

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011480.D
 Acq On : 12 Aug 2019 13:55
 Operator : JC/SP
 Sample : K4262-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20B_080819

Quant Time: Aug 13 08:14:19 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	193520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115610	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	105270	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	5.49	113	90058	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.71	98	336040	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
62) 4-Bromofluorobenzene	11.13	95	108461	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	

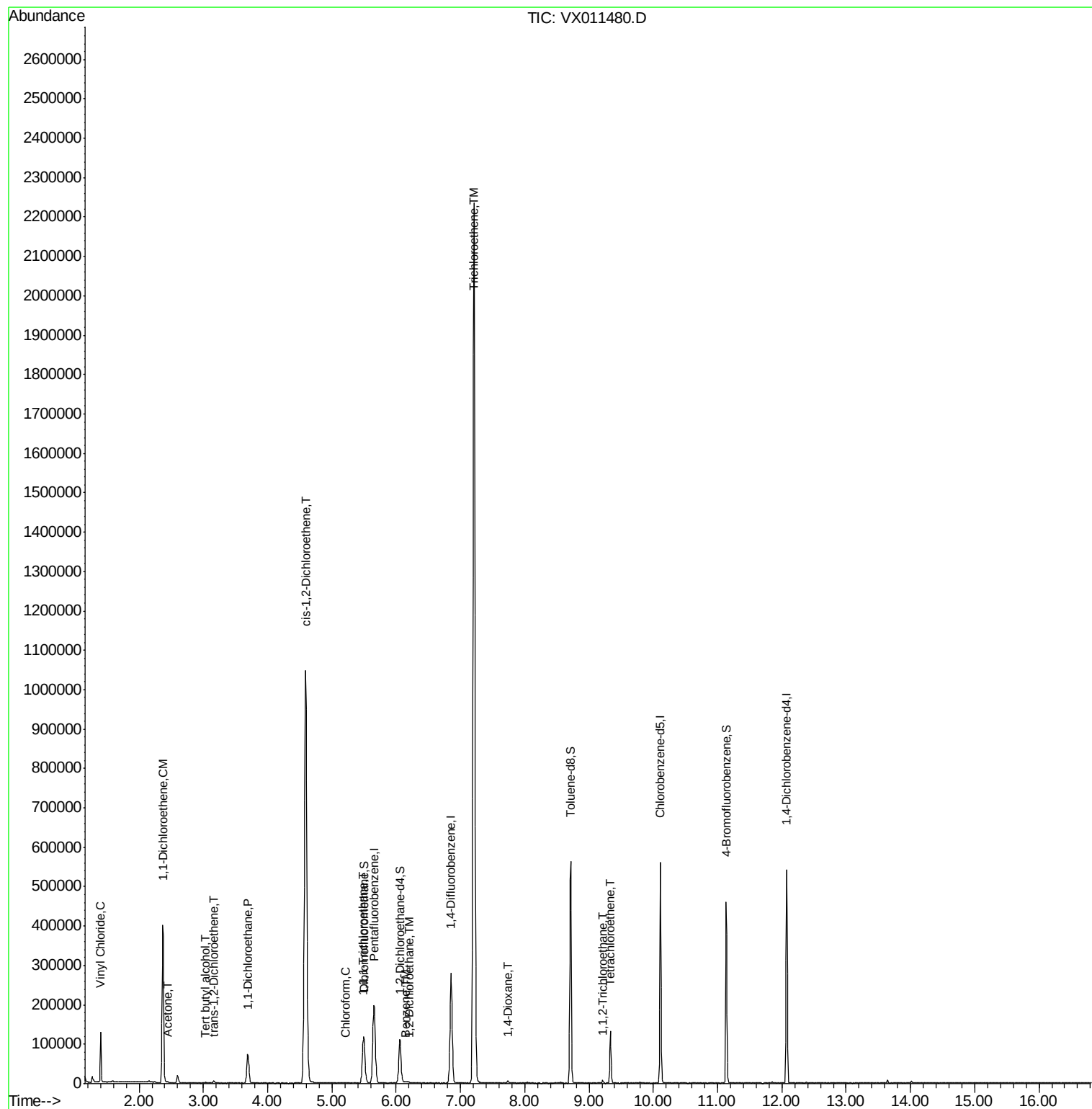
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	79367	42.988	ug/l	98
11) Tert butyl alcohol	3.04	59	2647	6.834	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	139663	79.321	ug/l	86
16) Acetone	2.43	43	3475	3.746	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	2130	1.144	ug/l #	85
24) 1,1-Dichloroethane	3.69	63	80384	26.425	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	701612	327.043	ug/l	93
30) Chloroform	5.21	83	1676	0.507	ug/l #	78
32) 1,1,1-Trichloroethane	5.48	97	8913	3.147	ug/l #	89
40) Benzene	6.13	78	3339	0.443	ug/l #	88
42) 1,2-Dichloroethane	6.19	62	3565	1.399	ug/l	90
44) Trichloroethene	7.21	130	882485	387.015	ug/l	98
49) 1,4-Dioxane	7.74	88	4274	77.377	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	2091	1.021	ug/l #	84
64) Tetrachloroethene	9.34	164	25552	11.824	ug/l	96

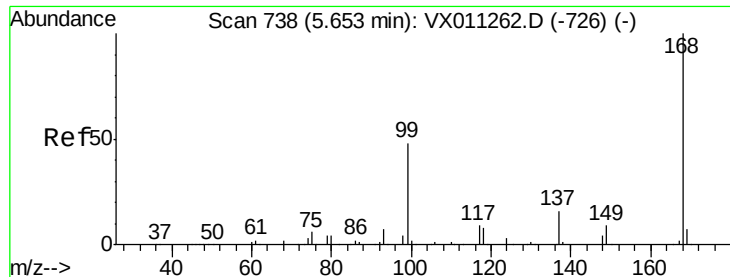
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

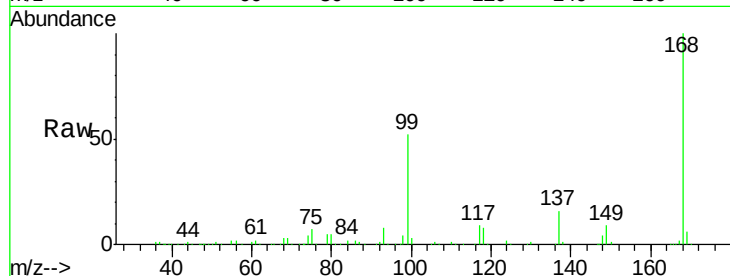
MW-20B_080819

Tot Ion:168 Resp: 193520

Ion Ratio Lower Upper

168 100

99 51.5 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

80000

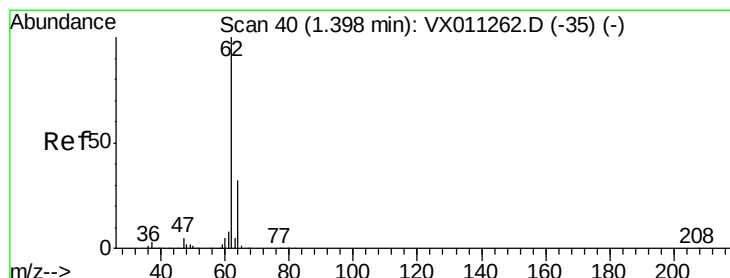
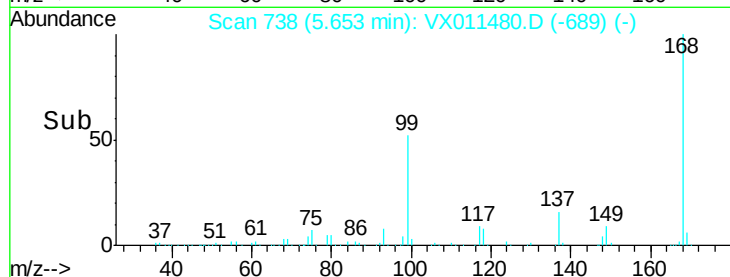
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 42.988 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011480.D

