

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043019\
 Data File : VX009242.D
 Acq On : 30 Apr 2019 13:44
 Operator : JC/SP
 Sample : K2594-02DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423DL

Quant Time: May 01 01:22:00 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	210185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130582	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	139684	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.50	113	99878	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	8.71	98	426017	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.13	95	142777	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

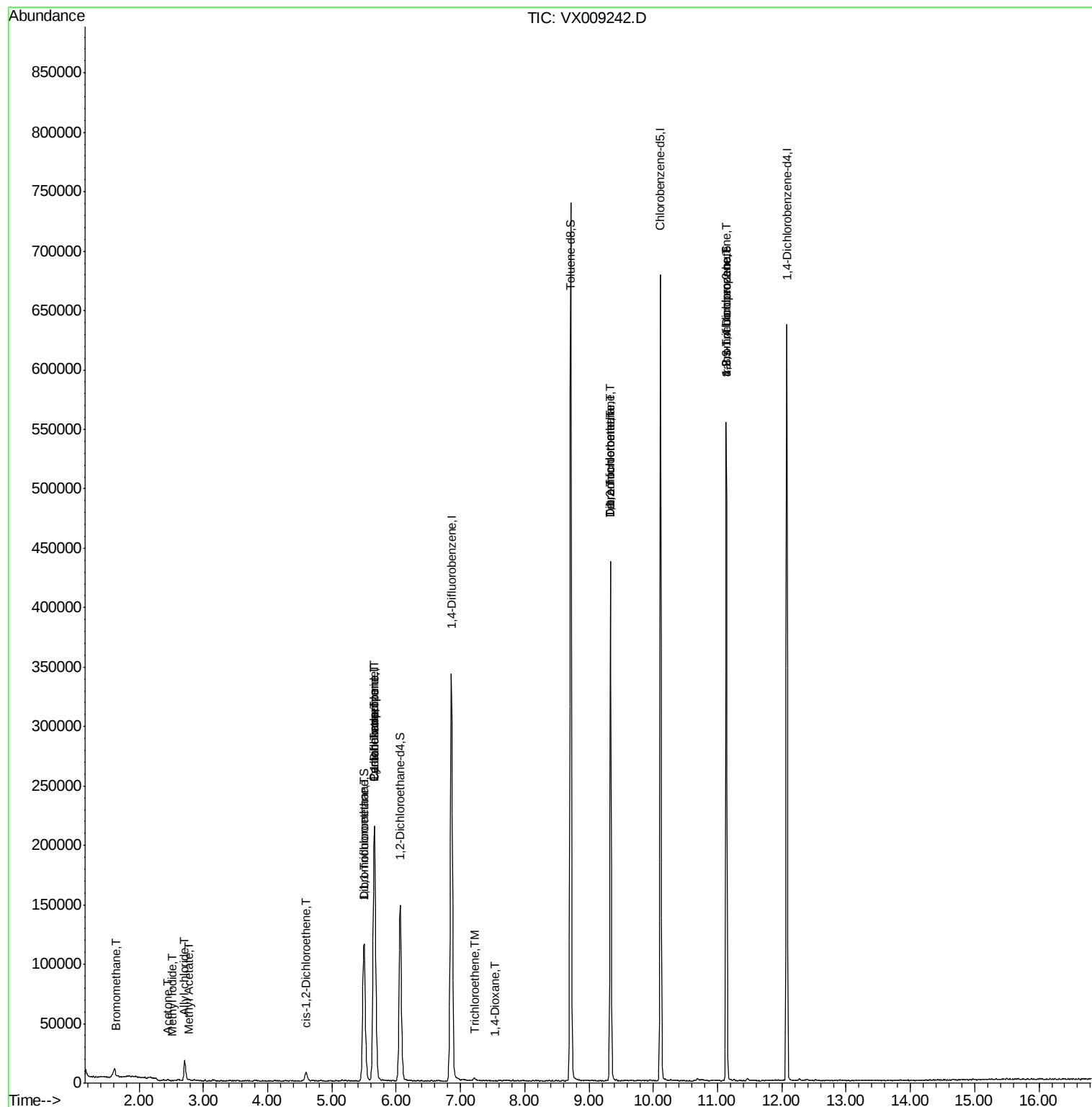
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	469	0.303	ug/l	90
10) Methyl Iodide	2.51	142	42	4.611	ug/l #	42
14) Allyl chloride	2.71	41	19509	4.059	ug/l #	48
16) Acetone	2.44	43	991	0.643	ug/l	96
18) Methyl Acetate	2.78	43	1398	0.382	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	4141	1.622	ug/l	97
28) Bromochloromethane	5.07	49	63	Below Cal	#	20
31) Cyclohexane	5.66	56	4528	1.067	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	695	0.202	ug/l #	44
36) 1,1-Dichloropropene	5.66	75	16958	5.324	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19942	6.890	ug/l #	16
44) Trichloroethene	7.21	130	852	0.357	ug/l	97
49) 1,4-Dioxane	7.54	88	40	0.560	ug/l #	1
55) 1,1,2-Trichloroethane	9.33	97	702	0.287	ug/l #	1
60) Dibromochloromethane	9.34	129	81352	34.070	ug/l #	11
64) Tetrachloroethene	9.34	164	85828	41.810	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	73612	24.302	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	73612	62.180	ug/l #	10

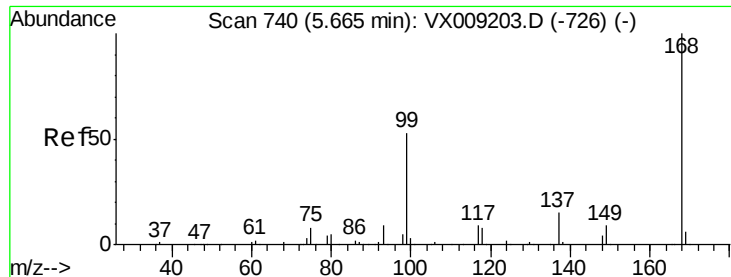
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

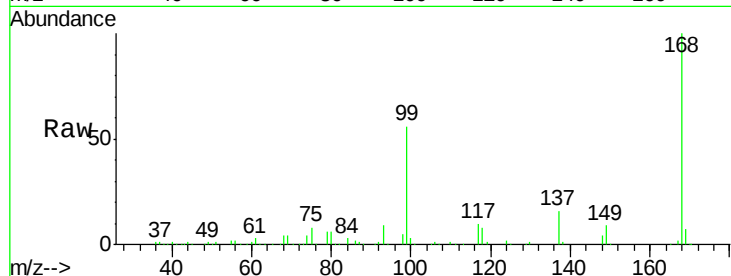
WP021MW352-190423DL

Tot Ion:168 Resp: 210185

Ion Ratio Lower Upper

168 100

99 56.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

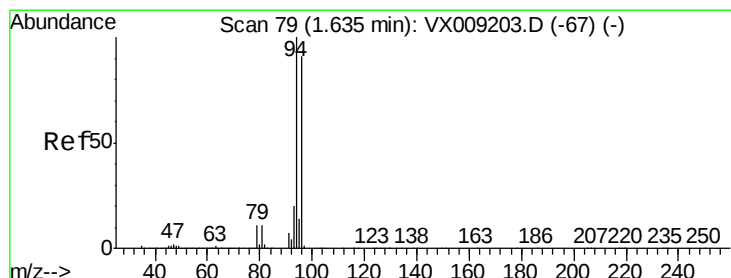
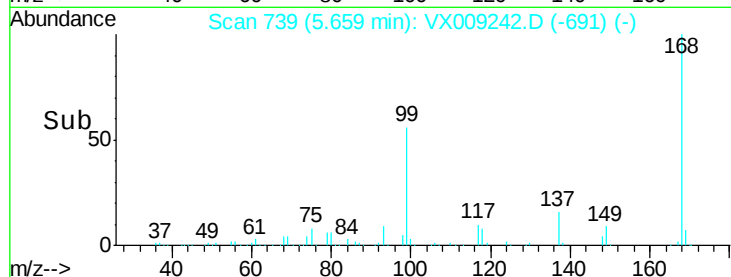
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009242.D

