

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX042919\
 Data File : VX009228.D
 Acq On : 29 Apr 2019 23:22
 Operator : JC/SP
 Sample : K2594-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423

Quant Time: Apr 30 07:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132193	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	140099	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	5.50	113	103112	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.71	98	429796	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.13	95	145171	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

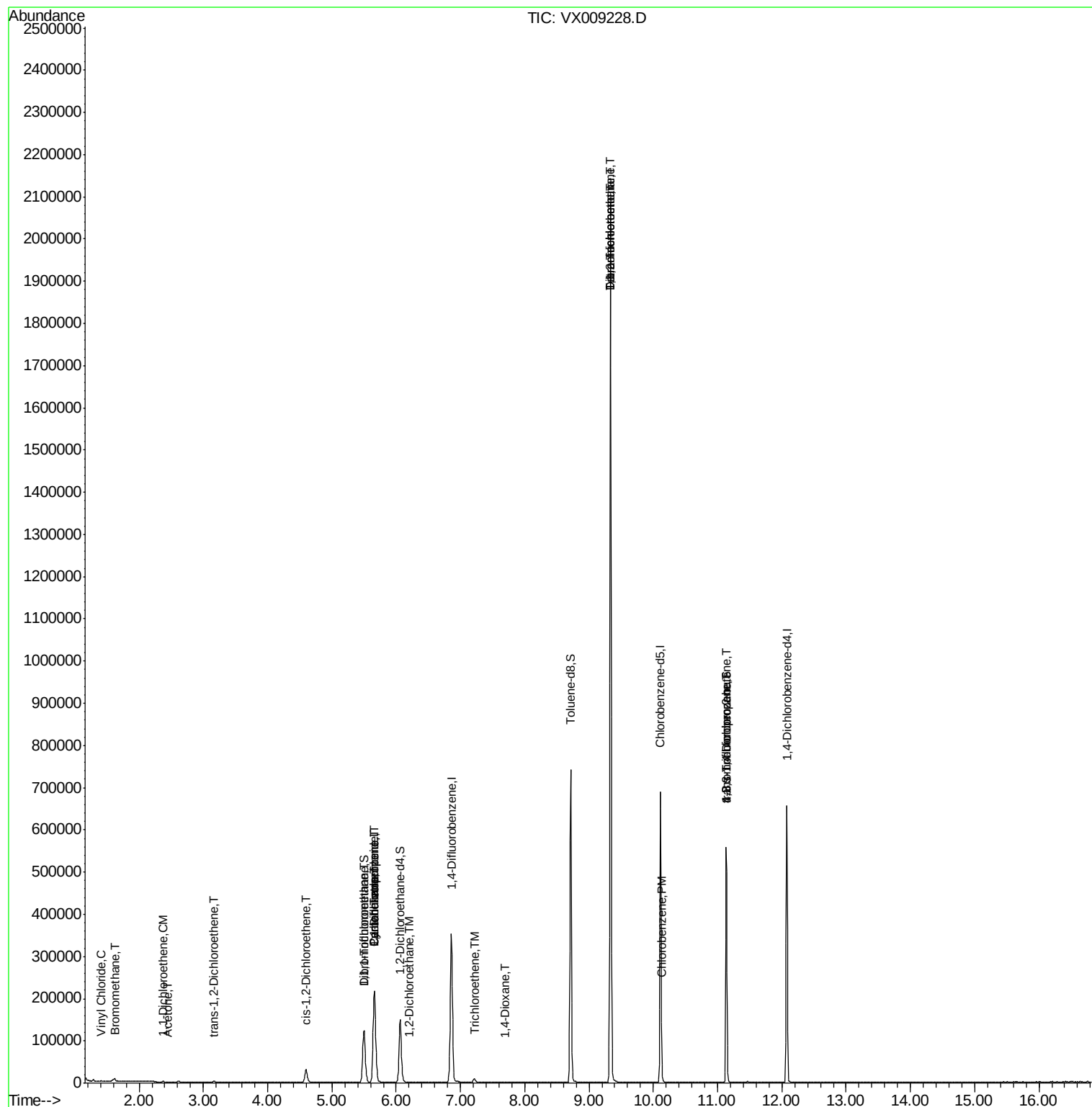
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1110	0.421	ug/l	97
5) Bromomethane	1.64	94	341	0.216	ug/l #	55
12) 1,1-Dichloroethene	2.37	96	826	0.410	ug/l	97
16) Acetone	2.44	43	800	0.508	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	978	0.448	ug/l	81
27) cis-1,2-Dichloroethene	4.60	96	18262	7.004	ug/l	91
28) Bromochloromethane	5.00	49	77	Below Cal	#	20
31) Cyclohexane	5.65	56	4693	1.083	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	2576	0.735	ug/l #	49
36) 1,1-Dichloropropene	5.66	75	16662	5.196	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19888	6.826	ug/l #	16
42) 1,2-Dichloroethane	6.20	62	836	0.235	ug/l	90
44) Trichloroethene	7.21	130	3361	1.401	ug/l	94
49) 1,4-Dioxane	7.70	88	22	0.306	ug/l #	1
55) 1,1,2-Trichloroethane	9.33	97	3348	1.360	ug/l #	7
60) Dibromochloromethane	9.34	129	374953	155.987	ug/l #	11
64) Tetrachloroethene	9.34	164	406575	195.369	ug/l	99
65) Chlorobenzene	10.13	112	1294	0.213	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	74544	24.310	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74544	62.200	ug/l #	10

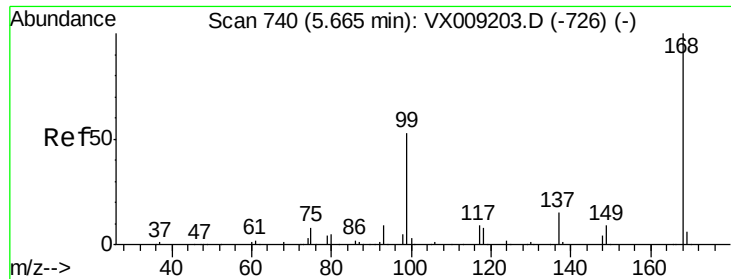
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 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: VX009228.D

Acq: 29 Apr 2019 23:22

Instrument :

MSVOA_X

ClientSampleId :

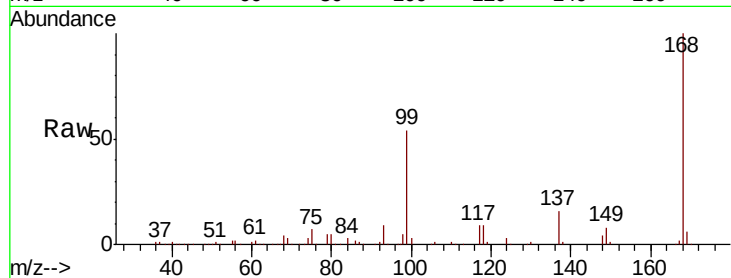
WP021MW352-190423

Tgt Ion:168 Resp: 214667

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

80000

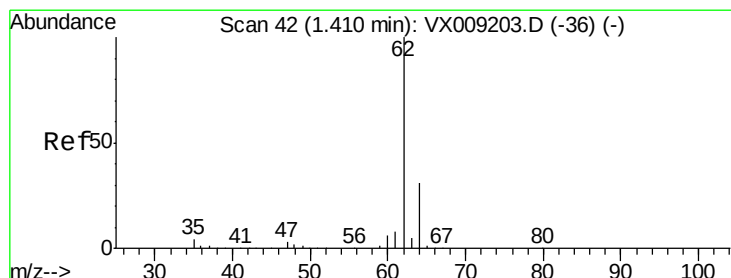
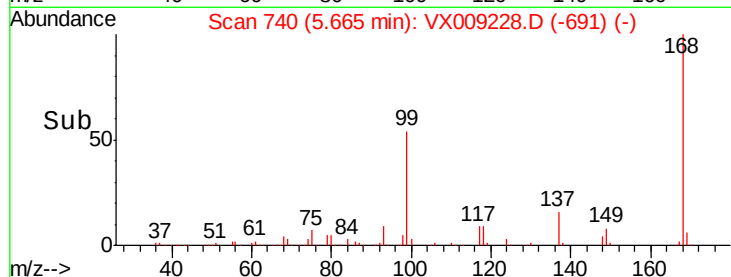
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.421 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009228.D

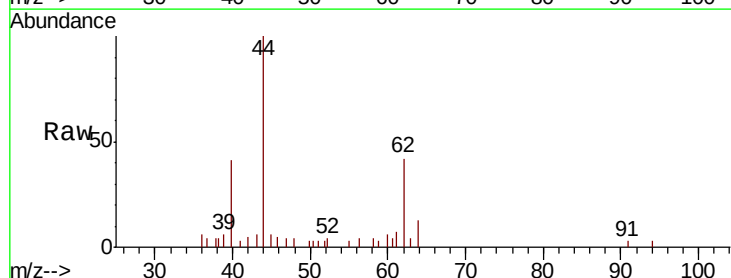
Acq: 29 Apr 2019 23:22

Tgt Ion: 62 Resp: 1110

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

1000

800

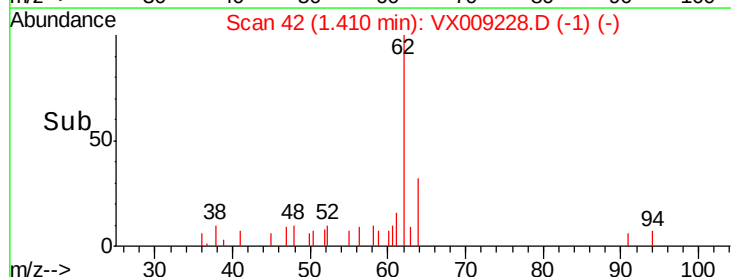
600

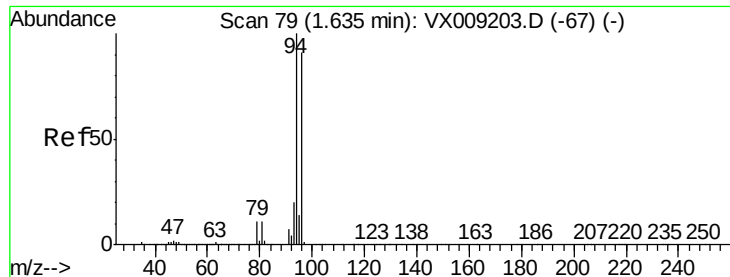
400

200

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

Instrument :

