

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009831.D
 Acq On : 23 May 2019 02:51
 Operator : JC/SP
 Sample : K2976-12 50X
 Misc : 5.51g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(17-20)

Quant Time: May 23 07:24:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	183793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295212	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124970	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	5.50	113	90615	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	376717	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	138229	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	

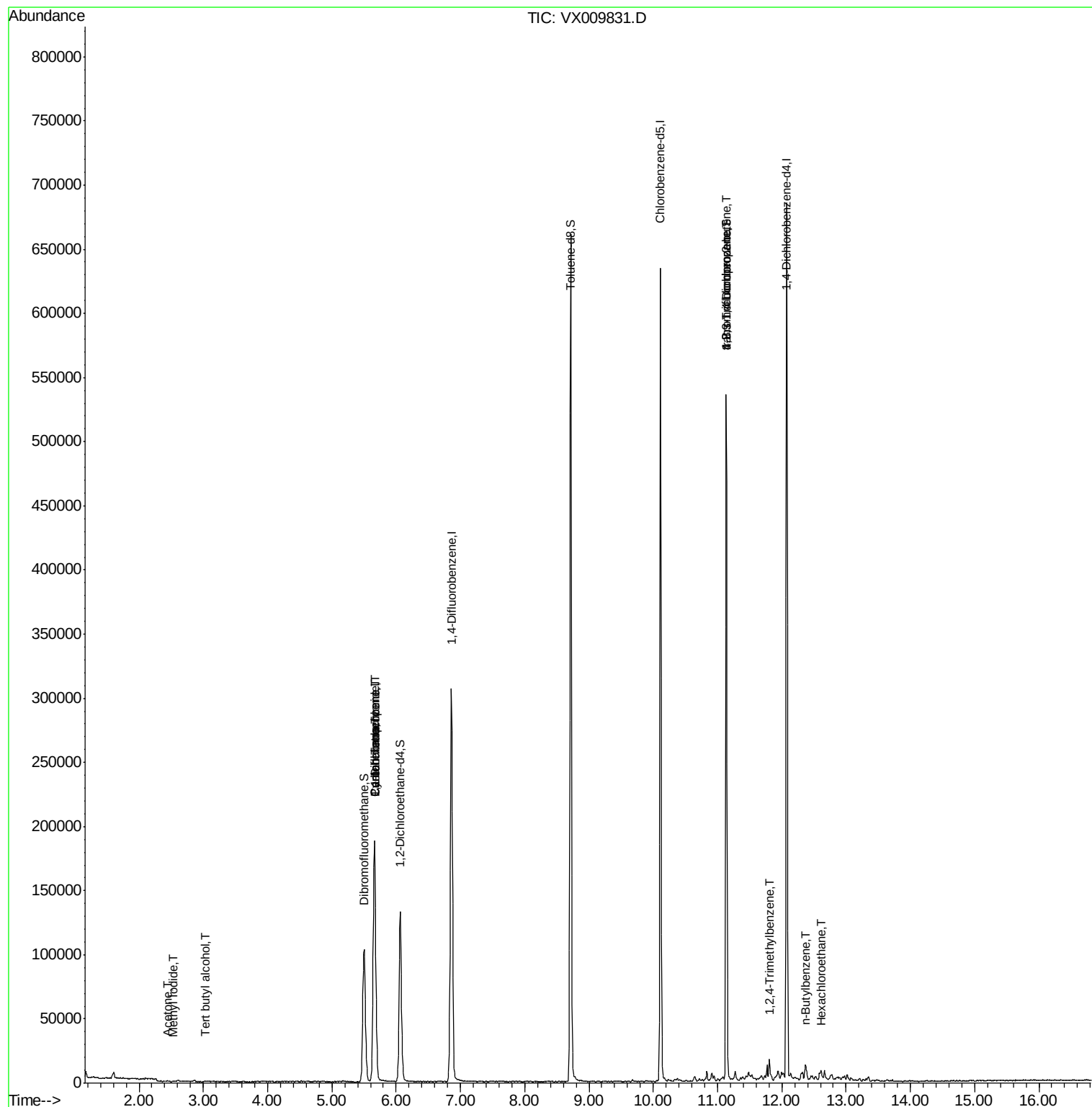
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	20	4.603	ug/l #	42
11) Tert butyl alcohol	3.04	59	197	0.339	ug/l #	73
16) Acetone	2.44	43	904	0.671	ug/l	93
28) Bromochloromethane	4.98	49	45	Below Cal	#	20
31) Cyclohexane	5.66	56	4355	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14400	5.249	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17111	6.865	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	71386	22.524	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71386	57.631	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	5464	0.651	ug/l	96
89) n-Butylbenzene	12.38	91	2153	0.275	ug/l #	76
90) Hexachloroethane	12.61	117	446	0.302	ug/l #	7

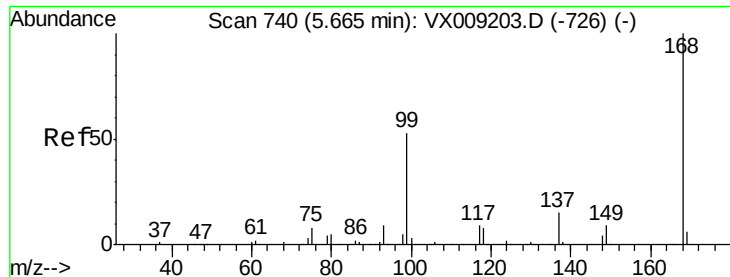
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EP1-SB-MW-ER(17-20)

Quant Time: May 23 07:24:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

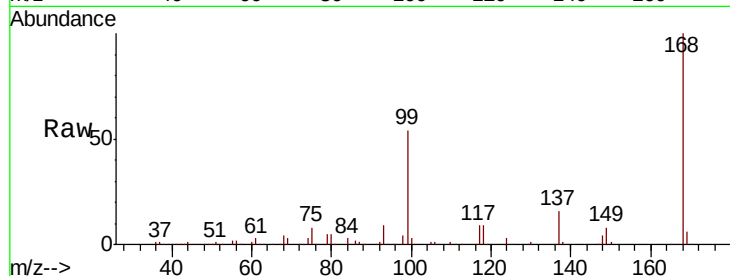
EP1-SB-MW-ER(17-20)

Tot Ion:168 Resp: 183793

Ion Ratio Lower Upper

168 100

99 53.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

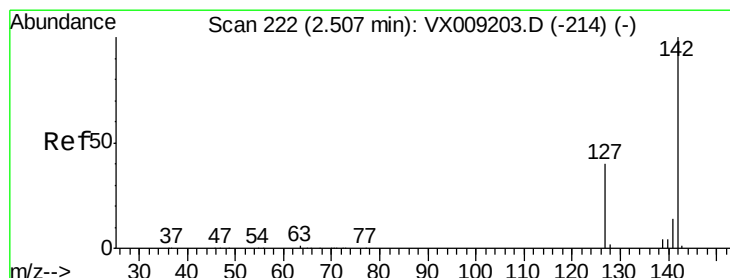
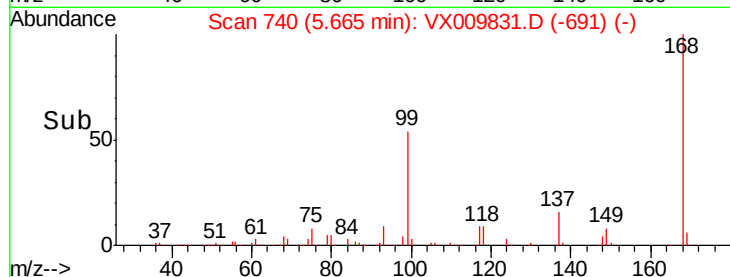
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#10