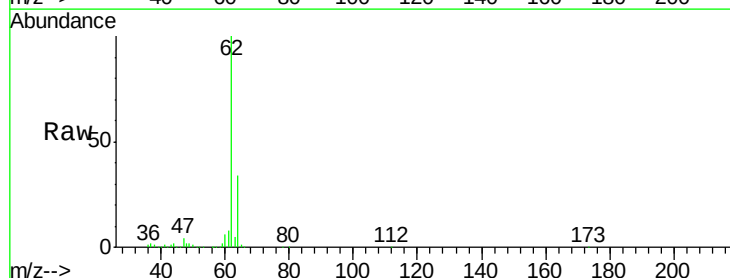
Acq: 12 Aug 2019 13:55

Tgt Ion: 62 Resp: 79367

Ion Ratio Lower Upper

62 100

64 33.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

80000

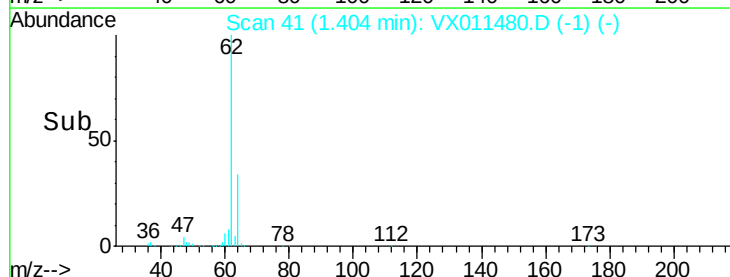
60000

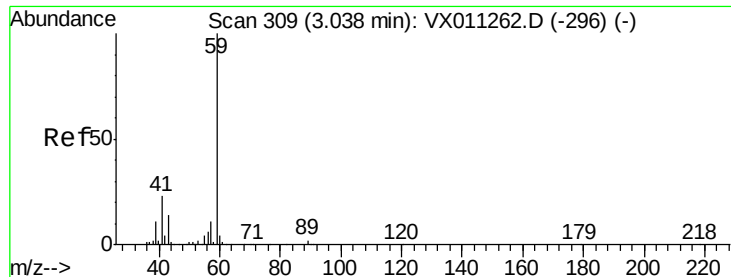
40000

20000

0

Time--> 1.35 1.40 1.45 1.50

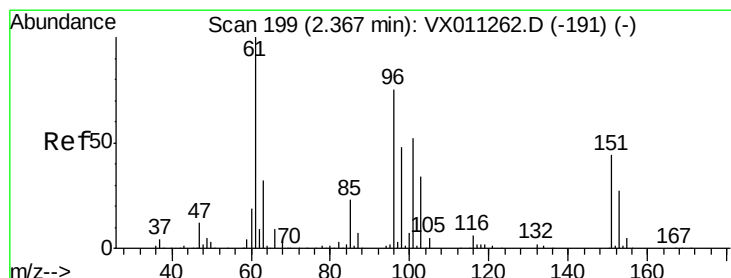
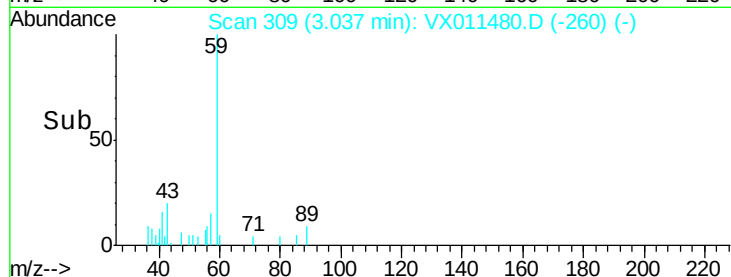
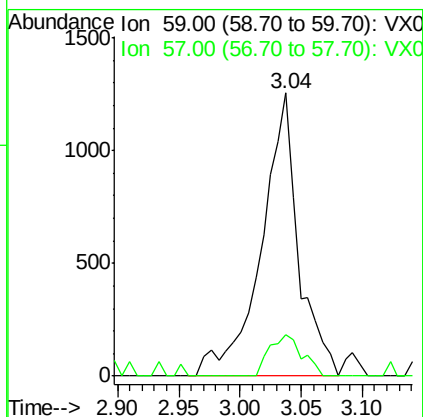
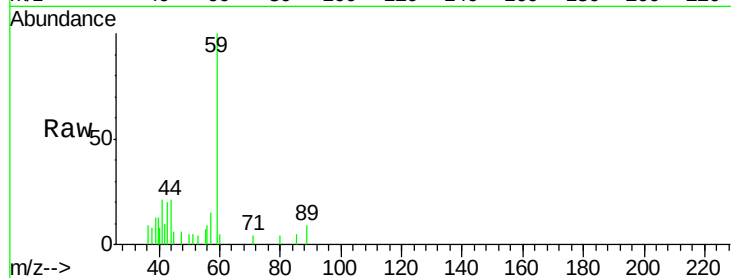




#11
Tert butyl alcohol
Concen: 6.834 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011480.D
Acq: 12 Aug 2019 13:55

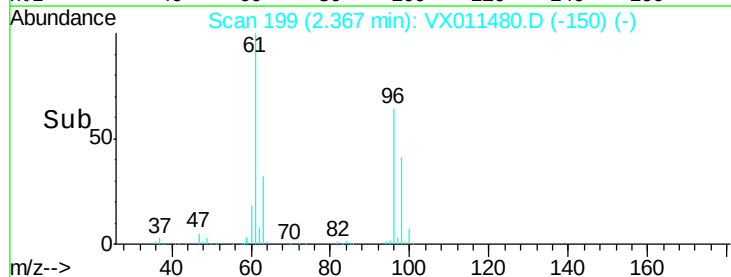
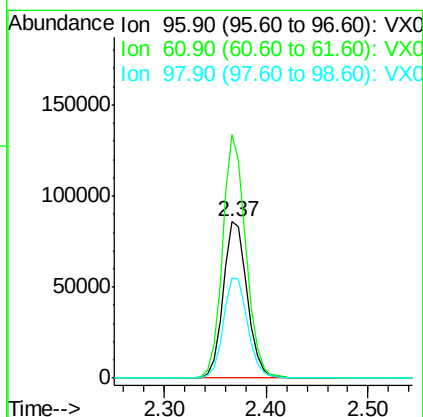
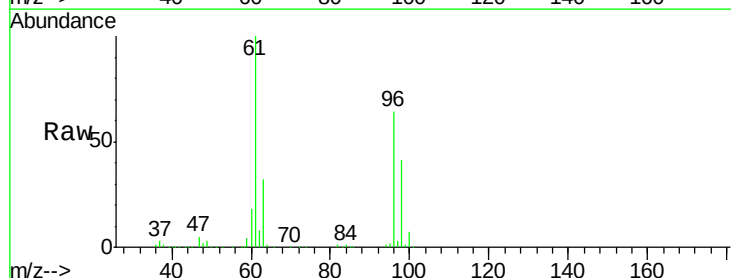
Instrument :
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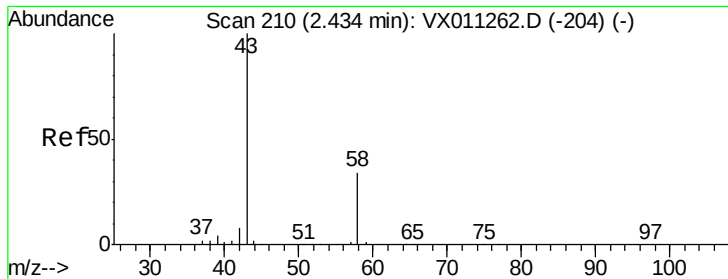
Tot Ion: 59 Resp: 2647
Ion Ratio Lower Upper
59 100
57 13.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 79.321 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011480.D
Acq: 12 Aug 2019 13:55

Tgt Ion: 96 Resp: 139663
Ion Ratio Lower Upper
96 100
61 155.9 106.2 159.2
98 64.5 50.6 75.8





