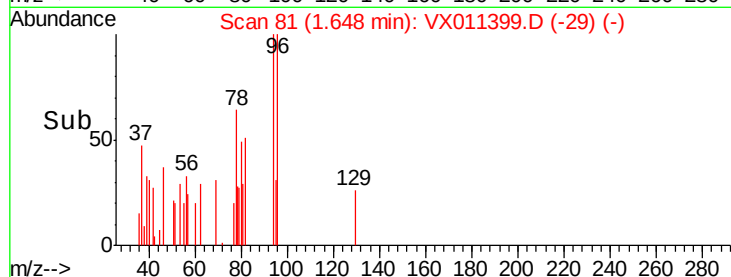


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011399.D

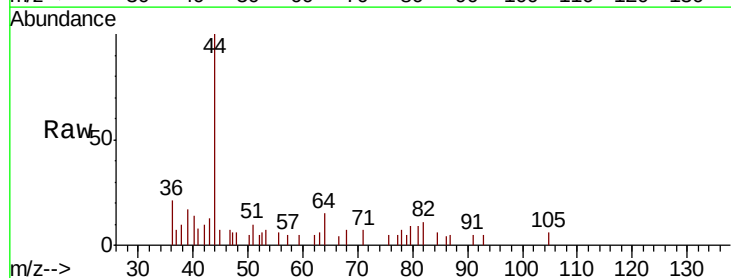
Acq: 09 Aug 2019 10:18

Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

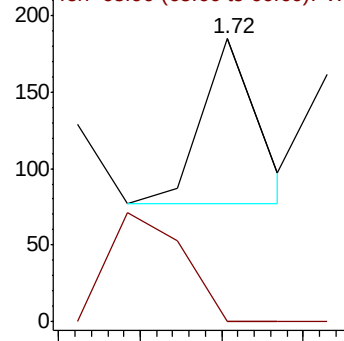
64 100

66 49.1 25.1 37.7#

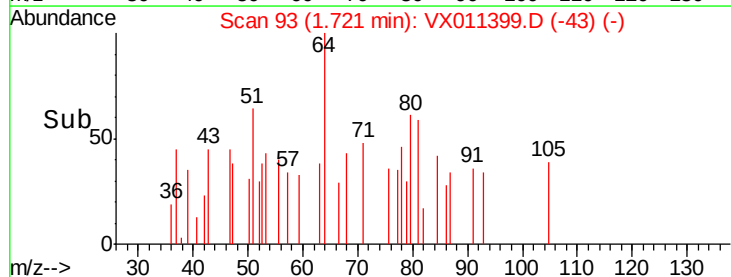


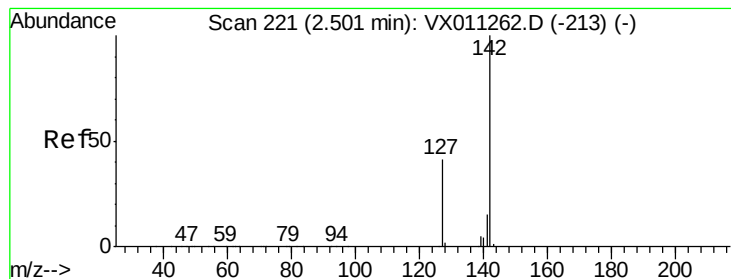
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#10

Methyl Iodide

Concen: 0.297 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.02 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VX0809MBL01

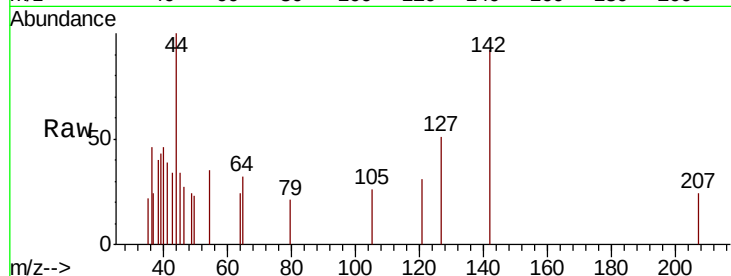
Tgt Ion: 142 Resp: 484

Ion Ratio Lower Upper

142 100

127 55.4 33.8 50.8#

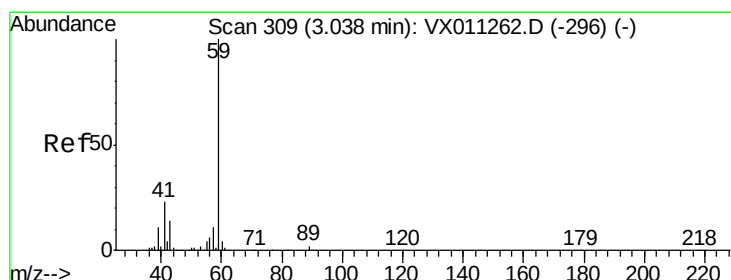
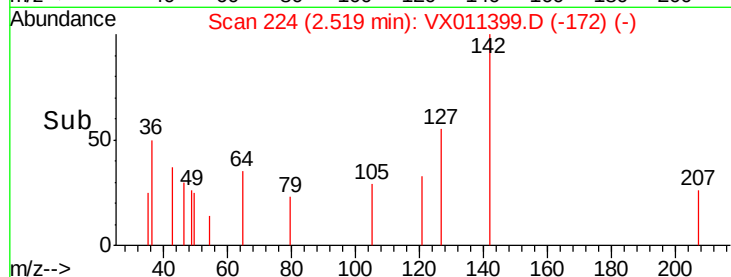
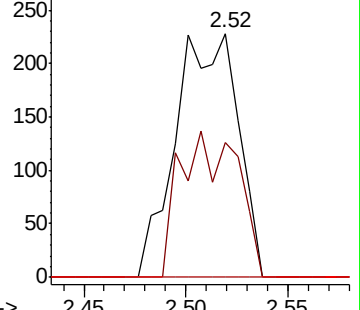
141 0.0 11.4 17.2#



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



#11

Tert butyl alcohol

Concen: 0.436 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX011399.D

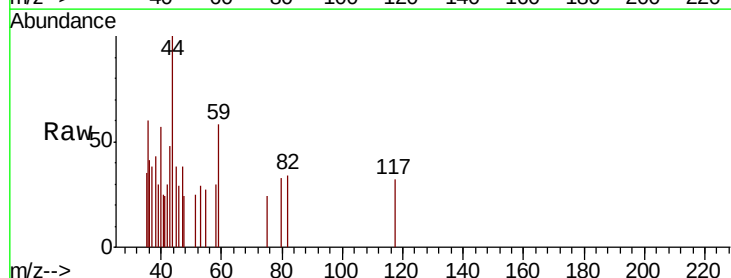
Acq: 09 Aug 2019 10:18

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

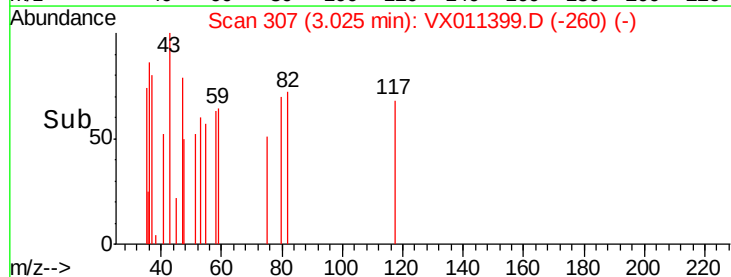
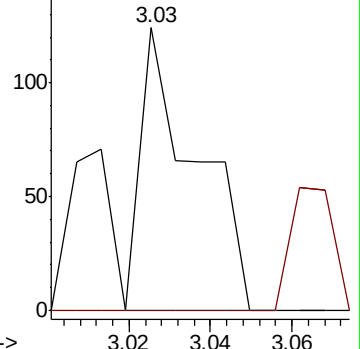
59 100

