

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008695.D
 Acq On : 05 Apr 2019 20:29
 Operator : JC/SP
 Sample : K2274-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

Quant Time: Apr 06 03:18:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	212092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	351871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134213	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	143643	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.50	113	106626	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.71	98	445653	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	152410	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	

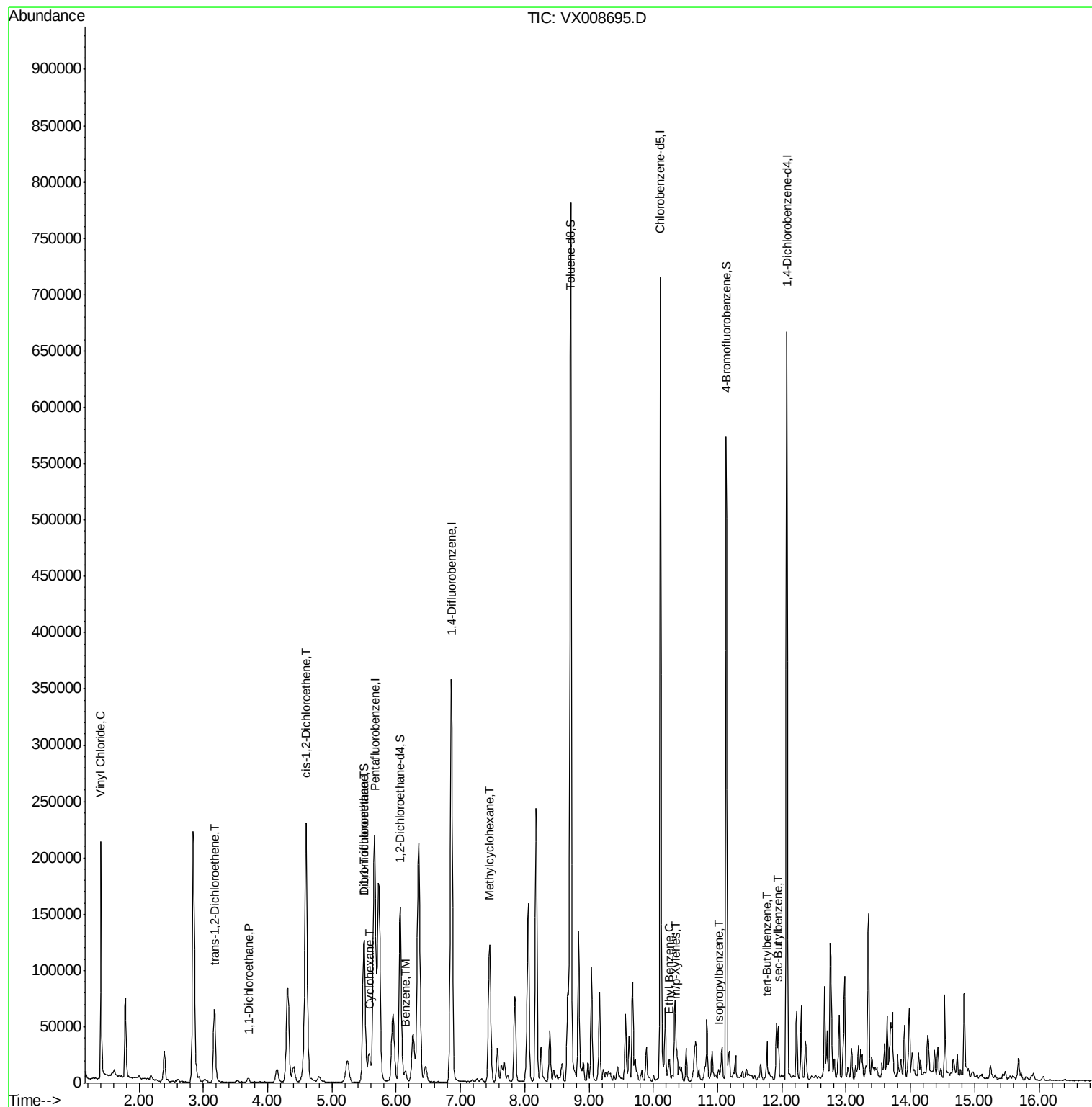
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	147285	44.628	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1760	0.664	ug/l #	73
24) 1,1-Dichloroethane	3.70	63	3660	0.683	ug/l #	97
27) cis-1,2-Dichloroethene	4.60	96	141694	46.468	ug/l	90
31) Cyclohexane	5.58	56	18308	3.425	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	3148	0.814	ug/l #	52
39) Methylcyclohexane	7.46	83	42164	8.874	ug/l #	77
40) Benzene	6.14	78	10163	0.887	ug/l	99
67) Ethyl Benzene	10.25	91	6260	0.494	ug/l	94
68) m/p-Xylenes	10.36	106	1501	0.329	ug/l	93
73) Isopropylbenzene	11.02	105	4135	0.372	ug/l	96
83) tert-Butylbenzene	11.77	119	11670	1.299	ug/l	85
85) sec-Butylbenzene	11.94	105	22180	2.079	ug/l	96

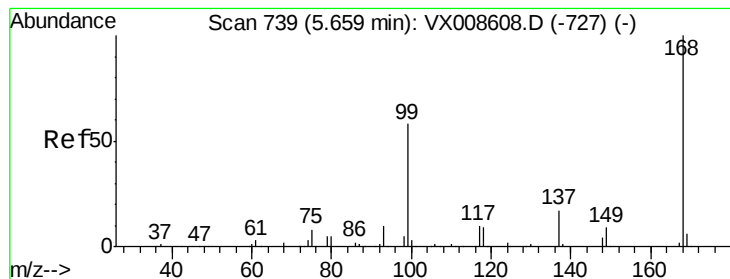
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008695.D