Methyl Iodide

Concen: 4.603 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

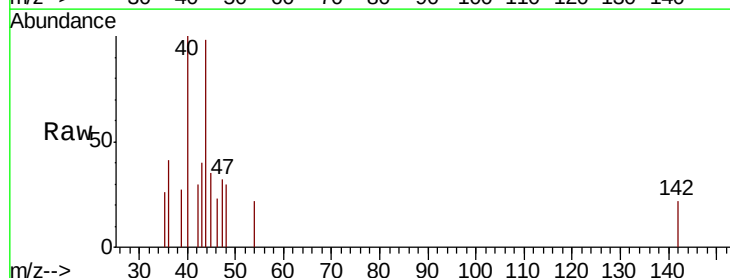
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



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

2.52

60

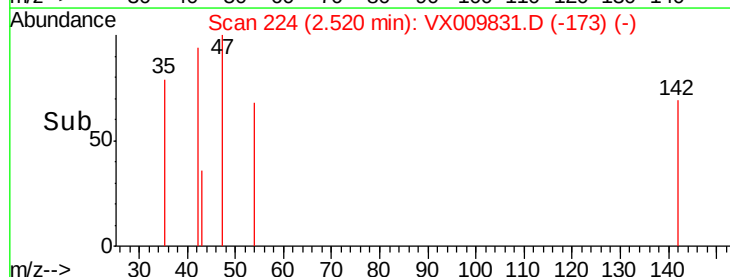
40

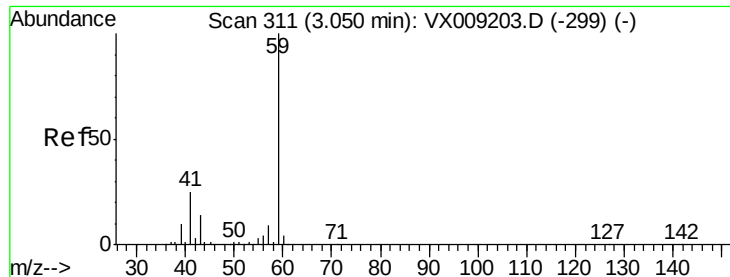
20

0

Time-->

2.50 2.51 2.52 2.53 2.54

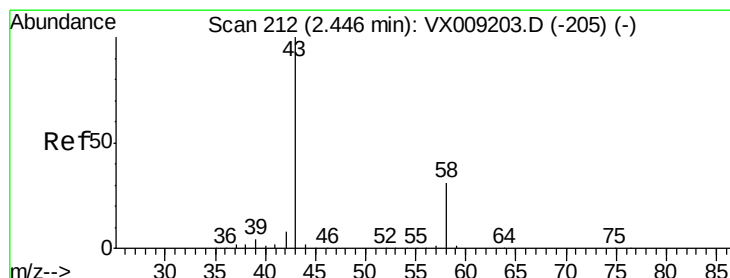
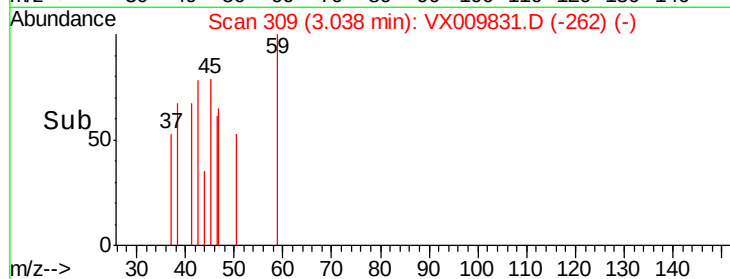
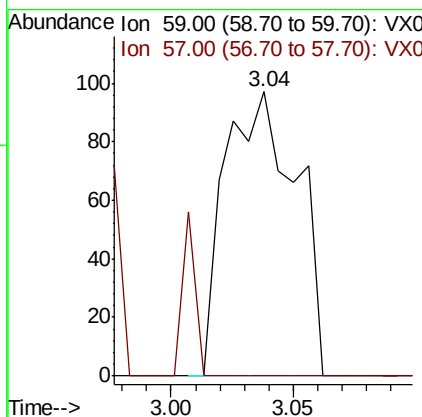
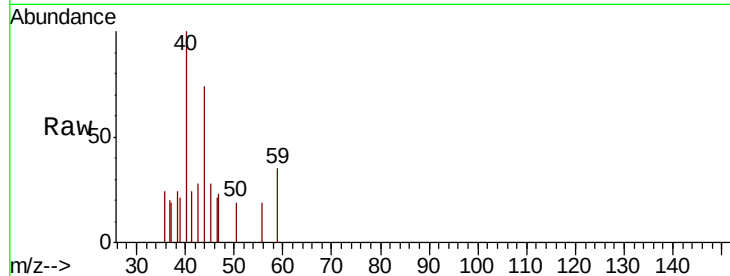




#11
Tert butyl alcohol
Concen: 0.339 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009831.D
Acq: 23 May 2019 02:51

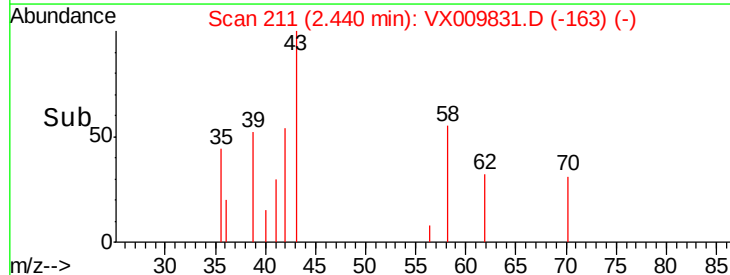
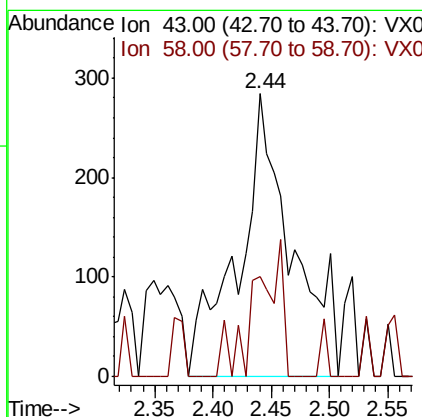
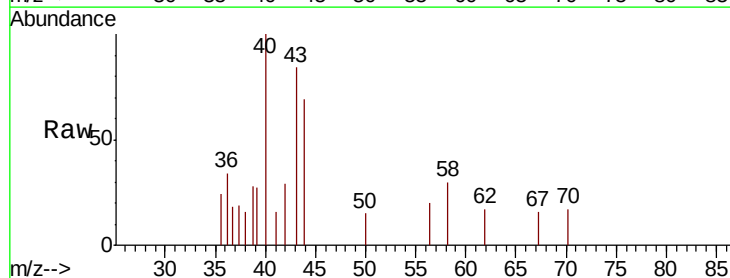
Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(17-20)