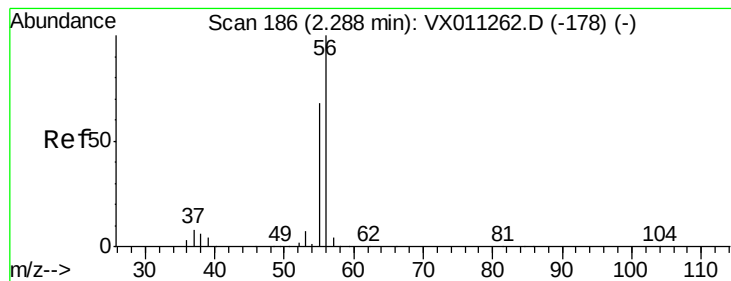
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.670 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

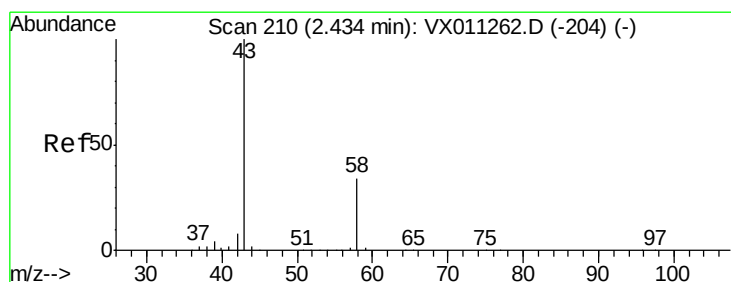
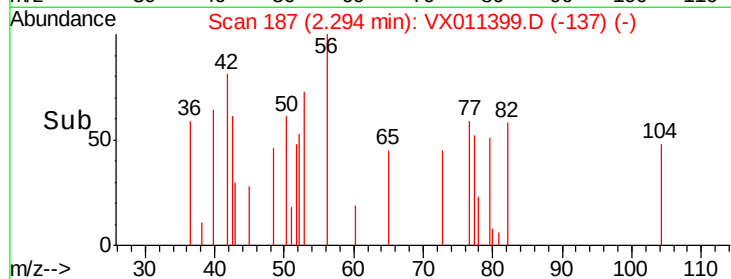
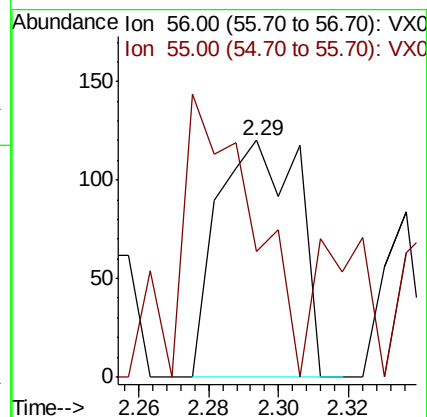
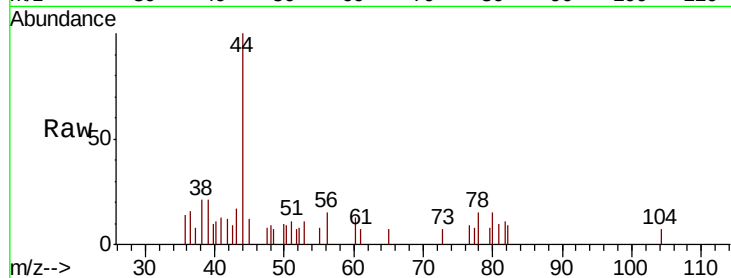
VX0809MBL01

Tgt Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 108.3 56.0 84.0#



#16

Acetone

Concen: 0.356 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011399.D

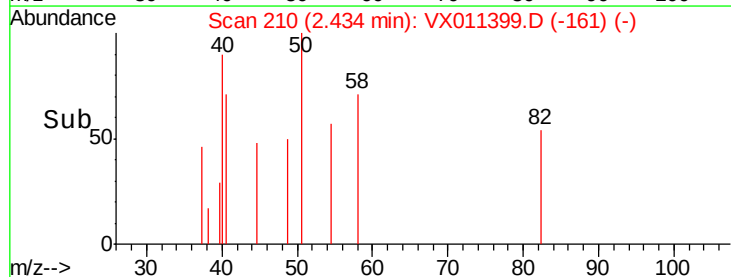
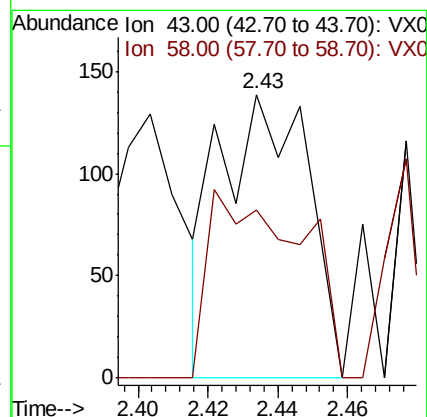
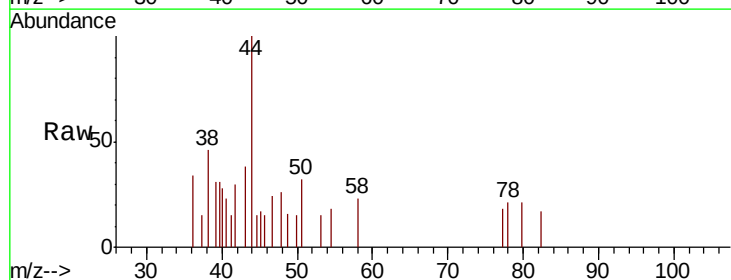
Acq: 09 Aug 2019 10:18

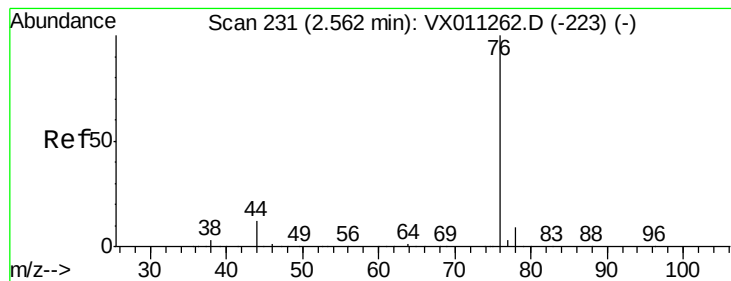
Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