Acq: 05 Apr 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

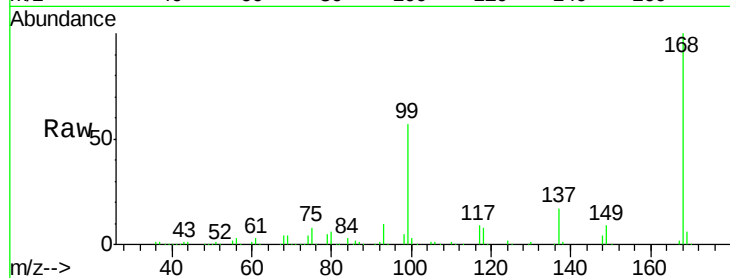
ST006MW148-190402

Tgt Ion:168 Resp: 212092

Ion Ratio Lower Upper

168 100

99 57.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

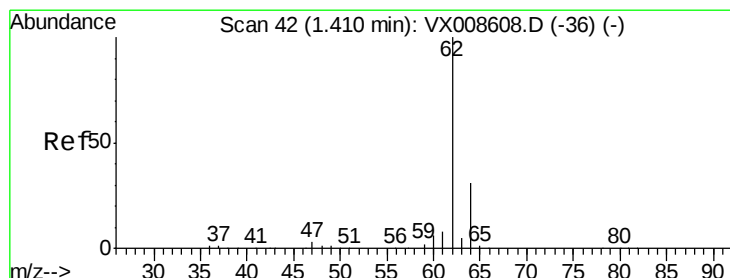
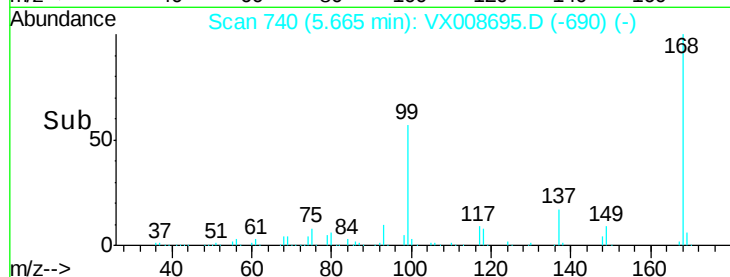
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 44.628 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008695.D

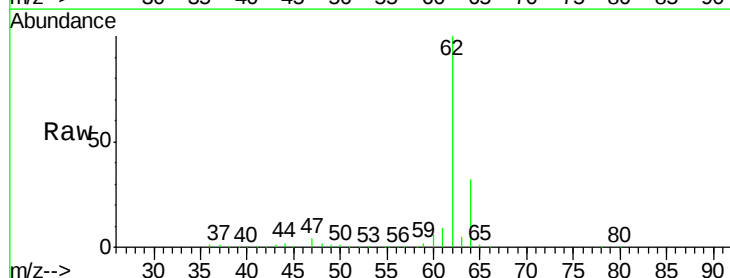
Acq: 05 Apr 2019 20:29

Tgt Ion: 62 Resp: 147285

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

150000

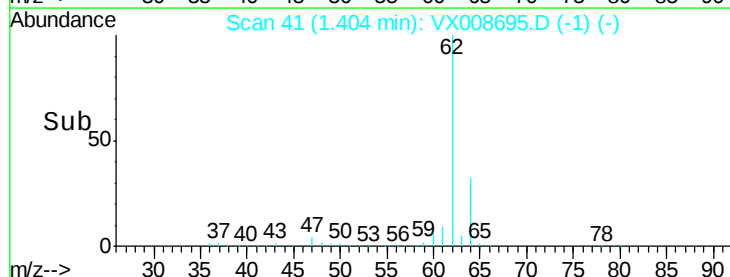
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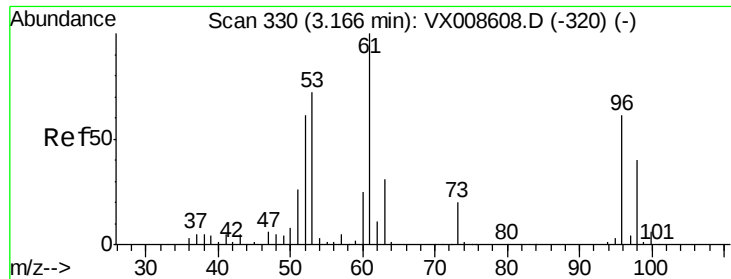
50000

0

Time-->

1.40 1.50





#21

trans-1,2-Dichloroethene

Concen: 0.664 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008695.D

Acq: 05 Apr 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

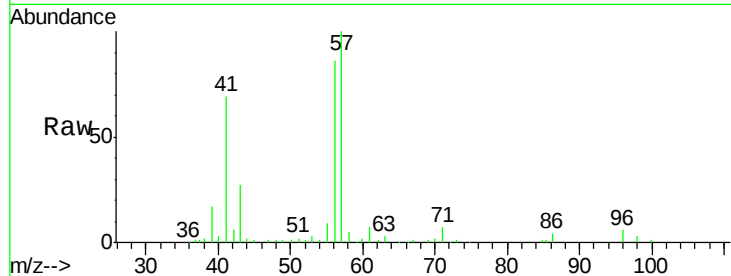
Tgt Ion: 96 Resp: 1760

Ion Ratio Lower Upper

96 100

61 126.4 132.1 198.1#

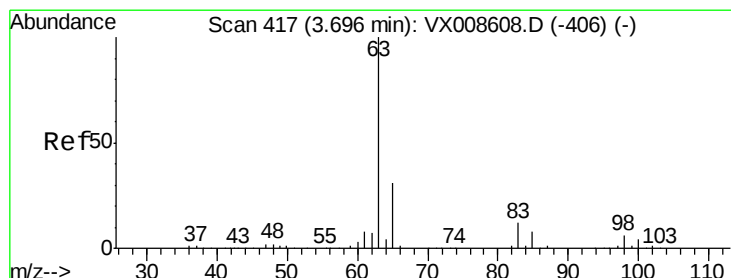
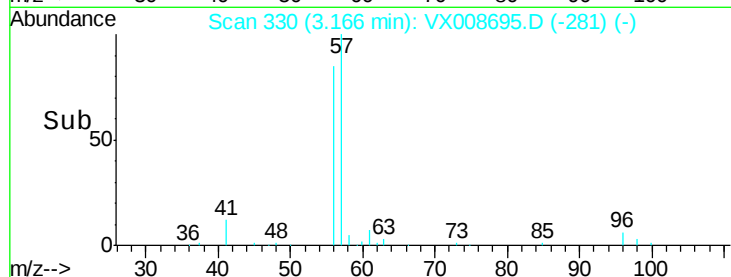
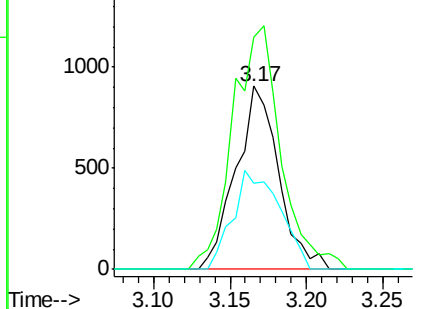
98 47.2 52.2 78.2#