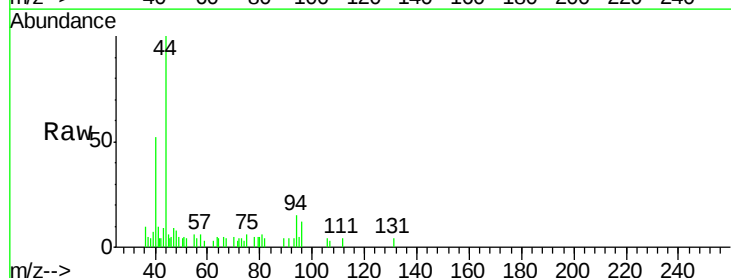
Acq: 30 Apr 2019 13:44

Tgt Ion: 94 Resp: 469

Ion Ratio Lower Upper

94 100

96 82.1 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

250

200

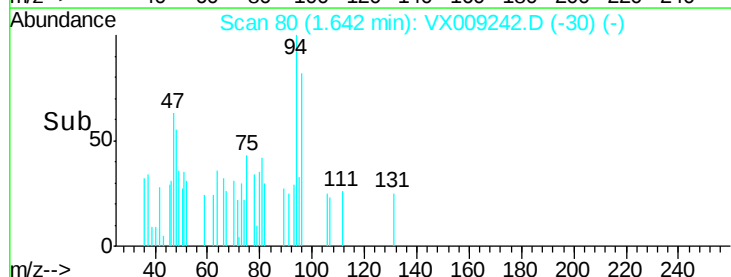
150

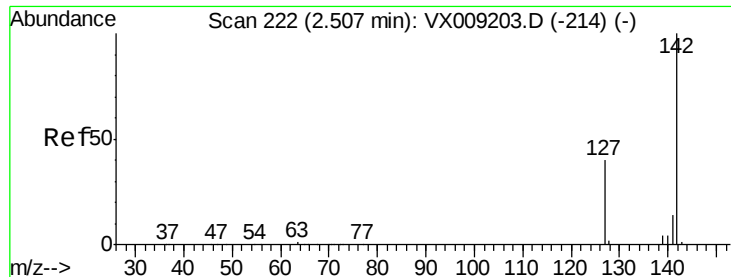
100

50

0

Time--> 1.60 1.65 1.70

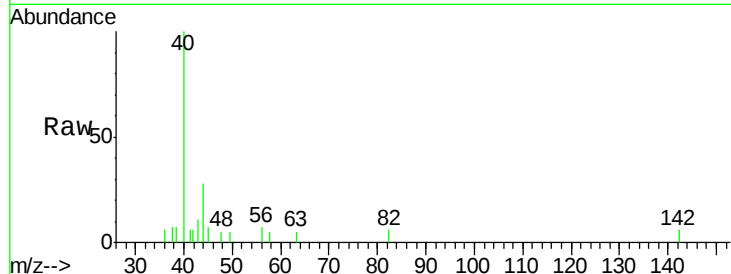




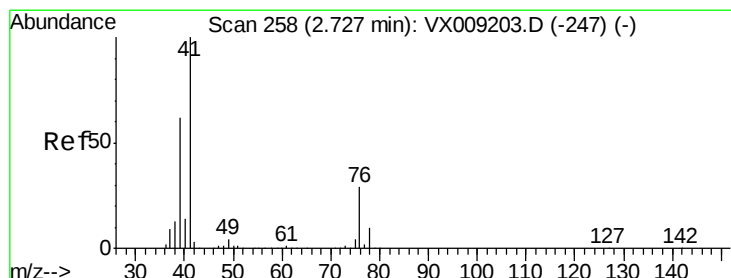
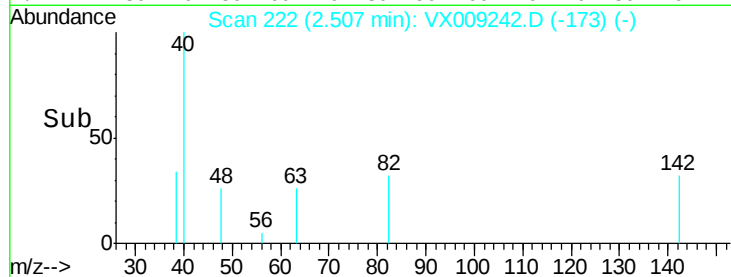
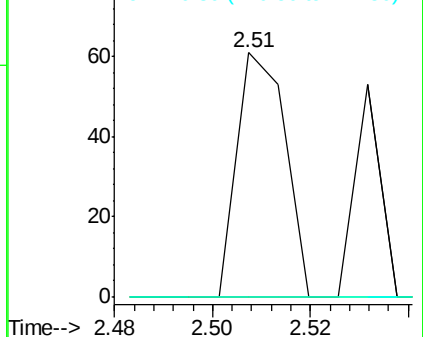
#10
Methvl Iodide
Concen: 4.611 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-190423DL

Tot Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

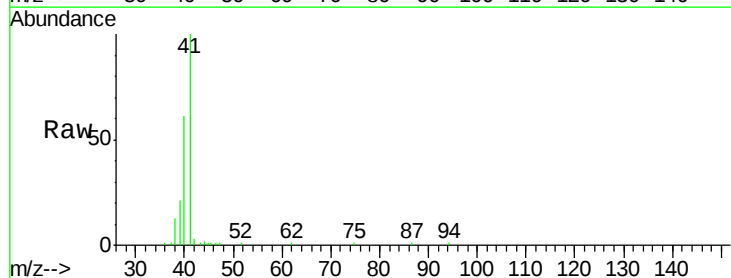


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

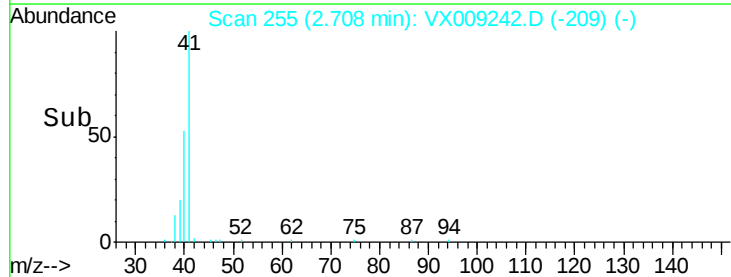
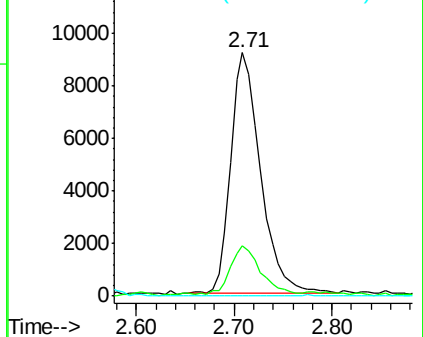


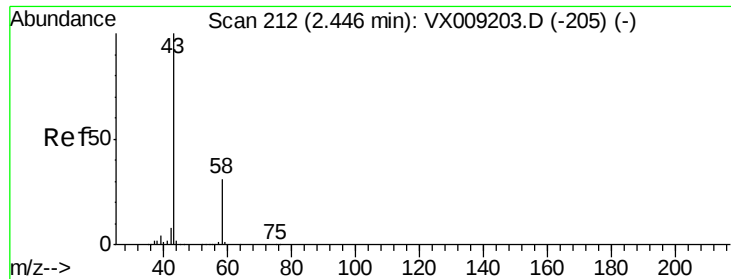
#14
Allyl chloride
Concen: 4.059 ug/l
RT: 2.71 min Scan# 255
Delta R.T. -0.02 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Tgt Ion: 41 Resp: 19509
Ion Ratio Lower Upper
41 100
39 20.2 46.7 70.1#
76 0.0 21.8 32.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 0.643 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

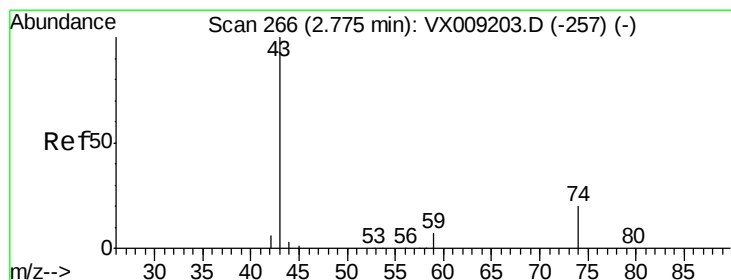
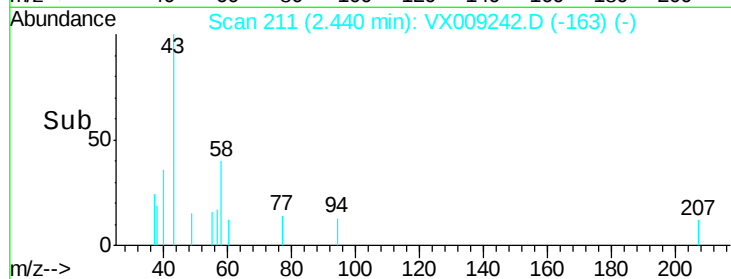
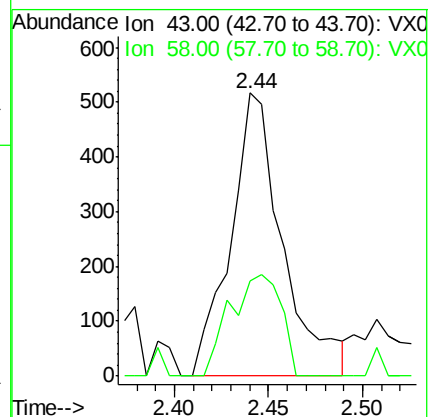
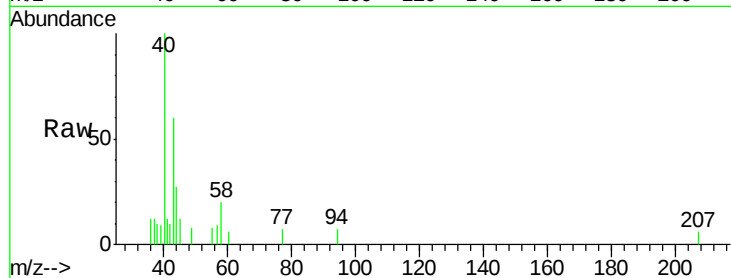
WP021MW352-190423DL