58 59.0 27.4 41.0#





#17

Carbon Disulfide

Concen: 0.284 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

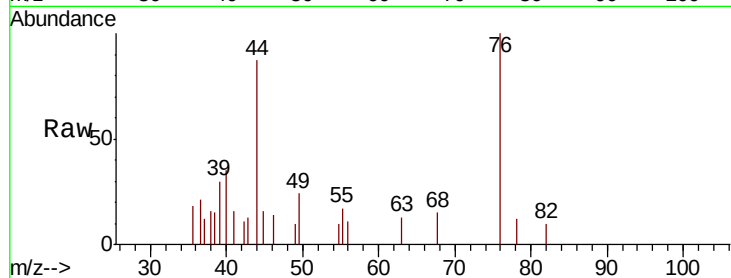
VX0809MBL01

Tgt Ion: 76 Resp: 855

Ion Ratio Lower Upper

76 100

78 12.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

500

400

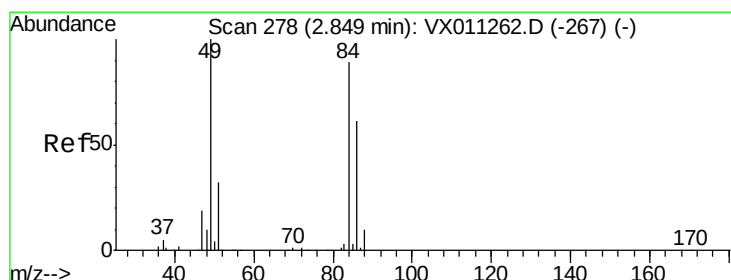
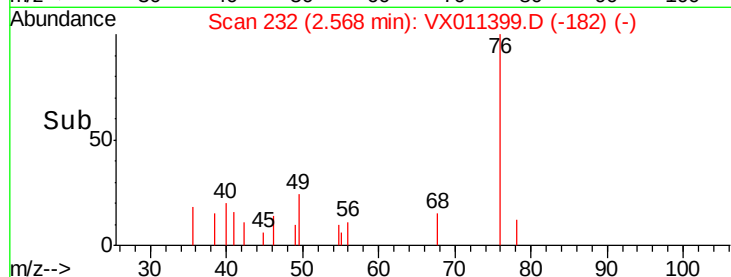
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.228 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.00 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Tgt Ion: 84 Resp: 337

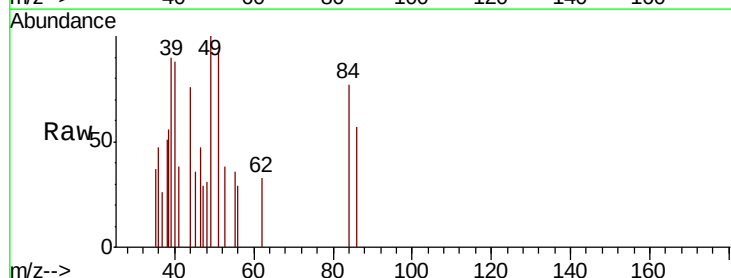
Ion Ratio Lower Upper

84 100

49 91.4 89.3 133.9

51 121.1 28.3 42.5#

86 74.3 54.5 81.7



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

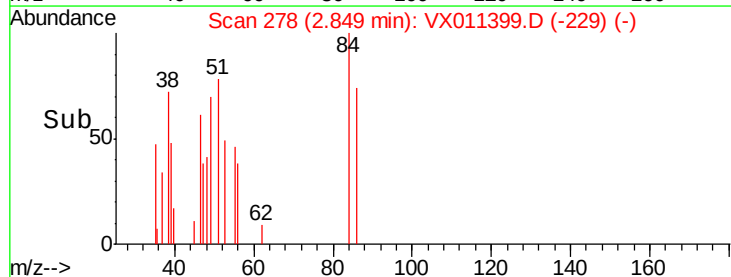
300

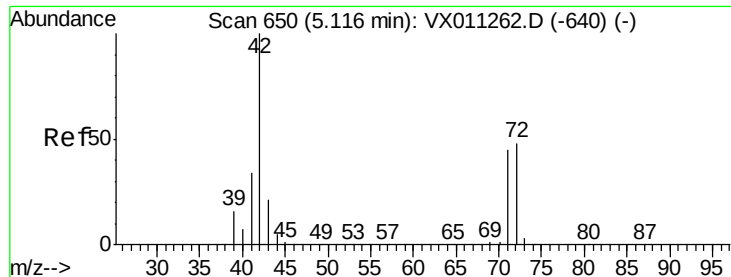
200

100

0

Time-->





#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VX0809MBL01

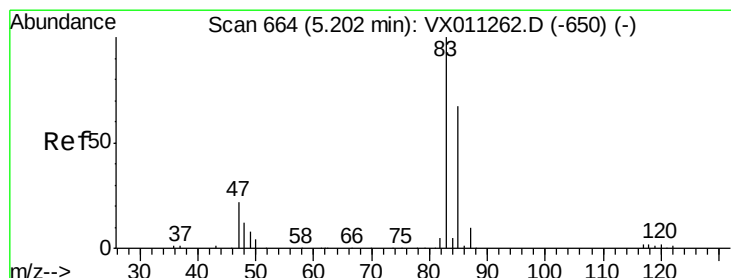
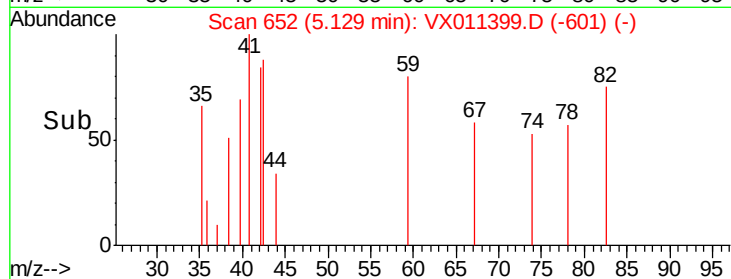
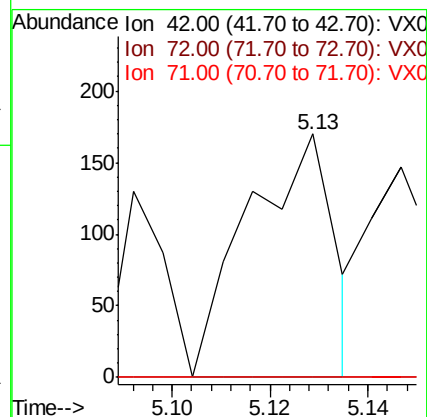
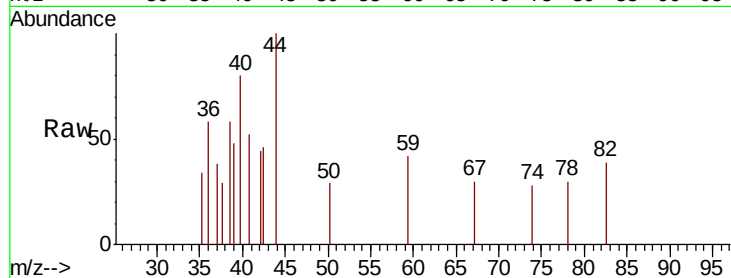
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

71 0.0 36.9 55.3#



#30

Chloroform

Concen: 0.220 ug/l

RT: 5.18 min Scan# 661

Delta R.T. -0.02 min

Lab File: VX011399.D

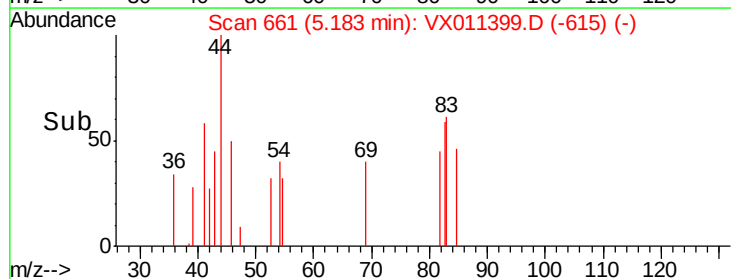
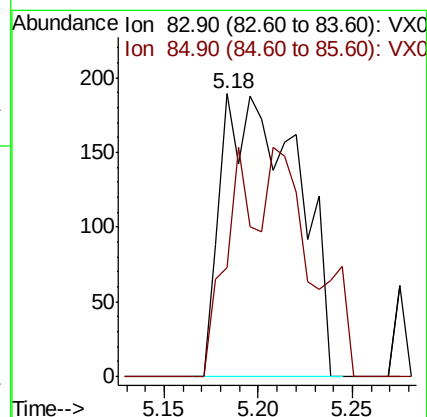
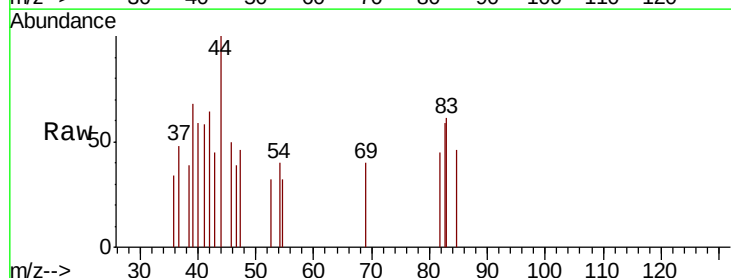
Acq: 09 Aug 2019 10:18

