

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009226.D
 Acq On : 29 Apr 2019 22:36
 Operator : JC/SP
 Sample : K2594-10 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-190423

Quant Time: Apr 30 07:22:32 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	5.66	168	195721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	315716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	128105	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.50	113	94058	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	8.71	98	396034	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	142916	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

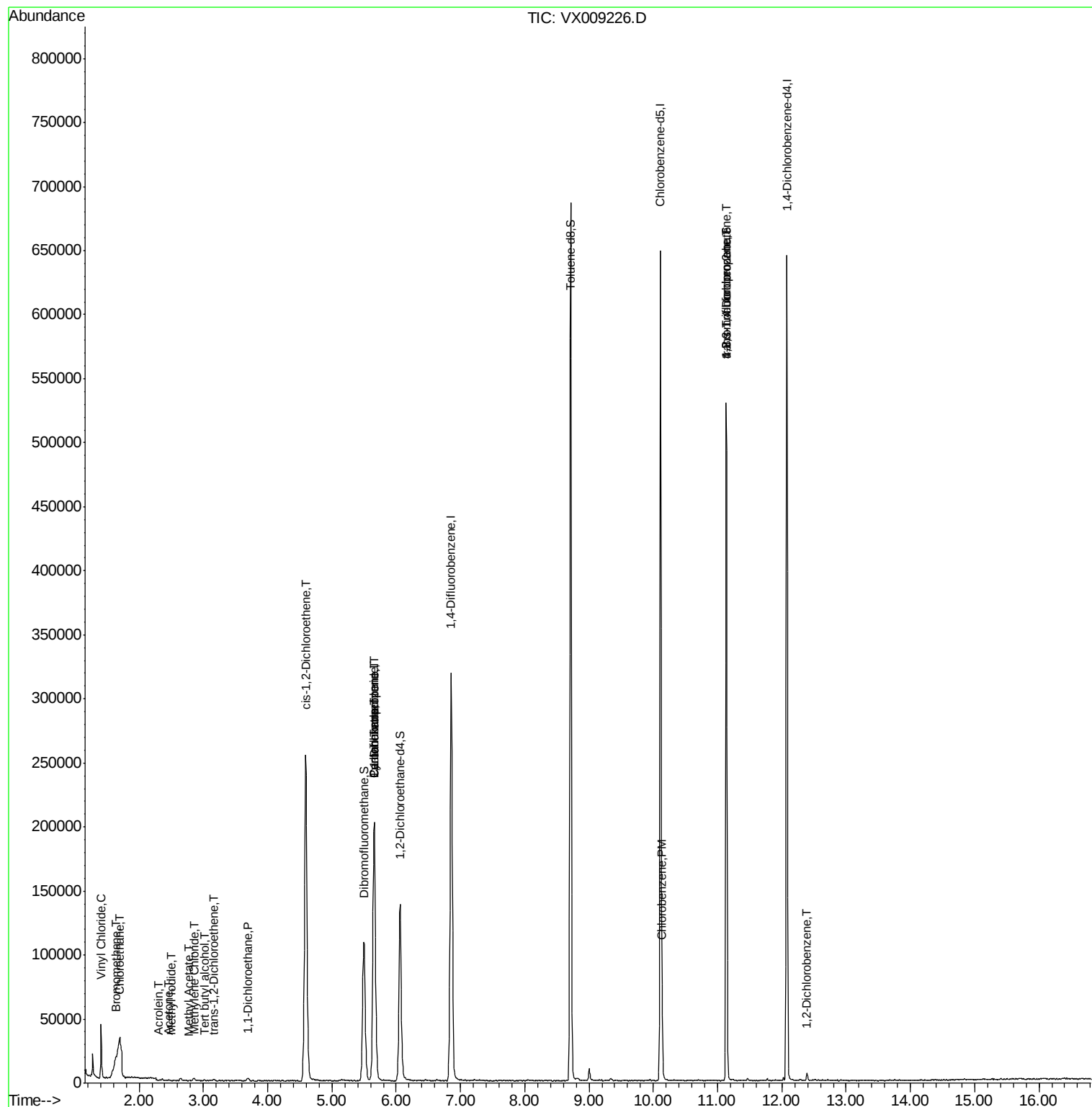
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	28912	12.041	ug/l	97
5) Bromomethane	1.64	94	330	0.229	ug/l #	77
6) Chloroethane	1.69	64	691	0.448	ug/l #	1
10) Methyl Iodide	2.51	142	41	4.611	ug/l #	42
11) Tert butyl alcohol	3.02	59	290	0.469	ug/l #	62
13) Acrolein	2.29	56	155	0.277	ug/l #	54
16) Acetone	2.46	43	895	0.624	ug/l	90
18) Methyl Acetate	2.78	43	709	0.208	ug/l #	69
20) Methylene Chloride	2.86	84	695	0.299	ug/l #	77
21) trans-1,2-Dichloroethene	3.16	96	401	0.201	ug/l #	80
24) 1,1-Dichloroethane	3.69	63	2468	0.581	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	156971	66.032	ug/l	90
28) Bromochloromethane	4.96	49	51	Below Cal	#	20
31) Cyclohexane	5.66	56	4502	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15431	5.259	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18656	6.998	ug/l #	15
65) Chlorobenzene	10.14	112	19289	3.395	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	71378	23.548	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71378	60.250	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	1828	0.427	ug/l	99

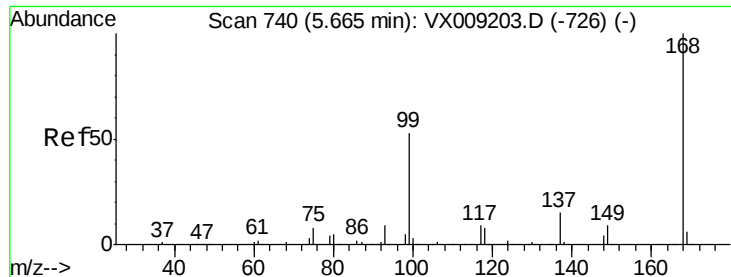
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

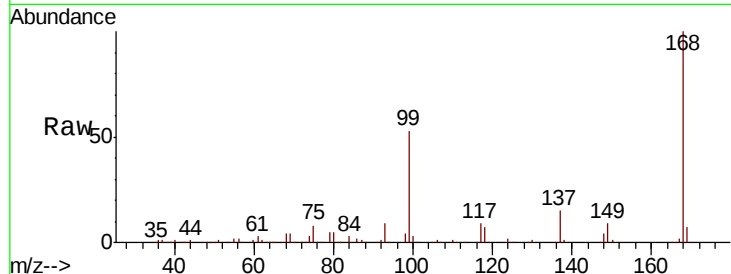
WP021RW245-190423

Tgt Ion: 168 Resp: 195721

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009226.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX009226.D (-691) (-)

5.66

80000

60000

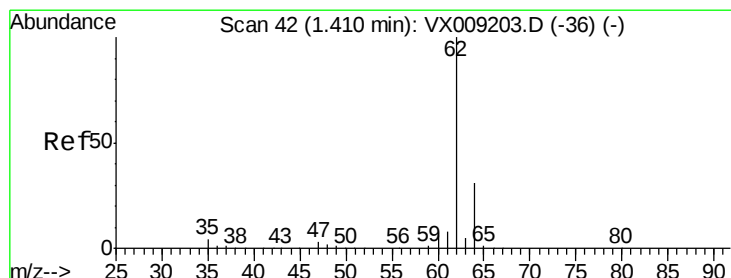
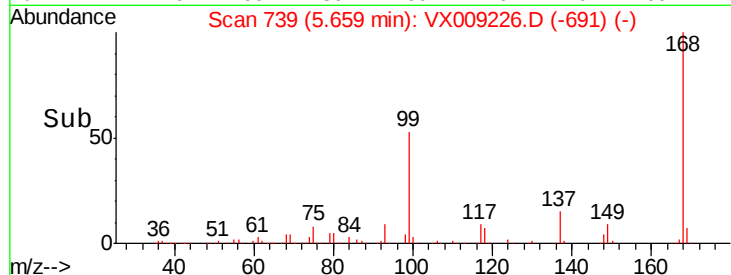
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 12.041 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009226.D

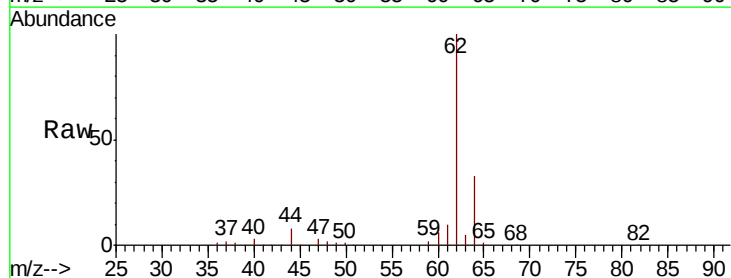
Acq: 29 Apr 2019 22:36

Tgt Ion: 62 Resp: 28912

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX009226.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VX009226.D (-1) (-)

1.41

30000

25000

20000

15000

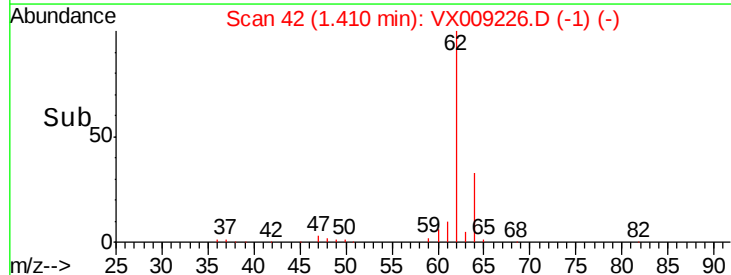
10000

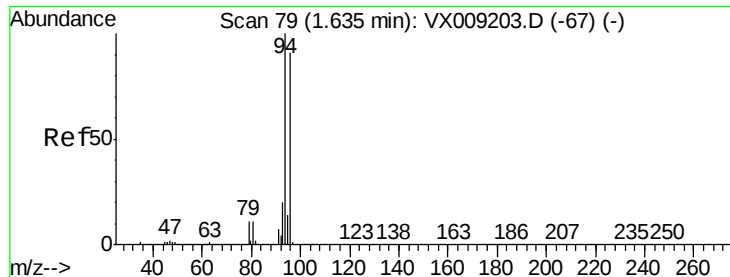
5000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