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



#24

1,1-Dichloroethane

Concen: 0.683 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008695.D

Acq: 05 Apr 2019 20:29

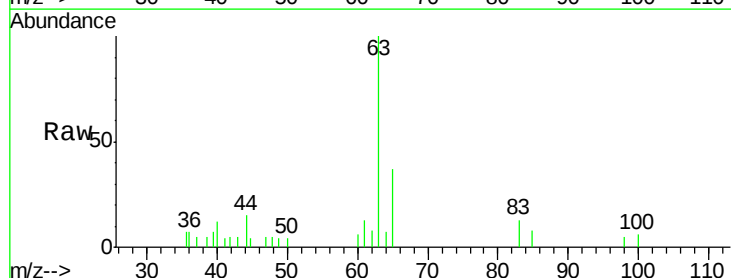
Tgt Ion: 63 Resp: 3660

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

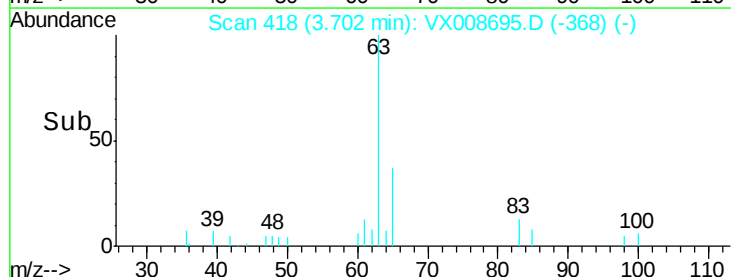
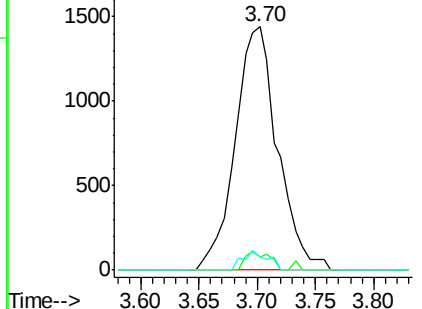
100 5.7 1.8 5.5#

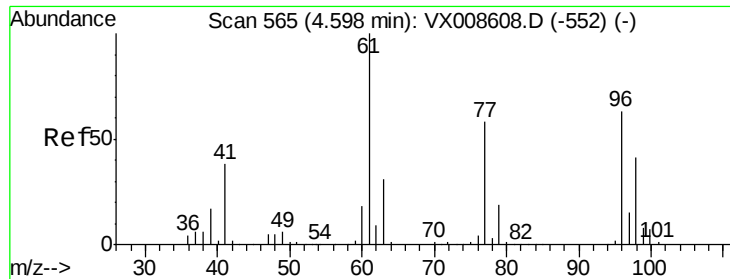


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



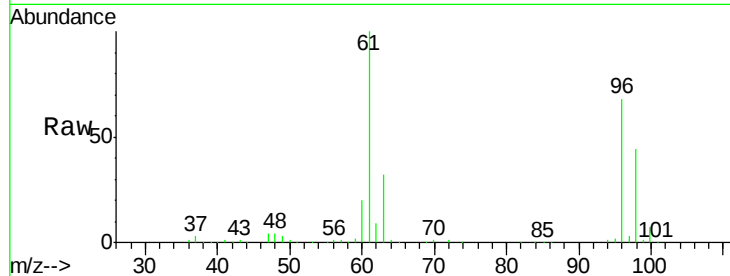


#27

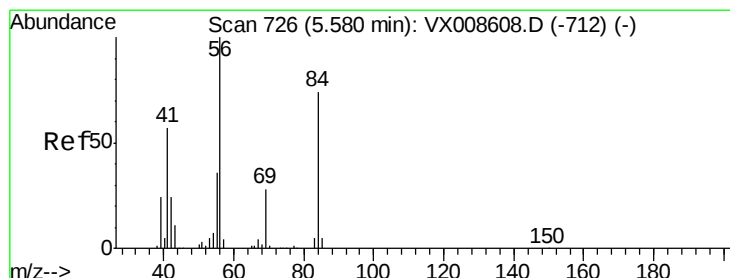
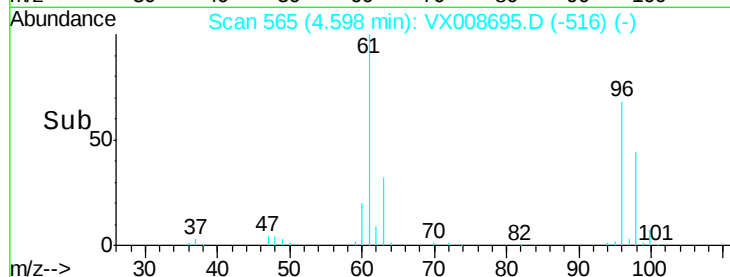
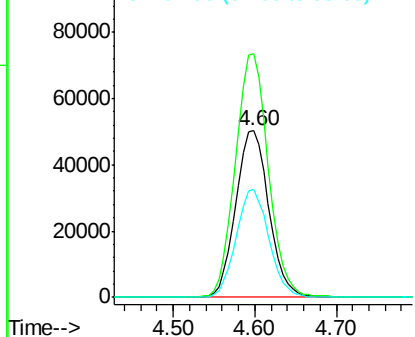
cis-1,2-Dichloroethene
 Concen: 46.468 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008695.D
 Acq: 05 Apr 2019 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