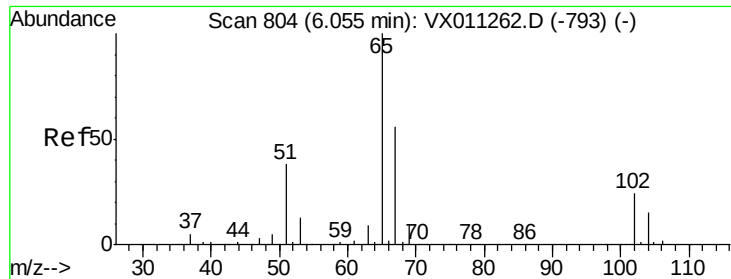
Tgt Ion: 83 Resp: 530

Ion Ratio Lower Upper

83 100

85 38.6 53.4 80.0#

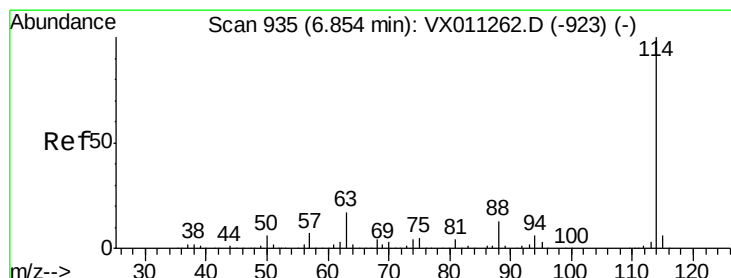
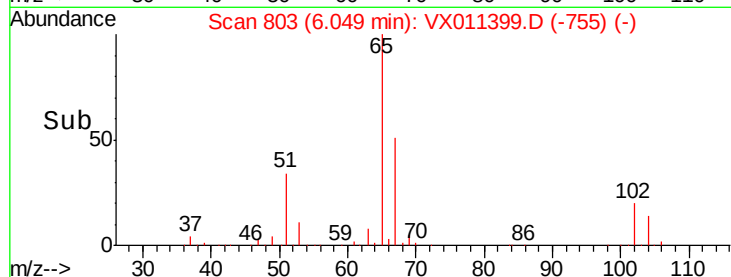
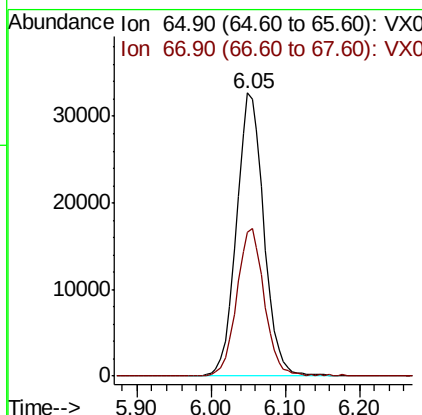
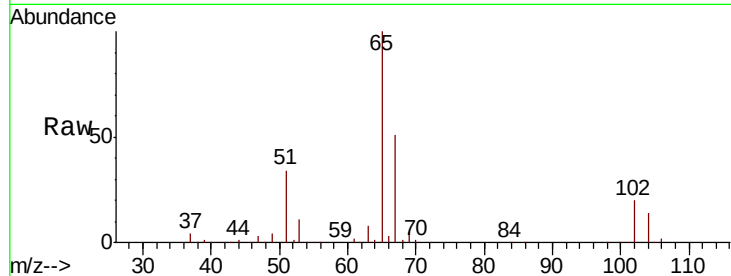




#33
 1,2-Dichloroethane-d4
 Concen: 59.520 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011399.D
 Acq: 09 Aug 2019 10:18

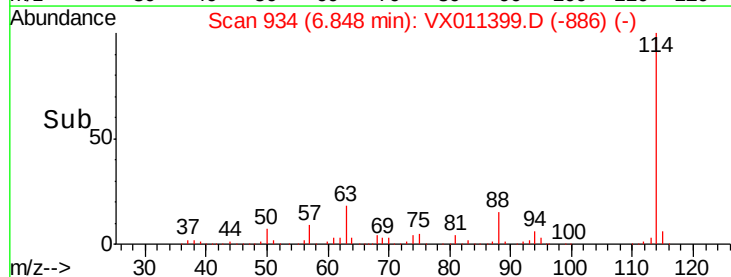
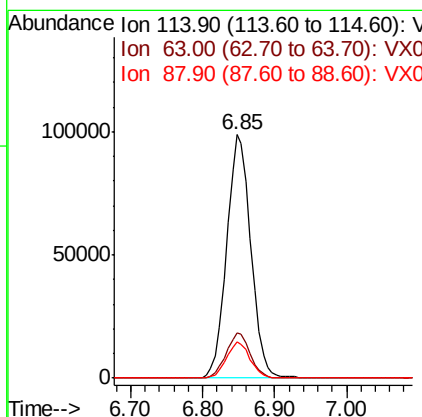
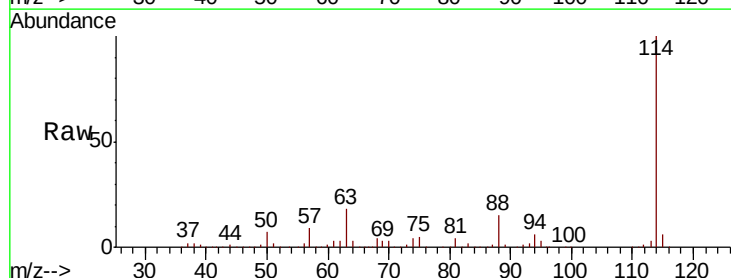
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809MBL01

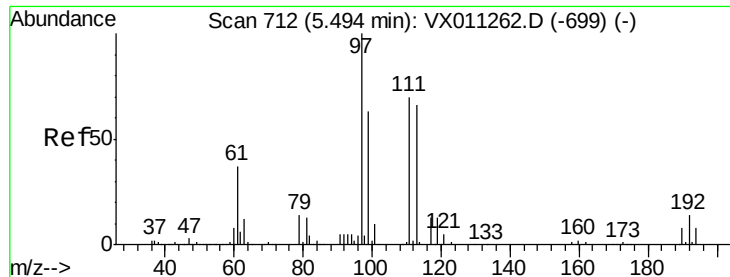
Tgt Ion: 65 Resp: 84545
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011399.D
 Acq: 09 Aug 2019 10:18

Tgt Ion: 114 Resp: 230124
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.0
 88 15.1 0.0 26.4