Tot Ion: 43 Resp: 991

Ion Ratio Lower Upper

43 100

58 33.5 24.9 37.3



#18

Methyl Acetate

Concen: 0.382 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009242.D

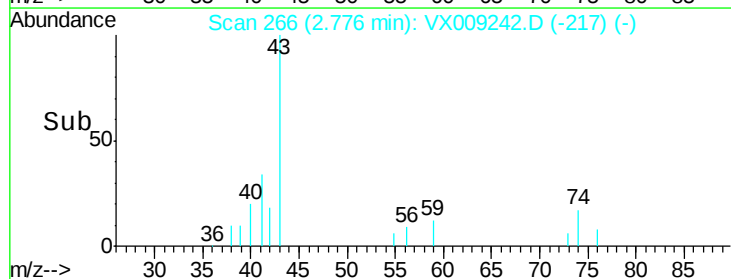
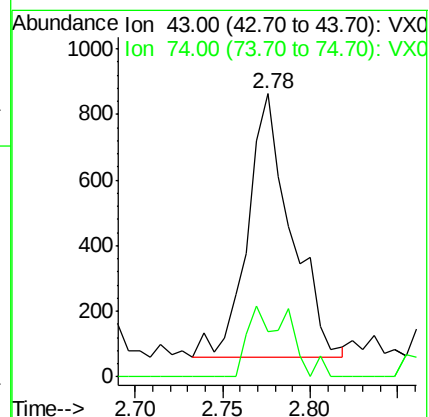
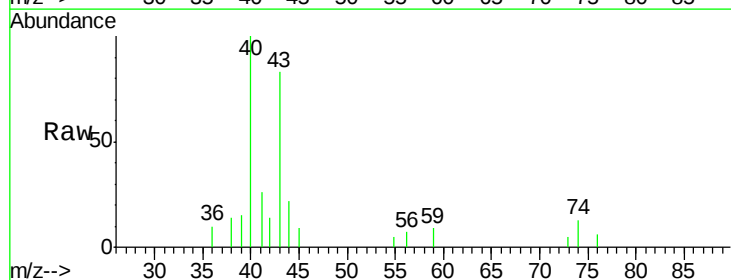
Acq: 30 Apr 2019 13:44

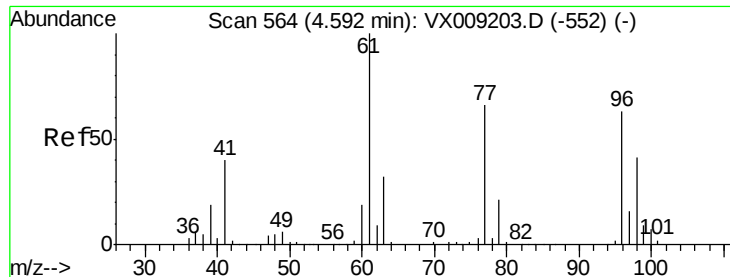
Tgt Ion: 43 Resp: 1398

Ion Ratio Lower Upper

43 100

74 25.3 16.2 24.4#



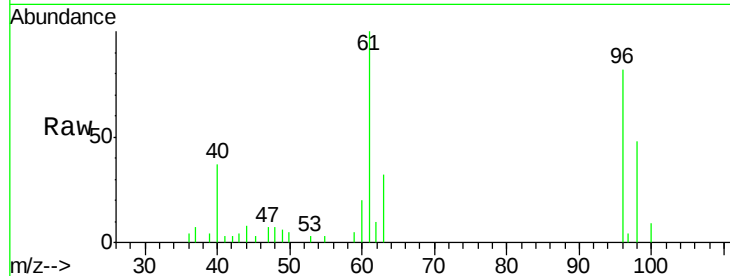


#27

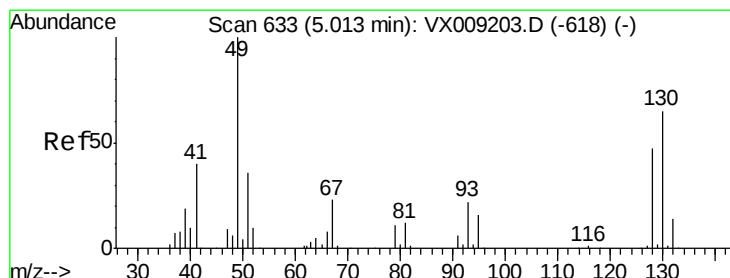
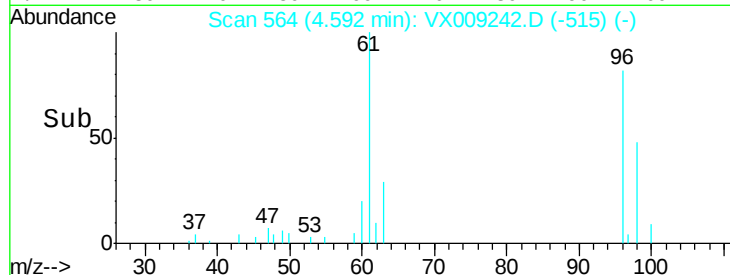
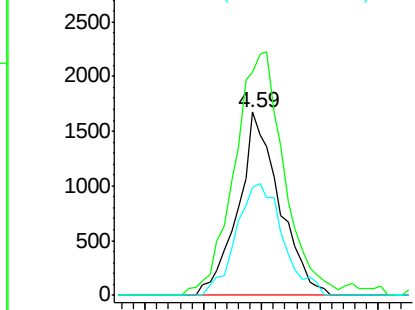
cis-1,2-Dichloroethene
Concen: 1.622 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-190423DL

Tot Ion: 96 Resp: 4141
Ion Ratio Lower Upper
96 100
61 159.8 0.0 324.0
98 68.9 0.0 130.4



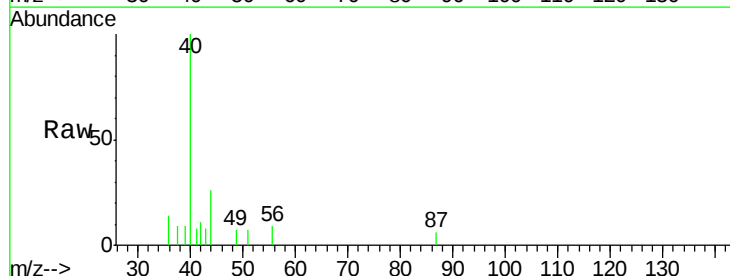
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



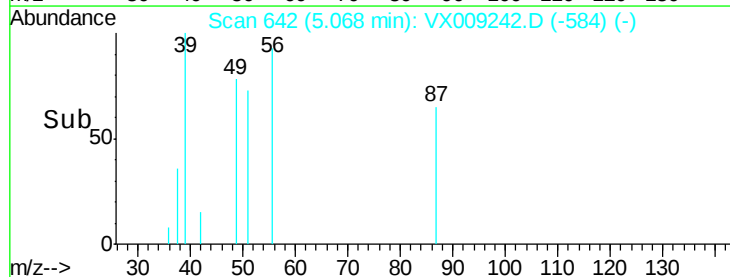
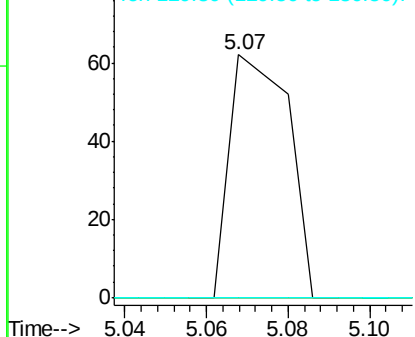
#28

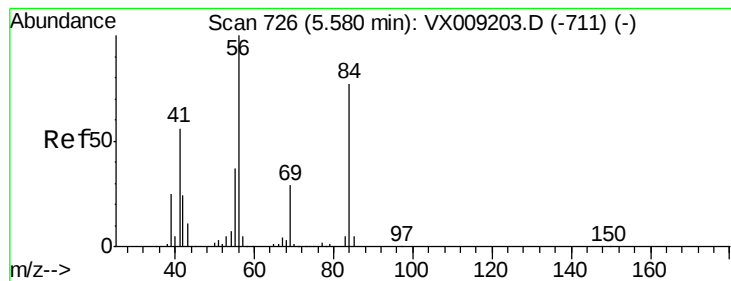
Bromochloromethane
Concen: Below Cal
RT: 5.07 min Scan# 642
Delta R.T. 0.06 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Tgt Ion: 49 Resp: 63
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: 1.067 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-190423DL