MSVOA_X

ClientSampleId :

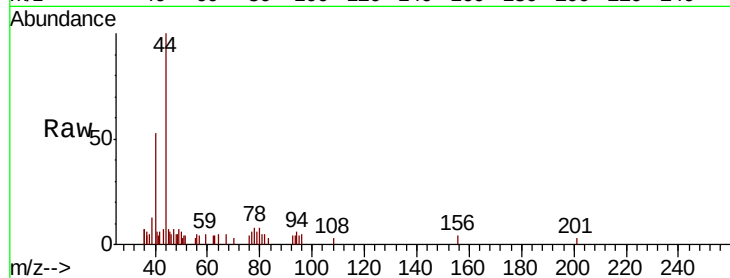
WP021MW352-190423

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 48.3 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

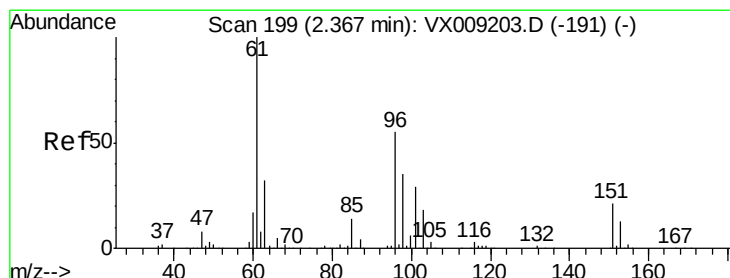
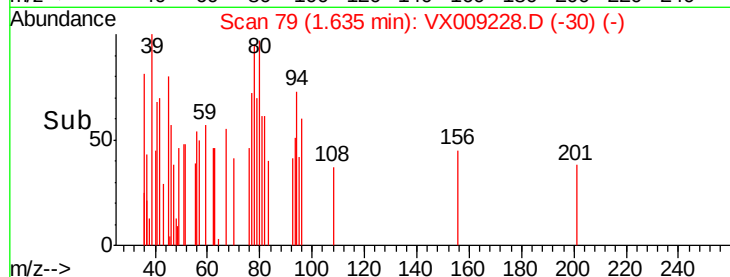
100

50

0

1.60 1.65 1.70

Time-->



#12

1,1-Dichloroethene

Concen: 0.410 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

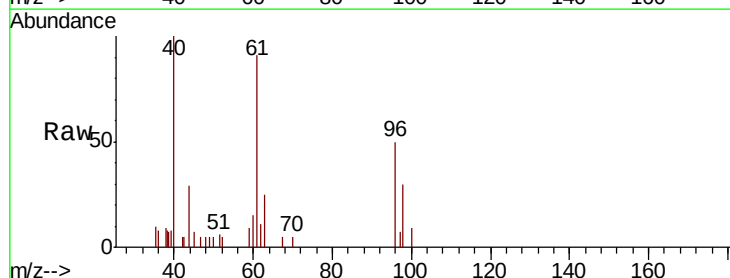
Tgt Ion: 96 Resp: 826

Ion Ratio Lower Upper

96 100

61 184.1 144.3 216.5

98 59.9 50.3 75.5



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

1200

1000

800

600

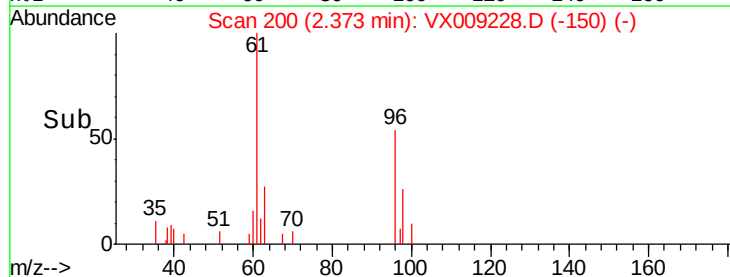
400

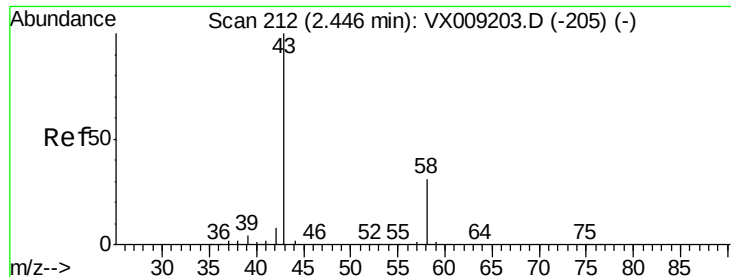
200

0

2.30 2.35 2.40

Time-->





#16

Acetone

Concen: 0.508 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

Instrument :

MSVOA_X

ClientSampleId :

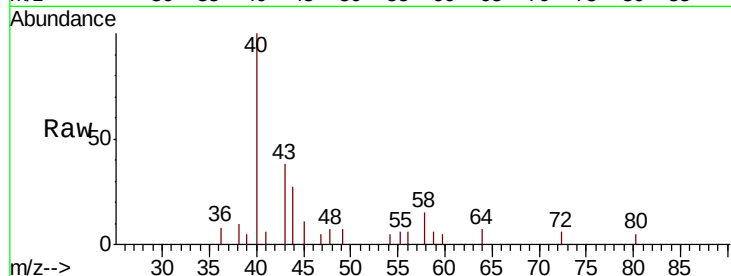
WP021MW352-190423

Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

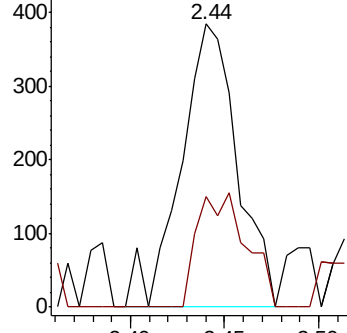
43 100

58 39.1 24.9 37.3#

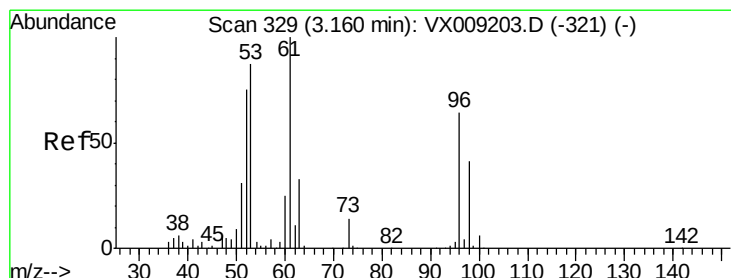
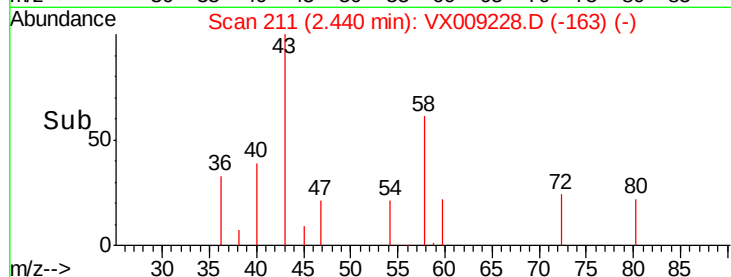


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.448 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

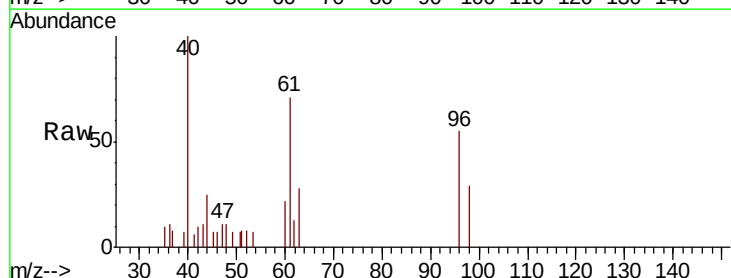
Tgt Ion: 96 Resp: 978

Ion Ratio Lower Upper

96 100

61 129.0 124.5 186.7

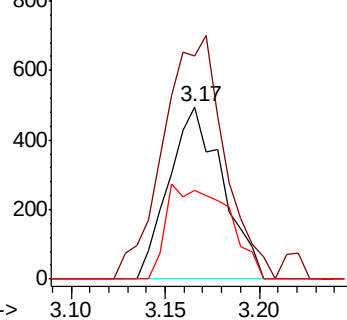
98 51.6 50.4 75.6



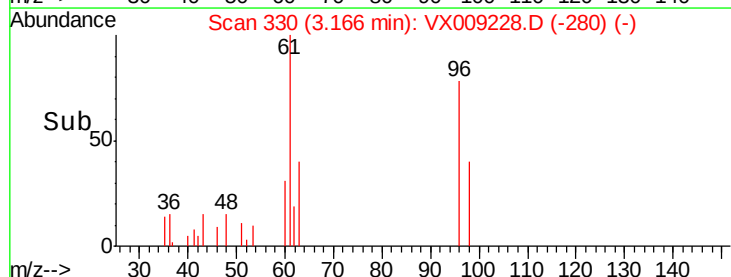
Abundance Ion 95.90 (95.60 to 96.60): VX0