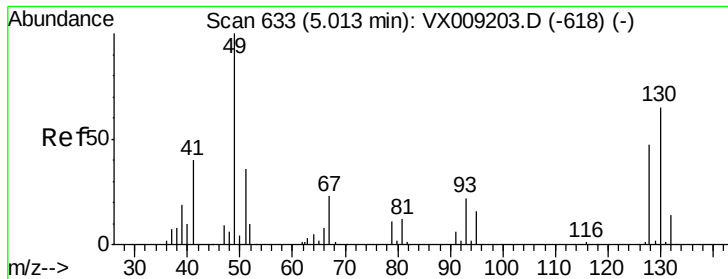
Tot Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 0.671 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009831.D
Acq: 23 May 2019 02:51

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 35.2 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 627

Delta R.T. -0.04 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

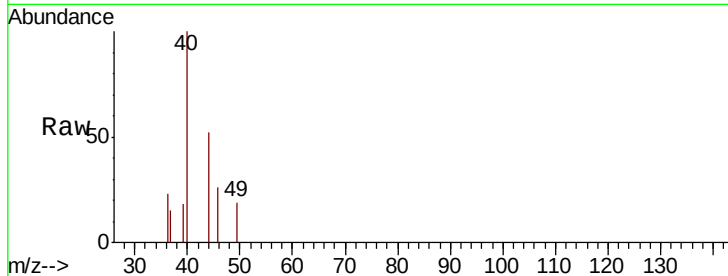
Tot Ion: 49 Resp: 45

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

4.98

60

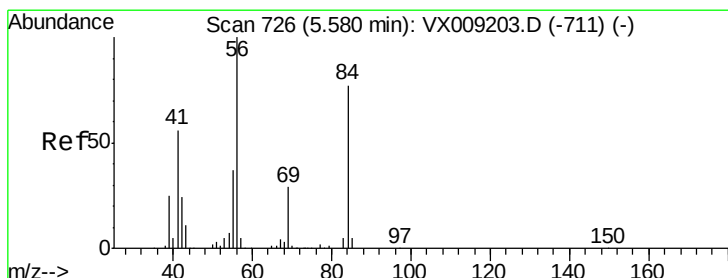
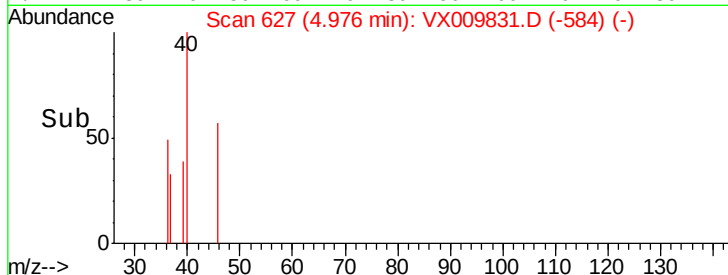
40