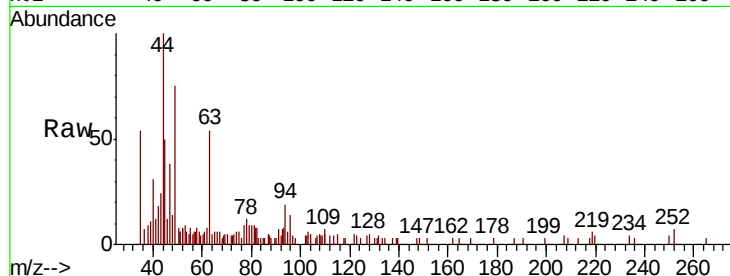
WP021RW245-190423

Tgt Ion: 94 Resp: 330

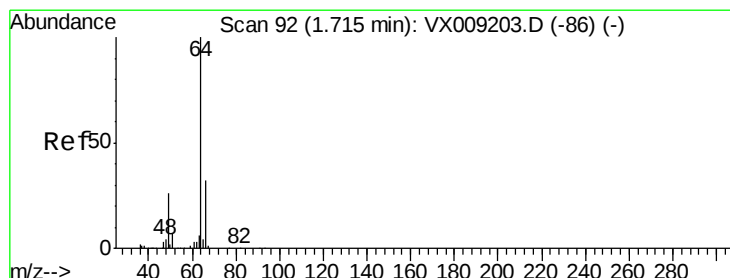
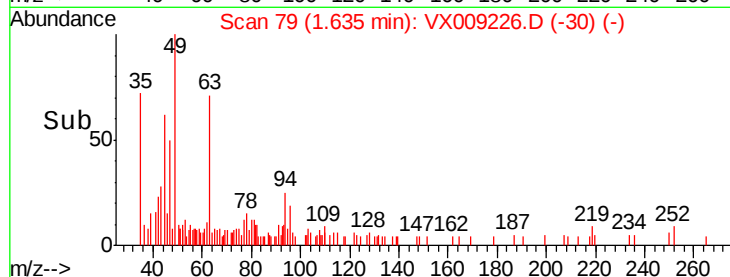
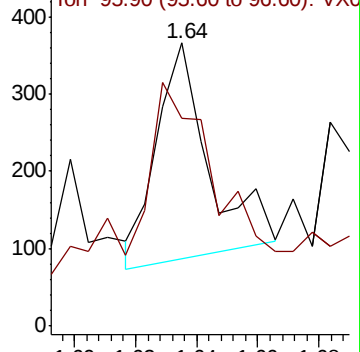
Ion Ratio Lower Upper

94 100

96 69.3 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.448 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009226.D

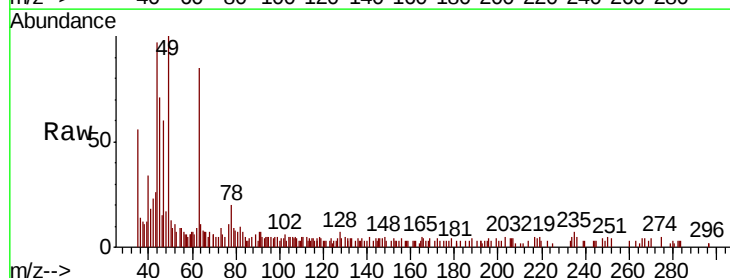
Acq: 29 Apr 2019 22:36

Tgt Ion: 64 Resp: 691

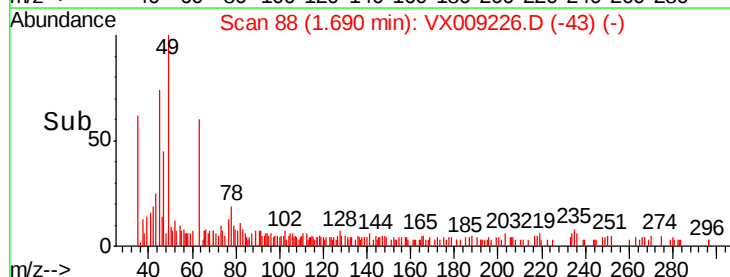
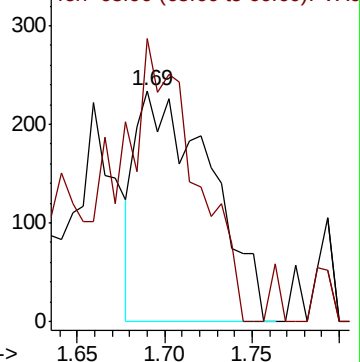
Ion Ratio Lower Upper

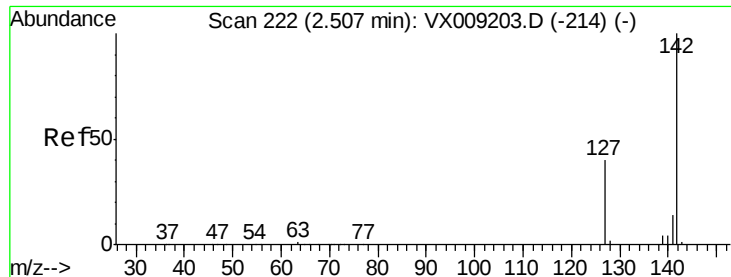
64 100

66 97.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

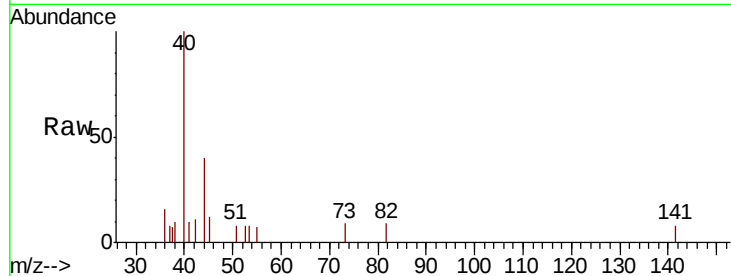




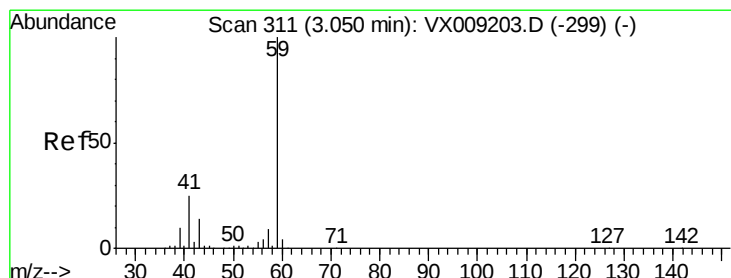
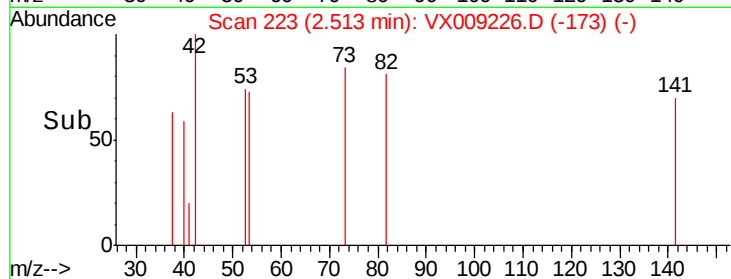
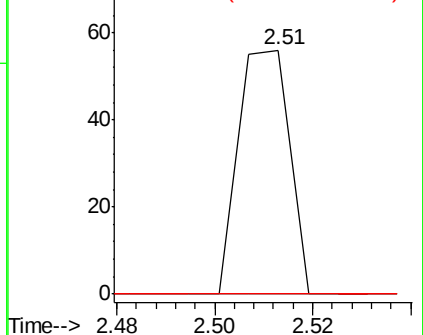
#10
Methyl Iodide
Concen: 4.611 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-190423

Tgt Ion: 142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

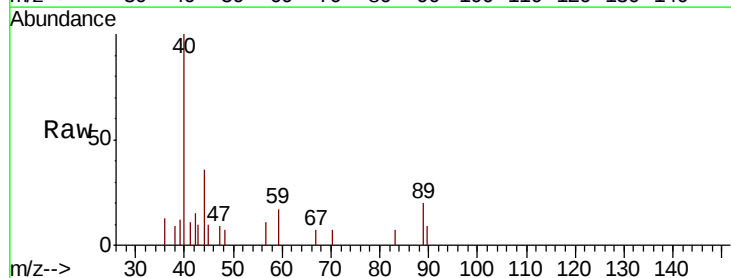


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

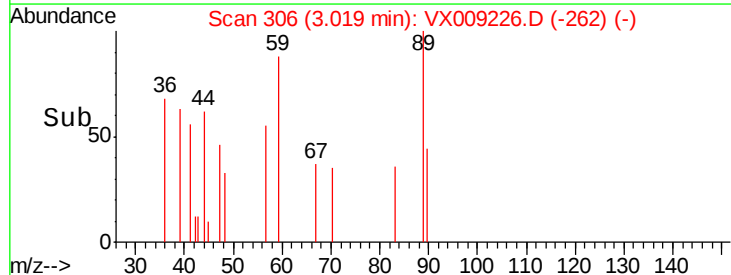
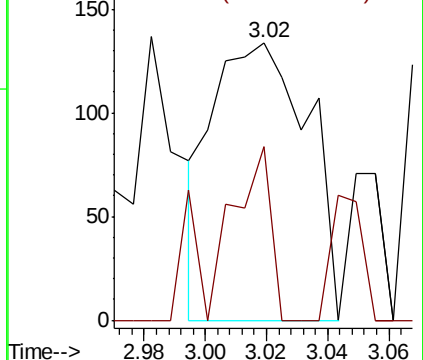