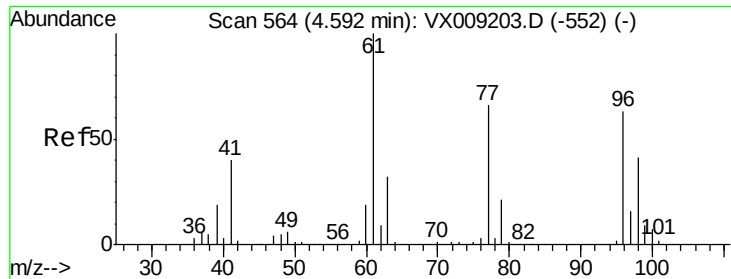
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



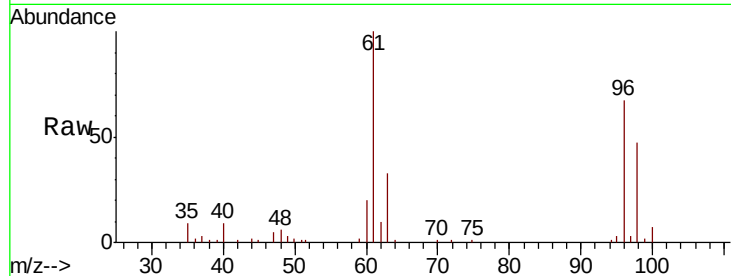


#27

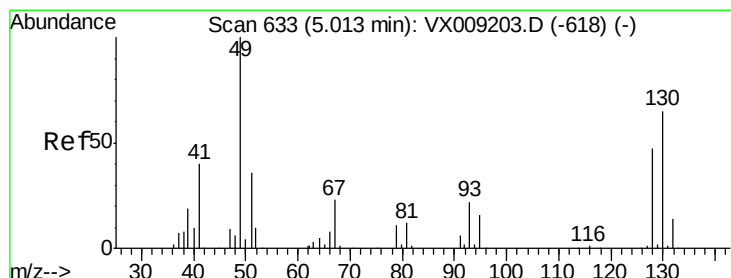
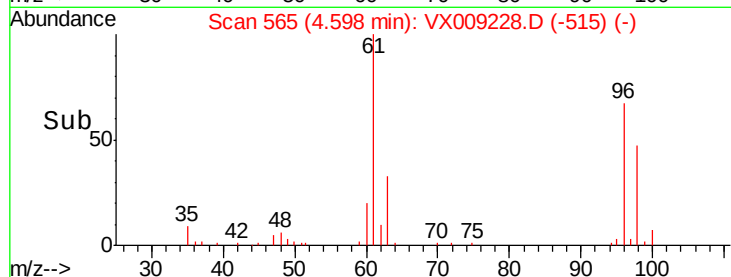
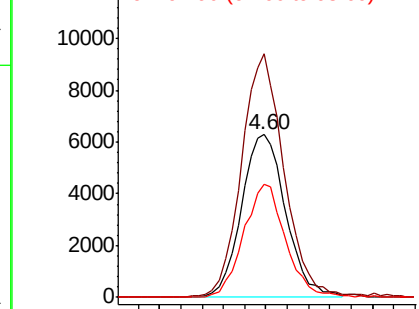
cis-1,2-Dichloroethene
 Concen: 7.004 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Instrument :
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 ClientSampleId :
 WP021MW352-190423

Tgt Ion: 96 Resp: 18262
 Ion Ratio Lower Upper
 96 100
 61 145.0 0.0 324.0
 98 66.2 0.0 130.4



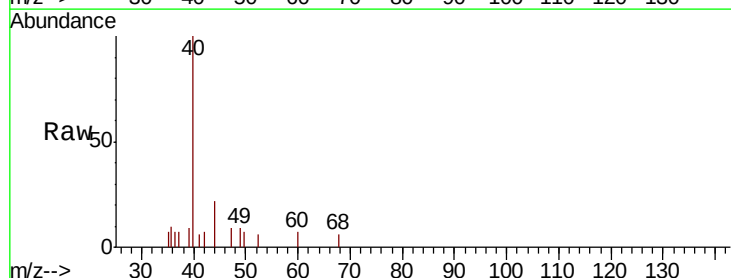
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



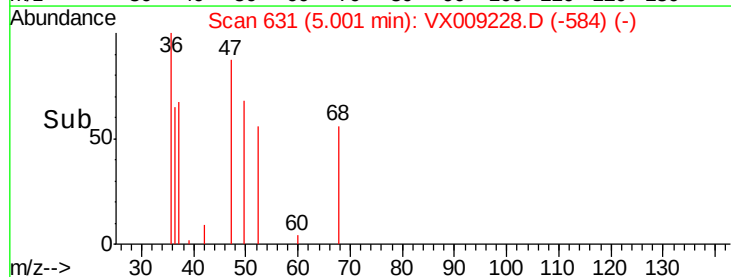
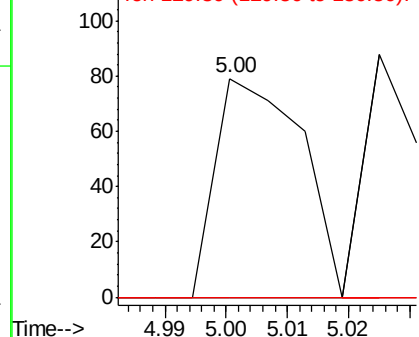
#28

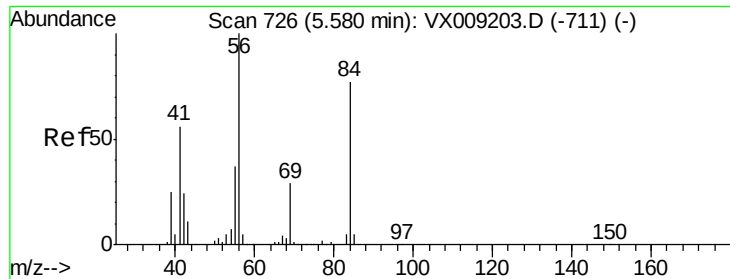
Bromochloromethane
 Concen: Below Cal
 RT: 5.00 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Tgt Ion: 49 Resp: 77
 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

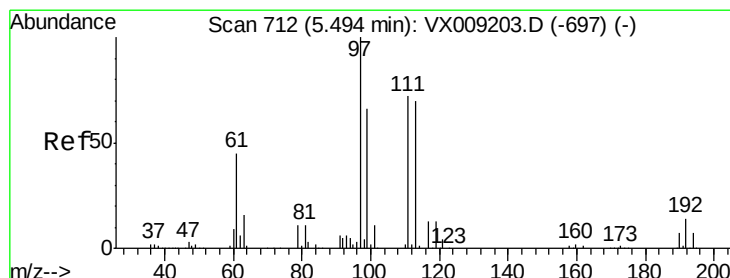
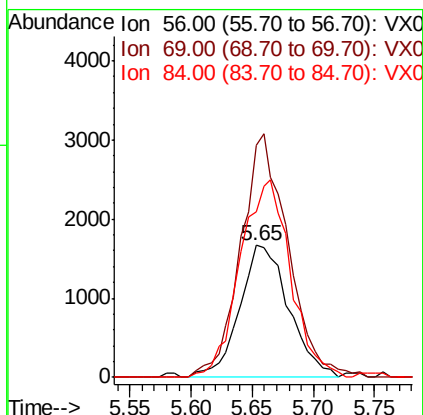
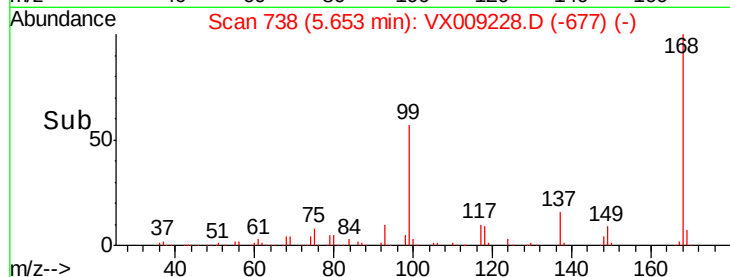
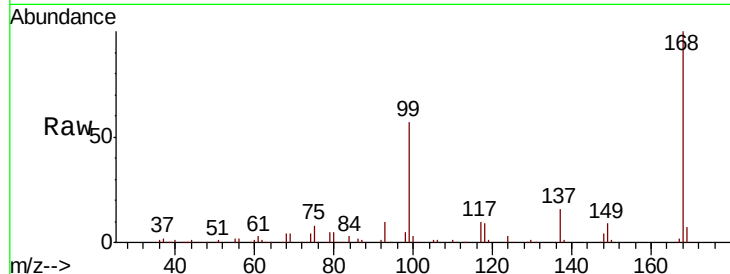




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009228.D
Acq: 29 Apr 2019 23:22