#35

Dibromofluoromethane

Concen: 51.019 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VX0809MBL01

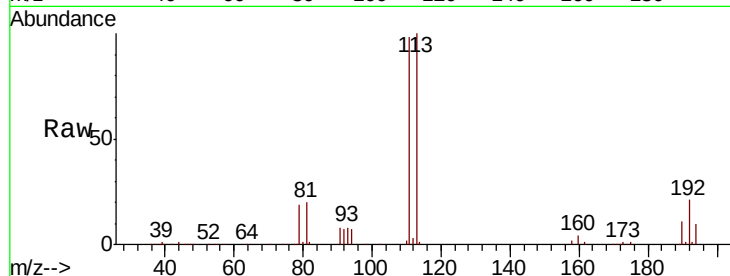
Tgt Ion:113 Resp: 76653

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

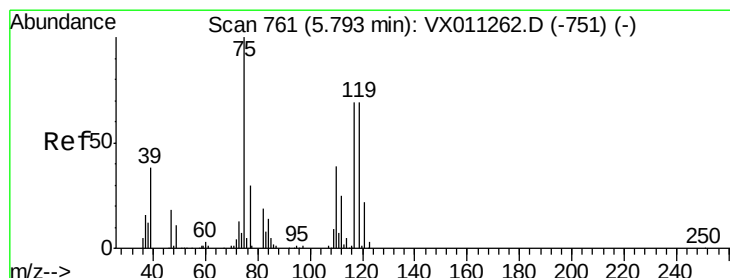
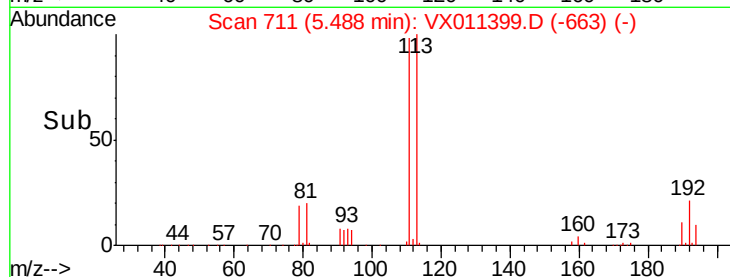
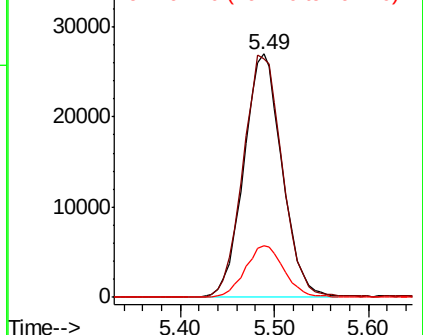
192 21.5 17.8 26.8



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: 4.778 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

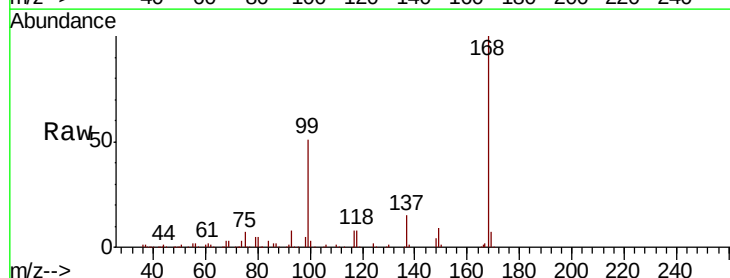
Tgt Ion: 75 Resp: 9600

Ion Ratio Lower Upper

75 100

110 10.6 20.0 59.9#

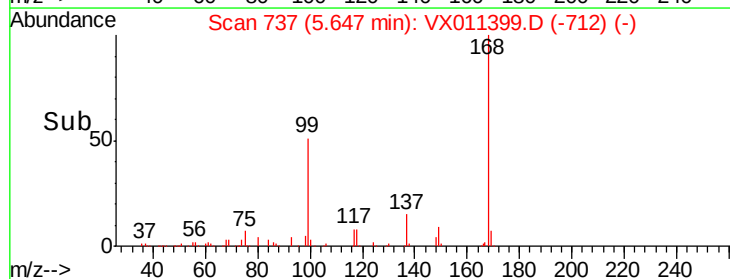
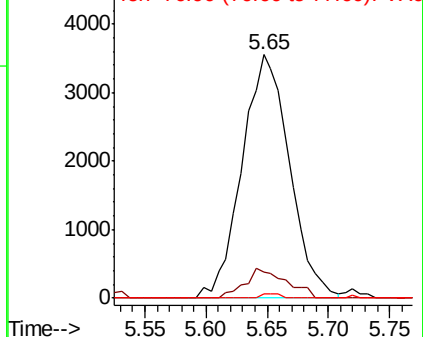
77 0.7 24.8 37.2#

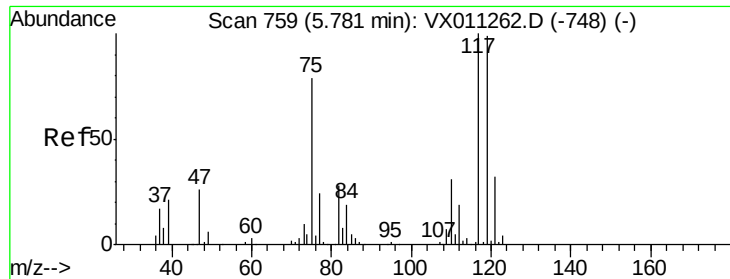


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

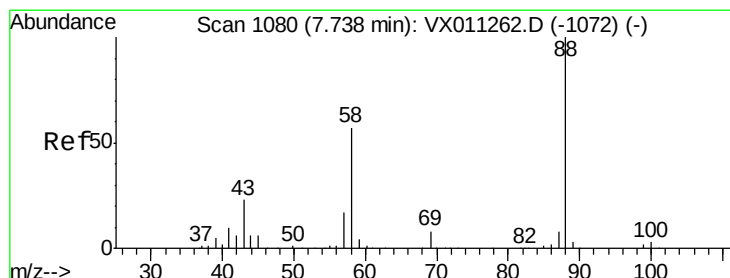
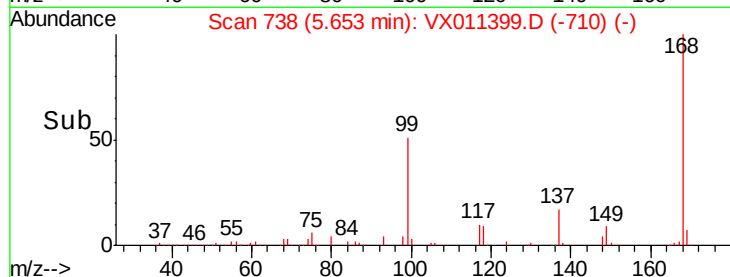
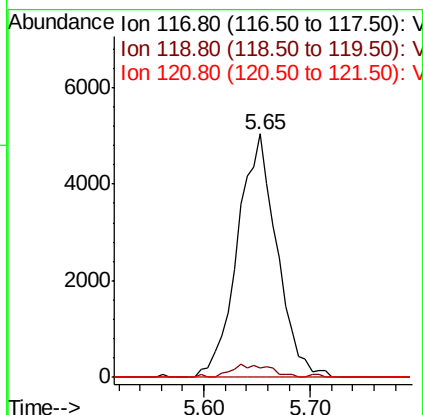
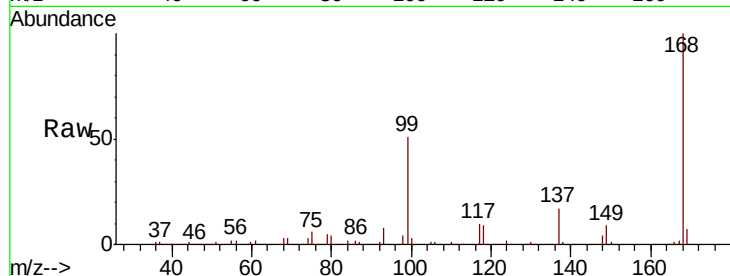