20

0

4.96 4.98 5.00

Time-->



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

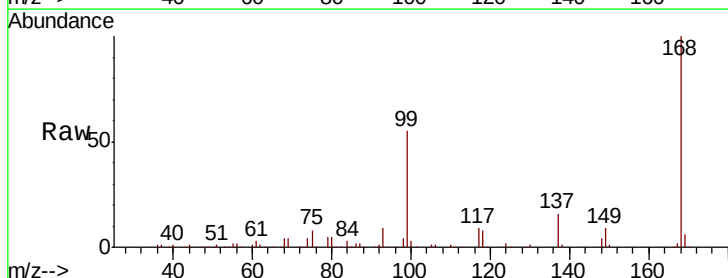
Tgt Ion: 56 Resp: 4355

Ion Ratio Lower Upper

56 100

69 174.0 23.4 35.0#

84 127.1 61.9 92.9#



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

3000

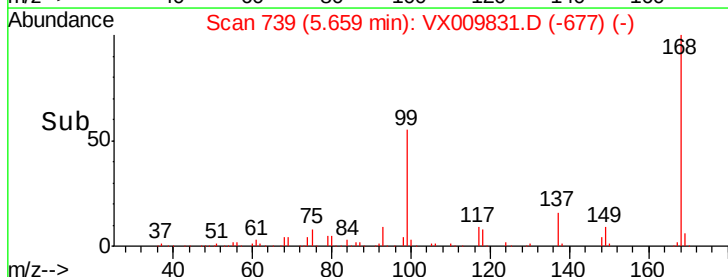
2000

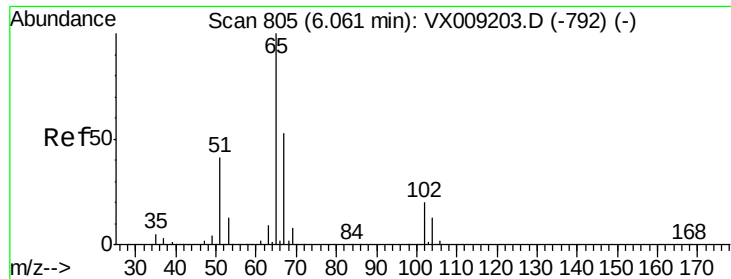
1000

0

5.50 5.60 5.70 5.80

Time-->

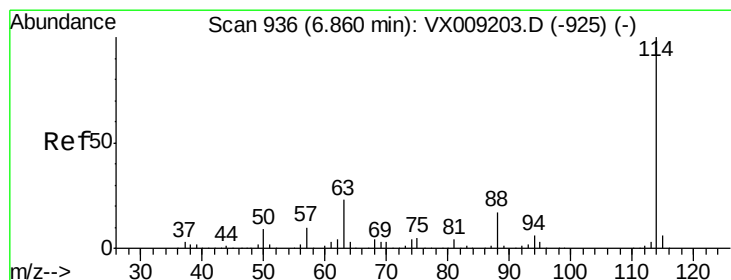
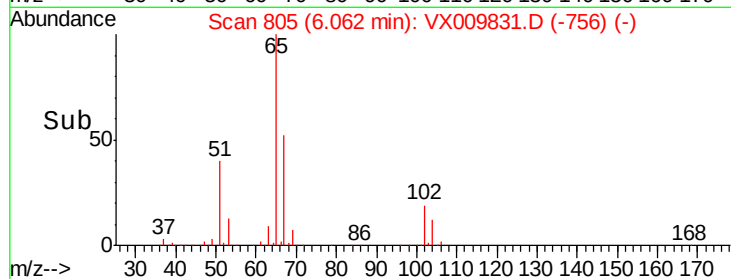
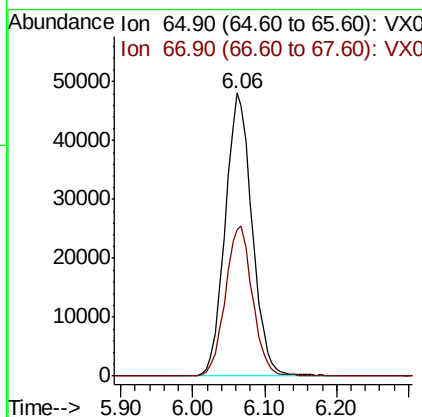
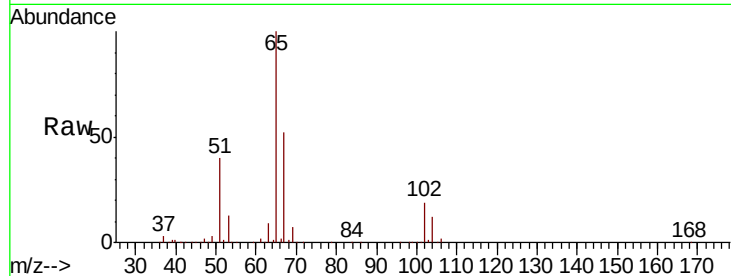




#33
 1,2-Dichloroethane-d4
 Concen: 49.809 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009831.D
 Acq: 23 May 2019 02:51

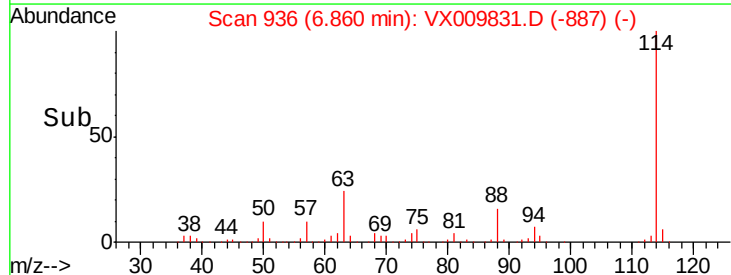
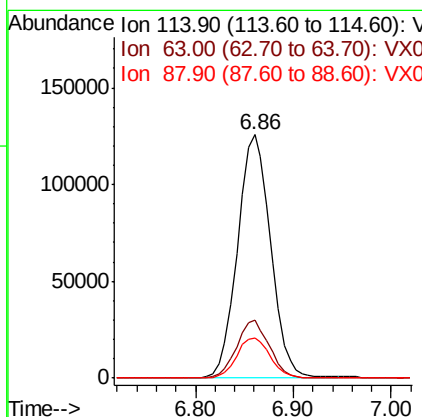
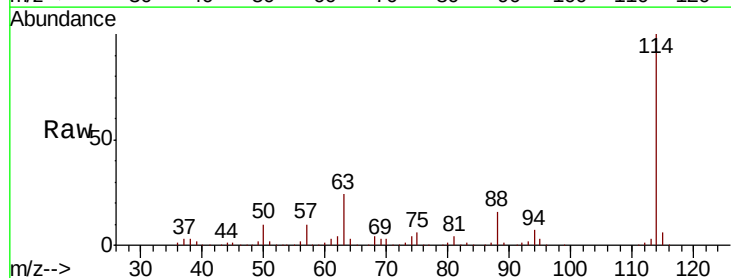
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(17-20)

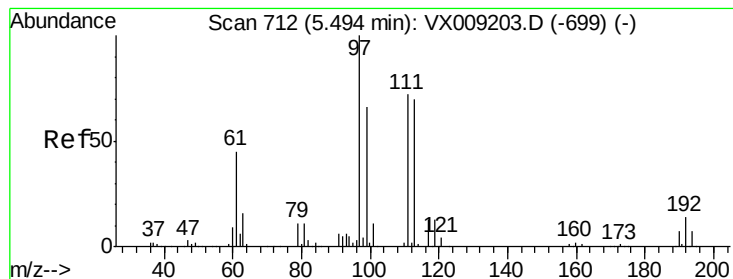
Tot Ion: 65 Resp: 124970
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009831.D
 Acq: 23 May 2019 02:51

Tgt Ion: 114 Resp: 295212
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.6
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.827 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

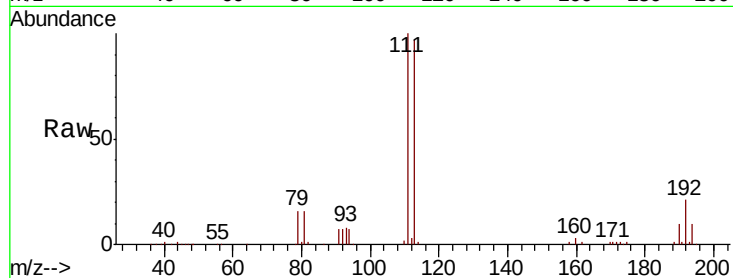
Tot Ion:113 Resp: 90615

Ion Ratio Lower Upper

113 100

111 101.2 82.8 124.2

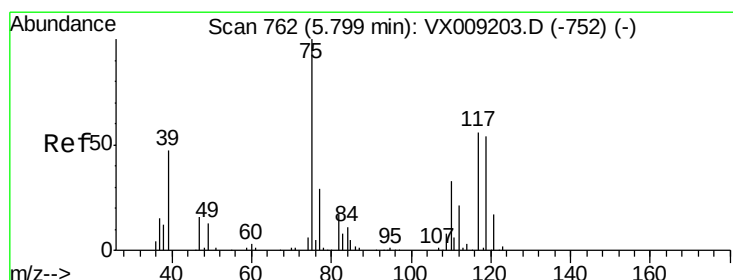
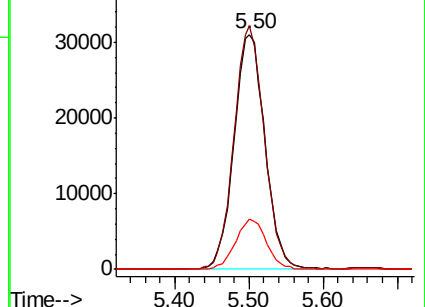
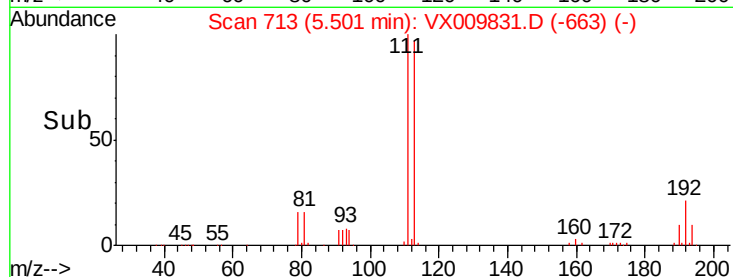
192 21.2 17.0 25.6