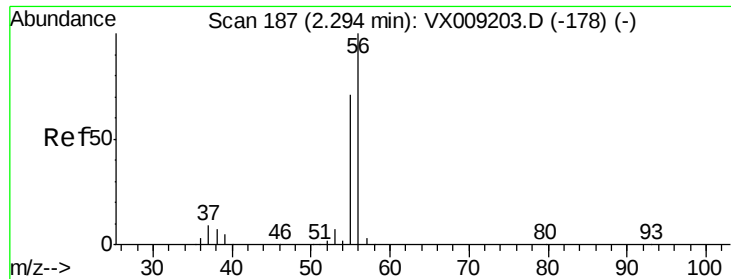
#11
Tert butyl alcohol
Concen: 0.469 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 24.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.277 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

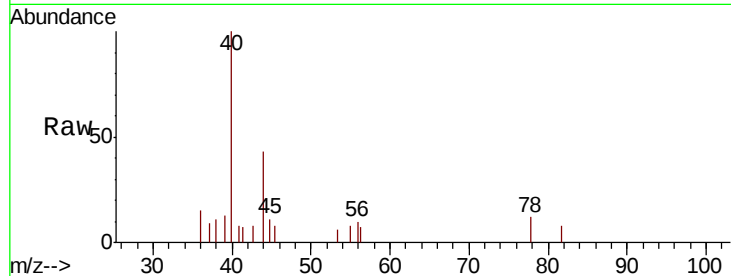
WP021RW245-190423

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

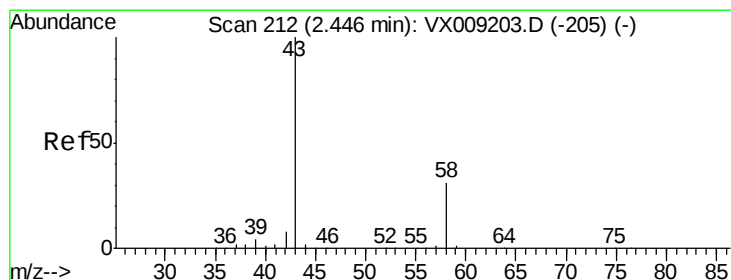
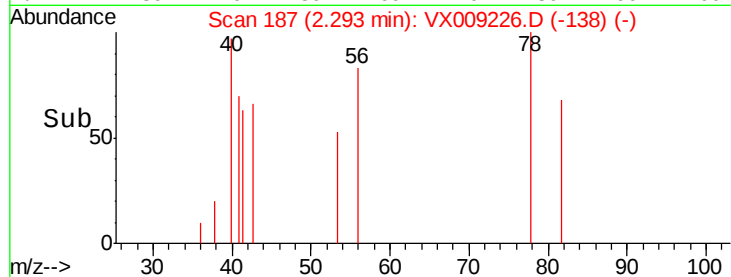
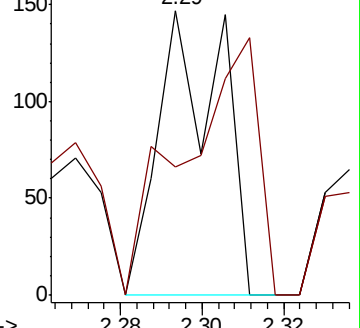
56 100

55 108.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.624 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX009226.D

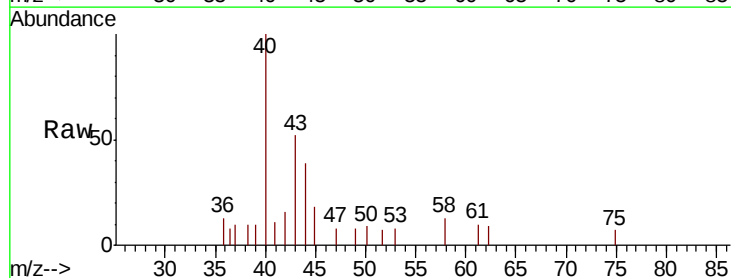
Acq: 29 Apr 2019 22:36

Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

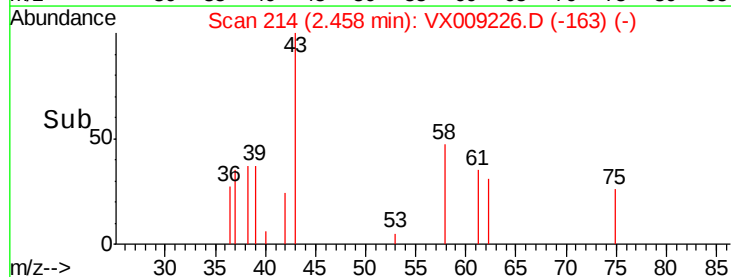
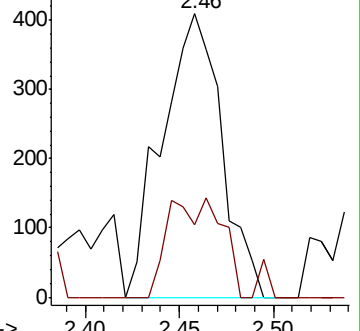
43 100

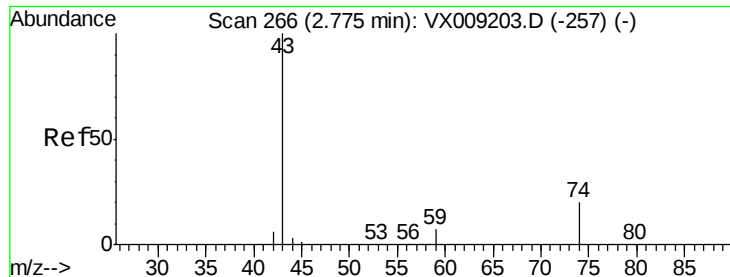
58 25.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

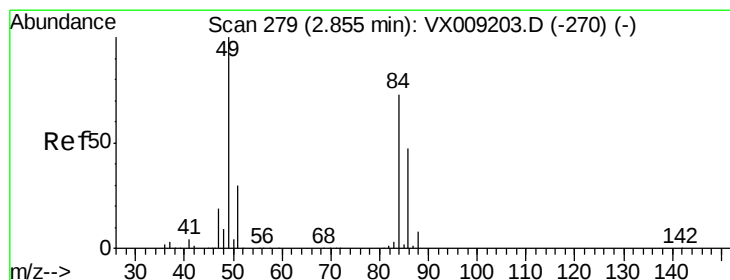
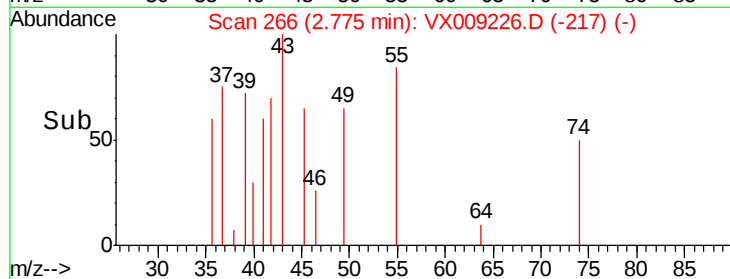
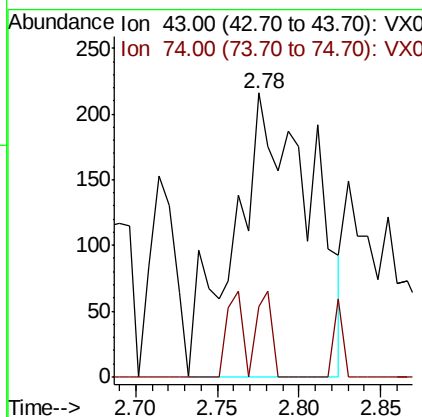
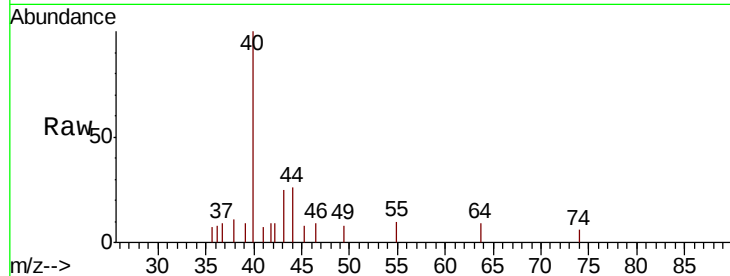