#16

Acetone

Concen: 3.746 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

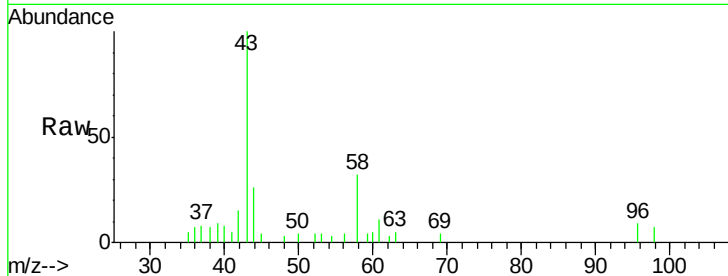
MW-20B_080819

Tot Ion: 43 Resp: 3475

Ion Ratio Lower Upper

43 100

58 32.3 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

1000

500

0

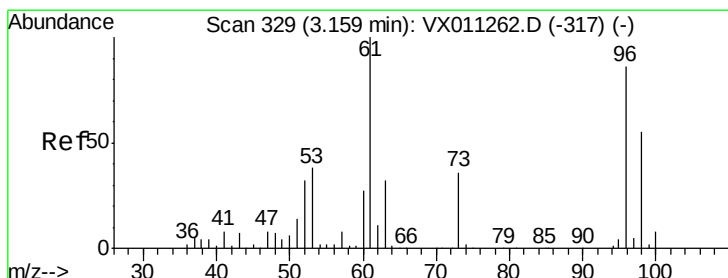
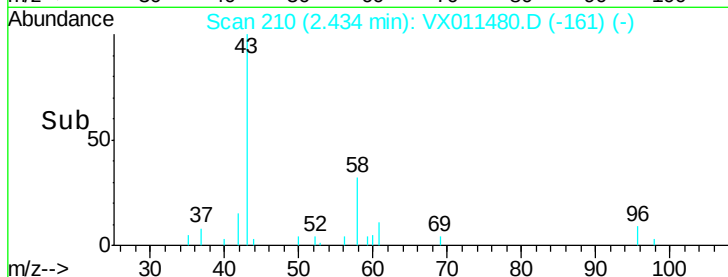
2.40

2.43

2.45

2.50

Time-->



#21

trans-1,2-Dichloroethene

Concen: 1.144 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

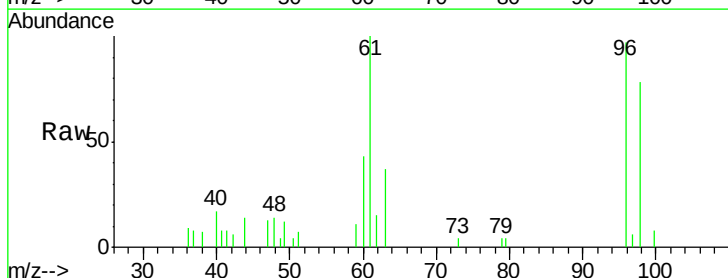
Tgt Ion: 96 Resp: 2130

Ion Ratio Lower Upper

96 100

61 103.1 92.8 139.2

98 80.7 51.2 76.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2000

1500

1000

500

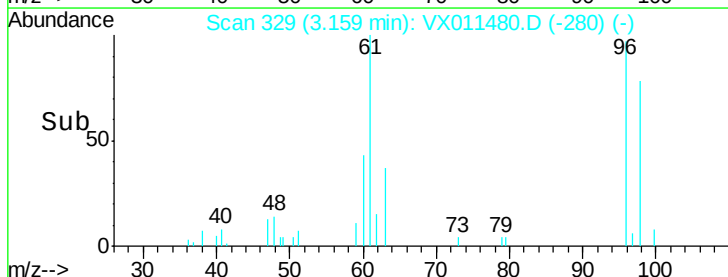
0

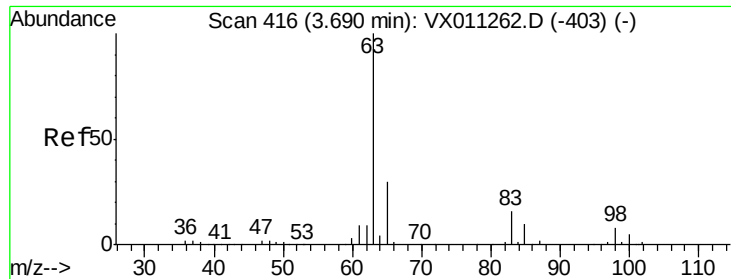
3.10

3.15

3.20

Time-->





#24

1,1-Dichloroethane

Concen: 26.425 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819

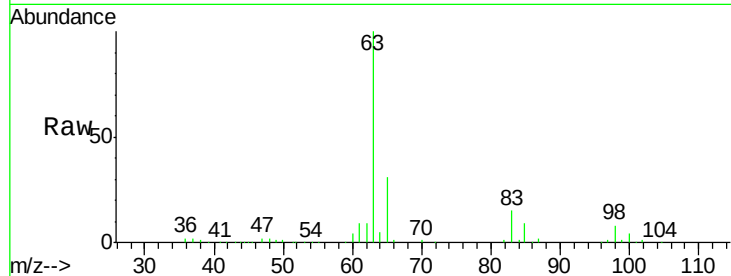
Tot Ion: 63 Resp: 80384

Ion Ratio Lower Upper

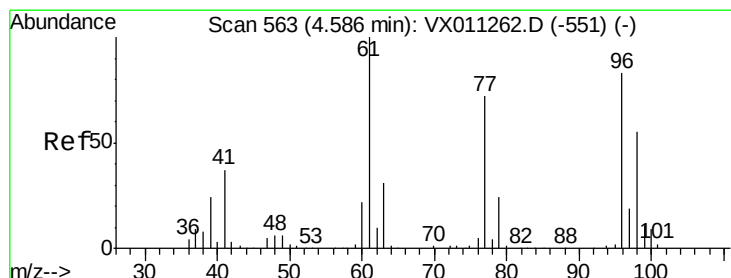
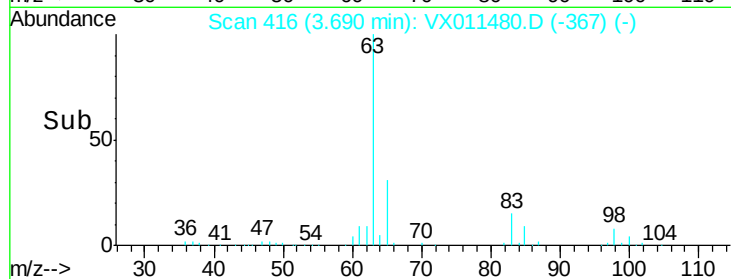
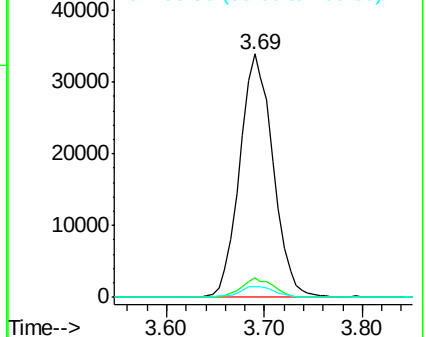
63 100

98 8.1 3.9 11.5

100 4.3 2.7 8.1



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 327.043 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

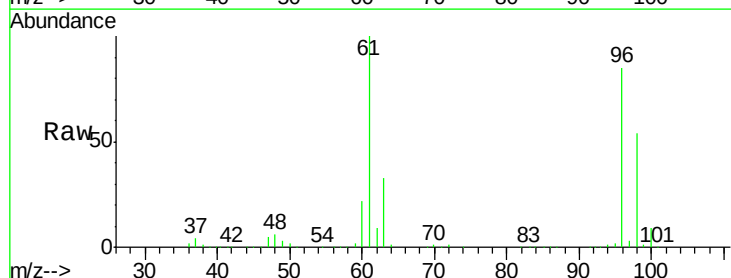
Tgt Ion: 96 Resp: 701612

Ion Ratio Lower Upper

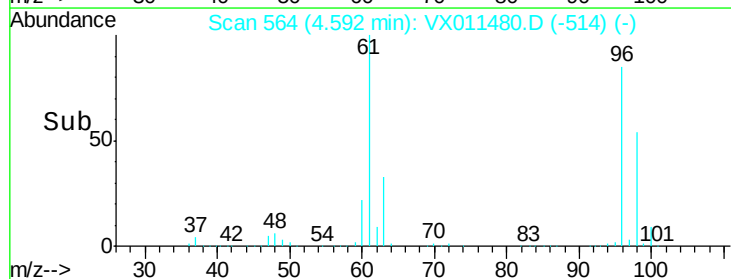
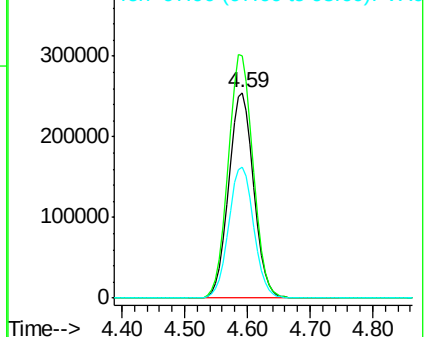
96 100