#38
Carbon Tetrachloride
Concen: 6.466 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011399.D
Acq: 09 Aug 2019 10:18

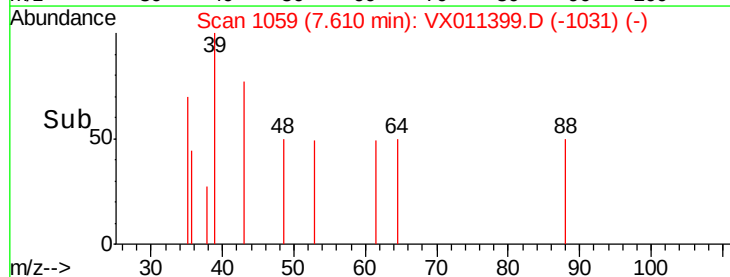
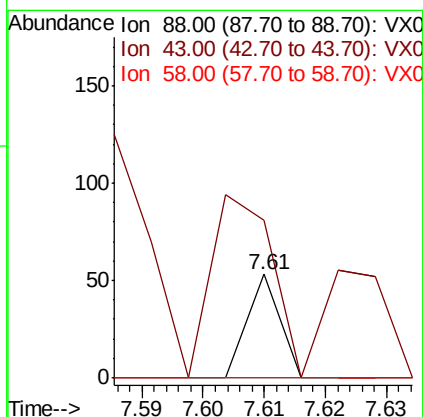
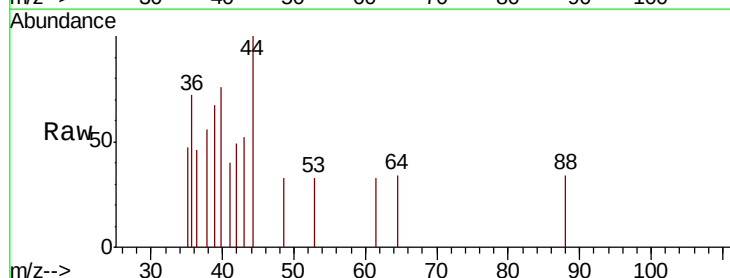
Instrument :
MSVOA_X
ClientSampleId :
VX0809MBL01

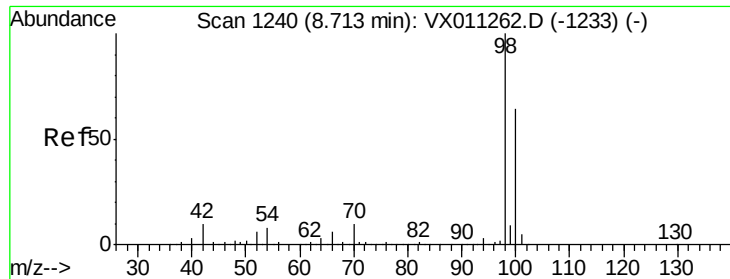
Tgt Ion: 117 Resp: 13070
Ion Ratio Lower Upper
117 100
119 3.9 79.0 118.4#
121 0.0 25.9 38.9#



#49
1,4-Dioxane
Concen: 0.432 ug/l
RT: 7.61 min Scan# 1059
Delta R.T. -0.13 min
Lab File: VX011399.D
Acq: 09 Aug 2019 10:18

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 336.8 22.2 33.2#
58 0.0 47.8 71.8#





#50

Toluene-d8

Concen: 49.529 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

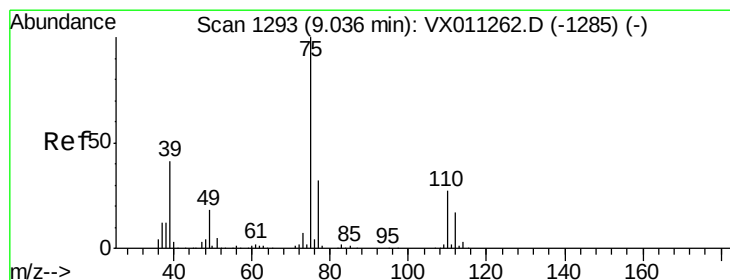
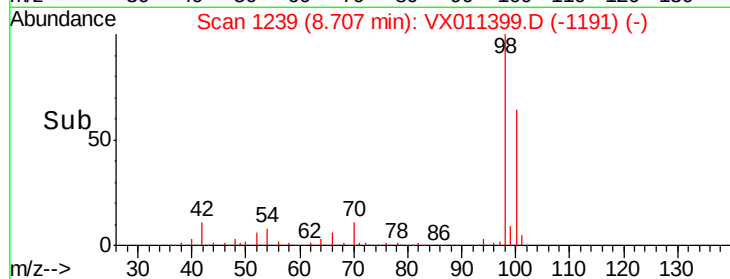
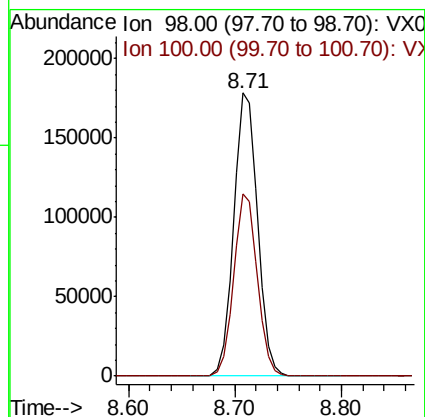
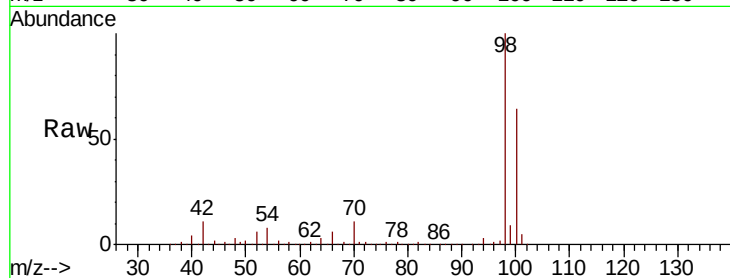
VX0809MBL01

Tgt Ion: 98 Resp: 280890

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



#53

t-1,3-Dichloropropene

Concen: 2.860 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX011399.D

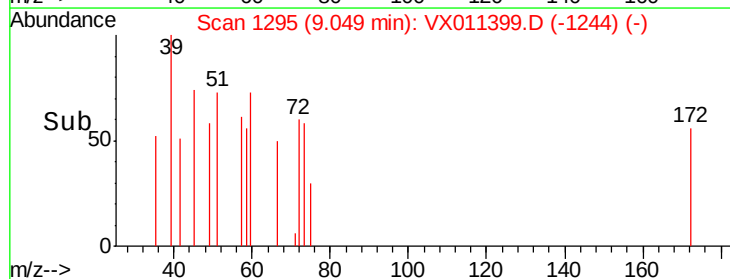
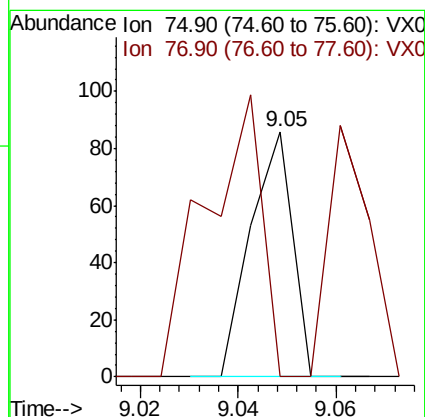
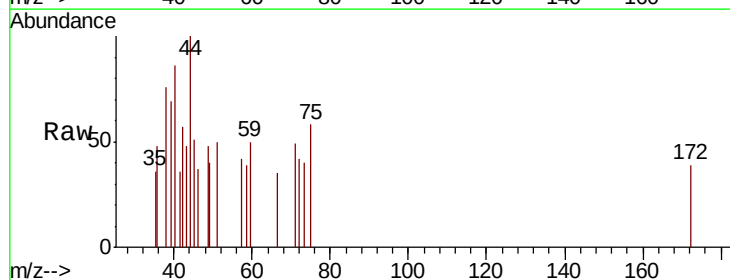
Acq: 09 Aug 2019 10:18