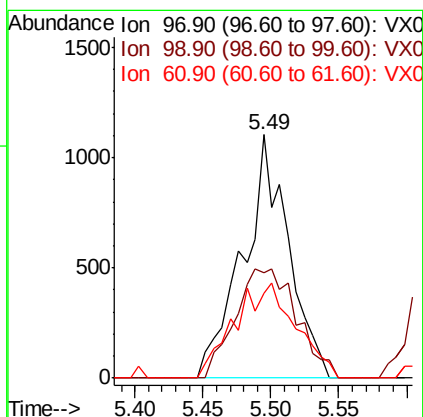
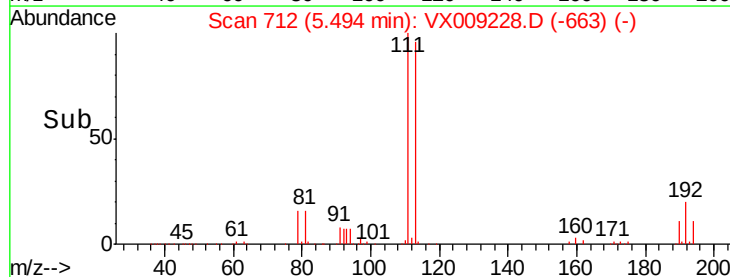
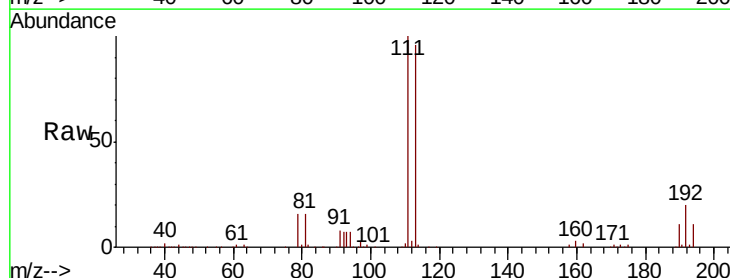
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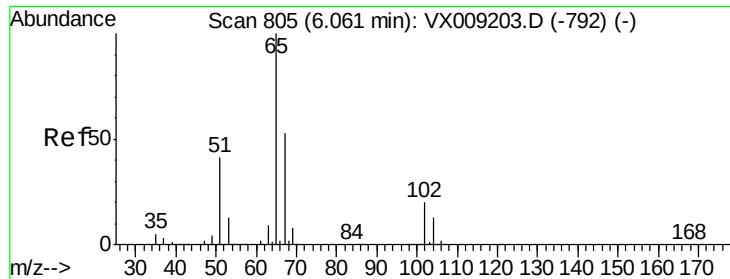
Tgt Ion: 56 Resp: 4693
Ion Ratio Lower Upper
56 100
69 175.2 23.4 35.0#
84 125.5 61.9 92.9#



#32
1,1,1-Trichloroethane
Concen: 0.735 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009228.D
Acq: 29 Apr 2019 23:22

Tgt Ion: 97 Resp: 2576
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.8#
61 52.9 37.8 56.8

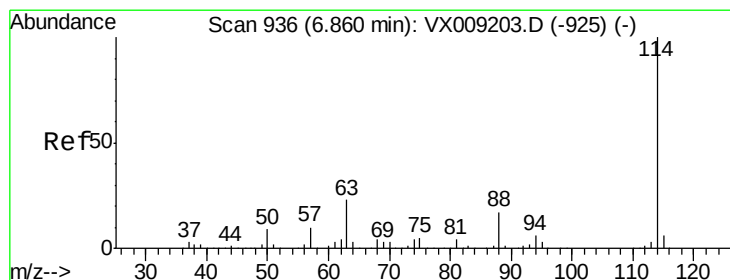
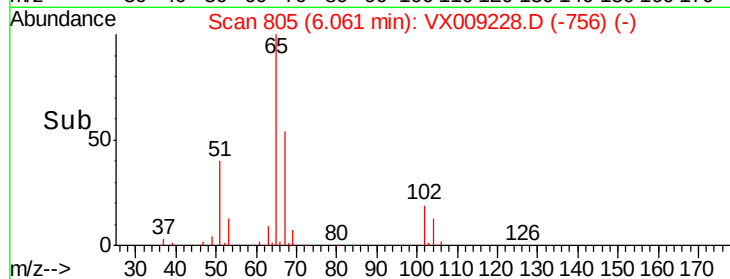
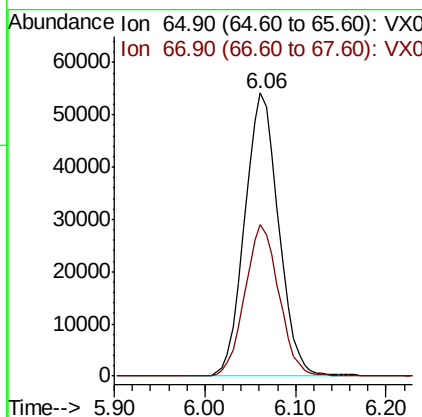
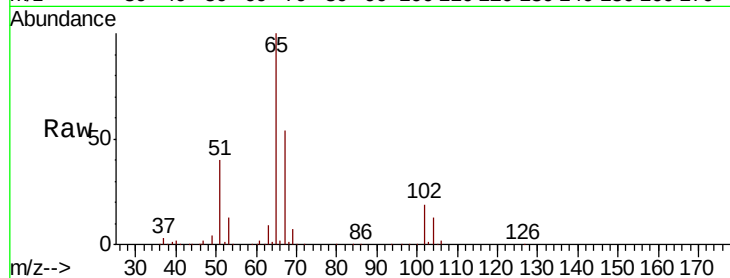




#33
 1,2-Dichloroethane-d4
 Concen: 47.808 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

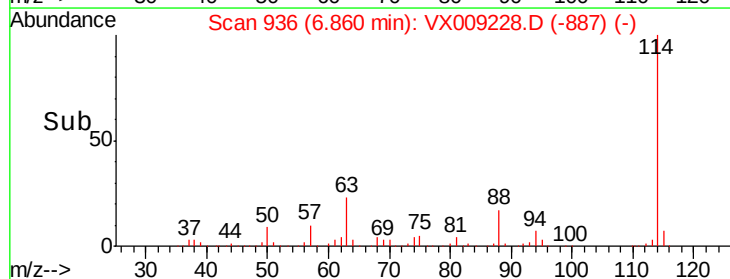
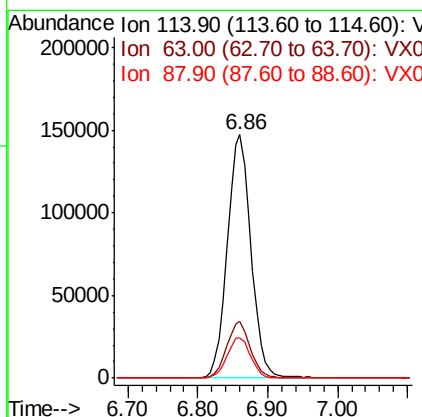
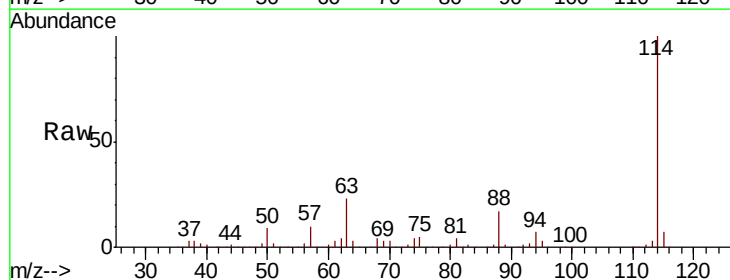
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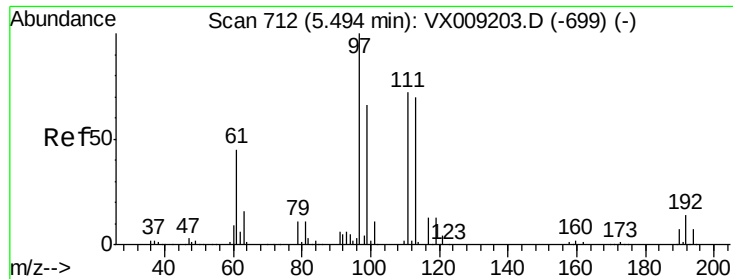
Tgt Ion: 65 Resp: 140099
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Tgt Ion: 114 Resp: 345057
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 16.6 0.0 33.2

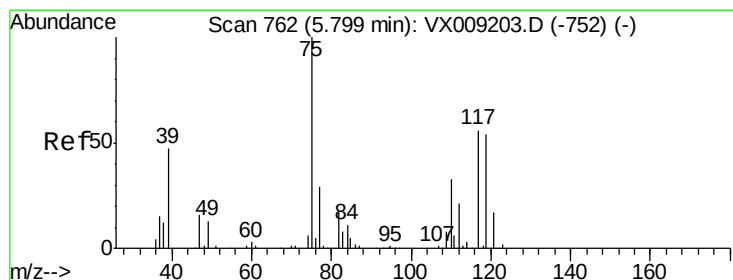
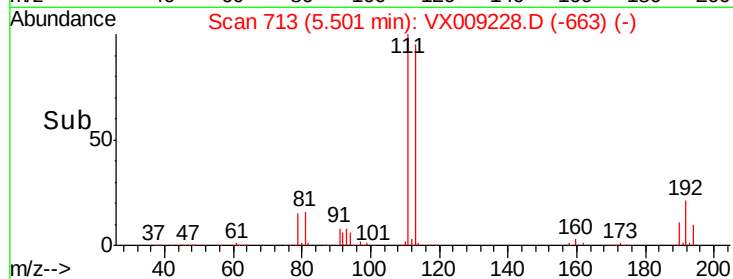
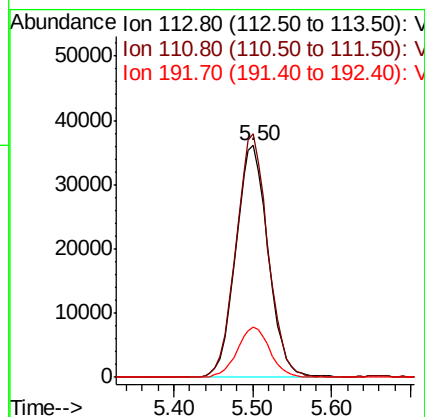
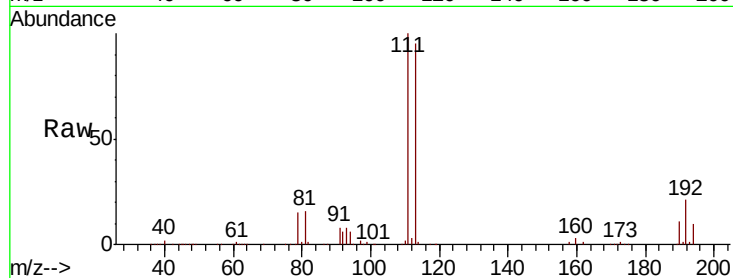