Tgt Ion: 96 Resp: 141694
 Ion Ratio Lower Upper
 96 100
 61 145.4 0.0 327.6
 98 64.4 0.0 128.6



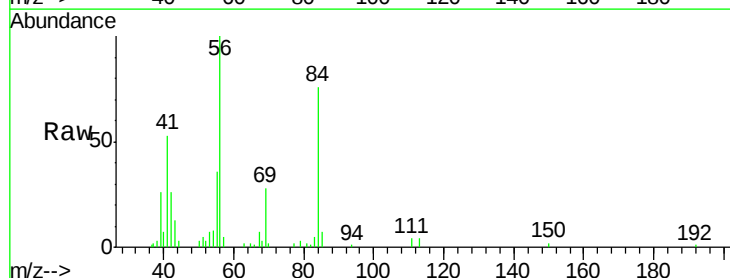
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



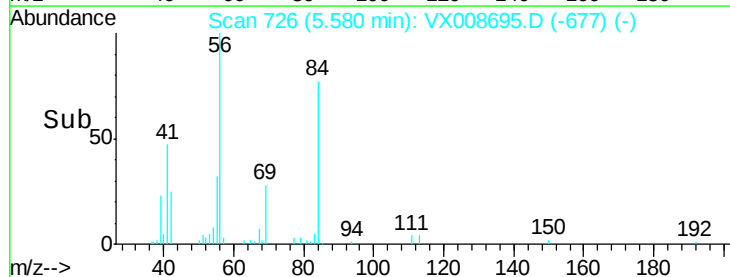
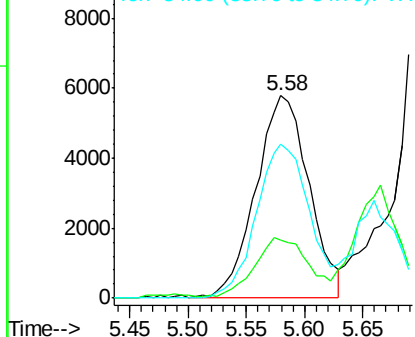
#31

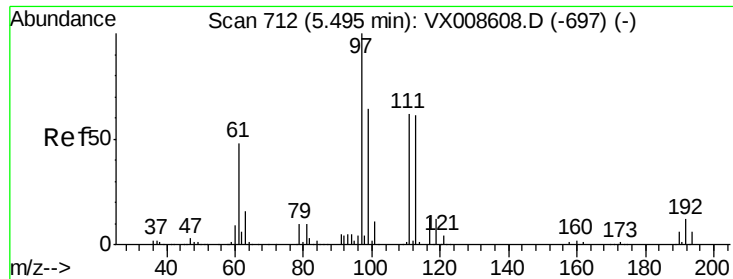
Cyclohexane
 Concen: 3.425 ug/l
 RT: 5.58 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX008695.D
 Acq: 05 Apr 2019 20:29

Tgt Ion: 56 Resp: 18308
 Ion Ratio Lower Upper
 56 100
 69 26.7 22.6 33.8
 84 76.3 59.3 88.9



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: 0.814 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008695.D

Acq: 05 Apr 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

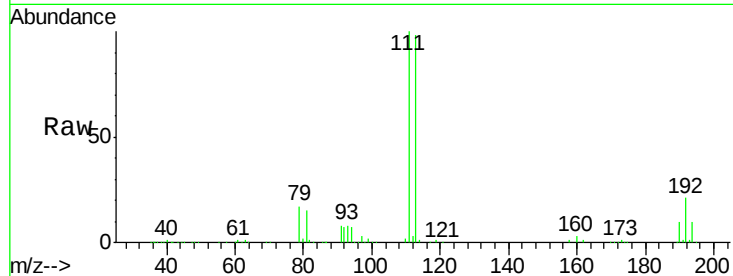
Tgt Ion: 97 Resp: 3148

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

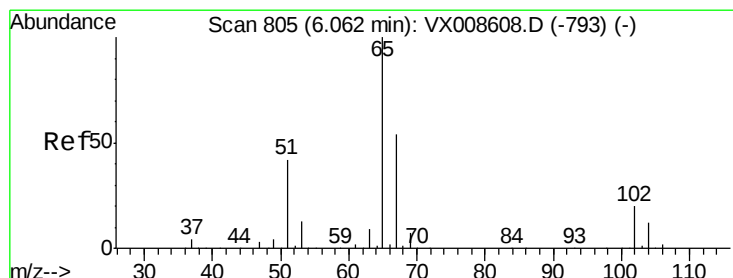
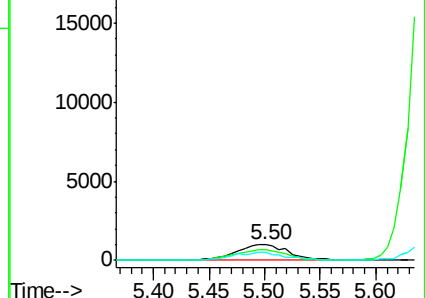
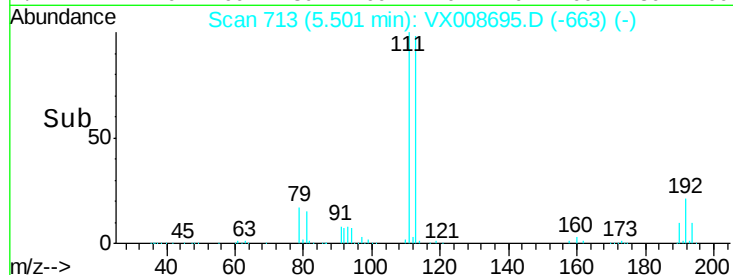
61 51.5 38.9 58.3



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: 46.434 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008695.D