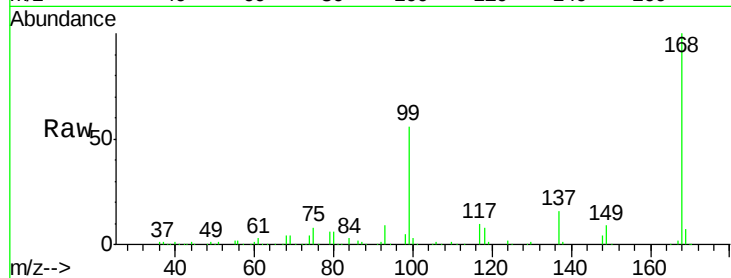
Tot Ion: 56 Resp: 4528

Ion Ratio Lower Upper

56 100

69 178.1 23.4 35.0#

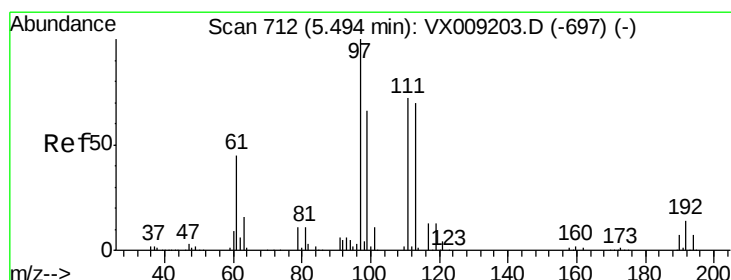
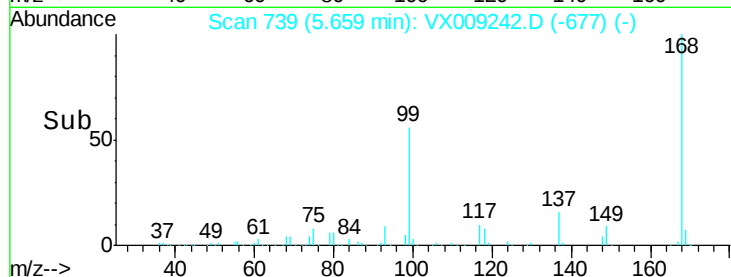
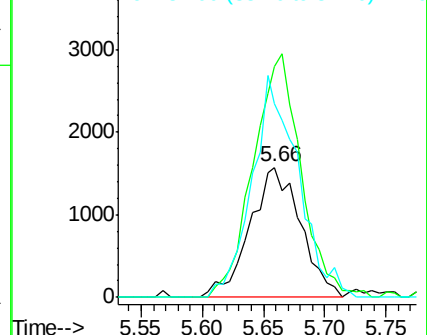
84 149.3 61.9 92.9#



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



#32

1,1,1-Trichloroethane

Concen: 0.202 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

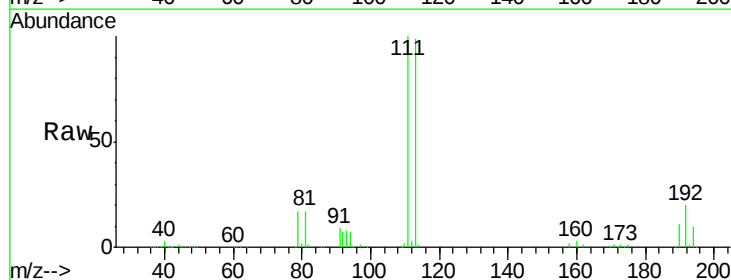
Tgt Ion: 97 Resp: 695

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.8#

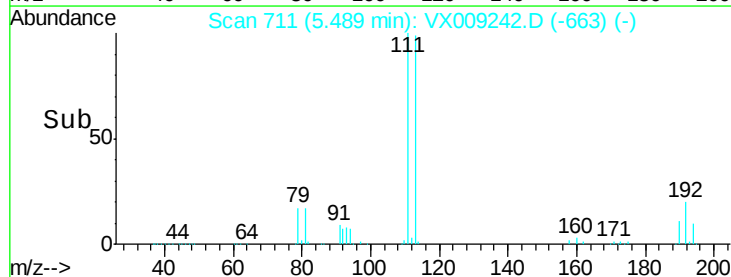
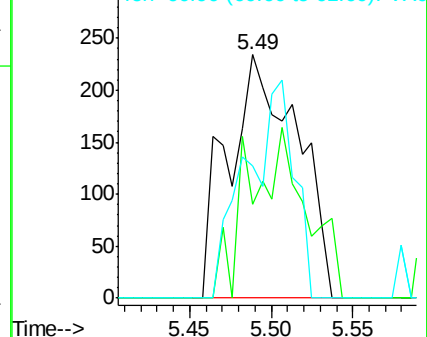
61 61.4 37.8 56.8#

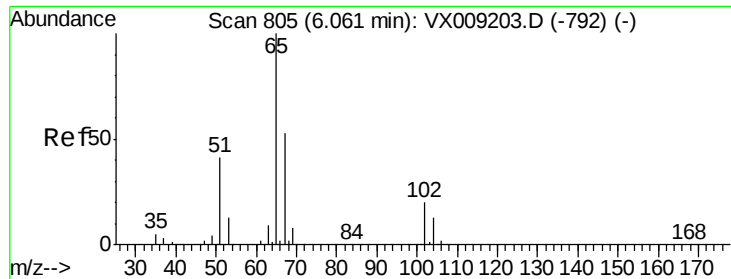


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.683 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

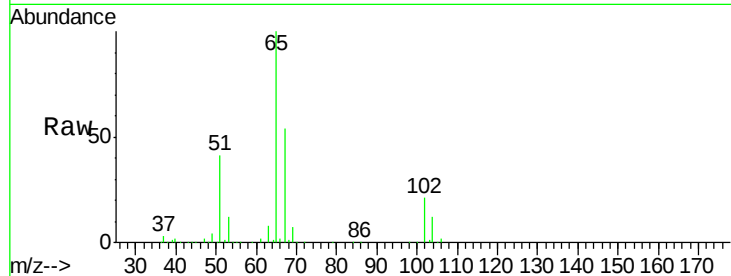
WP021MW352-190423DL

Tot Ion: 65 Resp: 139684

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

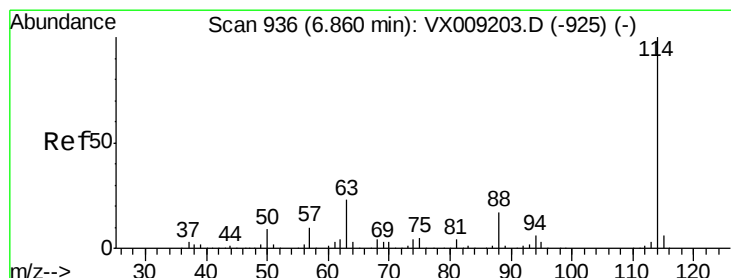
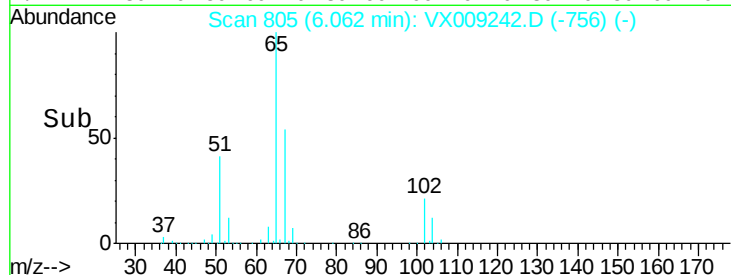
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

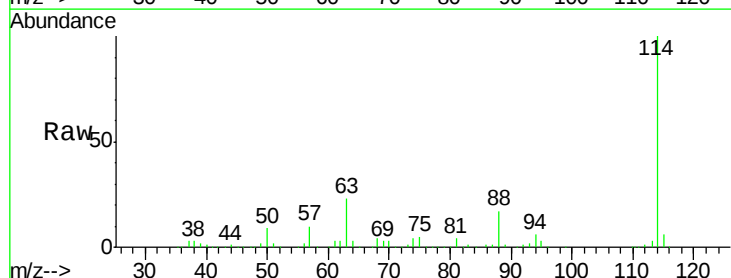
Tgt Ion: 114 Resp: 342772

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

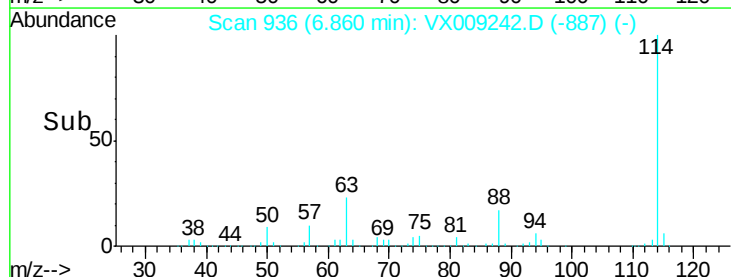
150000

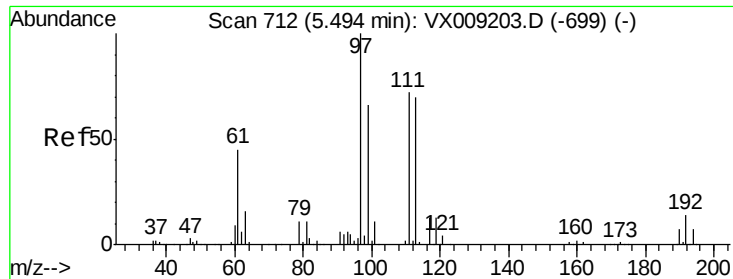
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.351 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-190423DL