#35
 Dibromofluoromethane
 Concen: 47.535 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

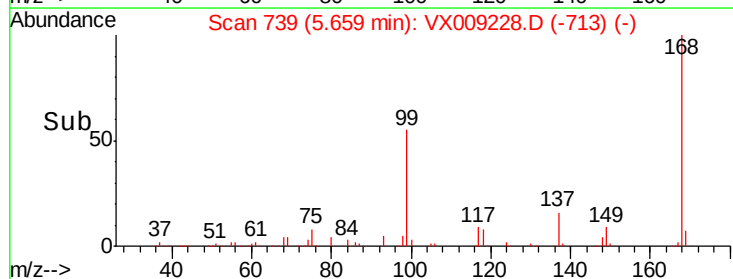
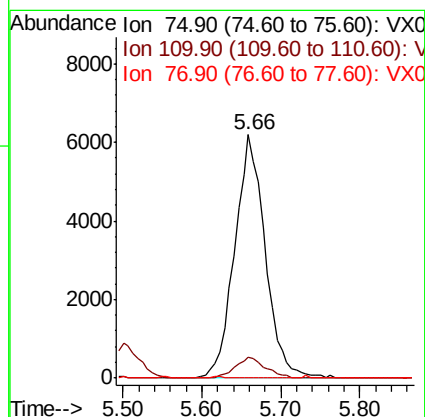
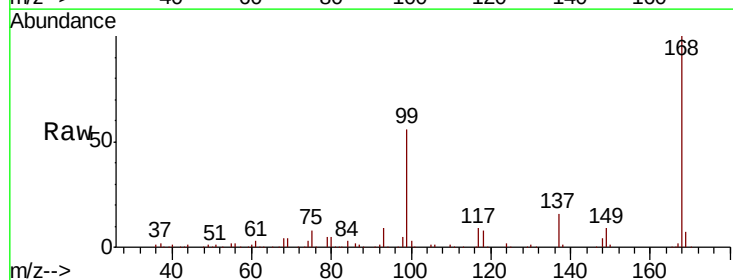
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423

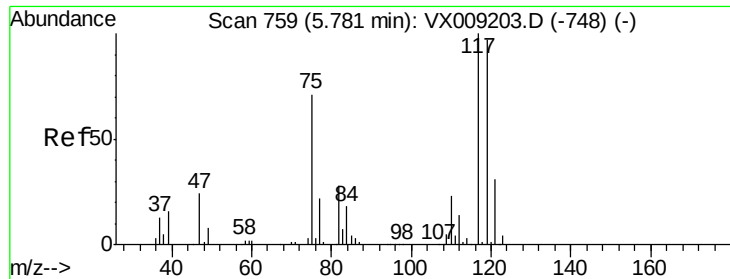
Tgt Ion:113 Resp: 103112
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Tgt Ion: 75 Resp: 16662
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.826 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-190423

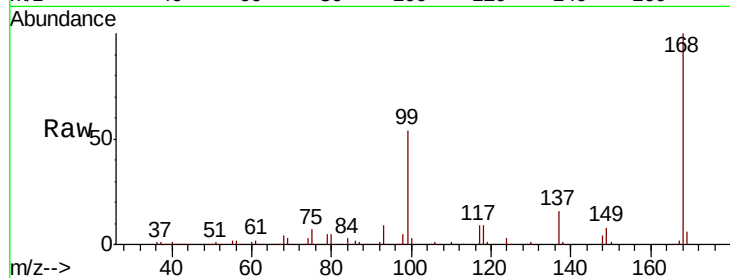
Tgt Ion:117 Resp: 19888

Ion Ratio Lower Upper

117 100

119 6.0 77.5 116.3#

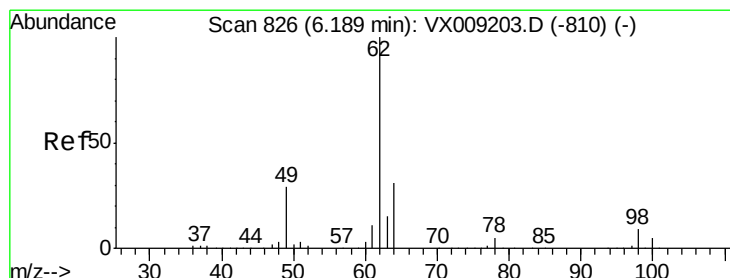
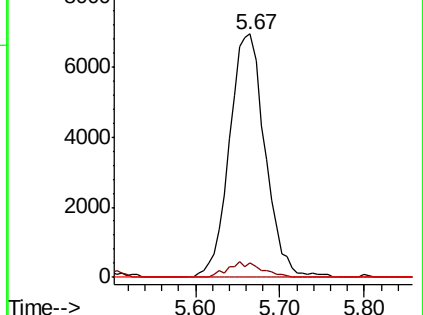
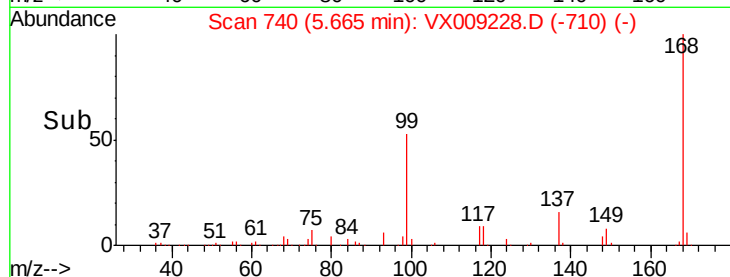
121 0.0 24.7 37.1#



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



#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX009228.D

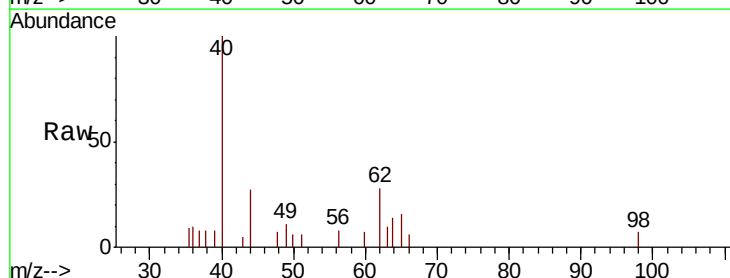
Acq: 29 Apr 2019 23:22

Tgt Ion: 62 Resp: 836

Ion Ratio Lower Upper

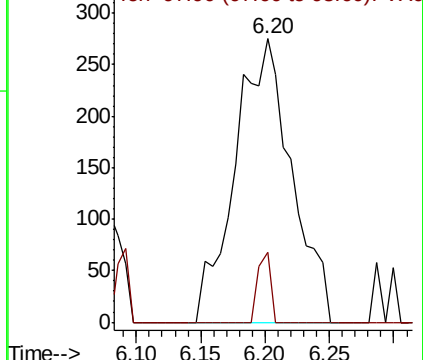
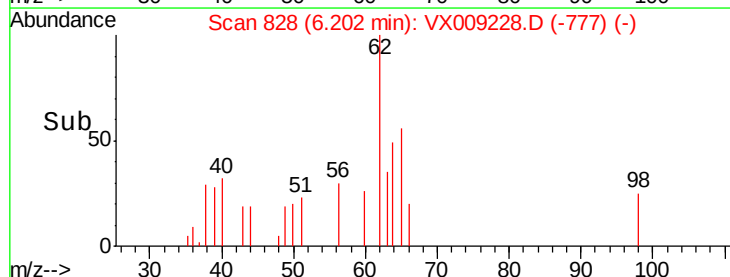
62 100

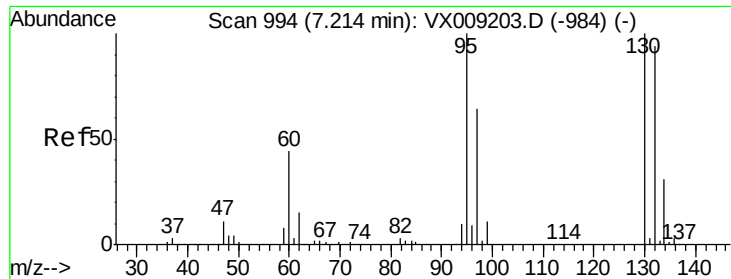
98 5.4 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