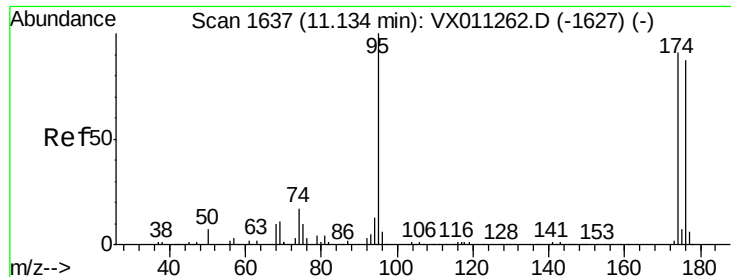
Tgt Ion: 75 Resp: 51

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

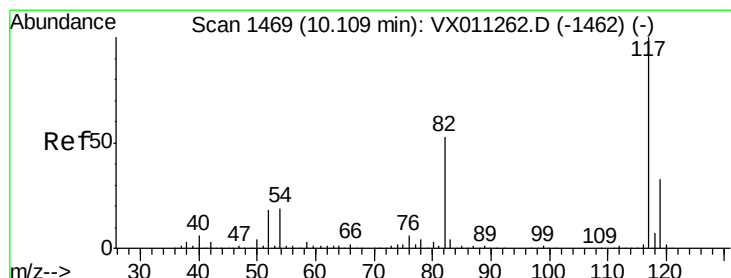
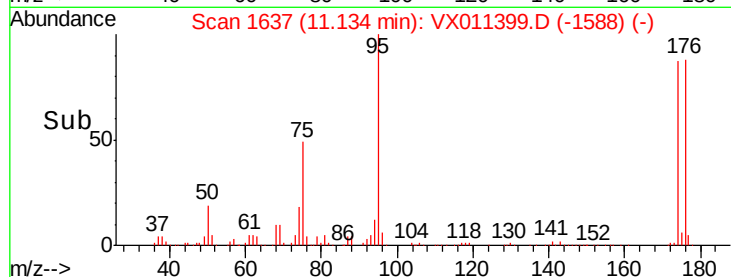
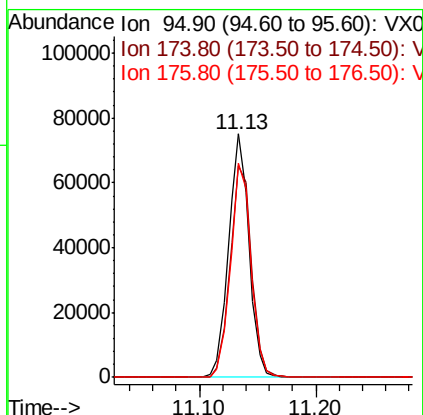
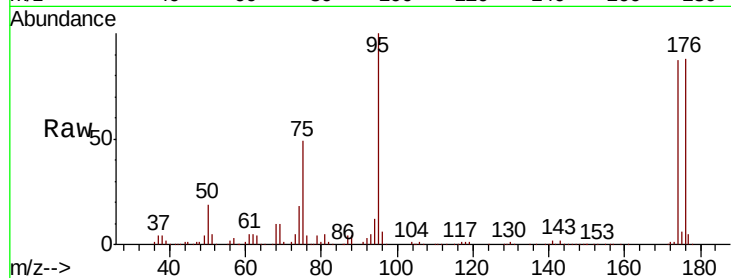




#62
 4-Bromofluorobenzene
 Concen: 45.105 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011399.D
 Acq: 09 Aug 2019 10:18

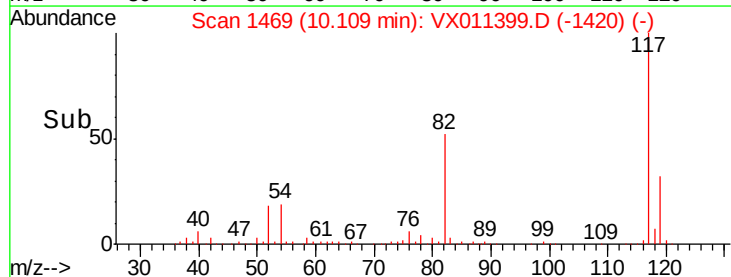
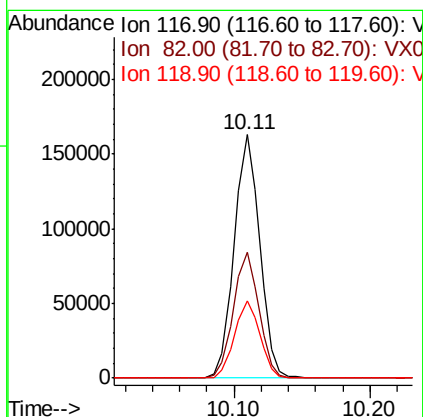
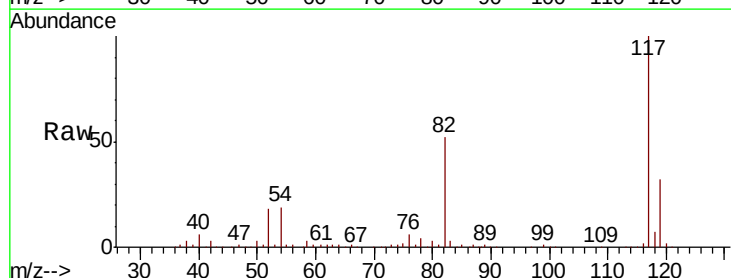
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809MBL01

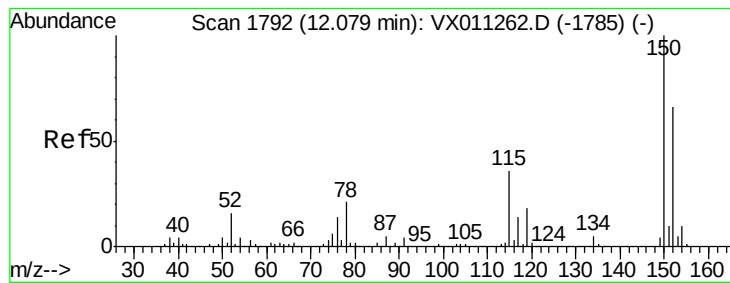
Tgt Ion: 95 Resp: 91328
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 191.2
 176 88.7 0.0 184.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX011399.D
 Acq: 09 Aug 2019 10:18

Tgt Ion: 117 Resp: 213420
 Ion Ratio Lower Upper
 117 100
 82 51.8 42.2 63.2
 119 32.0 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VX0809MBL01