#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

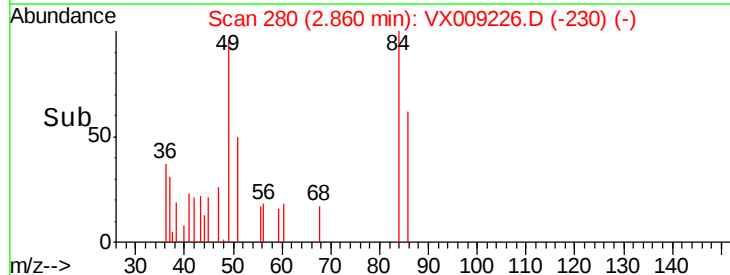
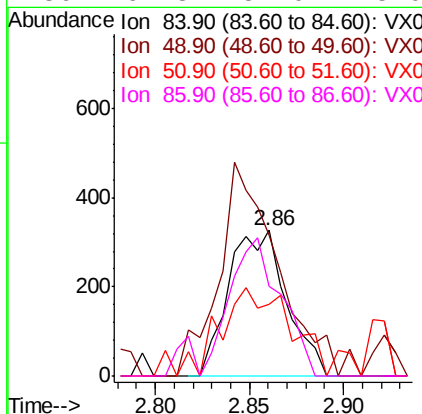
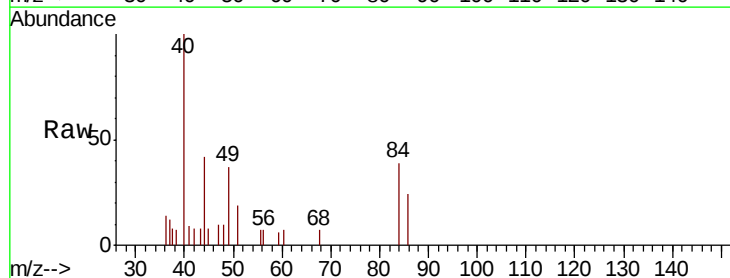
Instrument :
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WP021RW245-190423

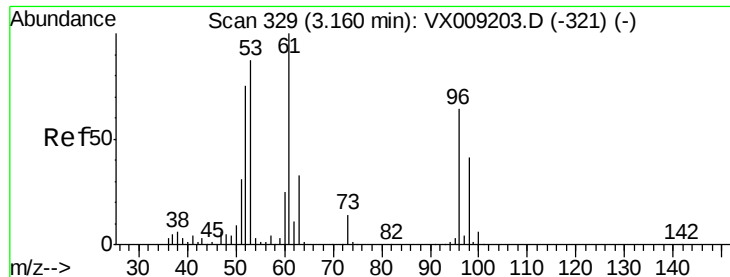
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
74 6.1 16.2 24.4#



#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

Tgt Ion: 84 Resp: 695
Ion Ratio Lower Upper
84 100
49 96.3 109.9 164.9#
51 32.7 32.7 49.1
86 61.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.201 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-190423

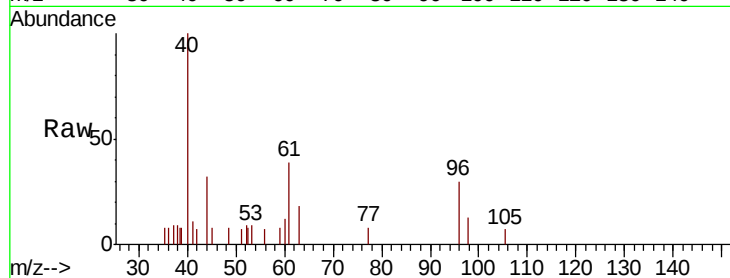
Tgt Ion: 96 Resp: 401

Ion Ratio Lower Upper

96 100

61 132.6 124.5 186.7

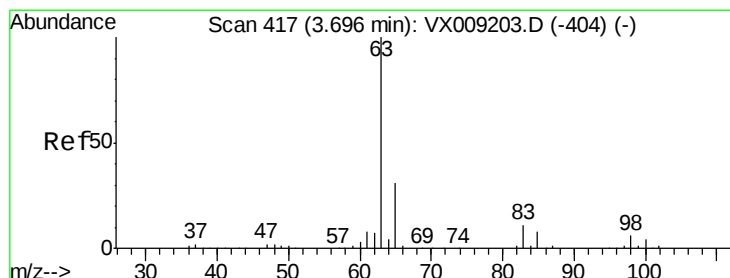
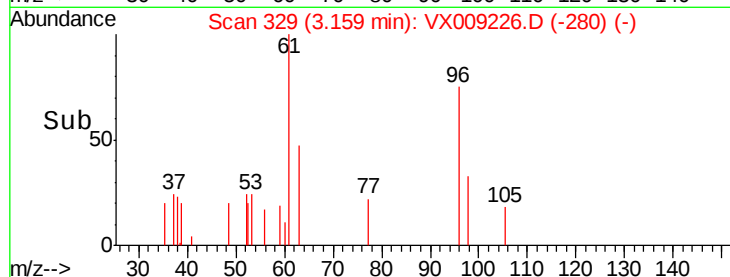
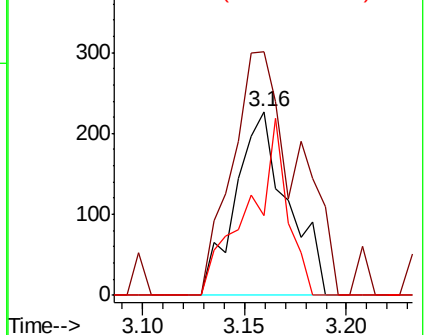
98 43.2 50.4 75.6#



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



#24

1,1-Dichloroethane

Concen: 0.581 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

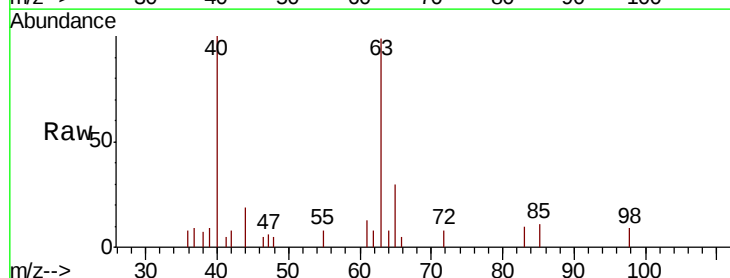
Tgt Ion: 63 Resp: 2468

Ion Ratio Lower Upper

63 100

98 9.5 3.0 9.2#

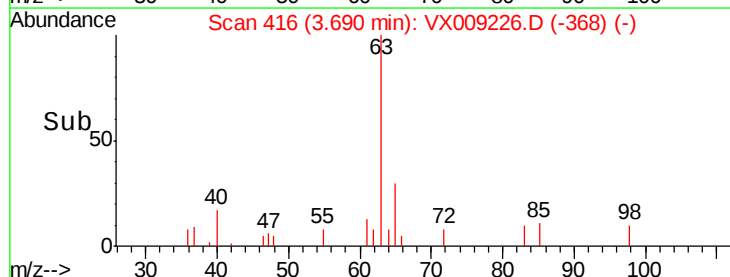
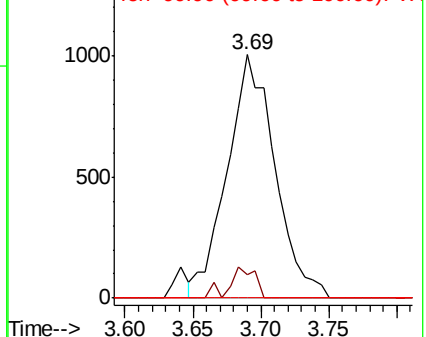
100 0.0 2.0 6.0#

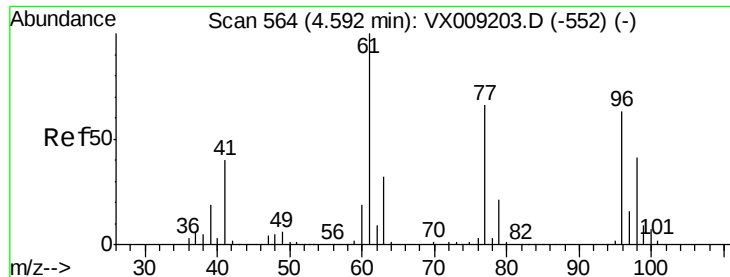


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



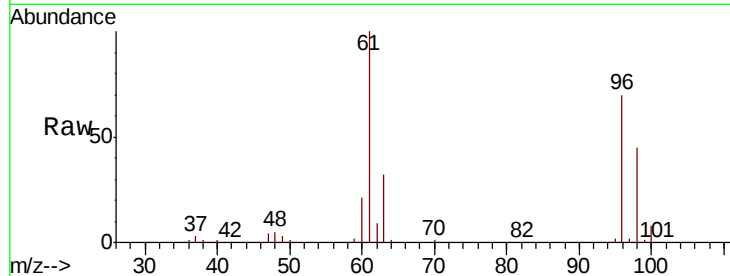


#27

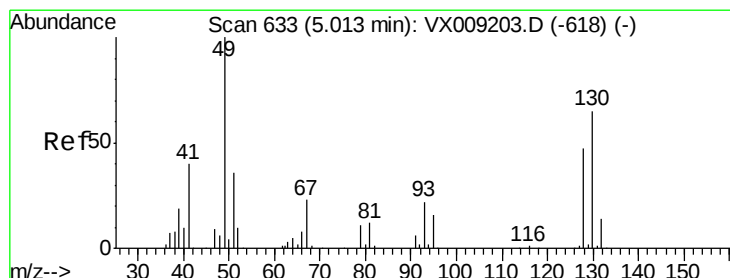
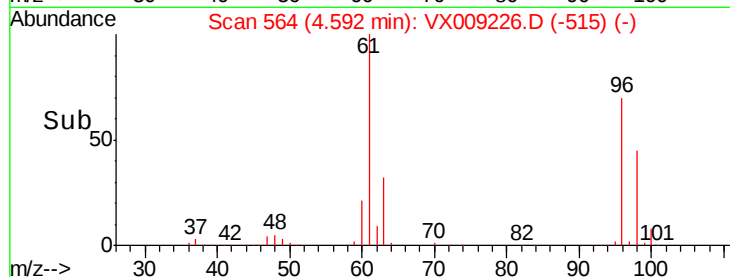
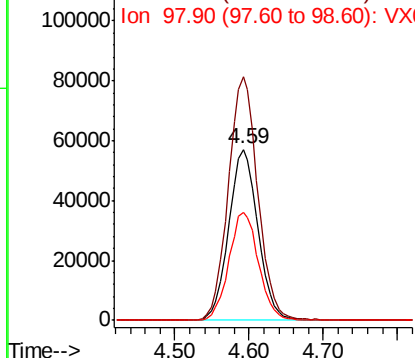
cis-1,2-Dichloroethene
 Concen: 66.032 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX009226.D
 Acq: 29 Apr 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-190423