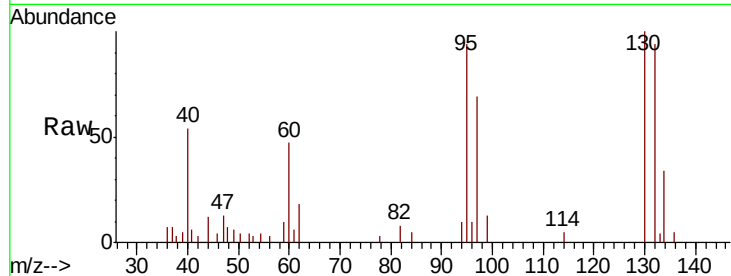




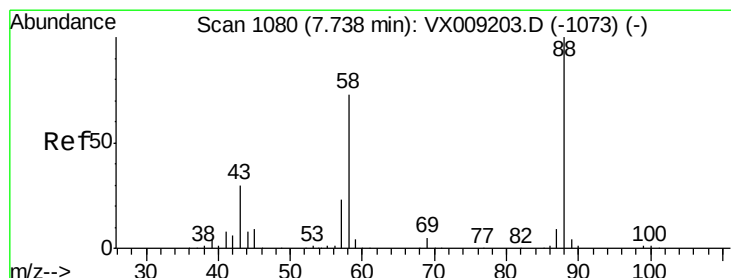
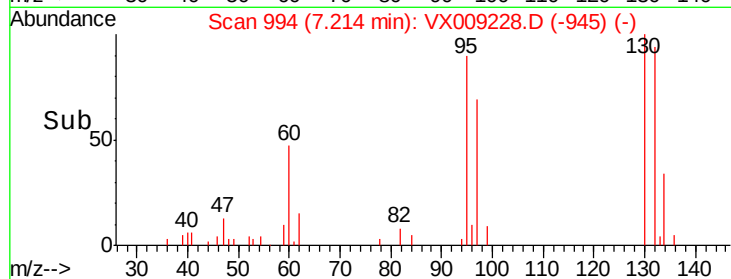
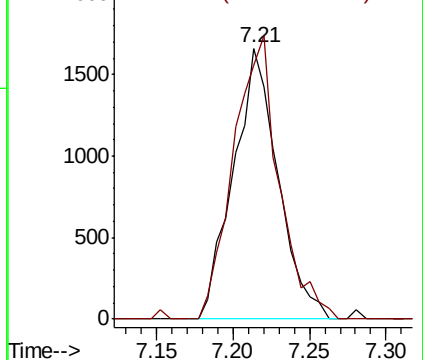
#44
 Trichloroethene
 Concen: 1.401 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423

Tgt Ion:130 Resp: 3361
 Ion Ratio Lower Upper
 130 100
 95 93.9 0.0 199.2

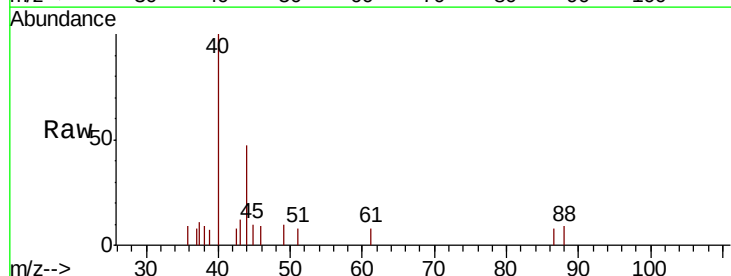


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

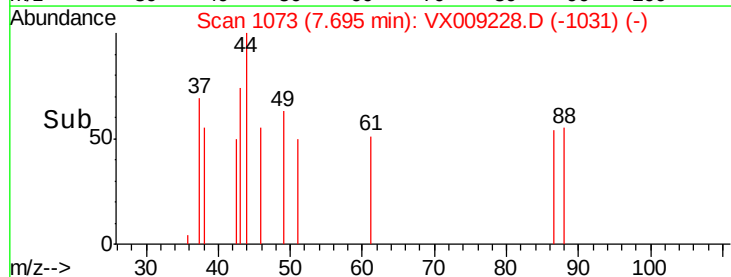
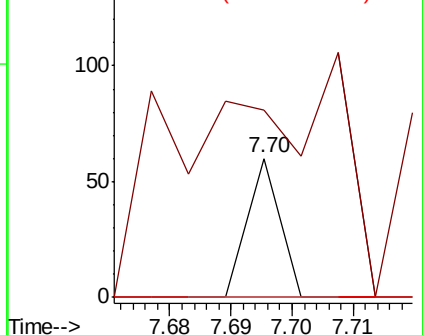


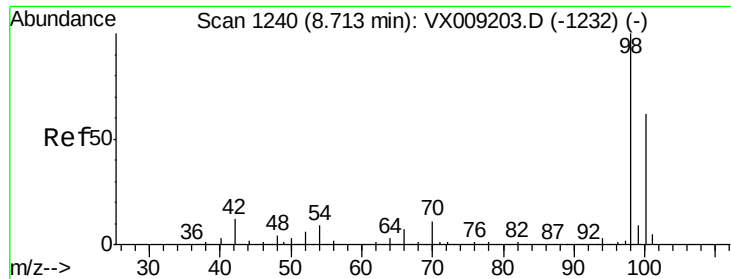
#49
 1,4-Dioxane
 Concen: 0.306 ug/l
 RT: 7.70 min Scan# 1073
 Delta R.T. -0.04 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 790.9 28.6 42.8#
 58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.078 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

Instrument :

MSVOA_X

ClientSampleId :

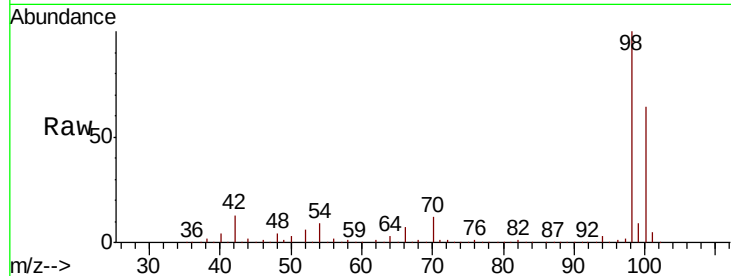
WP021MW352-190423

Tgt Ion: 98 Resp: 429796

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

150000

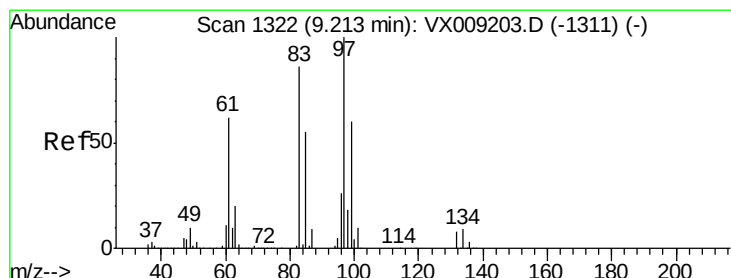
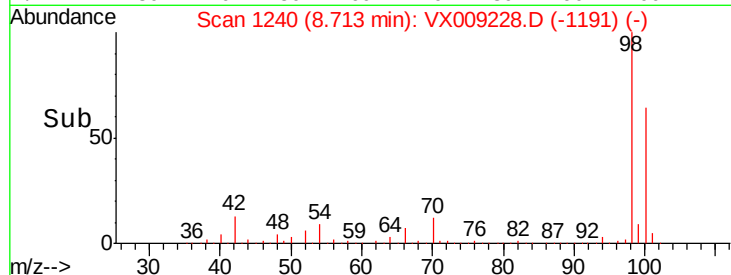
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.360 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. 0.12 min