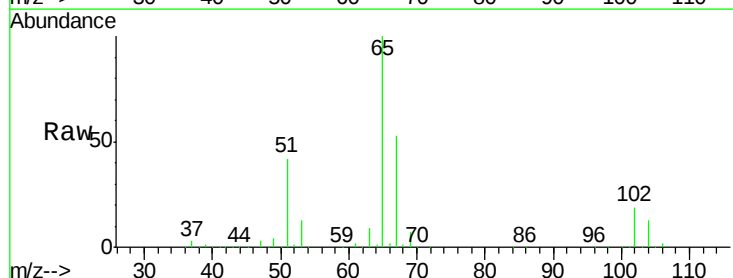
Acq: 05 Apr 2019 20:29

Tgt Ion: 65 Resp: 143643

Ion Ratio Lower Upper

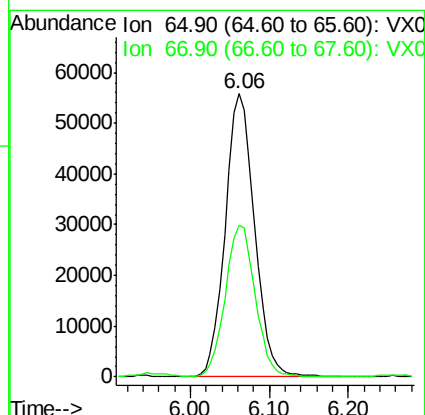
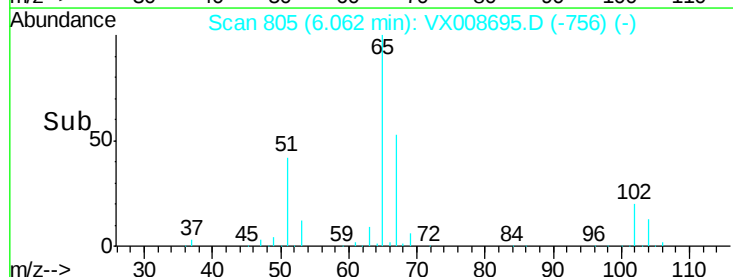
65 100

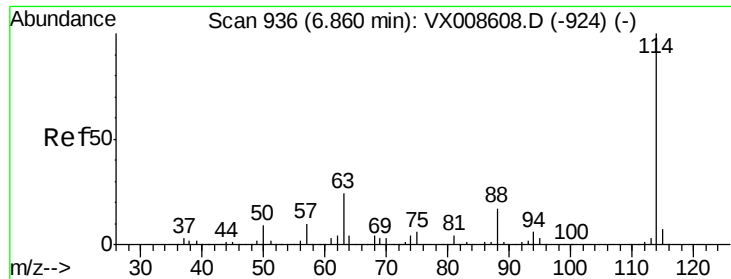
67 54.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

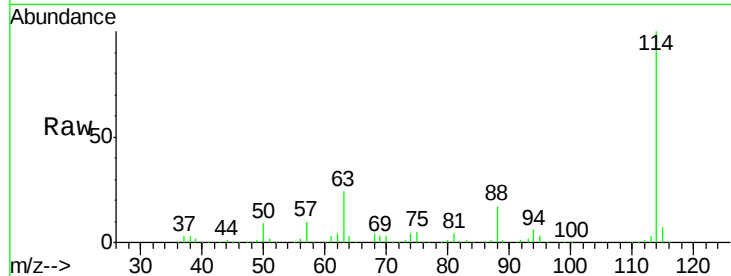




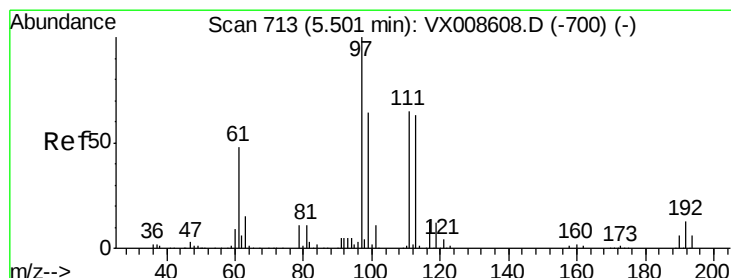
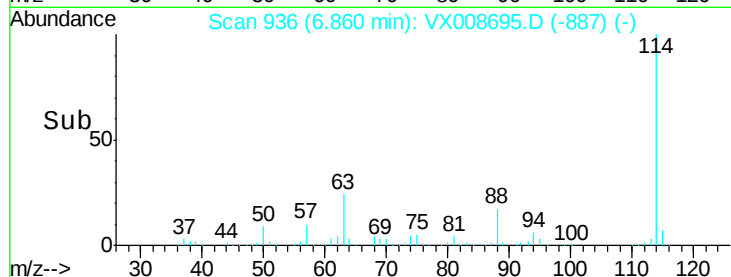
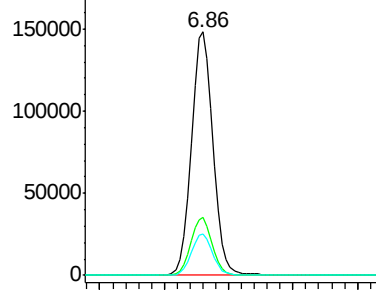
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008695.D
 Acq: 05 Apr 2019 20:29

Instrument :
 MSVOA_X
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 ST006MW148-190402

Tgt Ion:114 Resp: 351871
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 47.2
 88 16.8 0.0 34.0

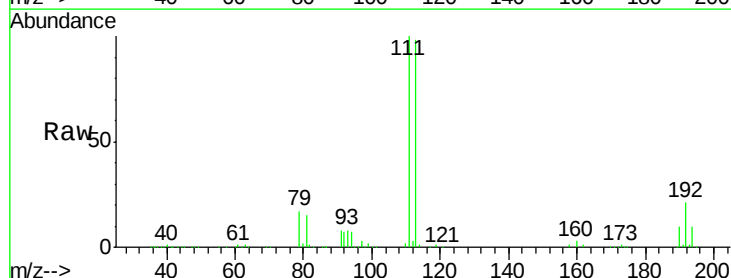


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

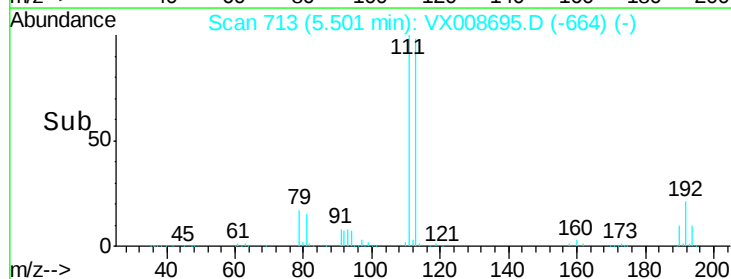
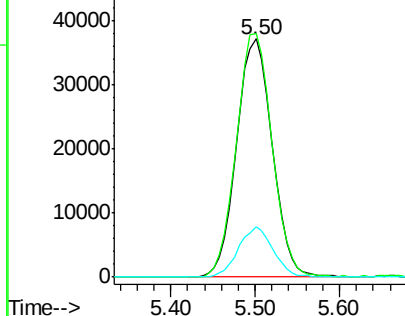