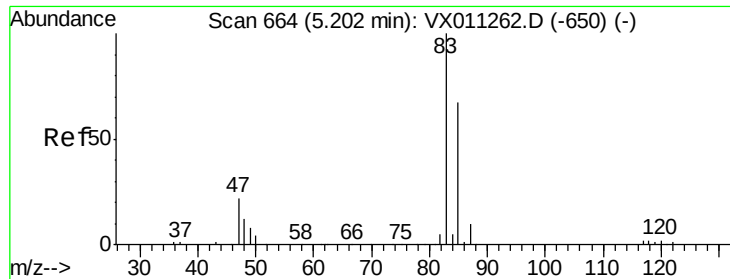
61 118.6 0.0 260.2

98 64.3 0.0 133.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

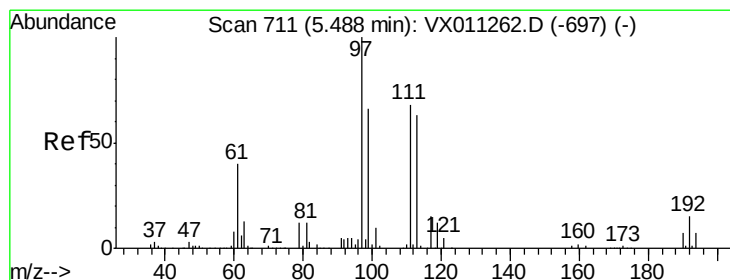
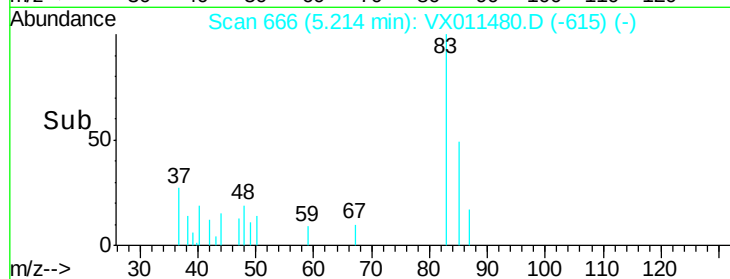
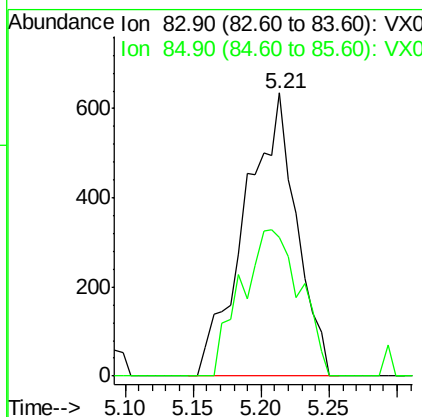
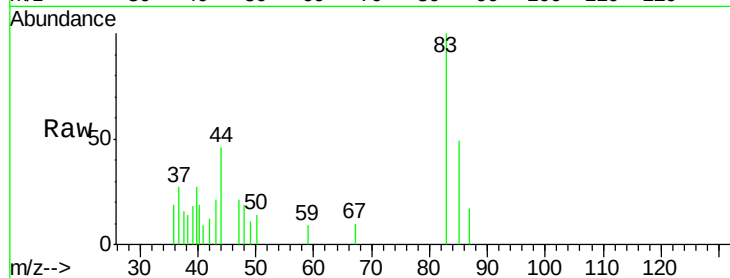




#30
 Chloroform
 Concen: 0.507 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

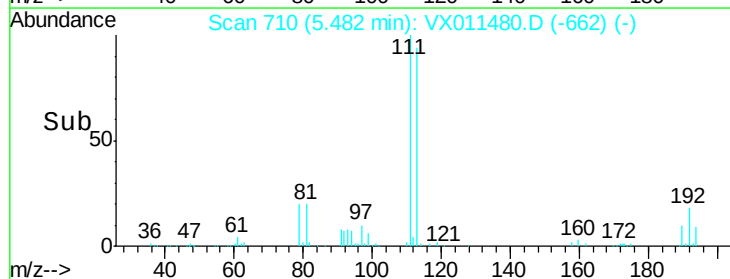
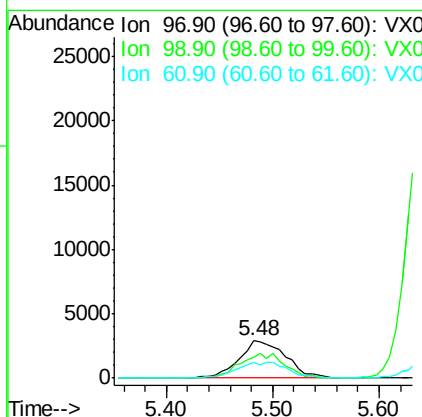
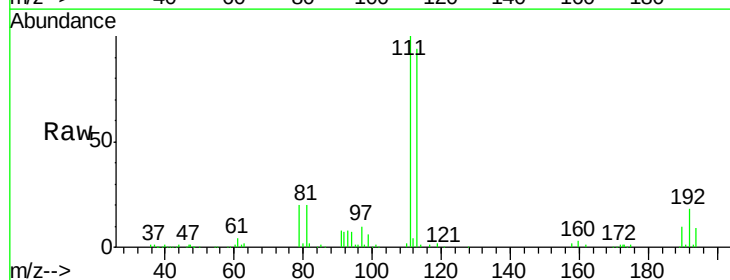
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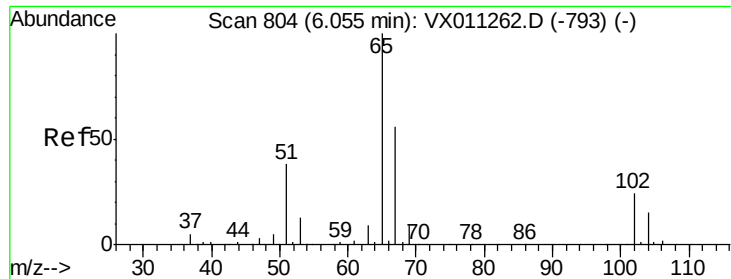
Tot Ion: 83 Resp: 1676
 Ion Ratio Lower Upper
 83 100
 85 49.1 53.4 80.0#



#32
 1,1,1-Trichloroethane
 Concen: 3.147 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

Tgt Ion: 97 Resp: 8913
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.6 77.4
 61 23.4 32.3 48.5#

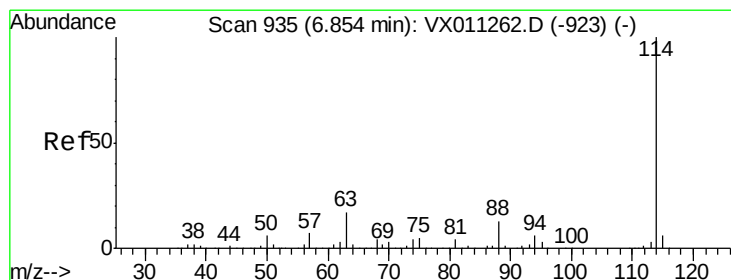
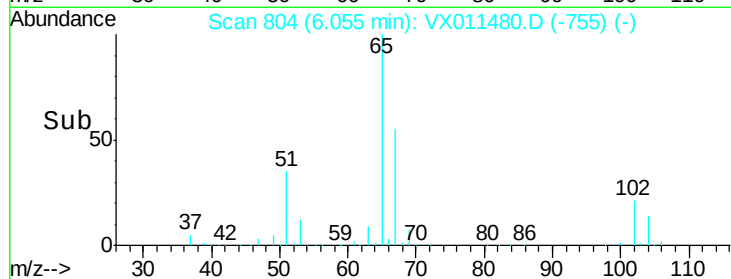
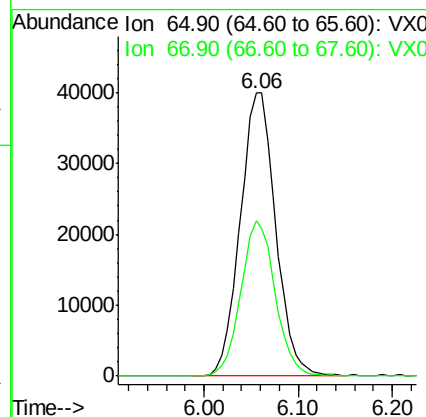
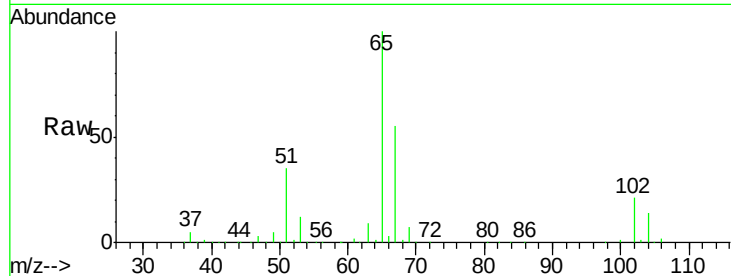