Lab File: VX009228.D

Acq: 29 Apr 2019 23:22

Tgt Ion: 97 Resp: 3348

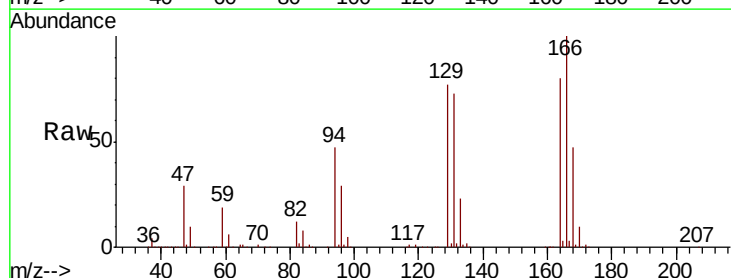
Ion Ratio Lower Upper

97 100

83 227.9 68.9 103.3#

85 30.9 43.8 65.6#

99 14.2 48.2 72.2#



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

10000

8000

6000

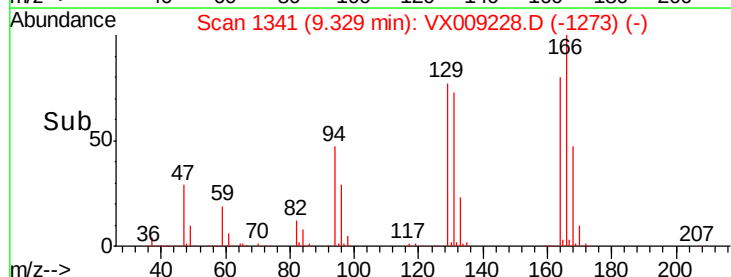
4000

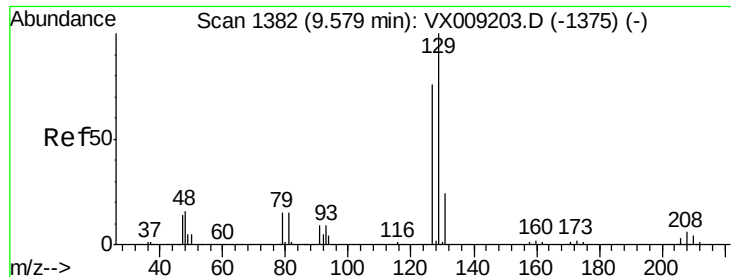
2000

0

9.25 9.30 9.35 9.40

Time-->

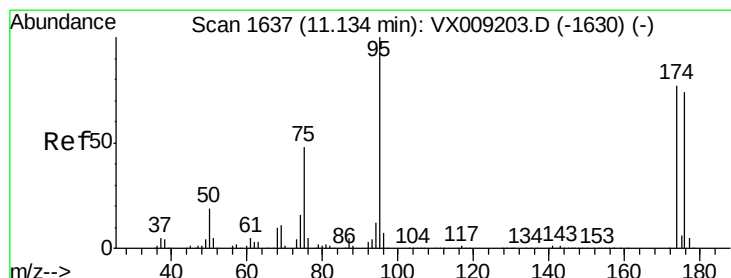
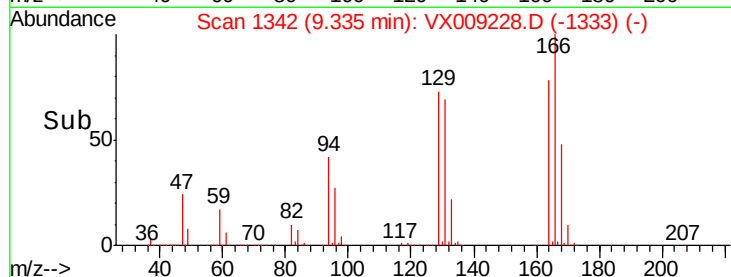
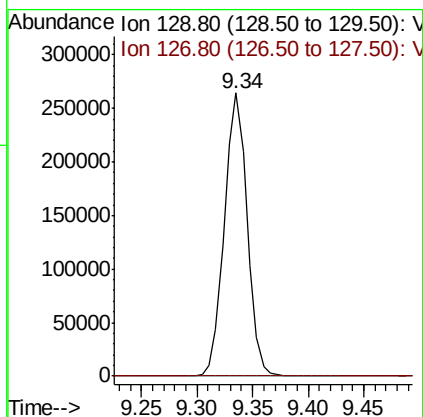
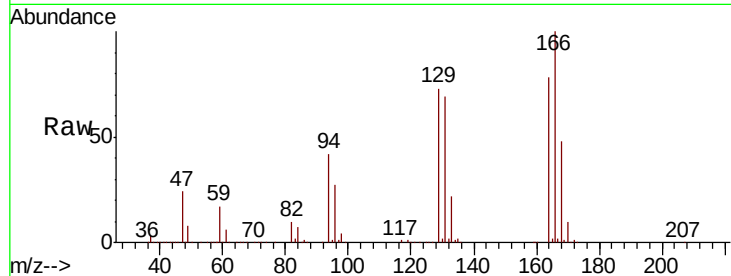




#60
 Dibromochloromethane
 Concen: 155.987 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

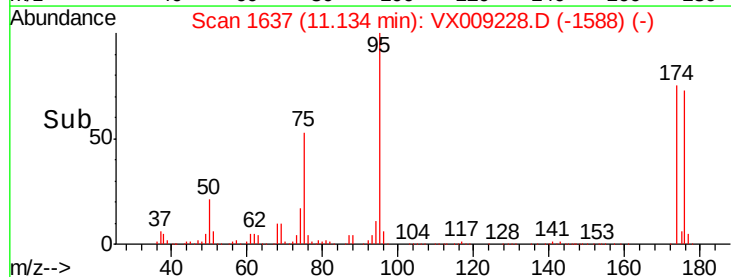
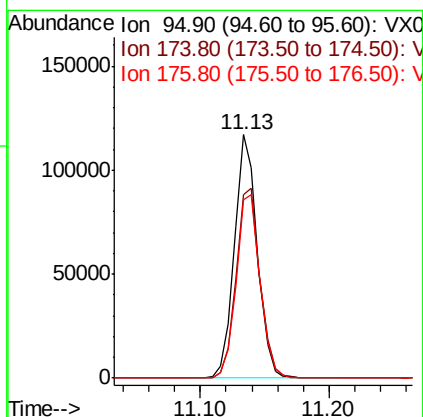
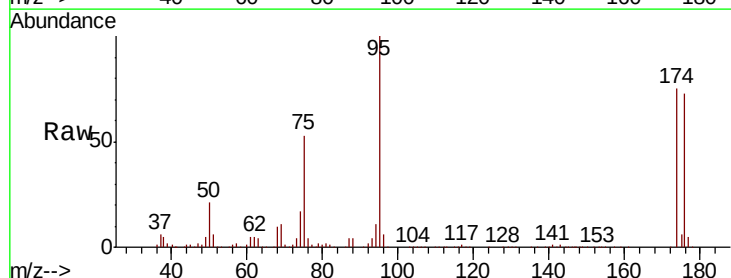
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423

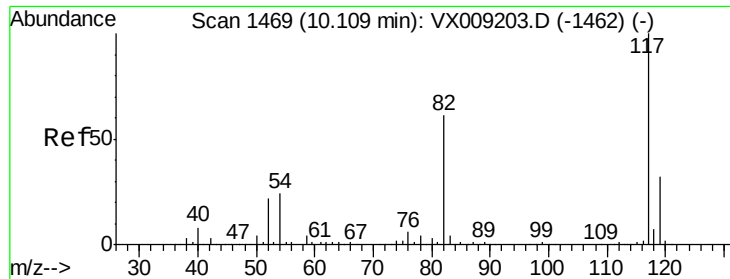
Tgt Ion: 129 Resp: 374953
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 45.621 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Tgt Ion: 95 Resp: 145171
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 161.6
 176 78.3 0.0 159.2

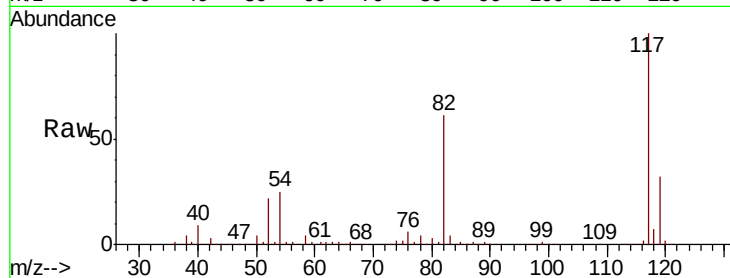




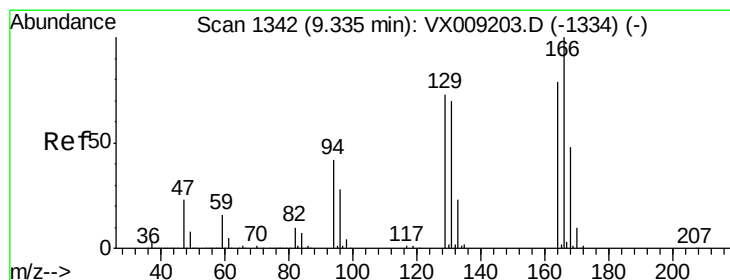
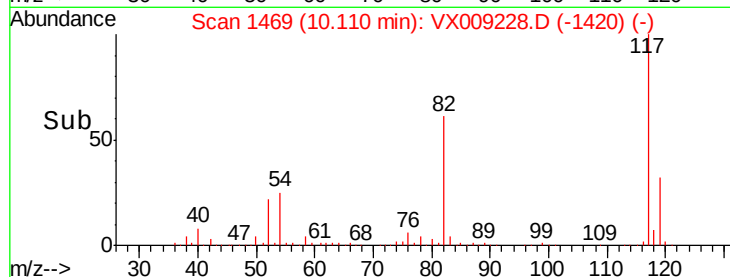
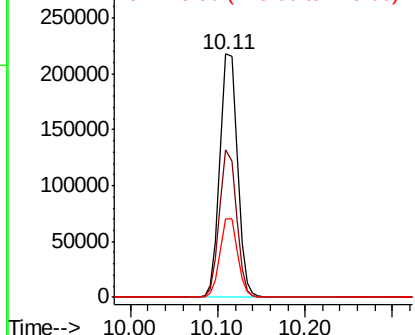
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009228.D
Acq: 29 Apr 2019 23:22

Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-190423

Tgt Ion:117 Resp: 303382
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 32.3 25.8 38.6

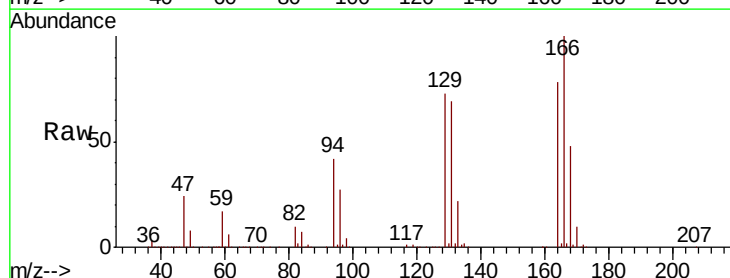


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

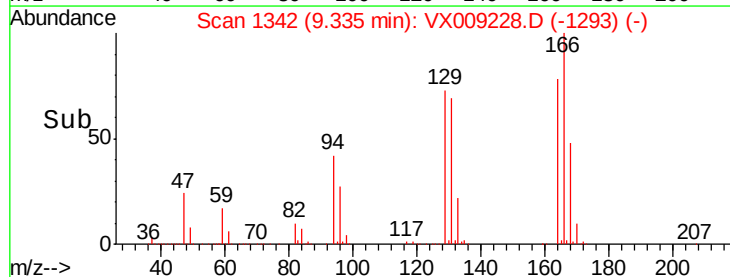
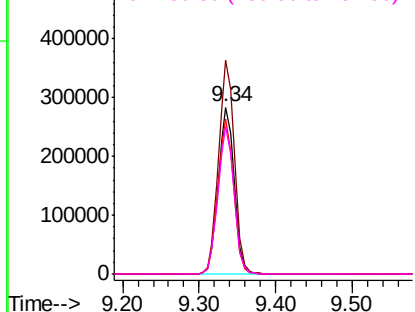