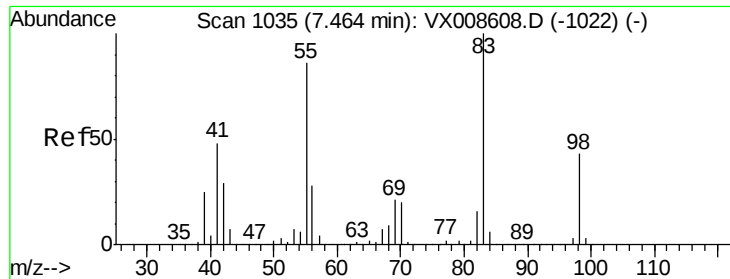
#35
 Dibromofluoromethane
 Concen: 47.395 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008695.D
 Acq: 05 Apr 2019 20:29

Tgt Ion:113 Resp: 106626
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.2
 192 20.5 16.1 24.1



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

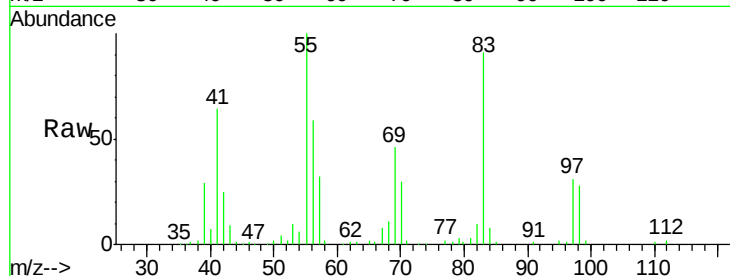




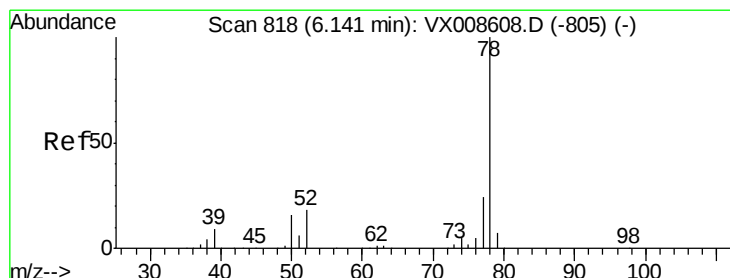
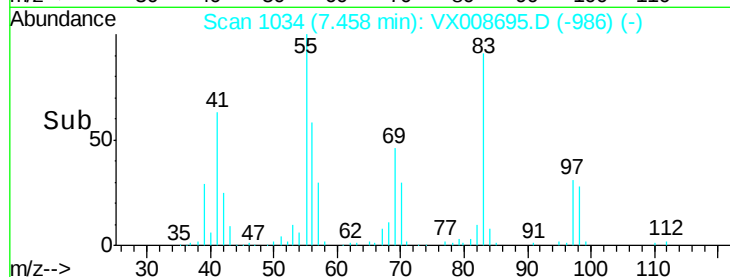
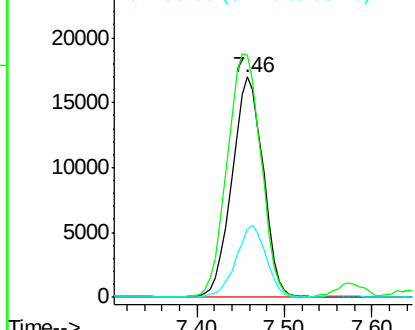
#39
Methylcyclohexane
Concen: 8.874 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

Instrument :
MSVOA_X
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ST006MW148-190402

Tgt Ion: 83 Resp: 42164
Ion Ratio Lower Upper
83 100
55 109.8 69.0 103.6#
98 30.9 34.4 51.6#

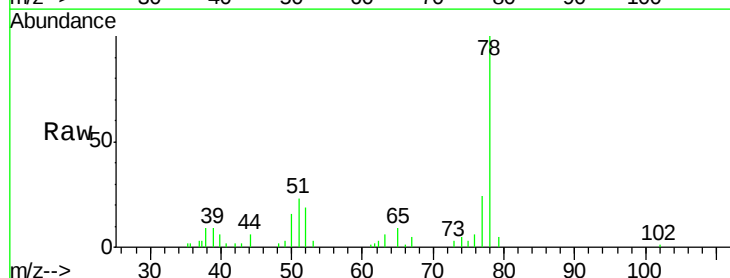


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

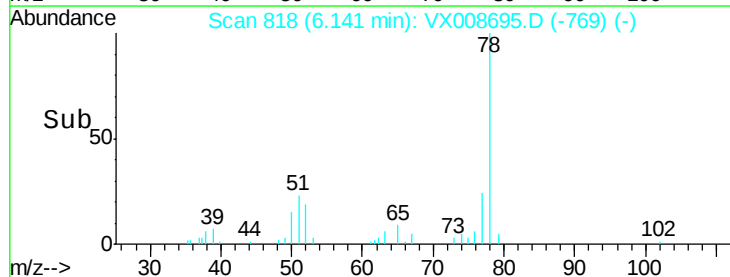
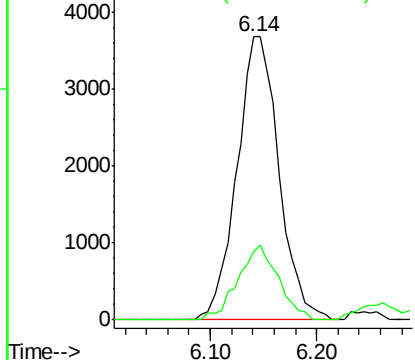