Tgt Ion: 96 Resp: 156971
 Ion Ratio Lower Upper
 96 100
 61 143.6 0.0 324.0
 98 64.1 0.0 130.4



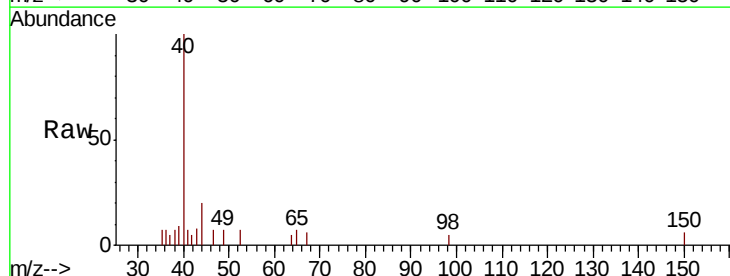
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



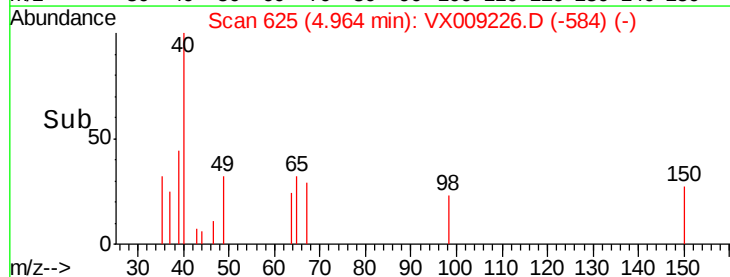
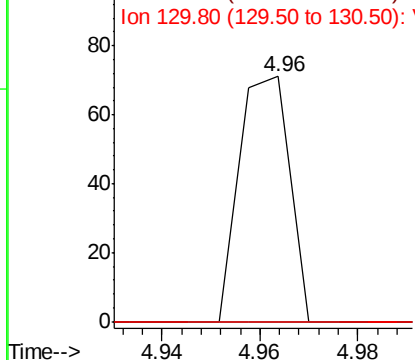
#28

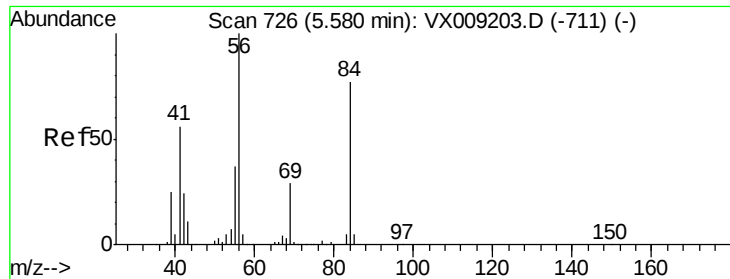
Bromochloromethane
 Concen: Below Cal
 RT: 4.96 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: VX009226.D
 Acq: 29 Apr 2019 22:36

Tgt Ion: 49 Resp: 51
 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

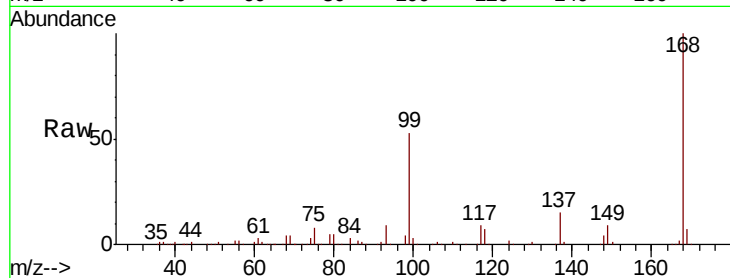




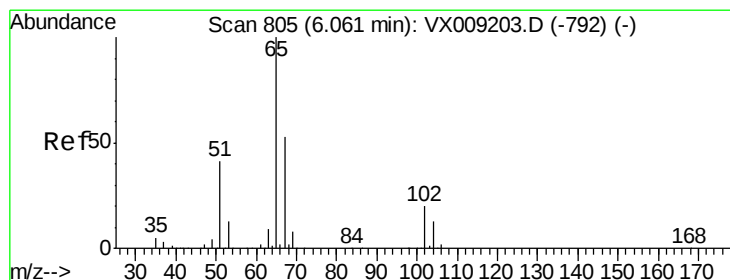
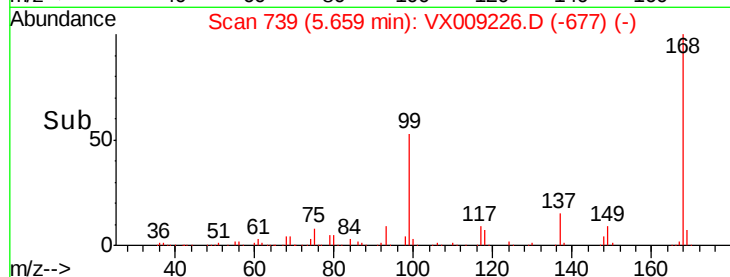
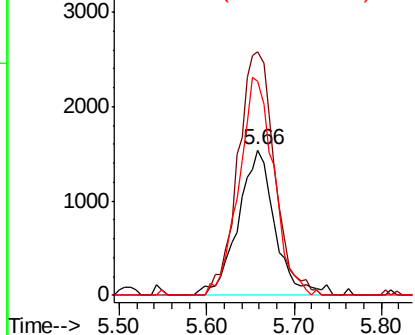
#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-190423

Tgt Ion: 56 Resp: 4502
Ion Ratio Lower Upper
56 100
69 167.7 23.4 35.0#
84 147.3 61.9 92.9#

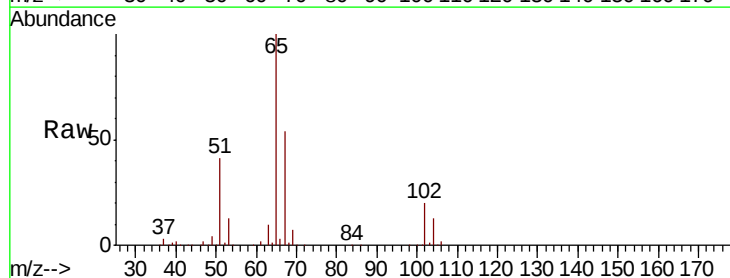


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

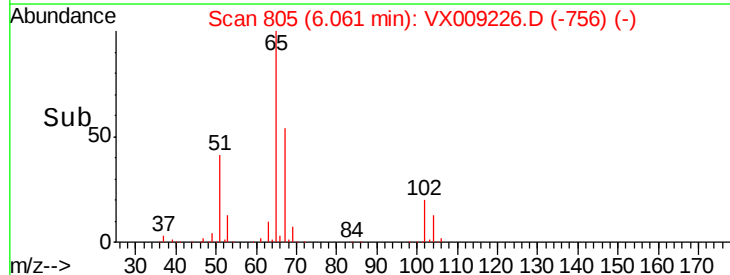
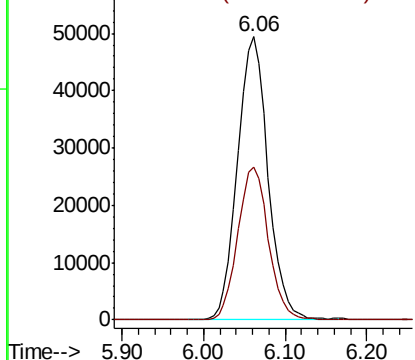


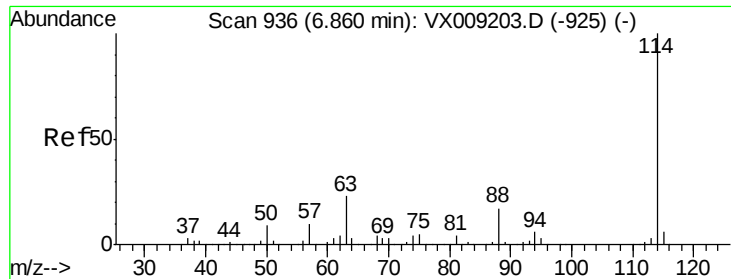
#33
1,2-Dichloroethane-d4
Concen: 47.947 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

Tgt Ion: 65 Resp: 128105
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

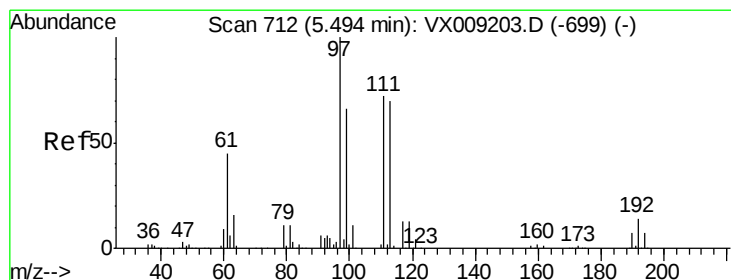
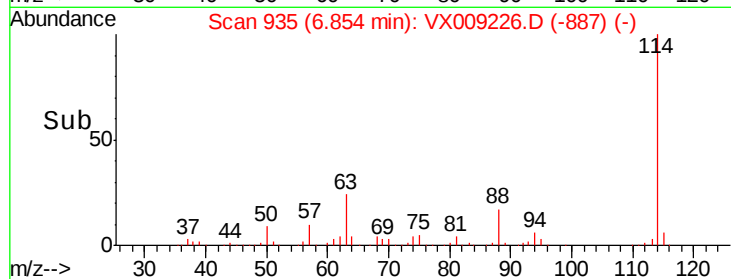
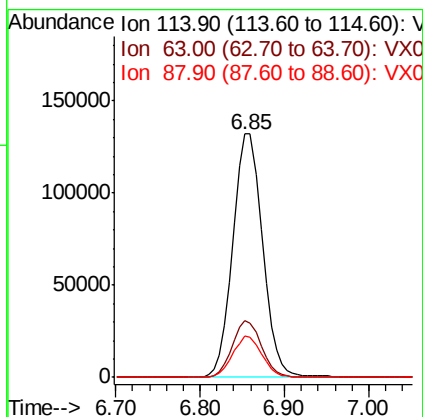
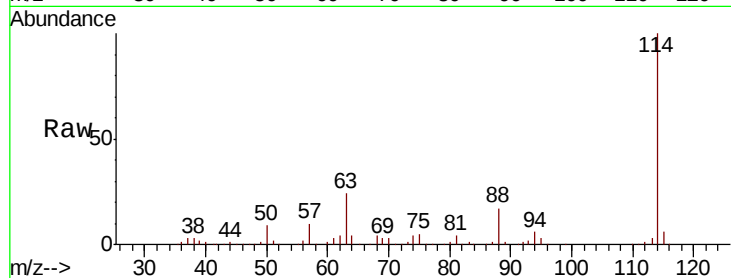