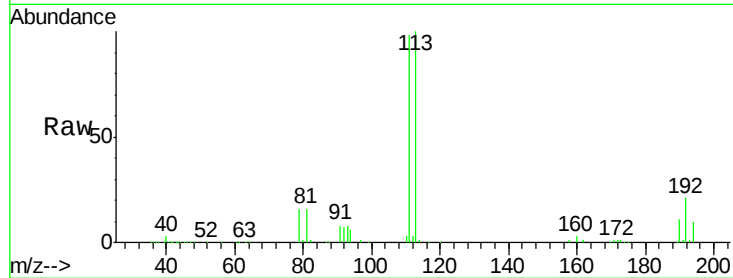
Tot Ion:113 Resp: 99878

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

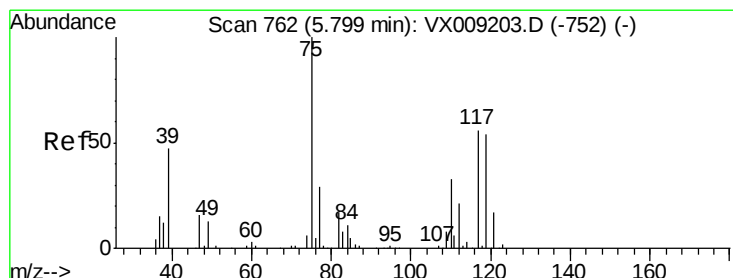
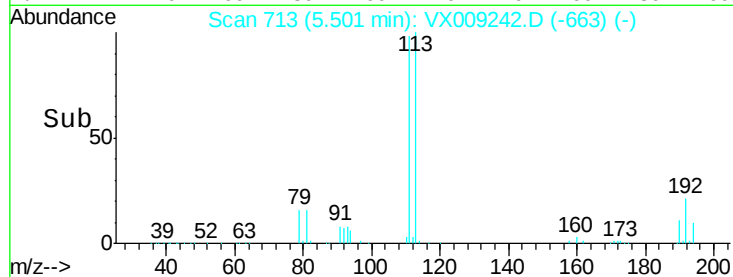
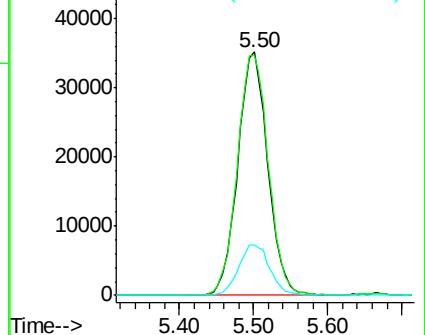
192 21.5 17.0 25.6



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: 5.324 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

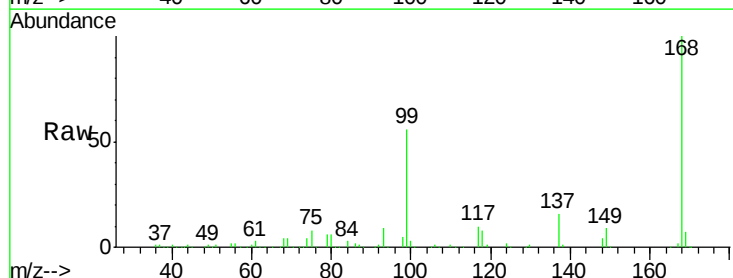
Tgt Ion: 75 Resp: 16958

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

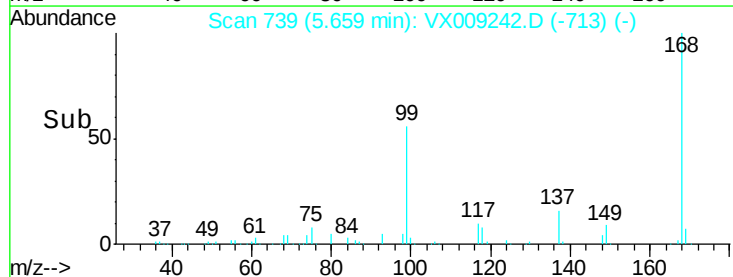
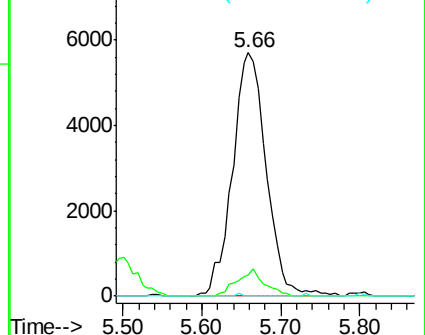
77 0.1 24.8 37.2#

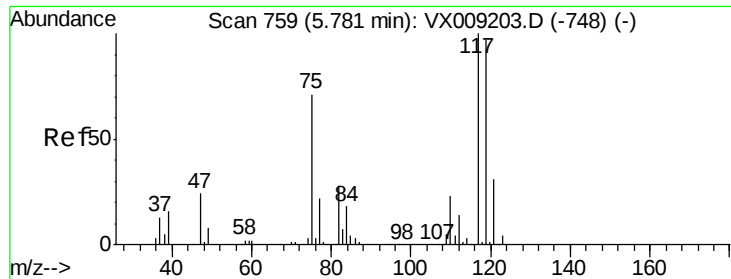


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

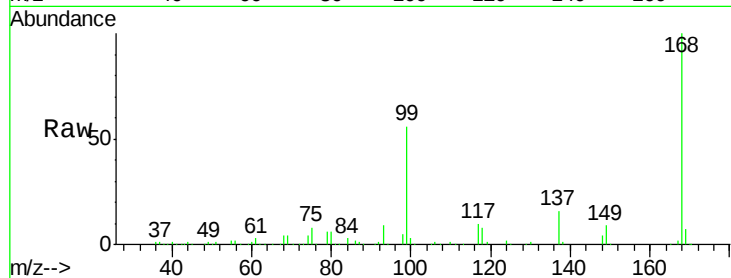




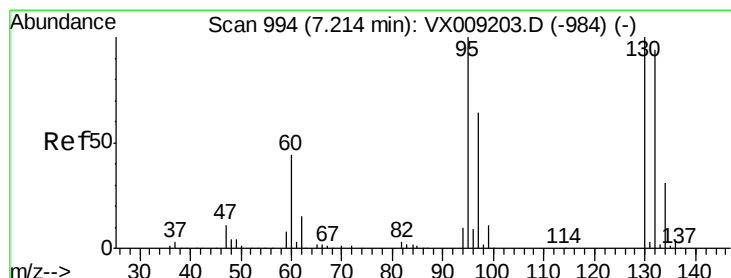
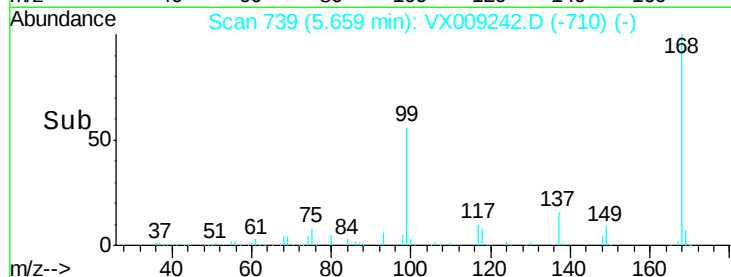
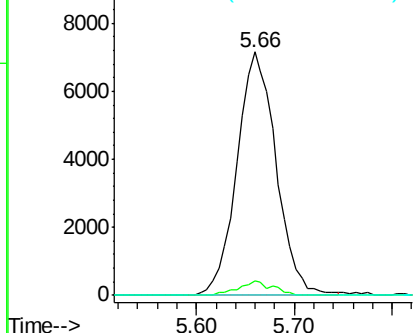
#38
Carbon Tetrachloride
Concen: 6.890 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-190423DL

Tot Ion:117 Resp: 19942
Ion Ratio Lower Upper
117 100
119 5.8 77.5 116.3#
121 0.0 24.7 37.1#