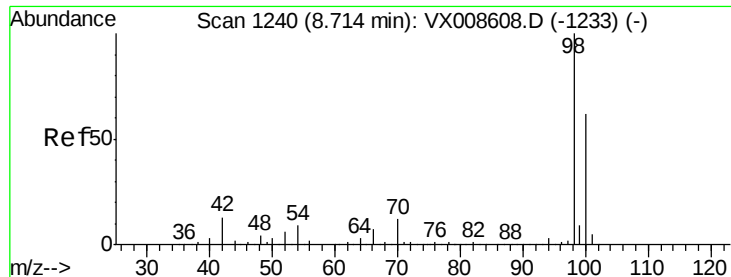
#40
Benzene
Concen: 0.887 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

Tgt Ion: 78 Resp: 10163
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

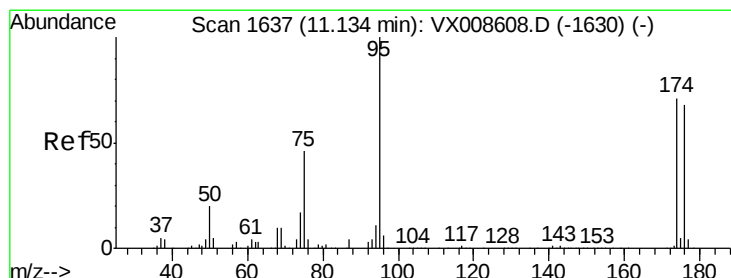
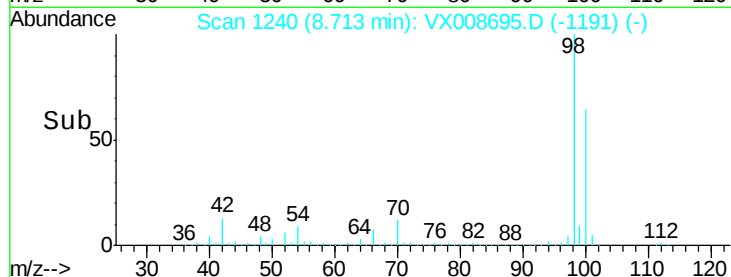
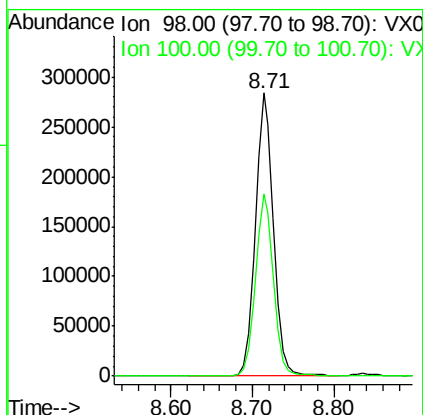
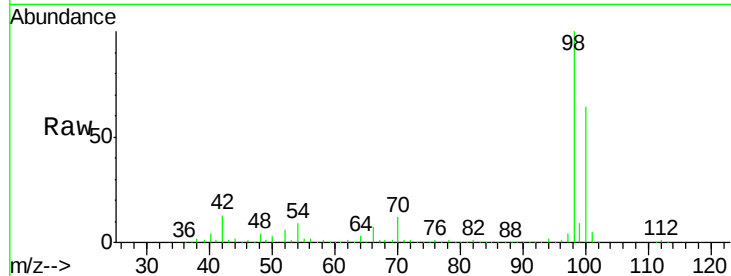




#50
Toluene-d8
Concen: 49.750 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

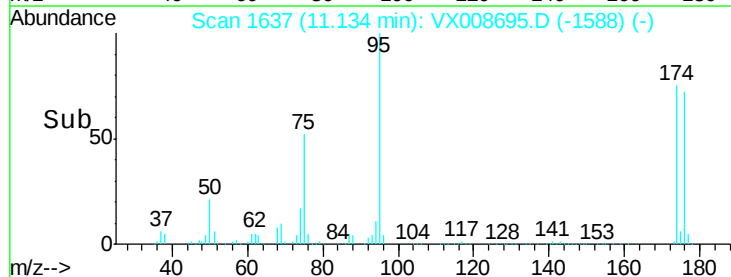
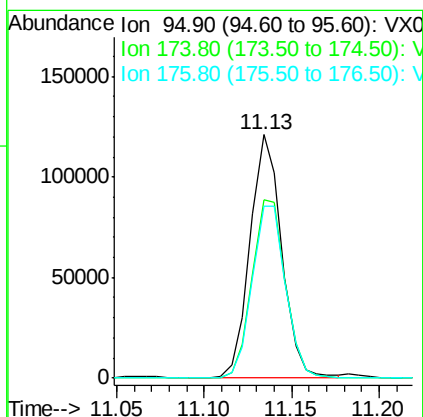
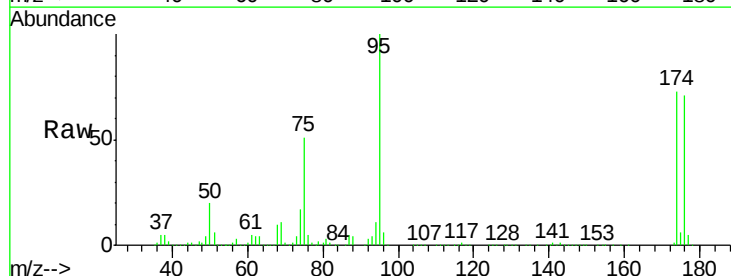
Instrument :
MSVOA_X
ClientSampleId :
ST006MW148-190402