#33
 1,2-Dichloroethane-d4
 Concen: 54.016 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

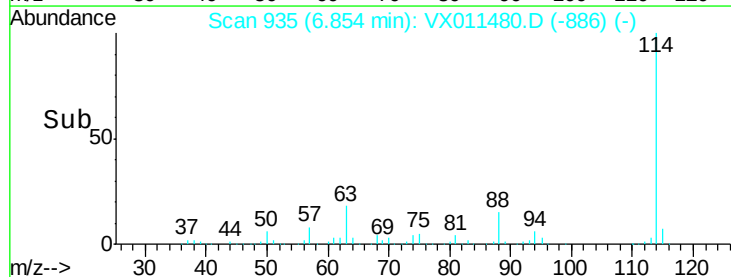
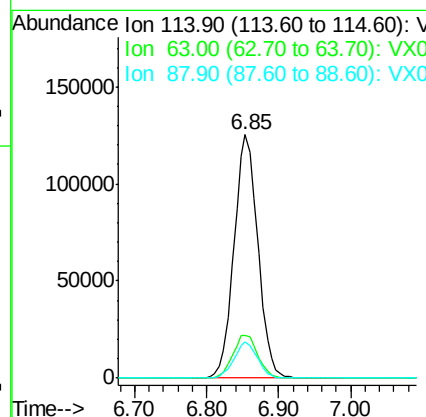
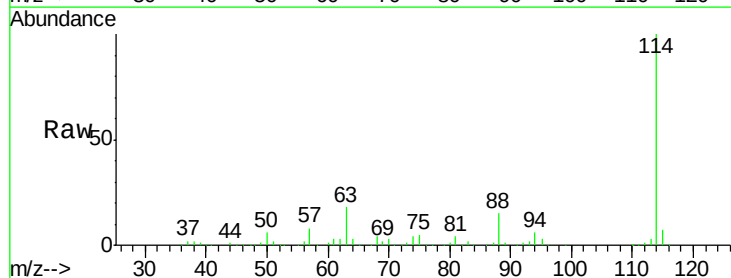
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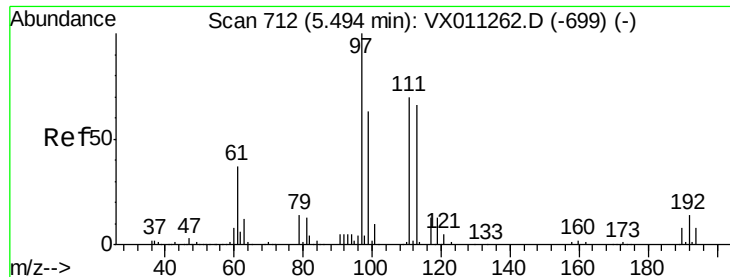
Tot Ion: 65 Resp: 105270
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

Tgt Ion: 114 Resp: 289145
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 14.9 0.0 26.4

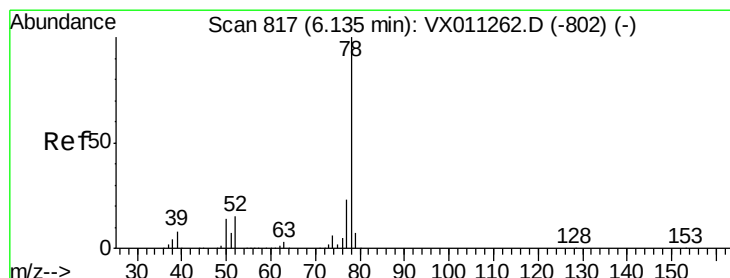
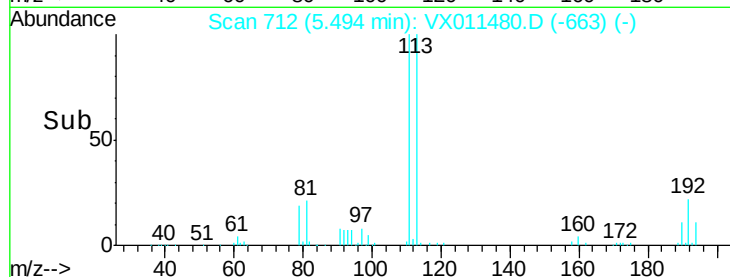
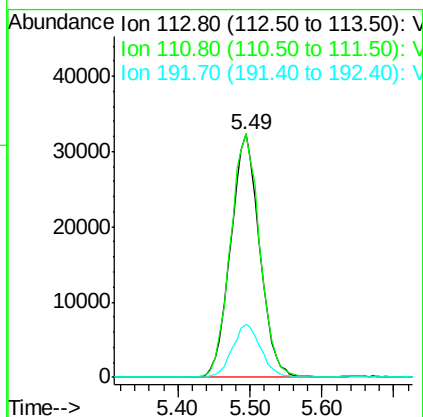
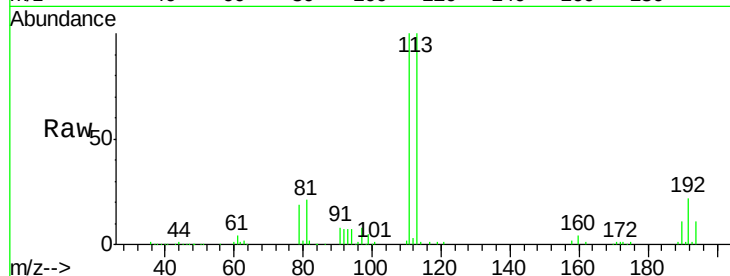




#35
 Dibromofluoromethane
 Concen: 47.706 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

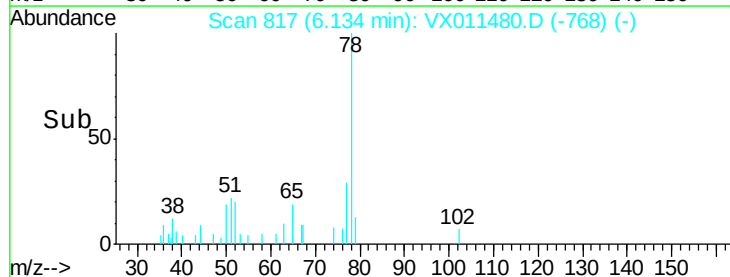
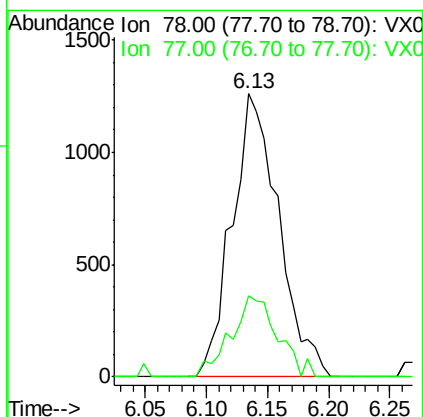
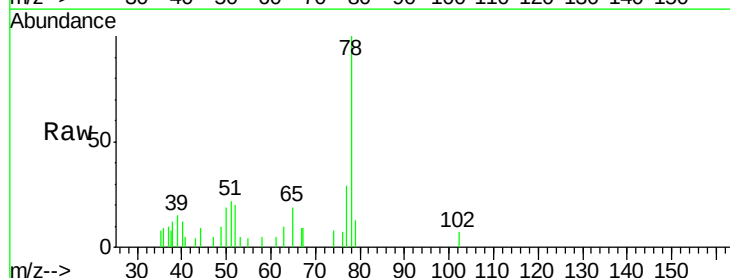
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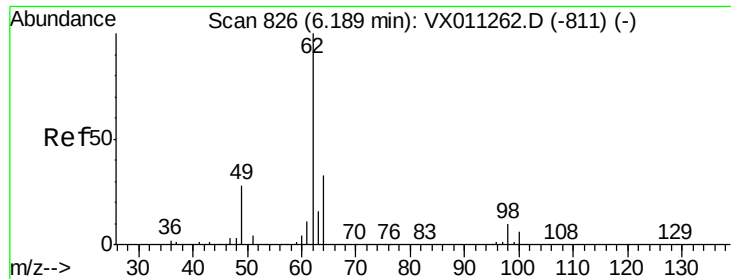
Tot Ion:113 Resp: 90058
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 21.3 17.8 26.8