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: 5.249 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

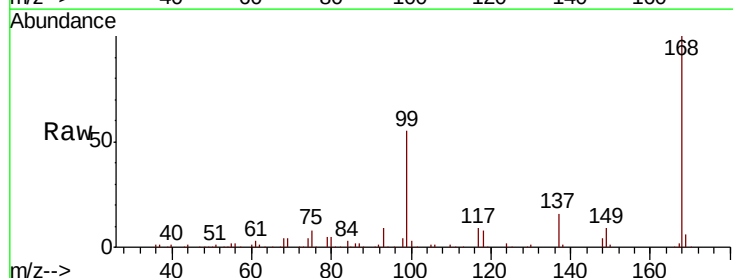
Tgt Ion: 75 Resp: 14400

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

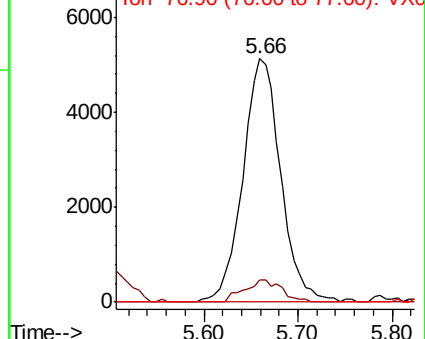
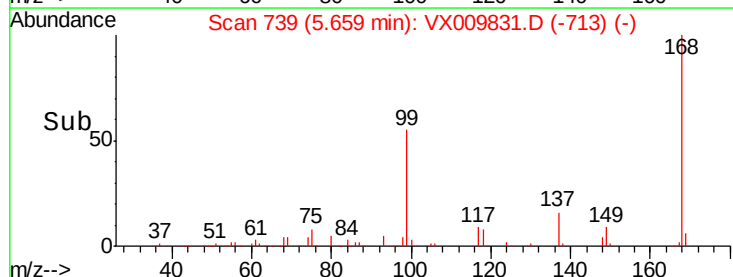
77 0.0 24.8 37.2#

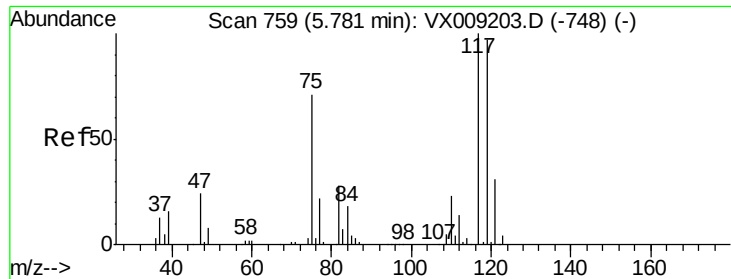


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.865 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

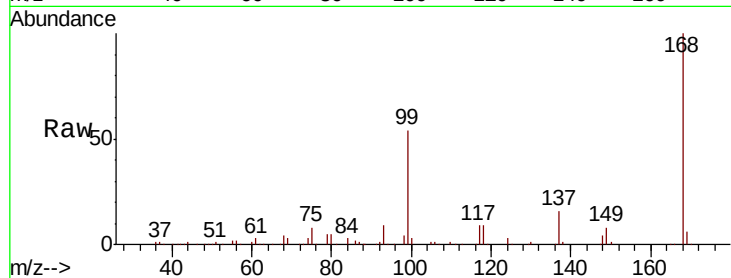
Tot Ion:117 Resp: 17111

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

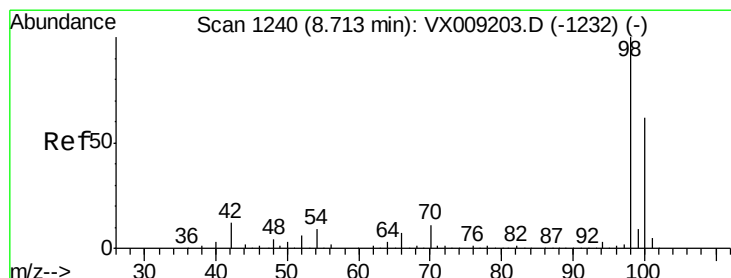
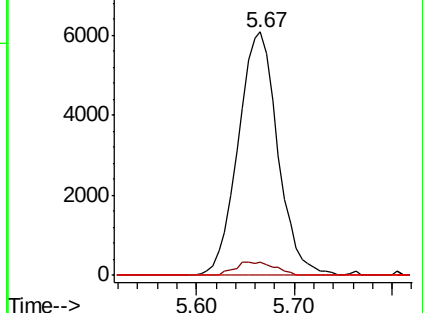
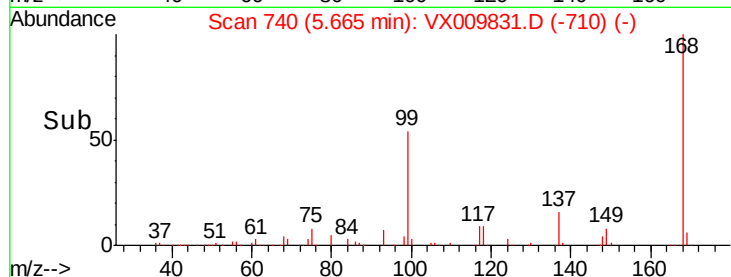
121 0.0 24.7 37.1#



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: 50.280 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009831.D

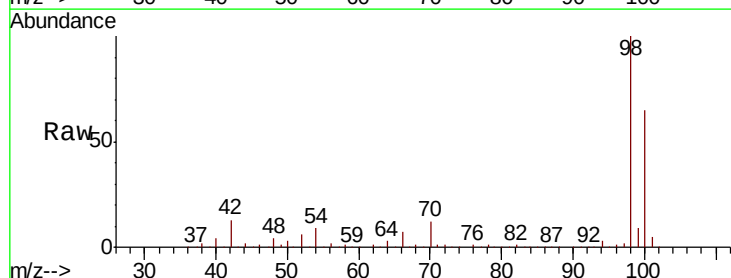
Acq: 23 May 2019 02:51

Tgt Ion: 98 Resp: 376717

Ion Ratio Lower Upper

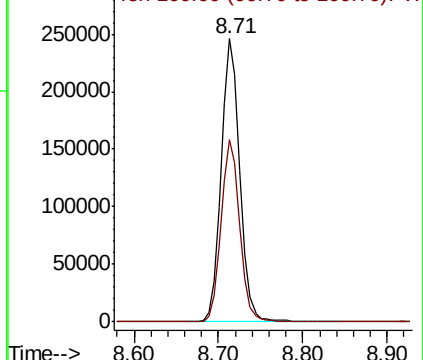
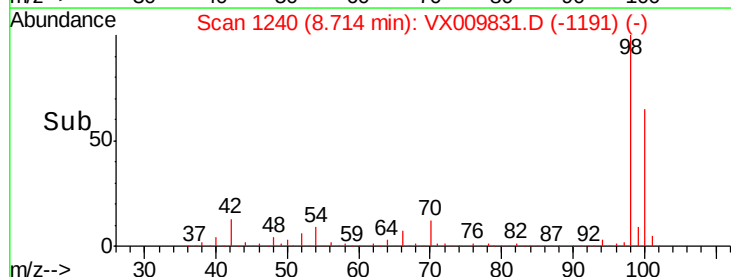
98 100