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009226.D
 Acq: 29 Apr 2019 22:36

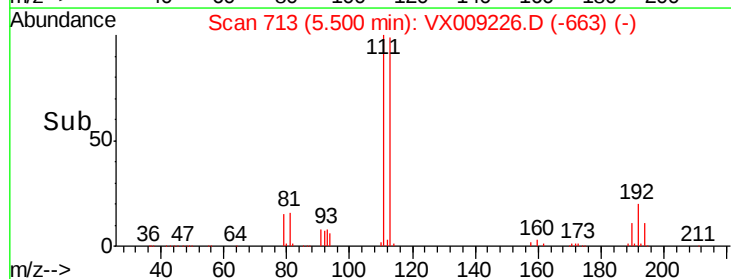
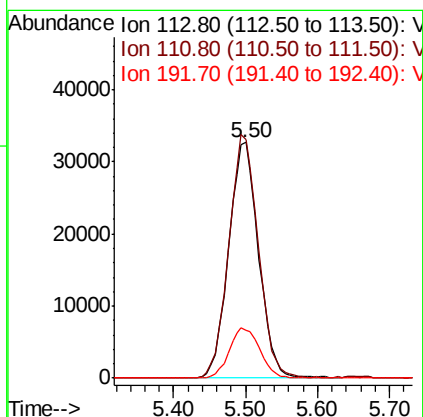
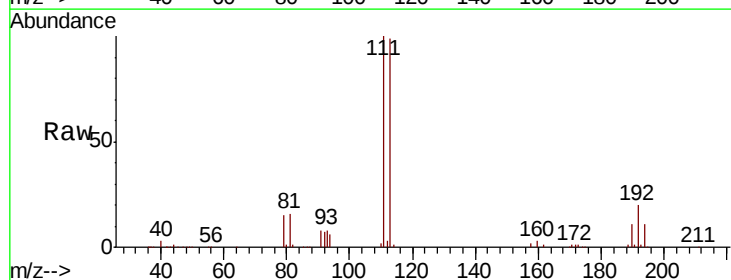
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-190423

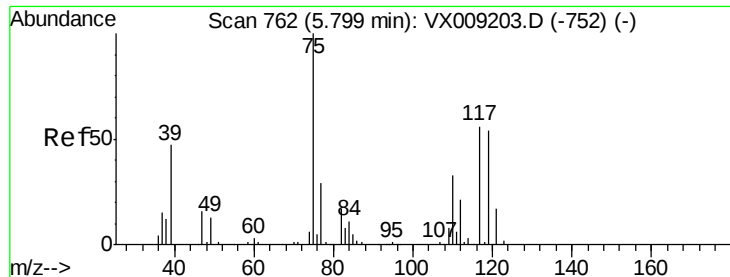
Tgt Ion:114 Resp: 315716
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.6
 88 16.8 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 47.391 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009226.D
 Acq: 29 Apr 2019 22:36

Tgt Ion:113 Resp: 94058
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 21.8 17.0 25.6

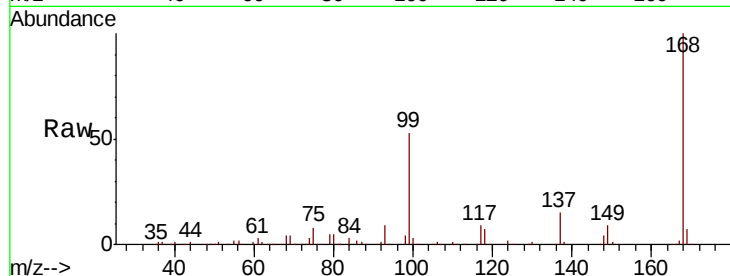




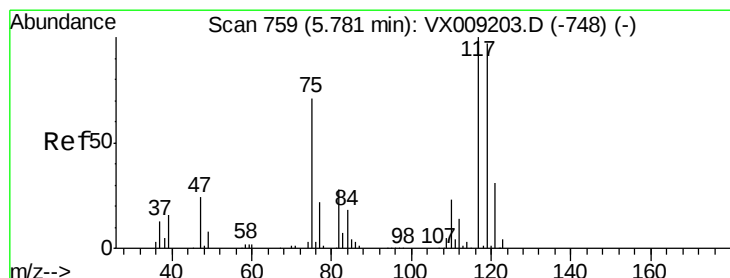
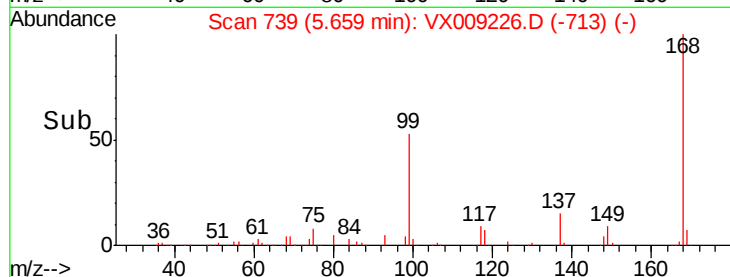
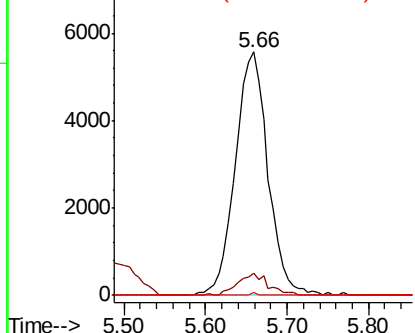
#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009226.D
 Acq: 29 Apr 2019 22:36

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-190423

Tgt Ion: 75 Resp: 15431
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.2 24.8 37.2#

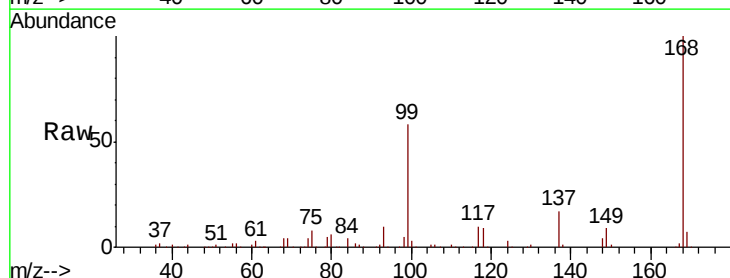


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

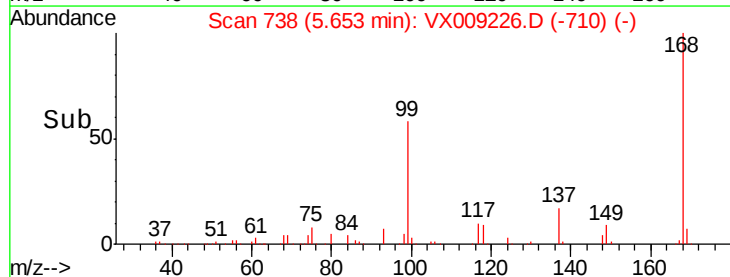
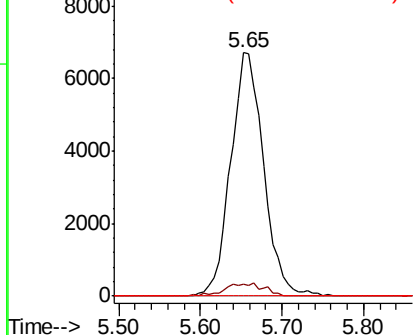


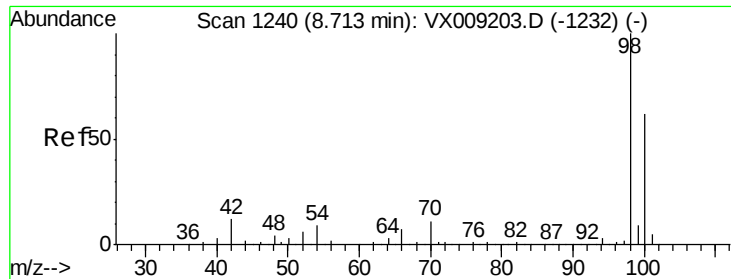
#38
 Carbon Tetrachloride
 Concen: 6.998 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX009226.D
 Acq: 29 Apr 2019 22:36

Tgt Ion: 117 Resp: 18656
 Ion Ratio Lower Upper
 117 100
 119 4.7 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: 49.425 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