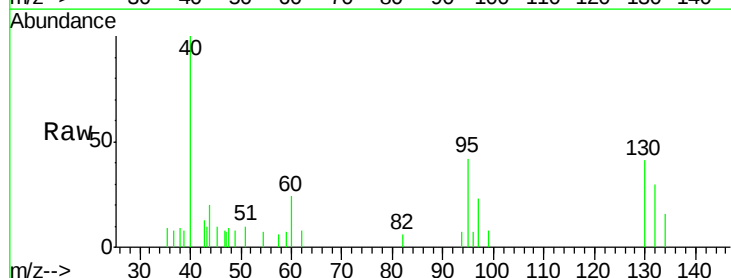


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

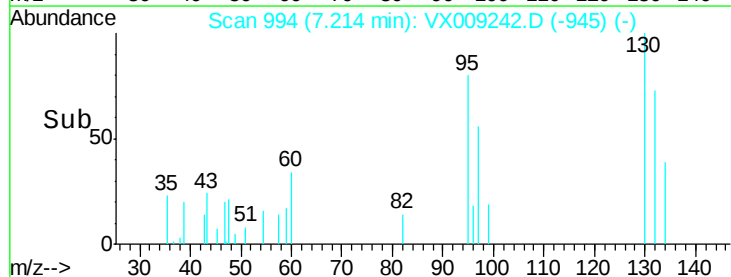
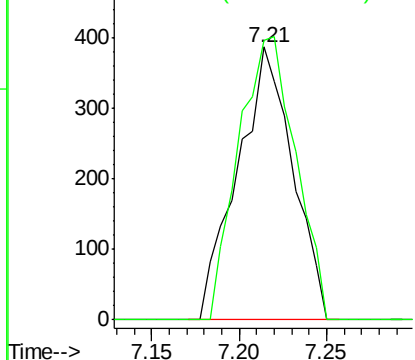


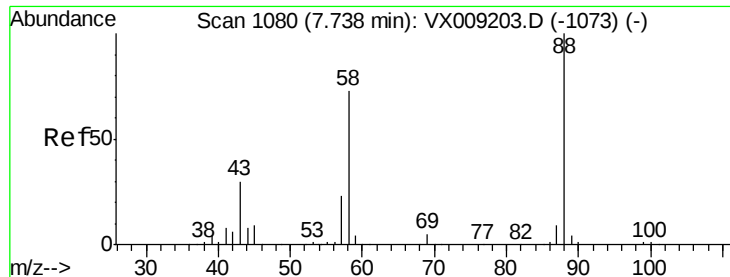
#44
Trichloroethene
Concen: 0.357 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Tgt Ion:130 Resp: 852
Ion Ratio Lower Upper
130 100
95 102.6 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: 0.560 ug/l

RT: 7.54 min Scan# 1047

Delta R.T. -0.20 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-190423DL

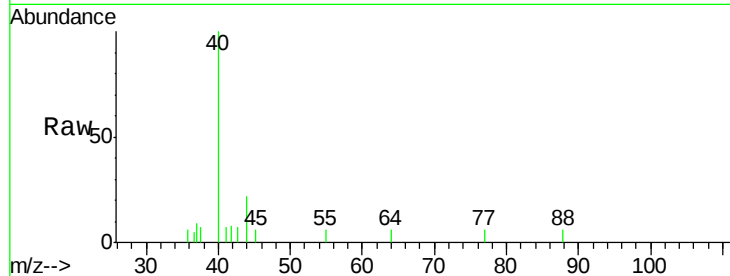
Tot Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 165.0 28.6 42.8#

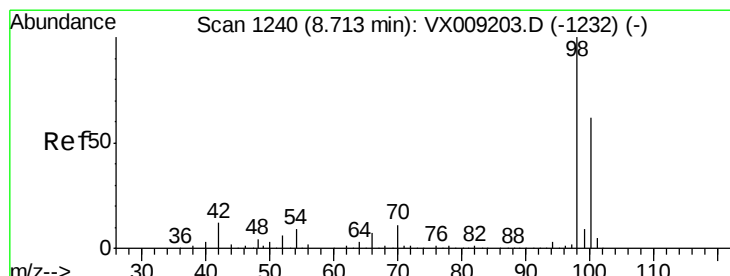
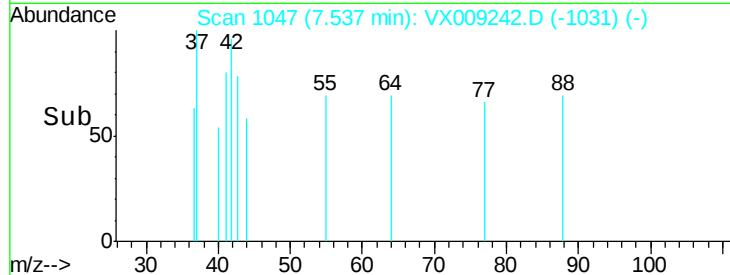
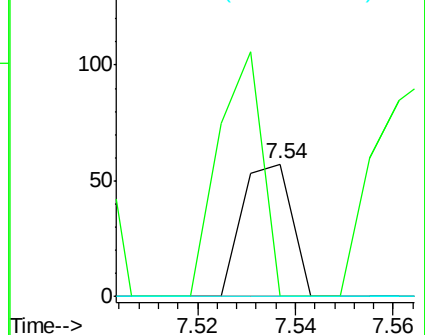
58 0.0 61.7 92.5#



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: 48.970 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009242.D

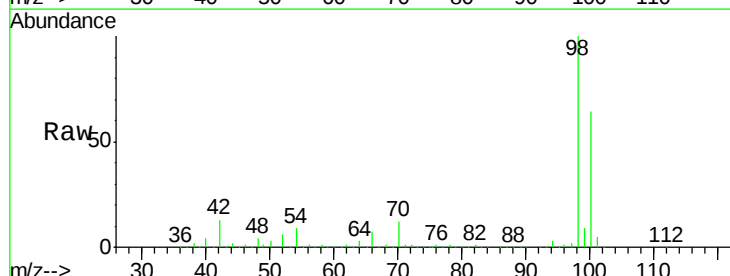
Acq: 30 Apr 2019 13:44

Tgt Ion: 98 Resp: 426017

Ion Ratio Lower Upper

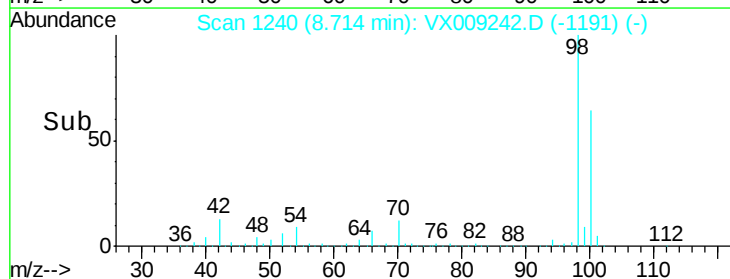
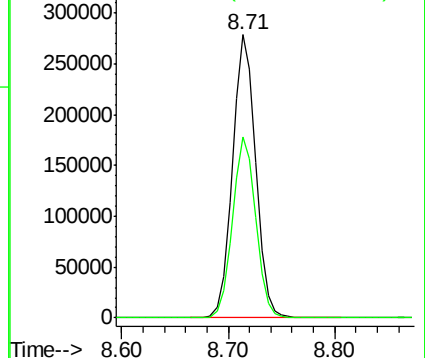
98 100

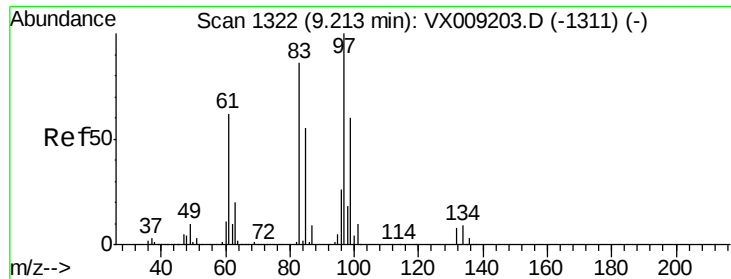
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#55

1,1,2-Trichloroethane

Concen: 0.287 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. 0.12 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-190423DL

Tot Ion: 97 Resp: 702

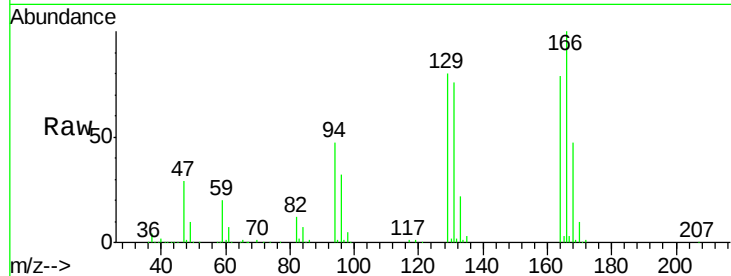
Ion Ratio Lower Upper

97 100

83 344.2 68.9 103.3#

85 38.2 43.8 65.6#

99 36.4 48.2 72.2#

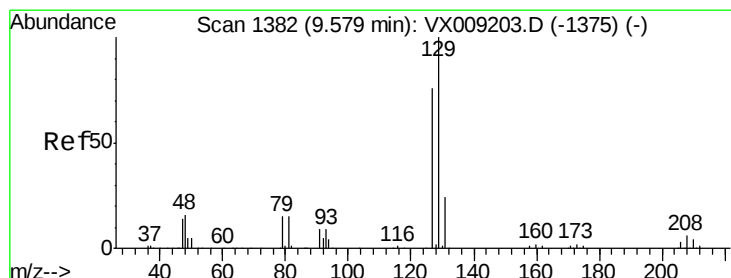
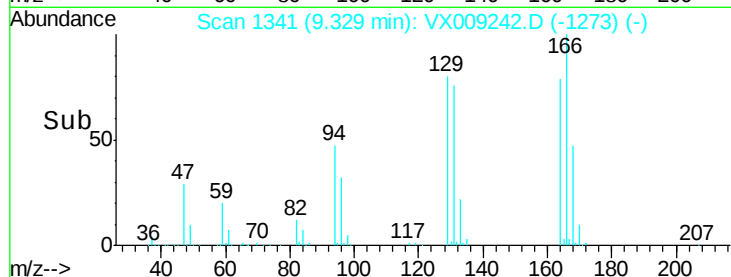
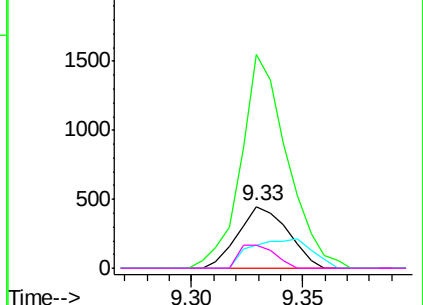