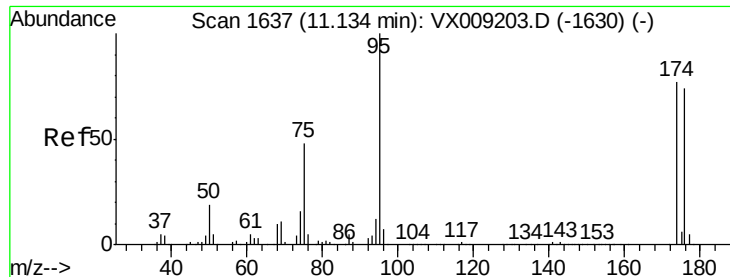
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.774 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

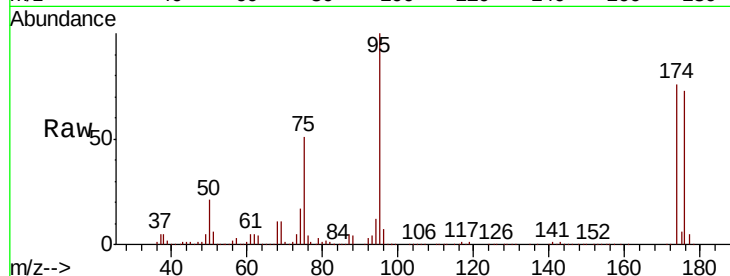
Tot Ion: 95 Resp: 138229

Ion Ratio Lower Upper

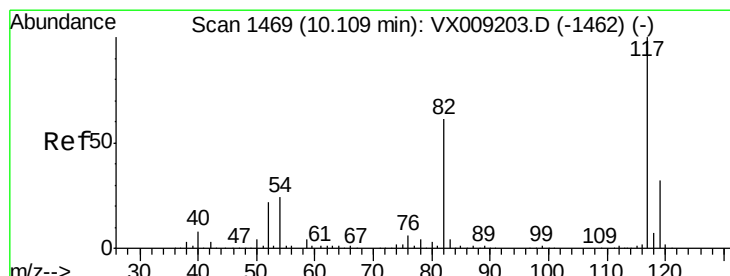
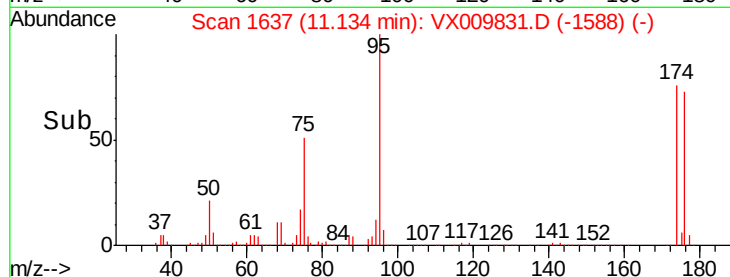
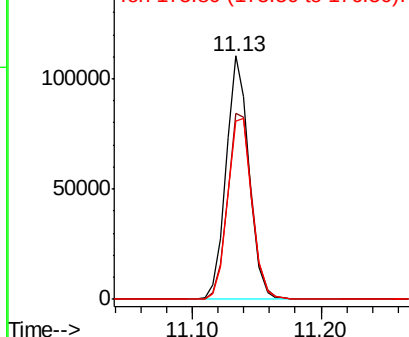
95 100

174 80.9 0.0 161.6

176 79.2 0.0 159.2



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: VX009831.D

Acq: 23 May 2019 02:51

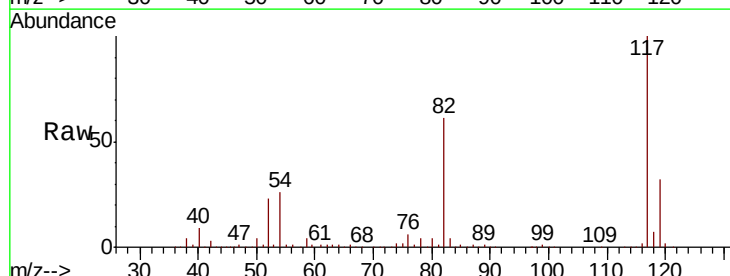
Tgt Ion: 117 Resp: 275340

Ion Ratio Lower Upper

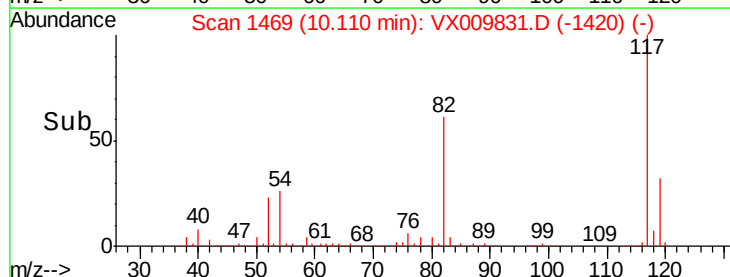
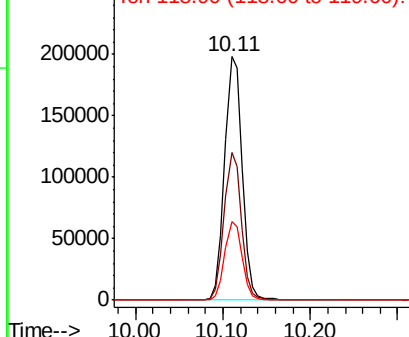
117 100

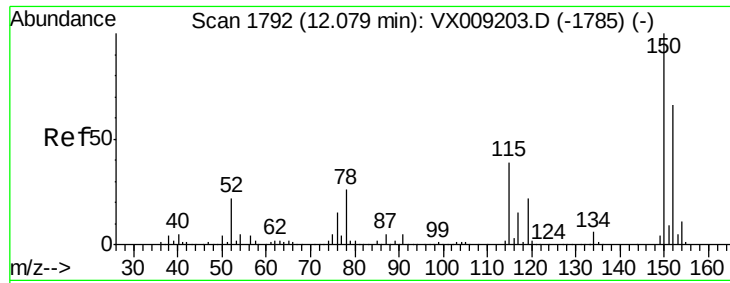
82 60.8 48.8 73.2

119 32.2 25.8 38.6



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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