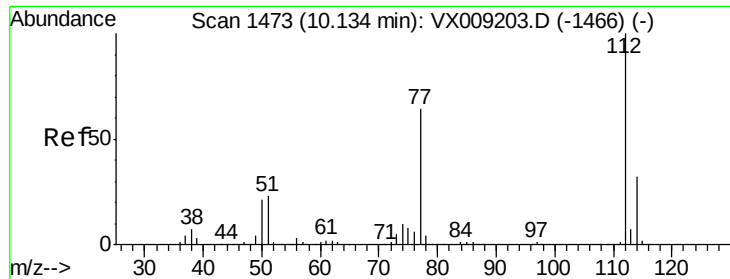
#64
Tetrachloroethene
Concen: 195.369 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009228.D
Acq: 29 Apr 2019 23:22

Tgt Ion:164 Resp: 406575
Ion Ratio Lower Upper
164 100
166 127.9 101.2 151.8
129 93.1 74.3 111.5
131 88.5 71.0 106.6



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

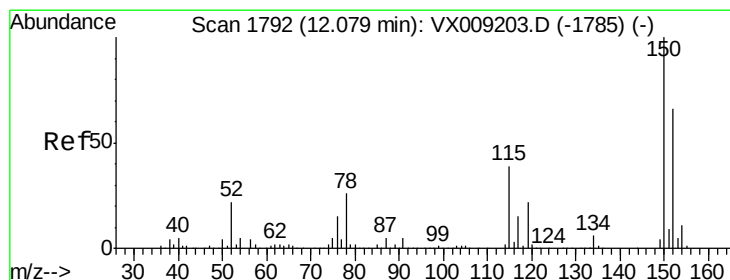
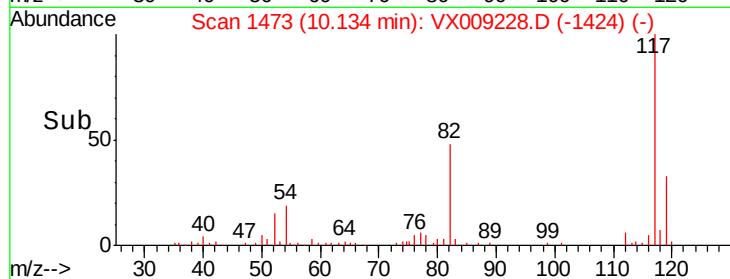
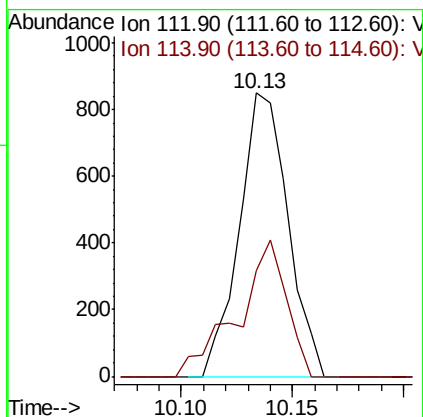
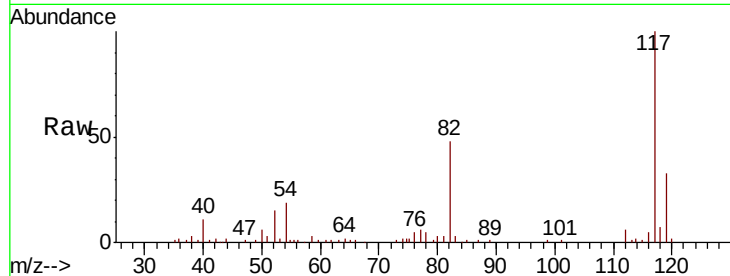




#65
Chlorobenzene
Concen: 0.213 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009228.D
Acq: 29 Apr 2019 23:22

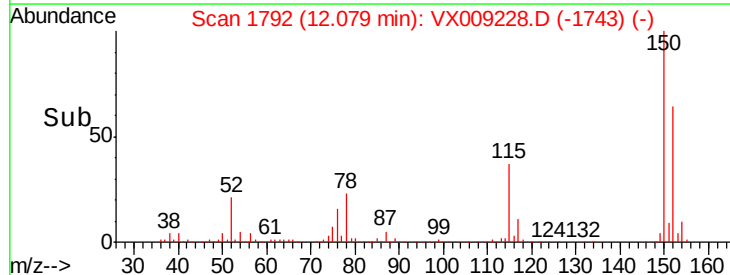
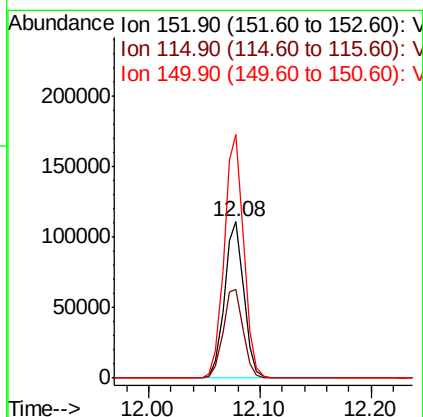
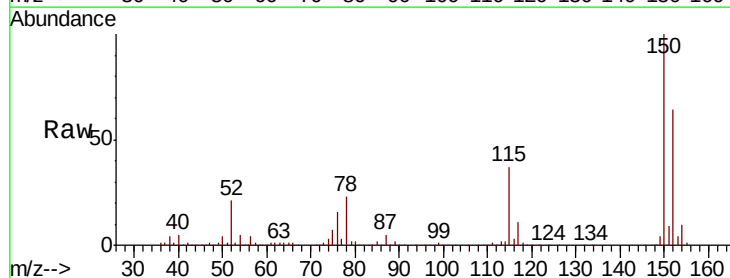
Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-190423

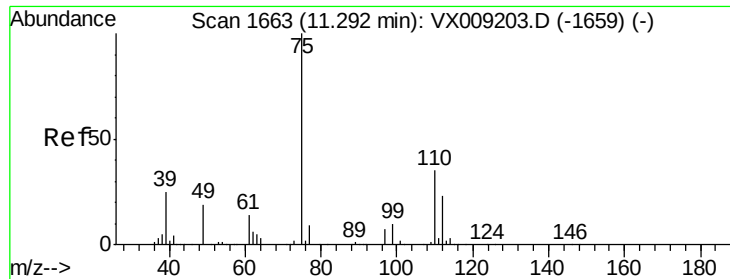
Tgt Ion:112 Resp: 1294
Ion Ratio Lower Upper
112 100
114 37.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009228.D
Acq: 29 Apr 2019 23:22

Tgt Ion:152 Resp: 132193
Ion Ratio Lower Upper
152 100
115 59.0 41.2 123.6
150 156.7 0.0 346.4

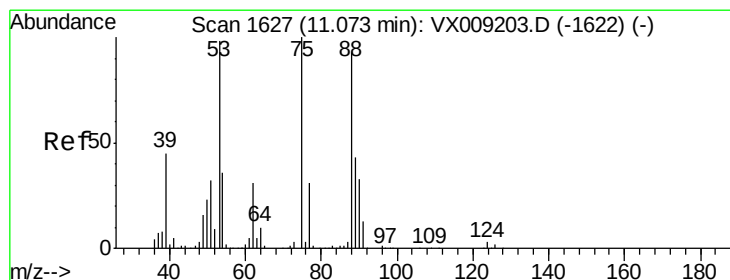
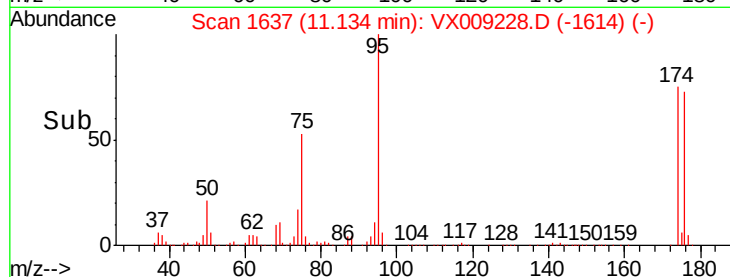
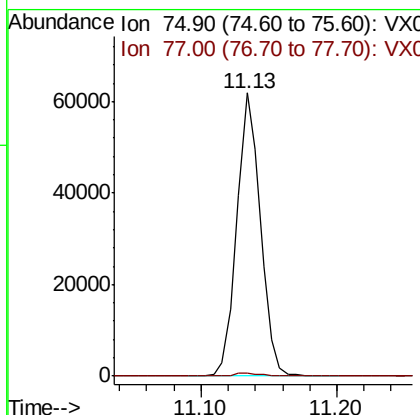
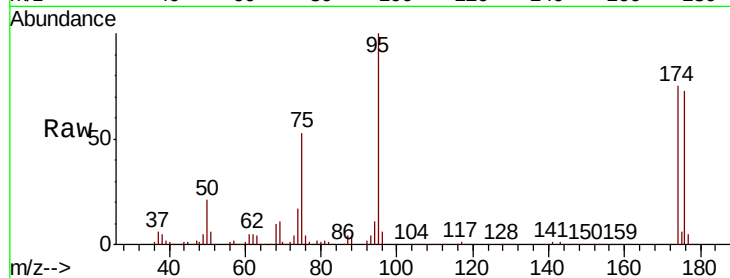




#76
 1,2,3-Trichloropropane
 Concen: 24.310 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423

Tgt Ion: 75 Resp: 74544
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.200 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009228.D
 Acq: 29 Apr 2019 23:22

Tgt Ion: 75 Resp: 74544
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