Abundance Ion 96.90 (96.60 to 97.60): VX0

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



#60

Dibromochloromethane

Concen: 34.070 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009242.D

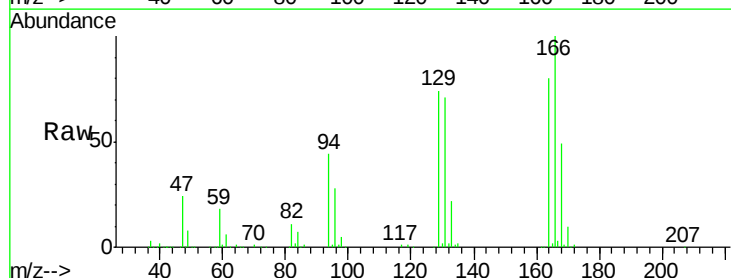
Acq: 30 Apr 2019 13:44

Tgt Ion: 129 Resp: 81352

Ion Ratio Lower Upper

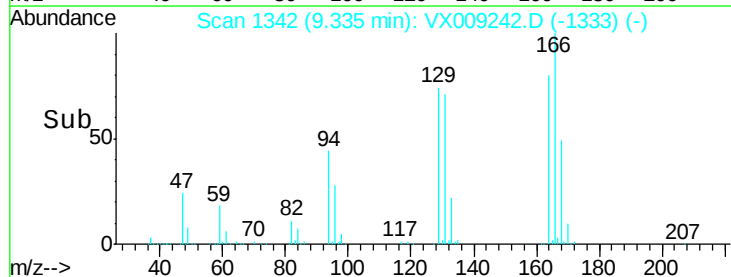
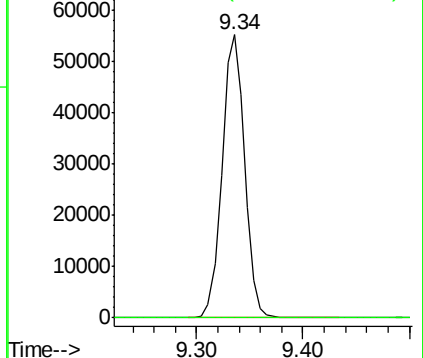
129 100

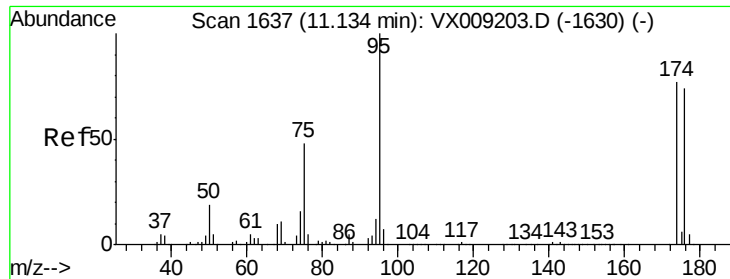
127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.167 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

WP021MW352-190423DL

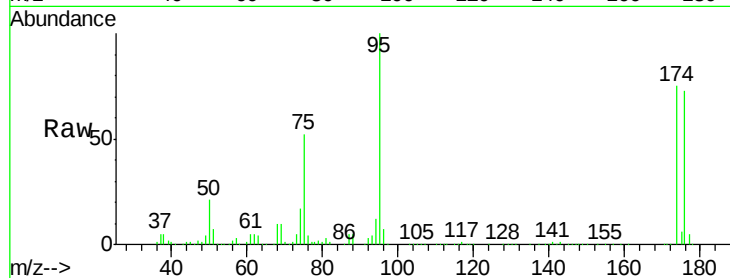
Tot Ion: 95 Resp: 142777

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

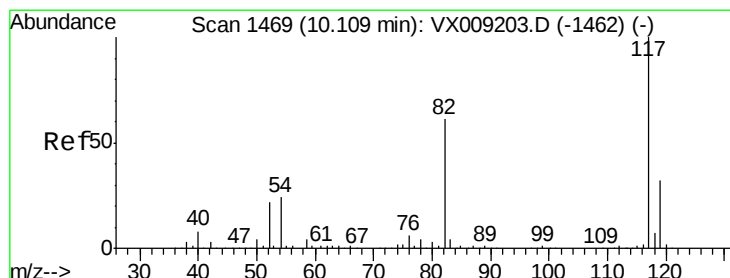
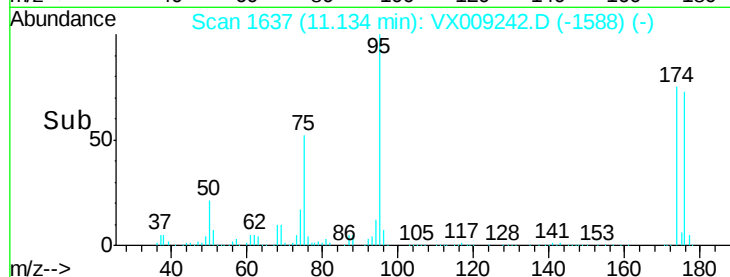
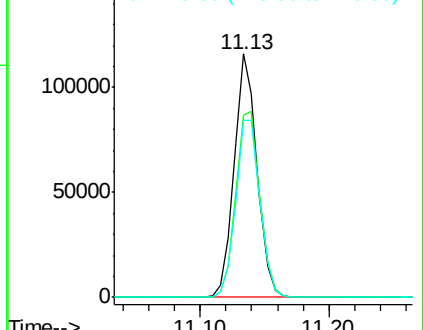
176 78.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009242.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009242.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009242.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

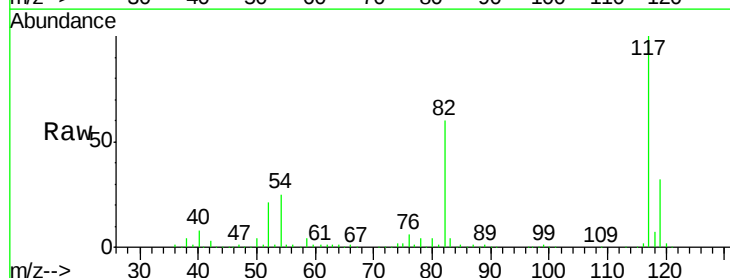
Tgt Ion: 117 Resp: 299266

Ion Ratio Lower Upper

117 100

82 59.7 48.8 73.2

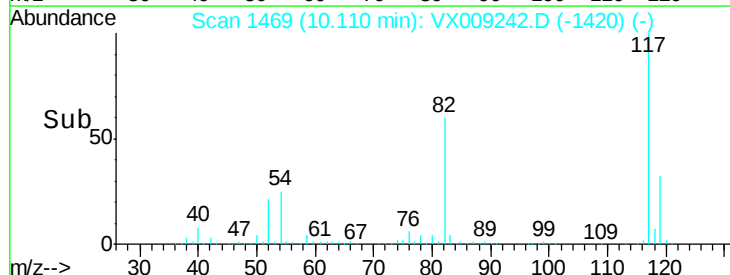
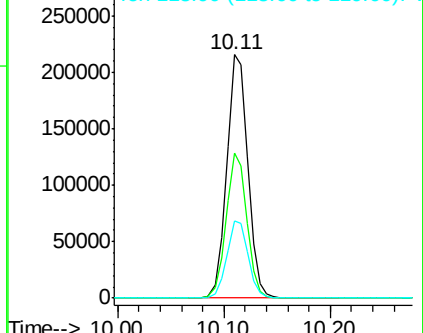
119 31.9 25.8 38.6

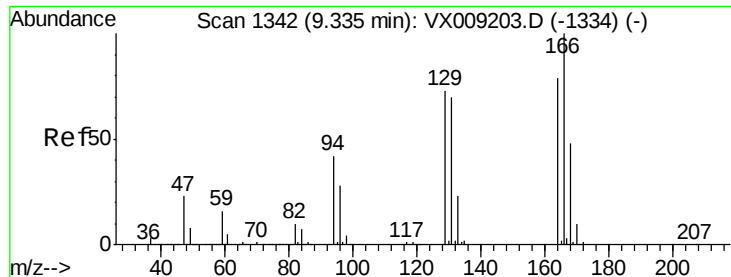


Abundance Ion 116.90 (116.60 to 117.60): VX009242.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009242.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009242.D (-1420) (-)