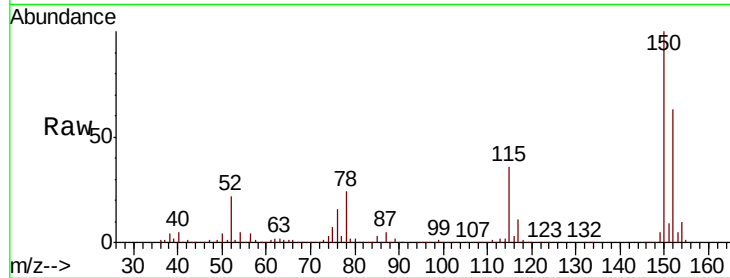
Tot Ion:152 Resp: 136629

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

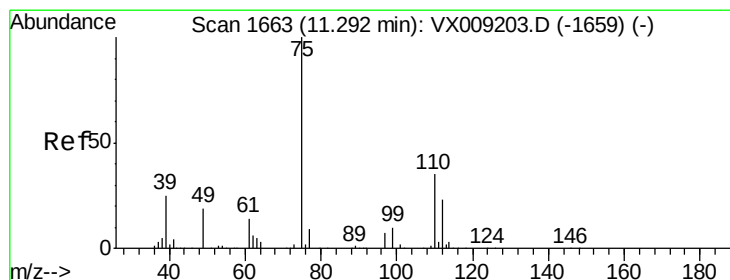
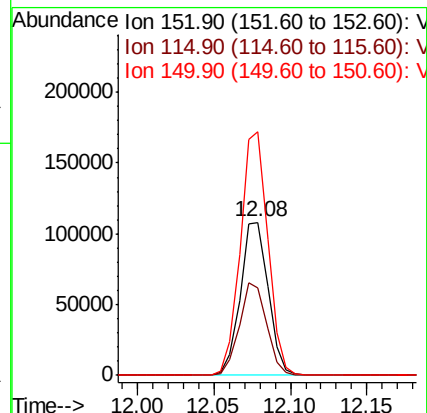
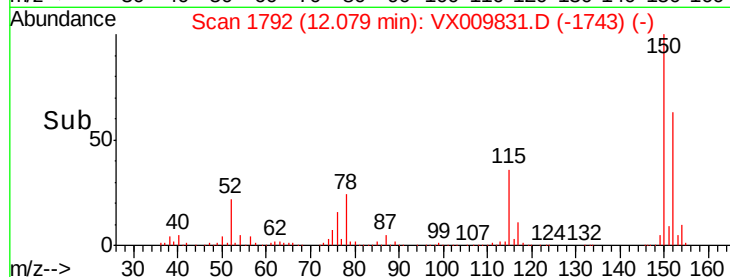
150 157.2 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 22.524 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009831.D

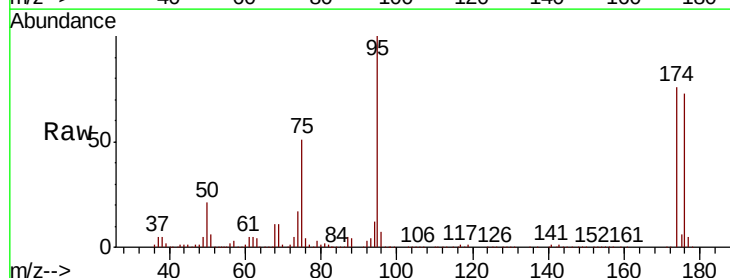
Acq: 23 May 2019 02:51

Tgt Ion: 75 Resp: 71386

Ion Ratio Lower Upper

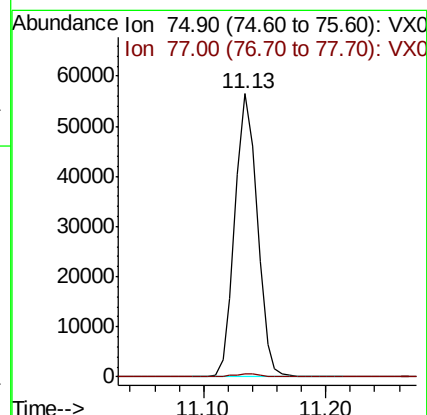
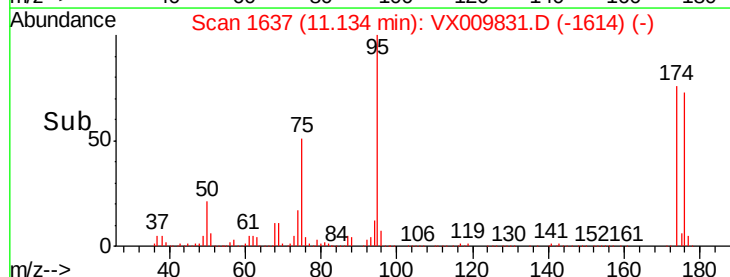
75 100

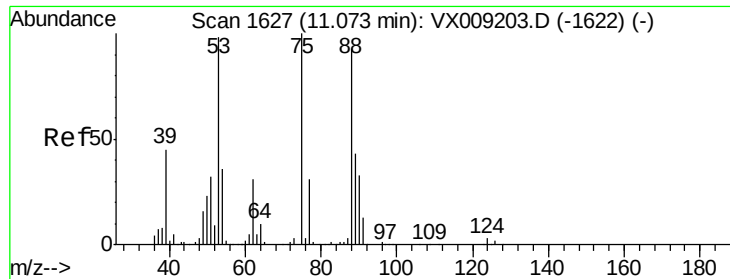
77 1.2 22.1 66.1#



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: 57.631 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

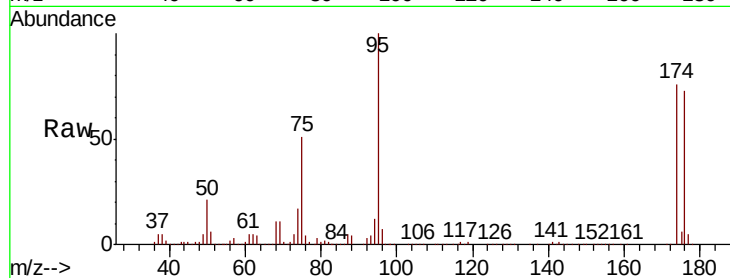
Tot Ion: 75 Resp: 71386

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

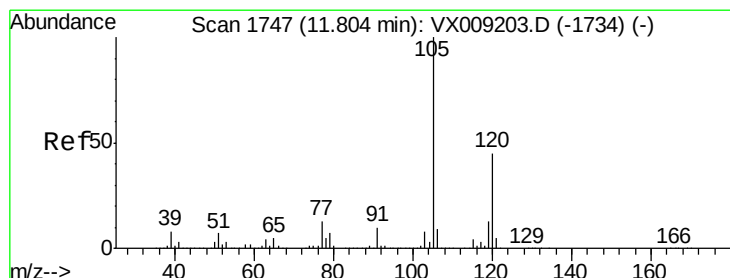
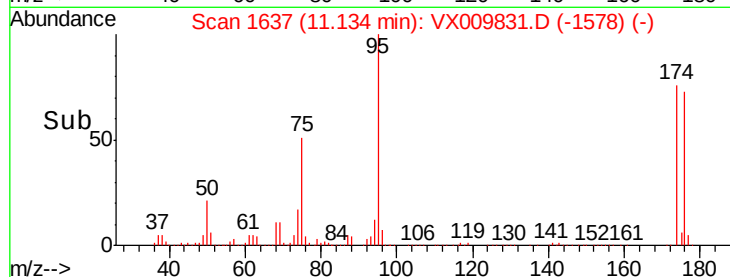
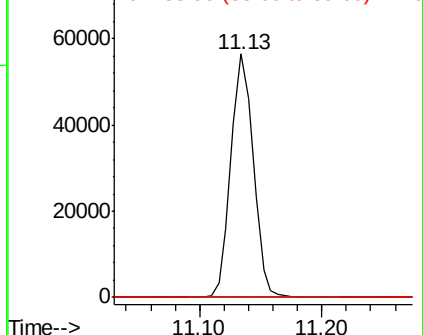
89 0.0 34.7 52.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.651 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009831.D