#40
 Benzene
 Concen: 0.443 ug/l
 RT: 6.13 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

Tgt Ion: 78 Resp: 3339
 Ion Ratio Lower Upper
 78 100
 77 28.6 18.2 27.2#

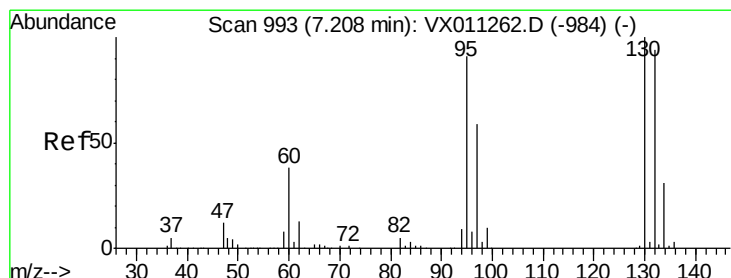
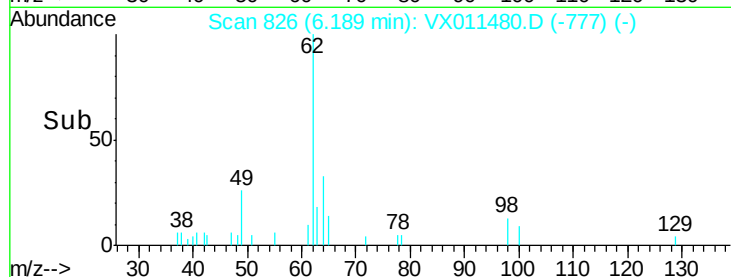
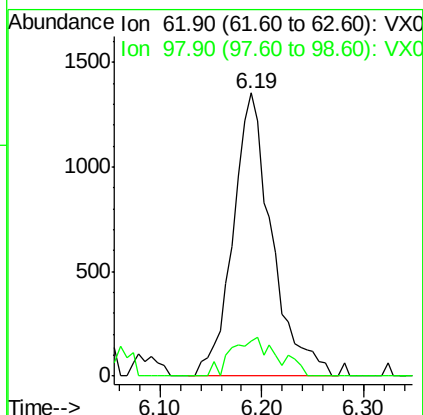
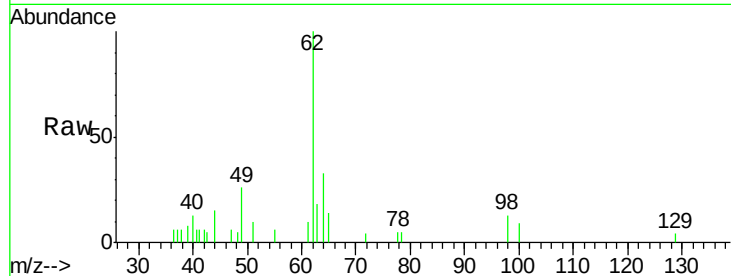




#42
 1,2-Dichloroethane
 Concen: 1.399 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

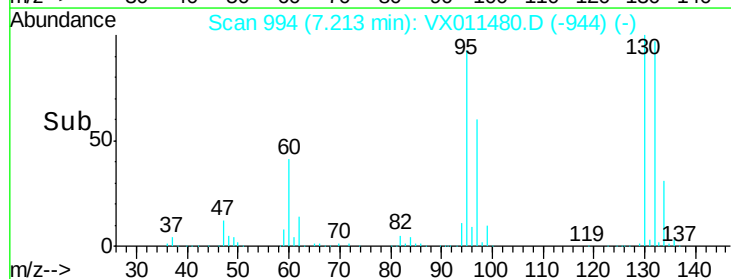
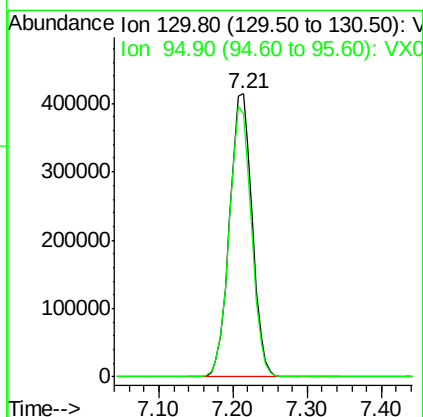
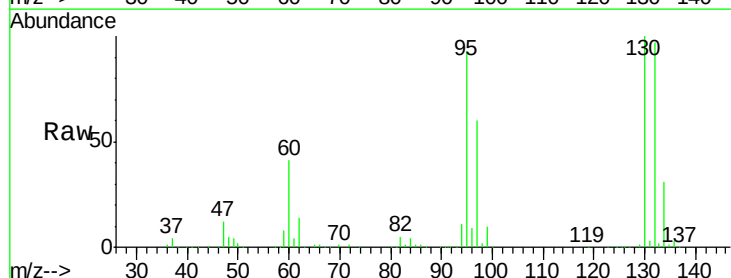
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20B_080819

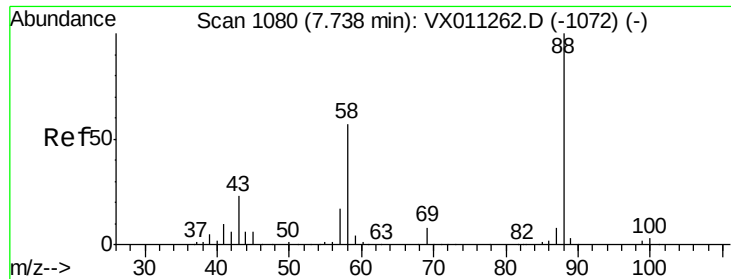
Tot Ion: 62 Resp: 3565
 Ion Ratio Lower Upper
 62 100
 98 13.9 0.0 20.6



#44
 Trichloroethene
 Concen: 387.015 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