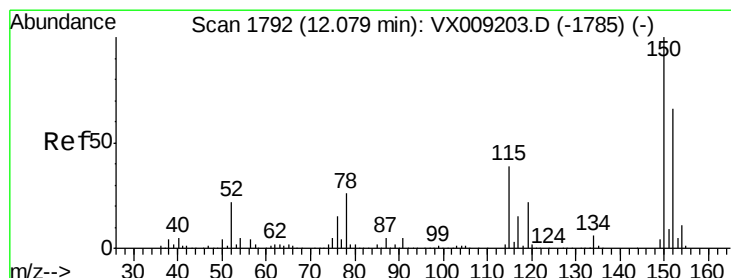
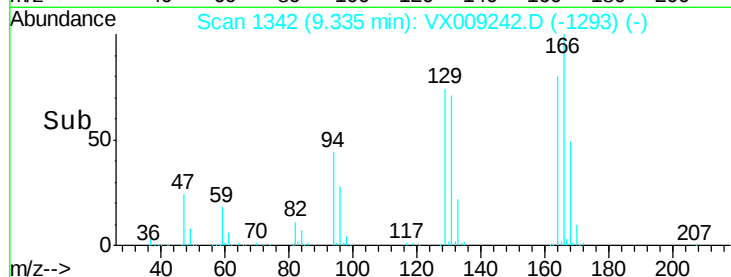
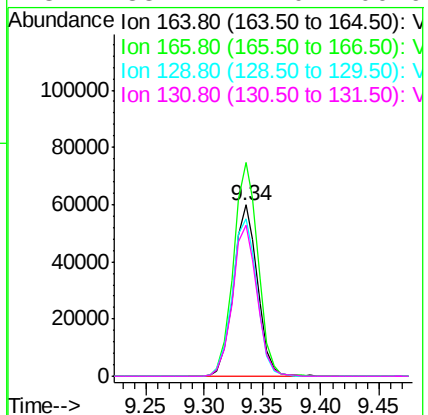
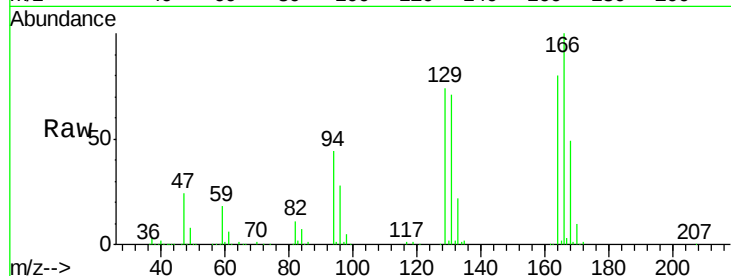




#64
Tetrachloroethene
Concen: 41.810 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

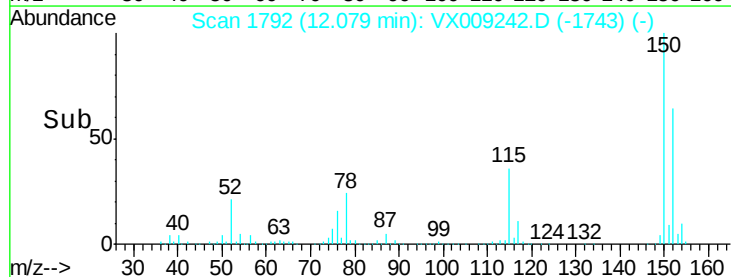
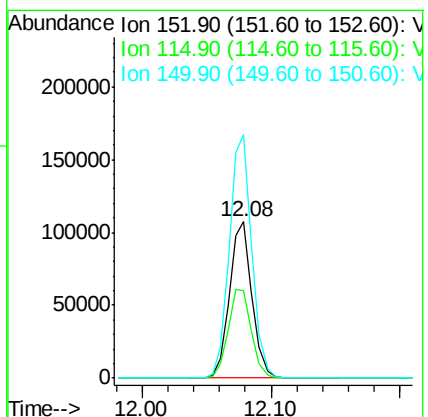
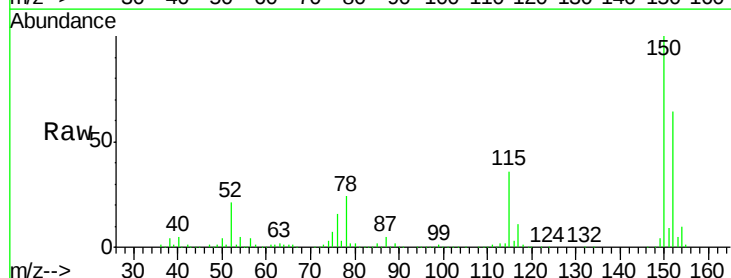
Instrument :
MSVOA_X
ClientSampleId :
WP021MW352-190423DL

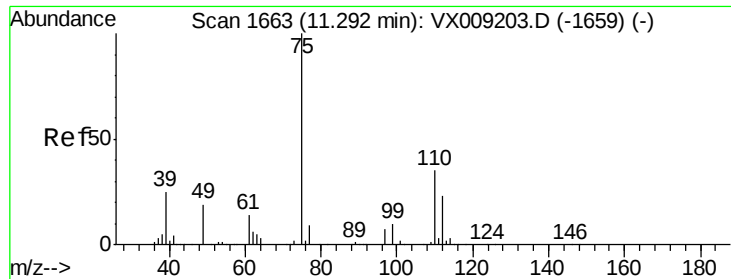
Tot Ion:164 Resp: 85828
Ion Ratio Lower Upper
164 100
166 124.7 101.2 151.8
129 92.1 74.3 111.5
131 88.4 71.0 106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009242.D
Acq: 30 Apr 2019 13:44

Tgt Ion:152 Resp: 130582
Ion Ratio Lower Upper
152 100
115 59.3 41.2 123.6
150 156.5 0.0 346.4

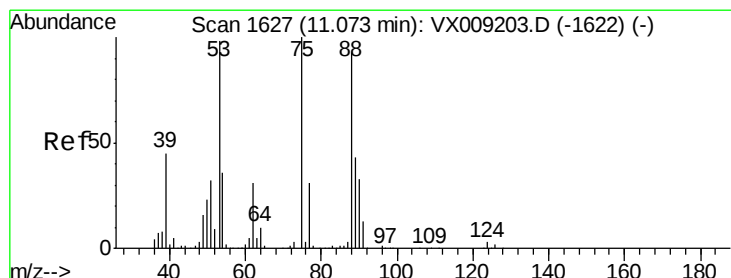
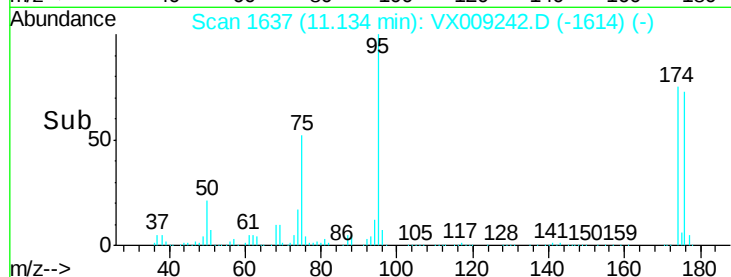
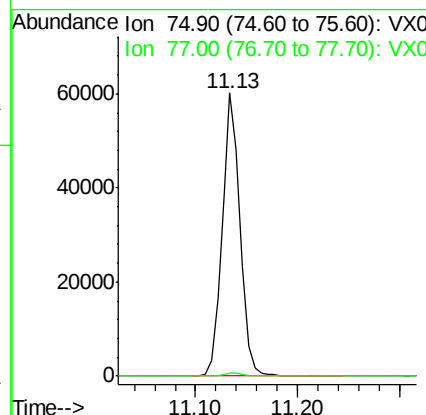
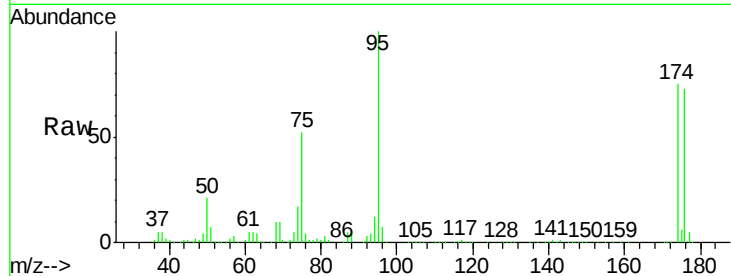




#76
 1,2,3-Trichloropropane
 Concen: 24.302 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009242.D
 Acq: 30 Apr 2019 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW352-190423DL

Tot Ion: 75 Resp: 73612
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.180 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009242.D
 Acq: 30 Apr 2019 13:44

Tgt Ion: 75 Resp: 73612
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