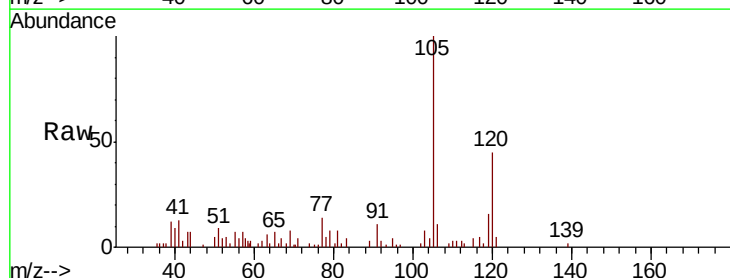
Acq: 23 May 2019 02:51

Tgt Ion: 105 Resp: 5464

Ion Ratio Lower Upper

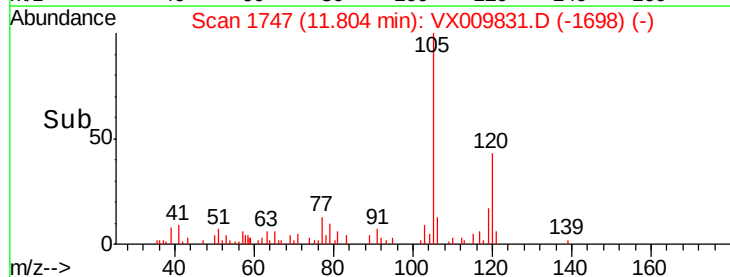
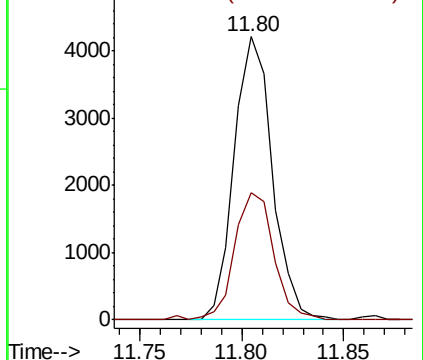
105 100

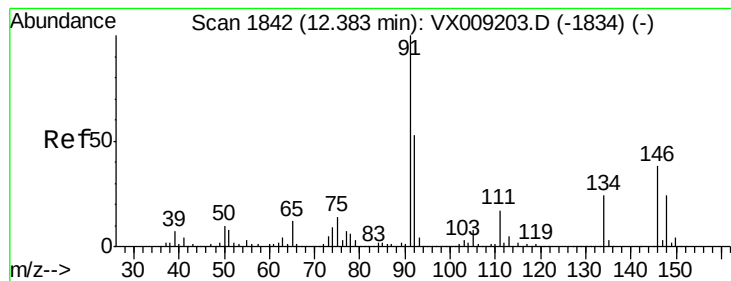
120 46.4 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.275 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009831.D

Acq: 23 May 2019 02:51

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(17-20)

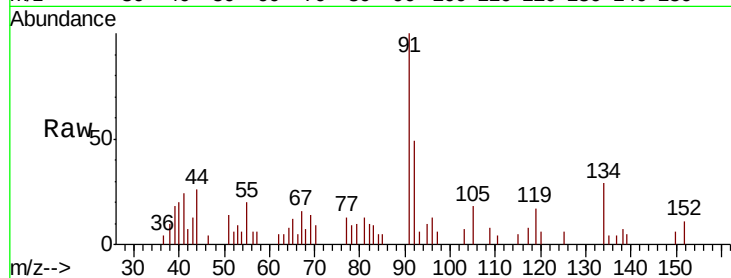
Tot Ion: 91 Resp: 2153

Ion Ratio Lower Upper

91 100

92 49.0 26.5 79.5

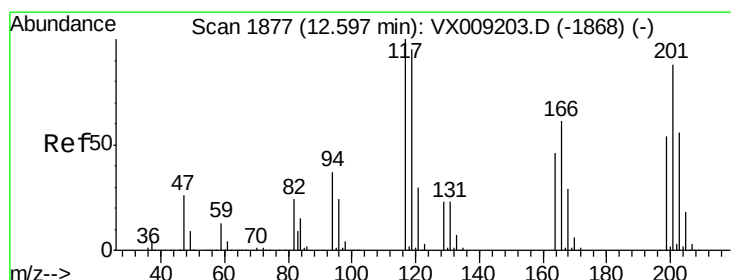
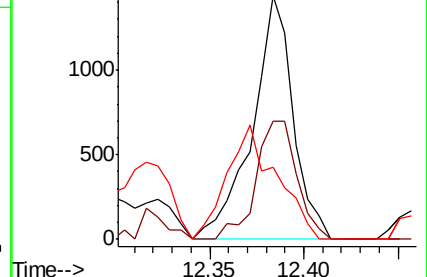
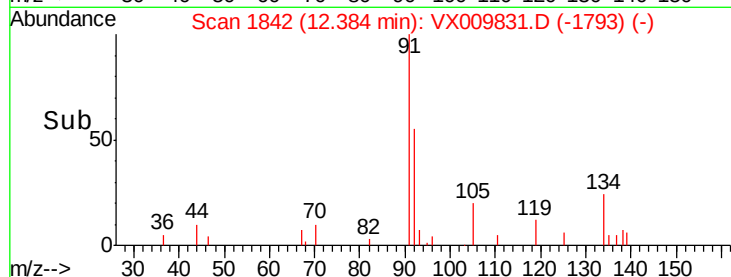
134 56.8 12.4 37.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.302 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX009831.D

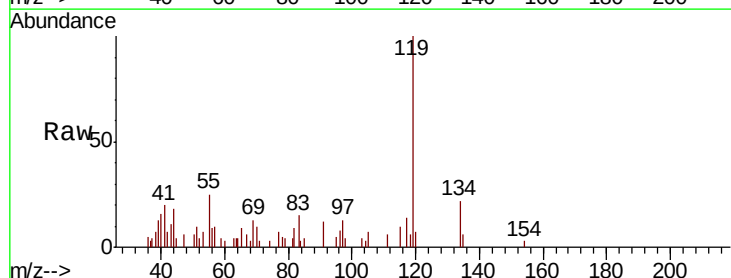
Acq: 23 May 2019 02:51

Tgt Ion: 117 Resp: 446

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