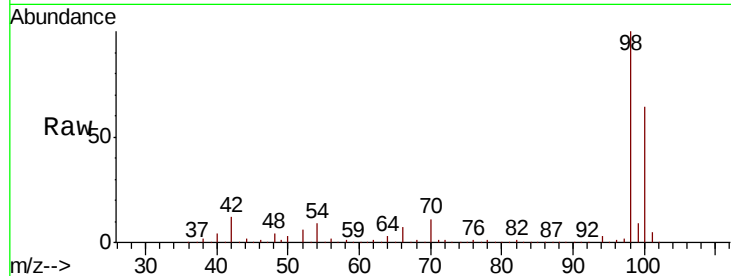
WP021RW245-190423

Tgt Ion: 98 Resp: 396034

Ion Ratio Lower Upper

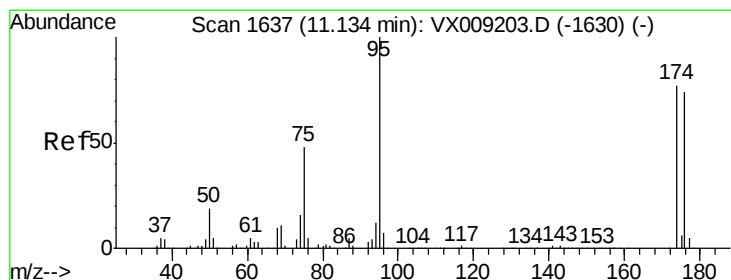
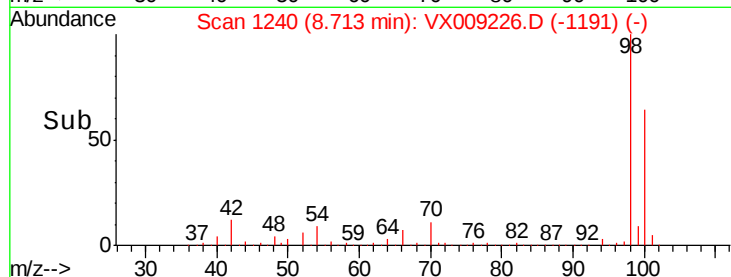
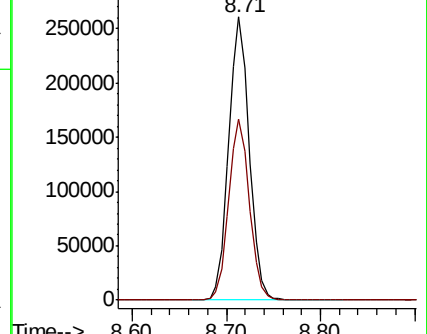
98 100

100 64.1 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: 49.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

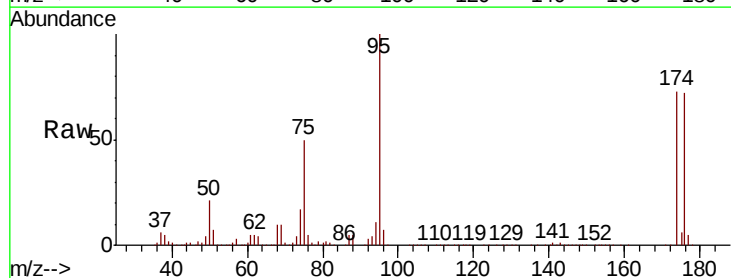
Tgt Ion: 95 Resp: 142916

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.6

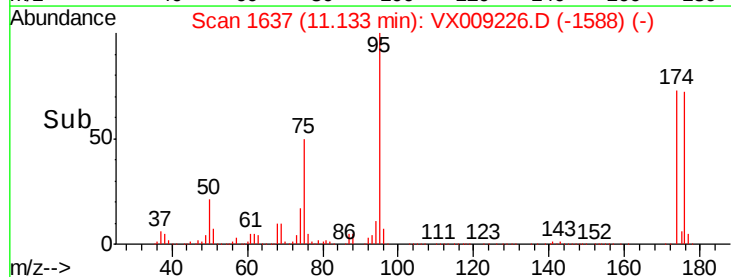
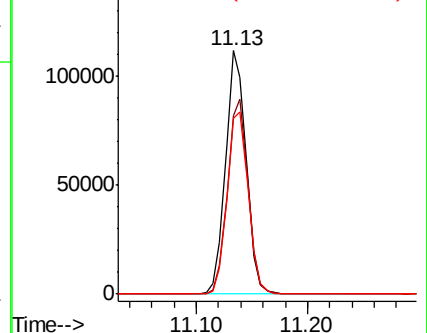
176 77.1 0.0 159.2

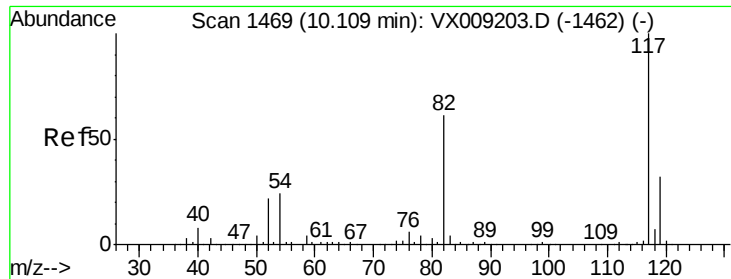


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

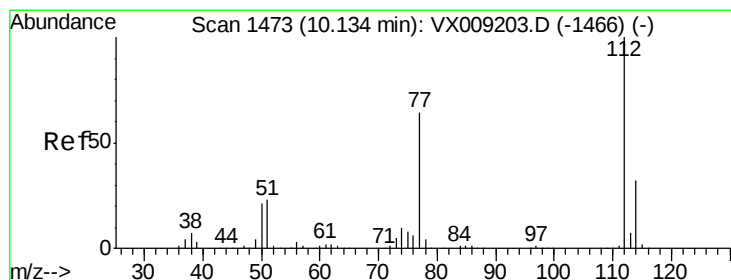
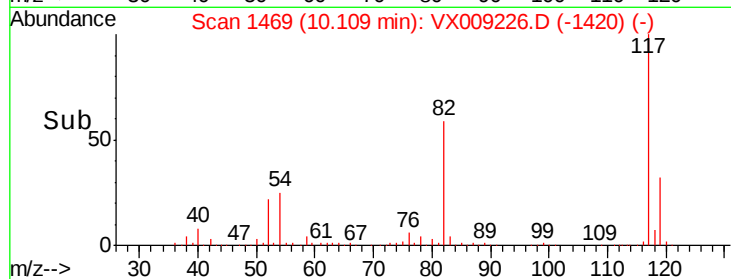
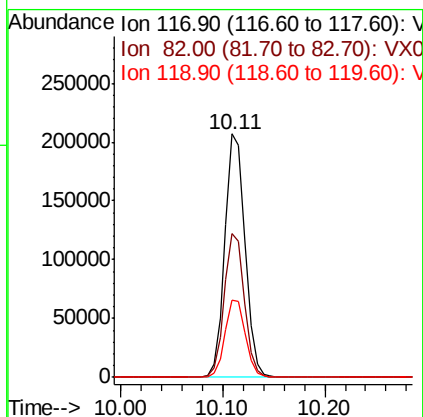
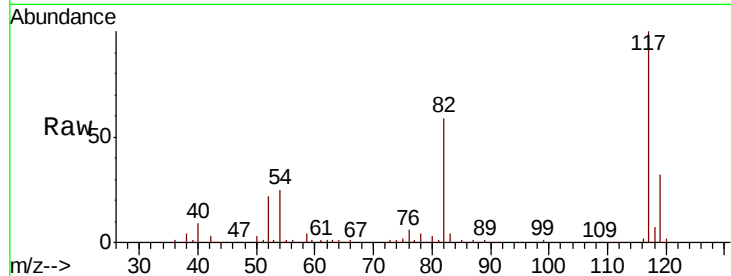




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

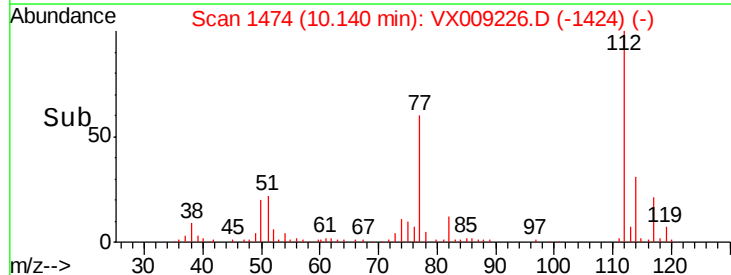
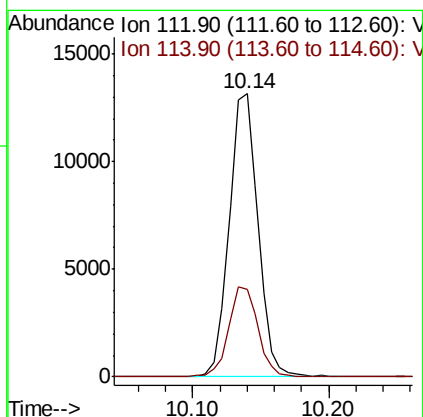
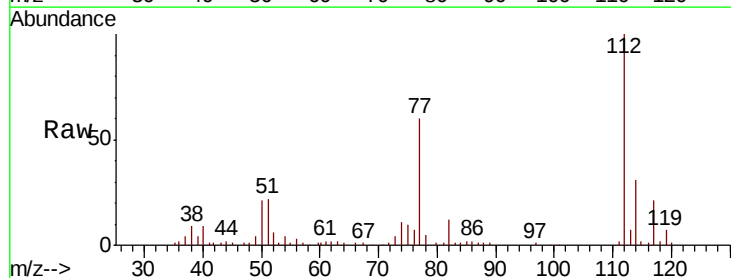
Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-190423