Tgt Ion:130 Resp: 882485
 Ion Ratio Lower Upper
 130 100
 95 92.8 0.0 182.6

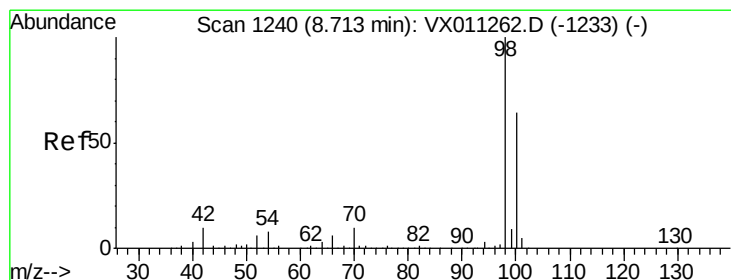
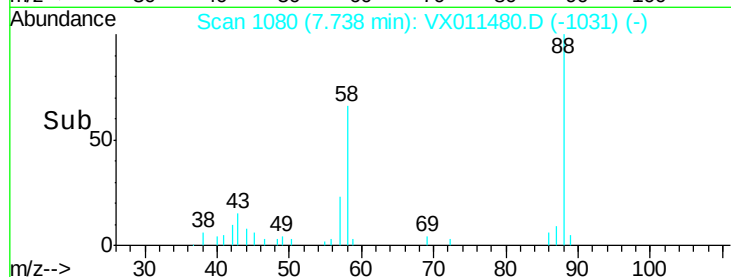
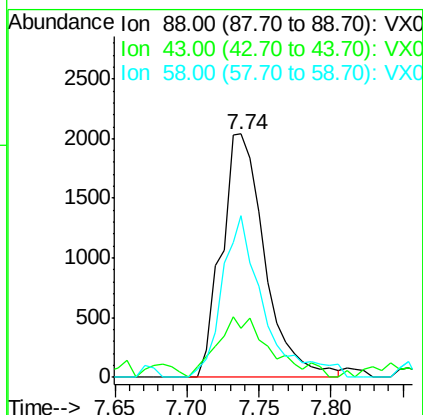
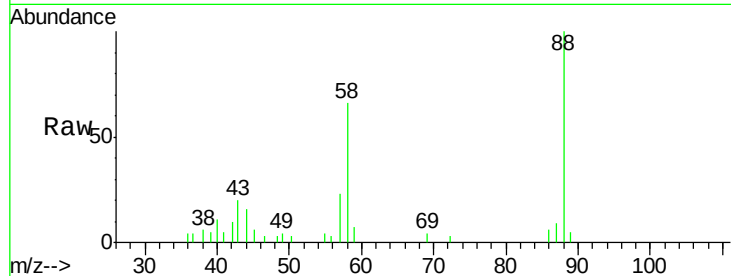




#49
1,4-Dioxane
Concen: 77.377 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011480.D
Acq: 12 Aug 2019 13:55

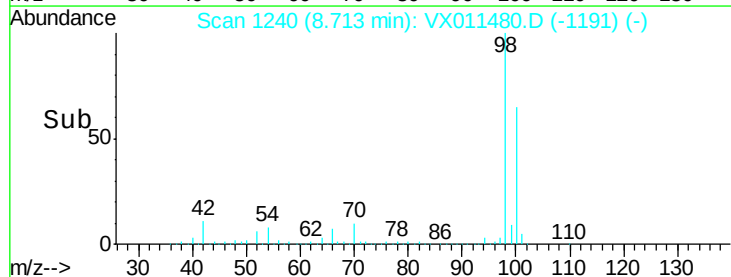
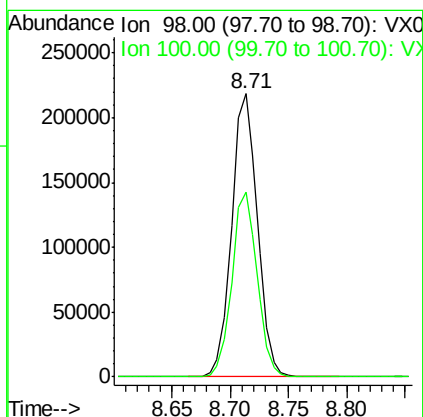
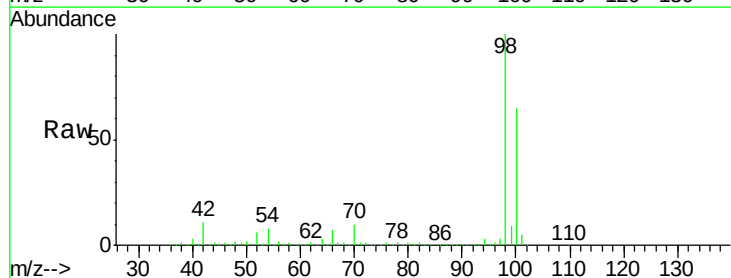
Instrument :
MSVOA_X
ClientSampleId :
MW-20B_080819

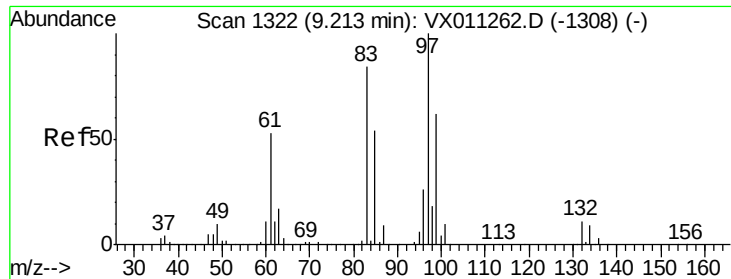
Tot Ion: 88 Resp: 4274
Ion Ratio Lower Upper
88 100
43 31.0 22.2 33.2
58 63.5 47.8 71.8



#50
Toluene-d8
Concen: 47.159 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011480.D
Acq: 12 Aug 2019 13:55

Tgt Ion: 98 Resp: 336040
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5





#55

1,1,2-Trichloroethane

Concen: 1.021 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819

Tot Ion: 97 Resp: 2091

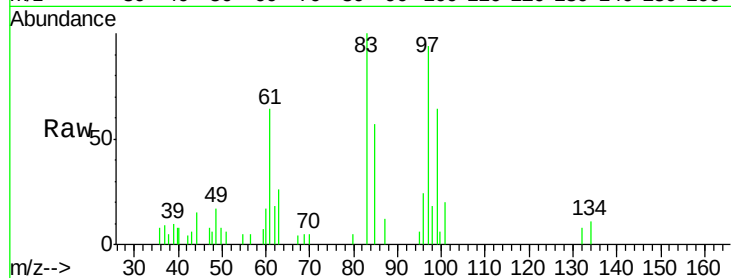
Ion Ratio Lower Upper

97 100

83 106.9 67.6 101.4#

85 61.4 43.4 65.0

99 68.4 49.6 74.4

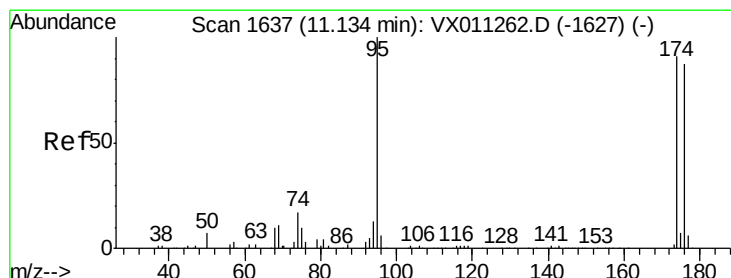
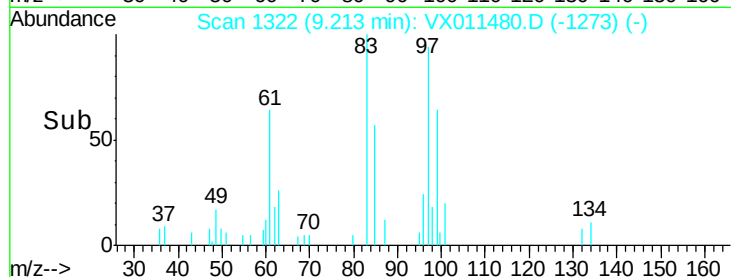
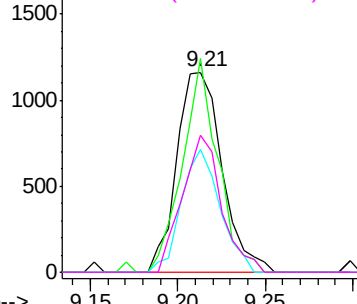