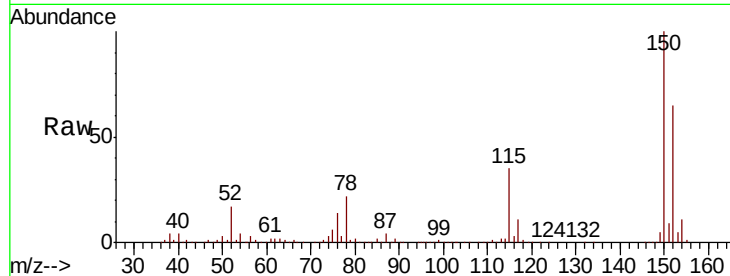
Tgt Ion:152 Resp: 91971

Ion Ratio Lower Upper

152 100

115 55.9 40.0 119.9

150 156.8 0.0 350.4



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

150000

100000

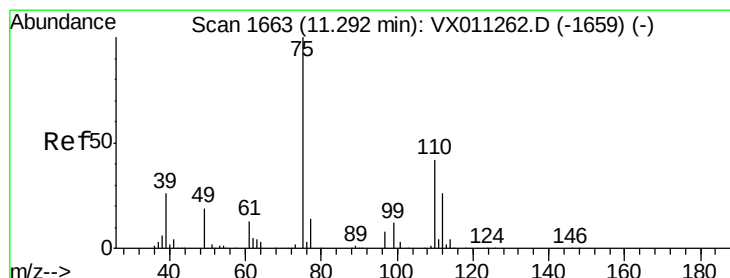
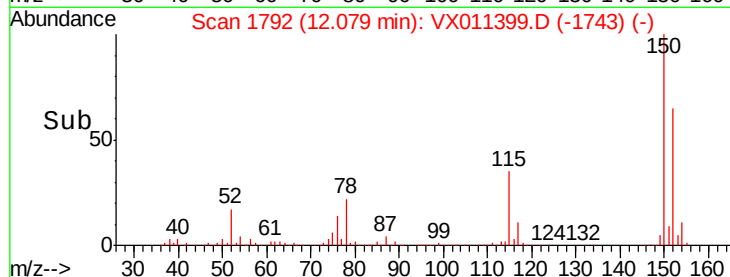
50000

0

12.00 12.05 12.10 12.15

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.427 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011399.D

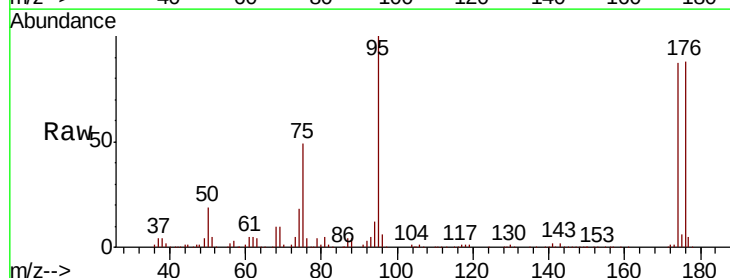
Acq: 09 Aug 2019 10:18

Tgt Ion: 75 Resp: 45938

Ion Ratio Lower Upper

75 100

77 1.3 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

20000

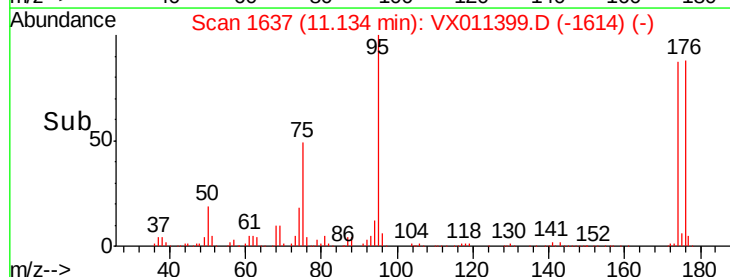
10000

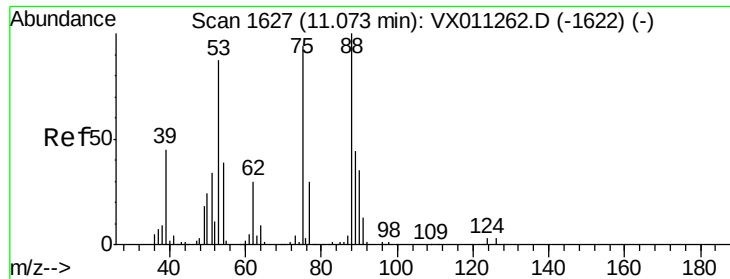
0

11.10 11.15 11.20

11.13

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 71.134 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VX0809MBL01

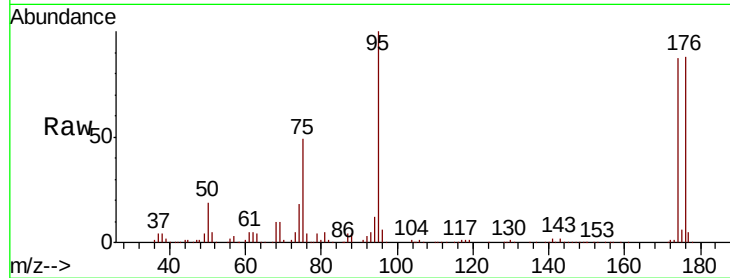
Tgt Ion: 75 Resp: 45938

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

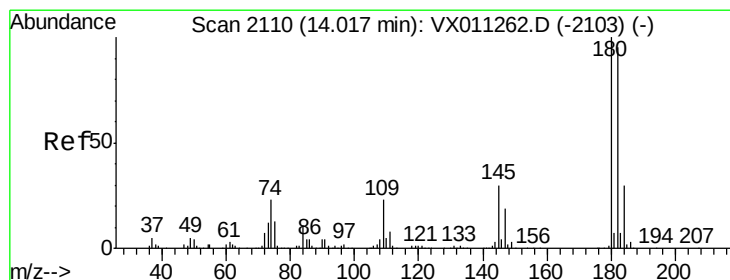
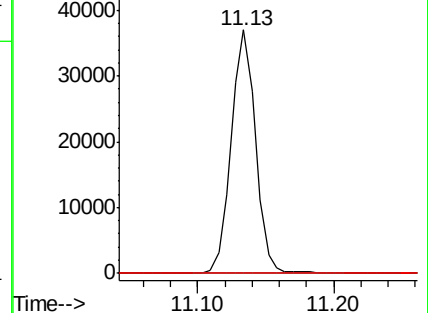
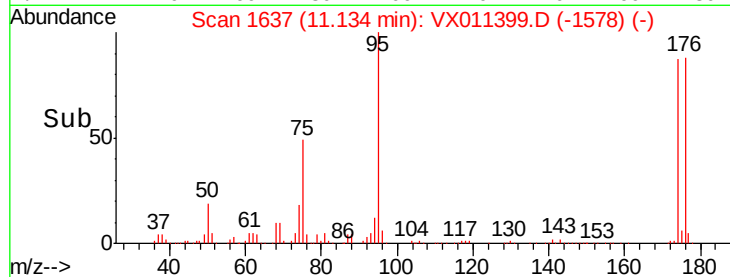
89 0.0 37.9 56.9#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.205 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX011399.D

Acq: 09 Aug 2019 10:18

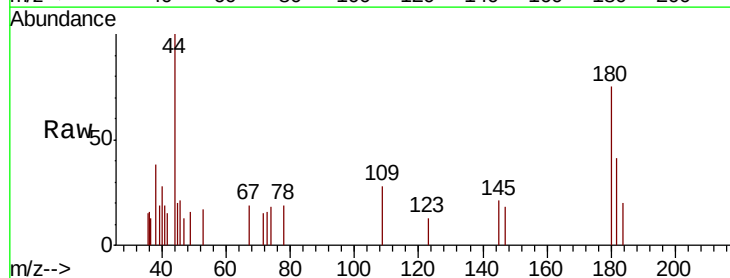
Tgt Ion:180 Resp: 429

Ion Ratio Lower Upper

180 100

182 72.7 47.4 142.3

145 27.7 15.2 45.6



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