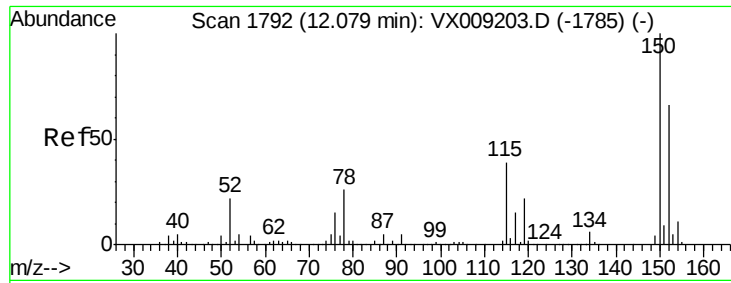
Tgt Ion:117 Resp: 284043
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.8 25.8 38.6



#65
Chlorobenzene
Concen: 3.395 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009226.D
Acq: 29 Apr 2019 22:36

Tgt Ion:112 Resp: 19289
Ion Ratio Lower Upper
112 100
114 30.8 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: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-190423

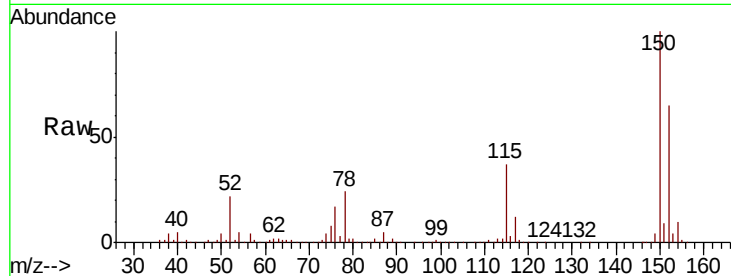
Tgt Ion:152 Resp: 130675

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

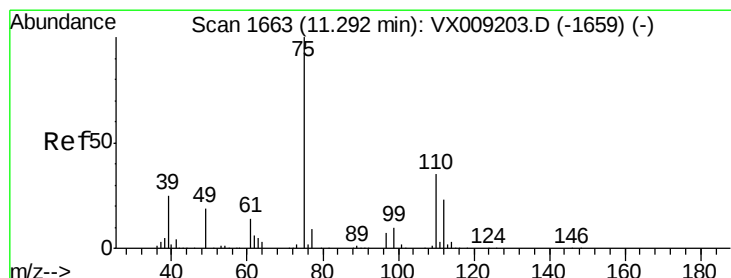
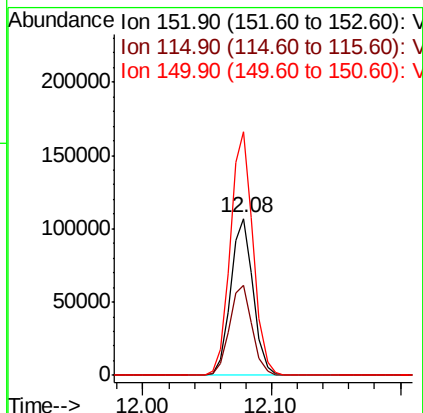
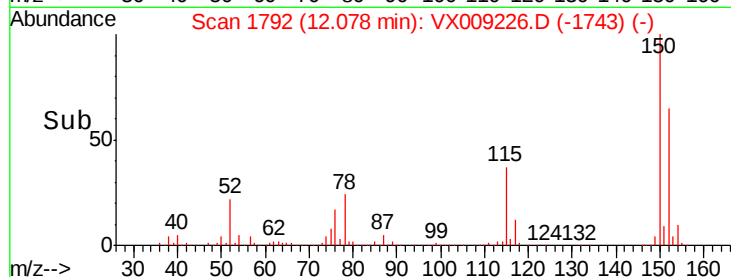
150 157.0 0.0 346.4



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: 23.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009226.D

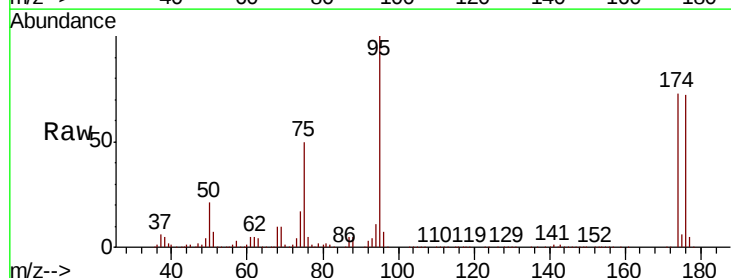
Acq: 29 Apr 2019 22:36

Tgt Ion: 75 Resp: 71378

Ion Ratio Lower Upper

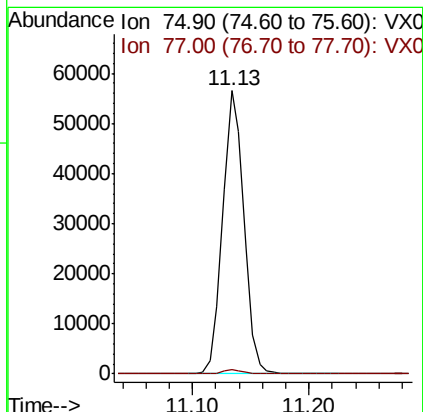
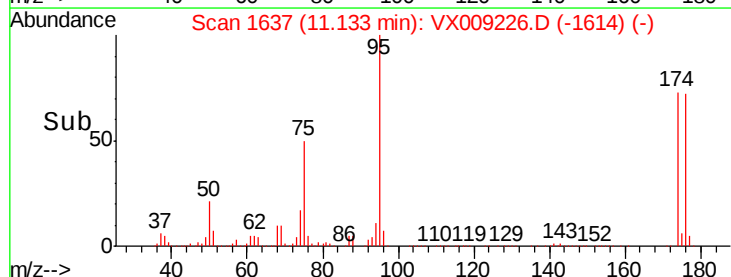
75 100

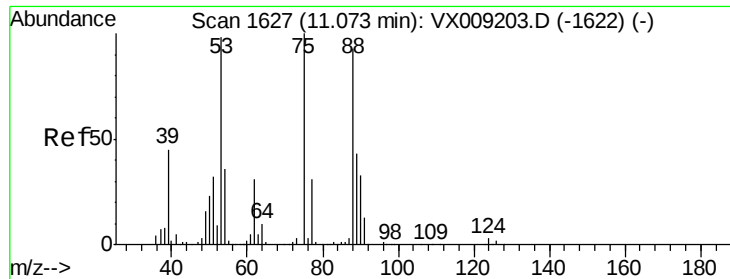
77 1.5 22.1 66.1#



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: 60.250 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-190423

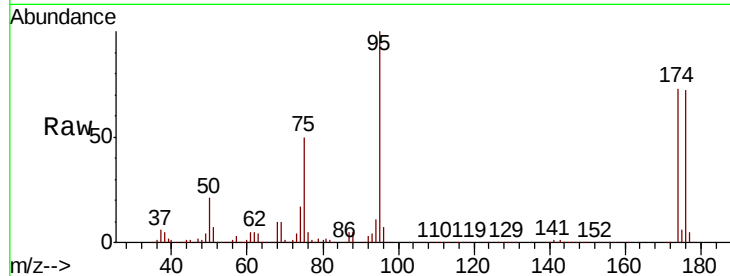
Tgt Ion: 75 Resp: 71378

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

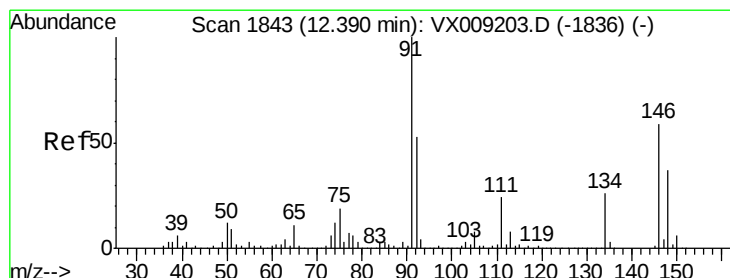
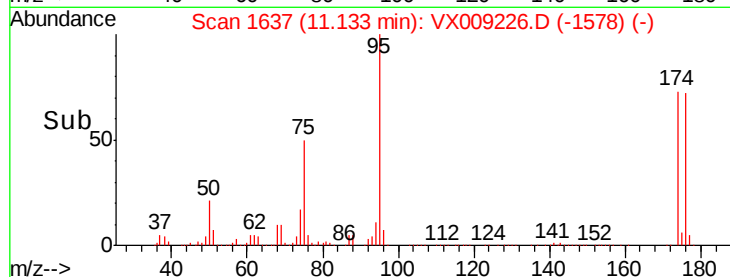
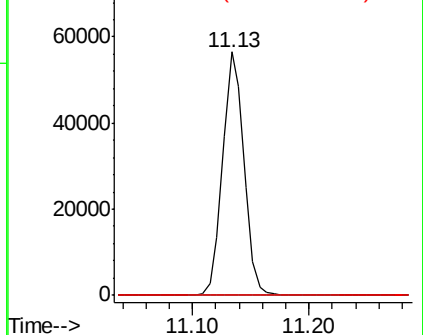
89 0.0 34.7 52.1#



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



#91

1,2-Dichlorobenzene

Concen: 0.427 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009226.D

Acq: 29 Apr 2019 22:36

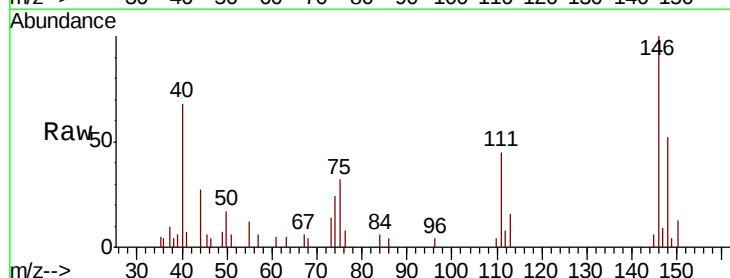
Tgt Ion: 146 Resp: 1828

Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.4

148 62.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