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#62

4-Bromofluorobenzene

Concen: 42.633 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011480.D

Acq: 12 Aug 2019 13:55

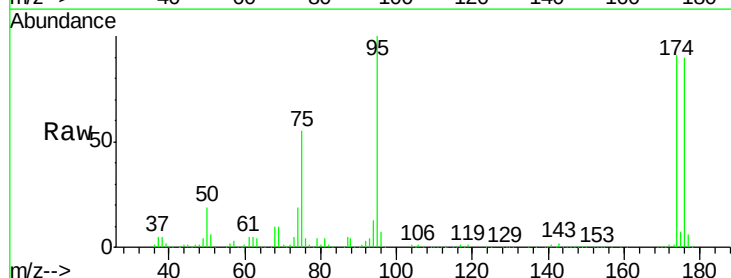
Tgt Ion: 95 Resp: 108461

Ion Ratio Lower Upper

95 100

174 92.0 0.0 191.2

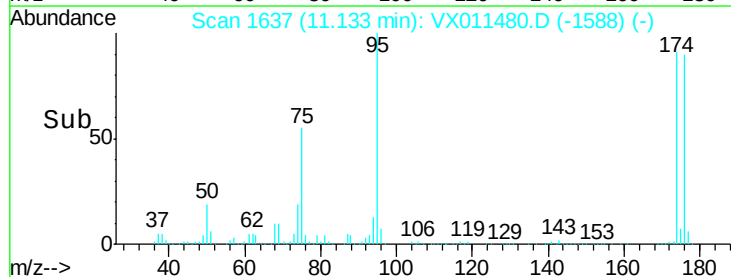
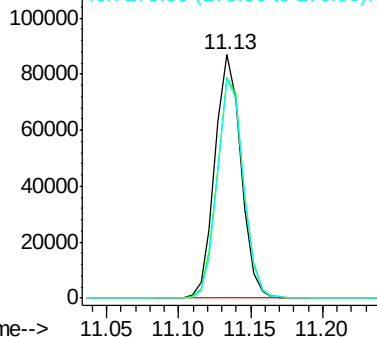
176 89.7 0.0 184.8

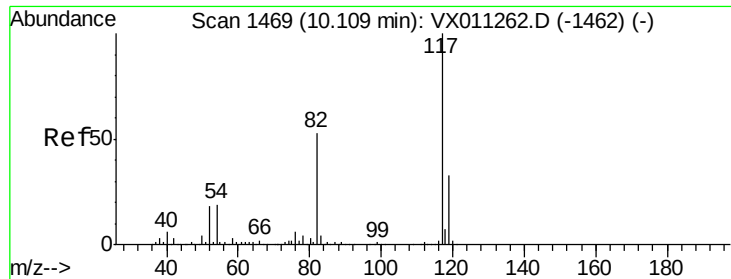


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

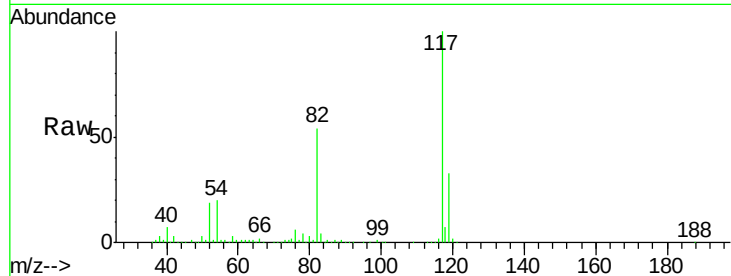




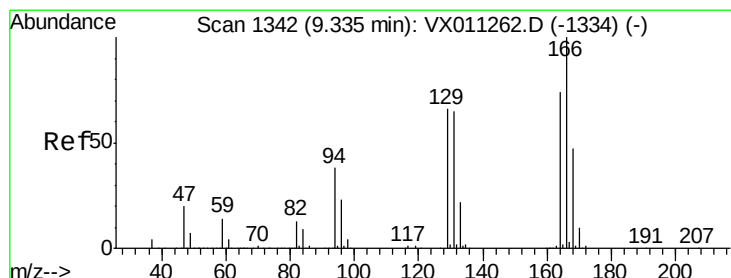
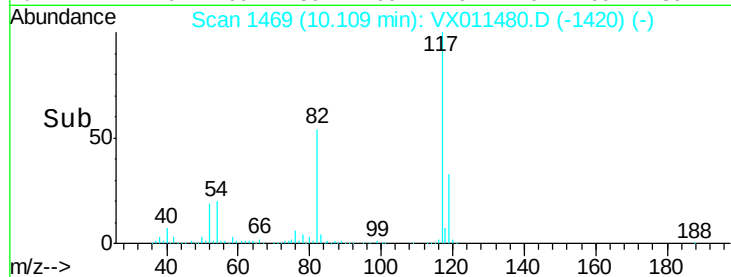
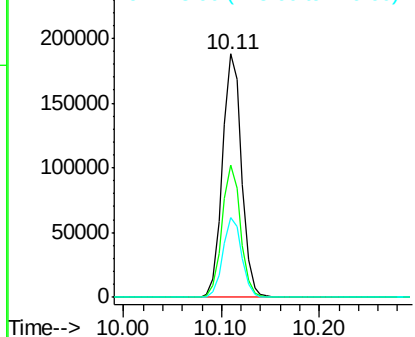
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011480.D
Acq: 12 Aug 2019 13:55

Instrument :
MSVOA_X
ClientSampleId :
MW-20B_080819

Tot Ion:117 Resp: 254467
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.2
119 33.0 26.6 39.8

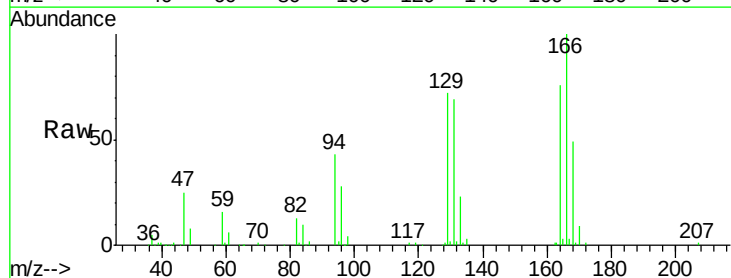


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

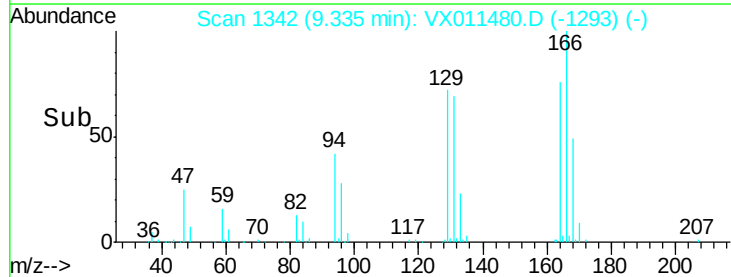
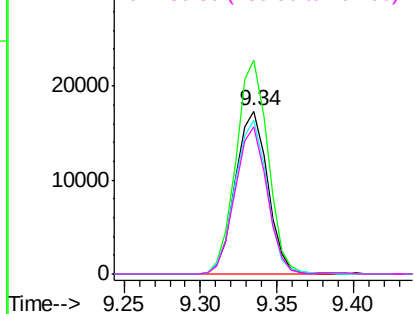


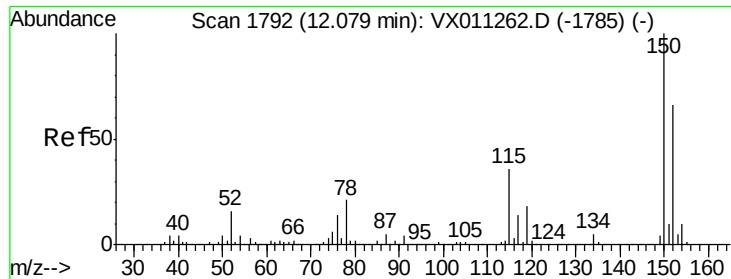
#64
Tetrachloroethene
Concen: 11.824 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011480.D
Acq: 12 Aug 2019 13:55

Tgt Ion:164 Resp: 25552
Ion Ratio Lower Upper
164 100
166 131.3 107.5 161.3
129 94.4 71.0 106.4
131 90.8 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

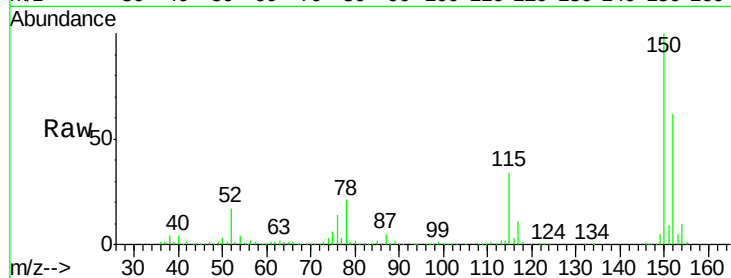




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX011480.D
 Acq: 12 Aug 2019 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20B_080819

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	40.0	119.9
150	157.1	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