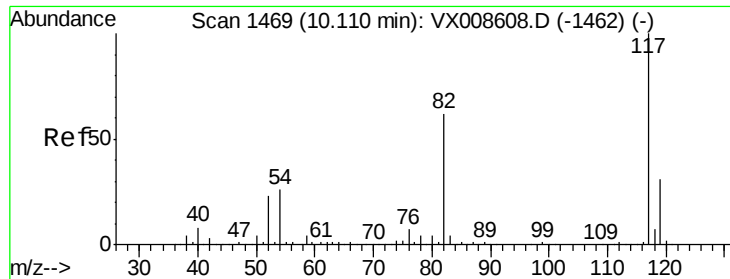
Tgt Ion: 98 Resp: 445653
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 47.979 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

Tgt Ion: 95 Resp: 152410
Ion Ratio Lower Upper
95 100
174 77.2 0.0 151.8
176 74.9 0.0 145.8

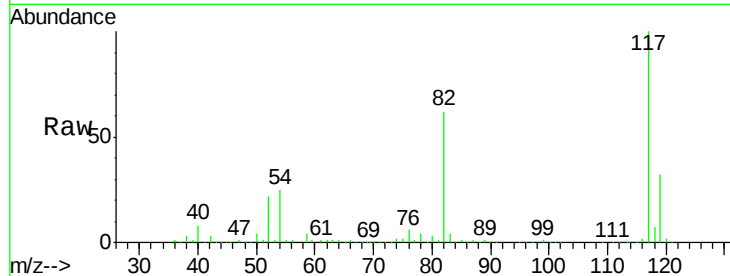




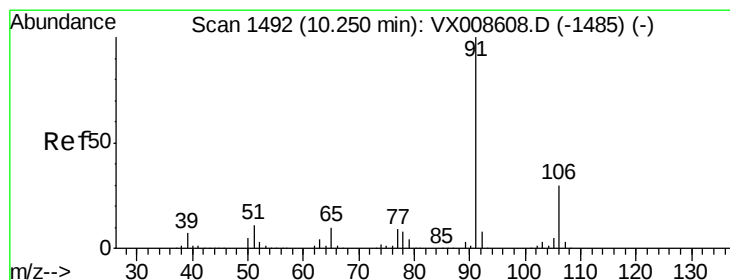
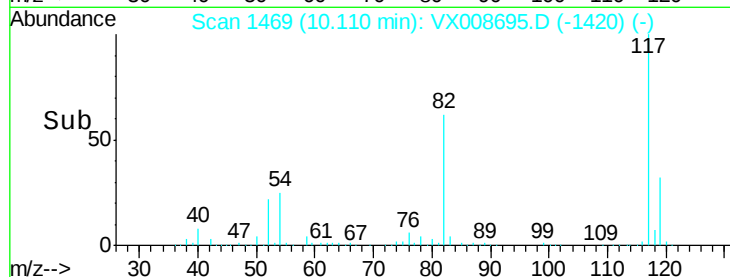
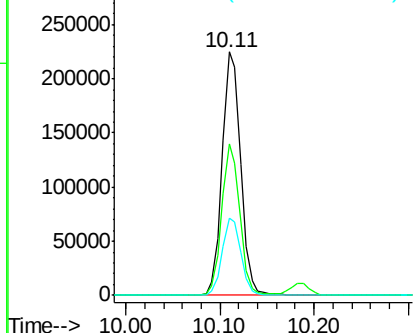
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

Instrument :
MSVOA_X
ClientSampleId :
ST006MW148-190402

Tgt Ion: 117 Resp: 306843
Ion Ratio Lower Upper
117 100
82 61.9 49.6 74.4
119 31.5 25.0 37.4

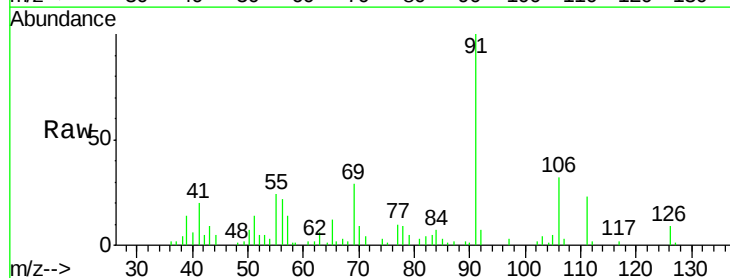


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

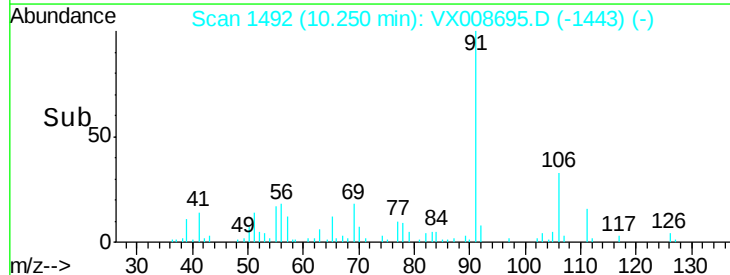
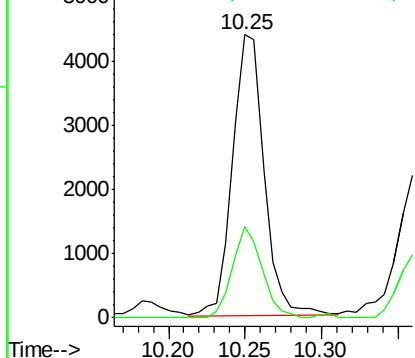


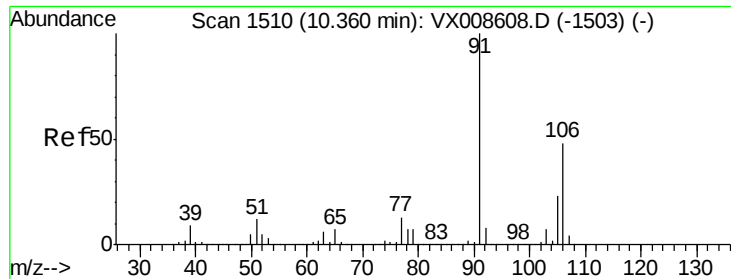
#67
Ethyl Benzene
Concen: 0.494 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

Tgt Ion: 91 Resp: 6260
Ion Ratio Lower Upper
91 100
106 32.8 23.7 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

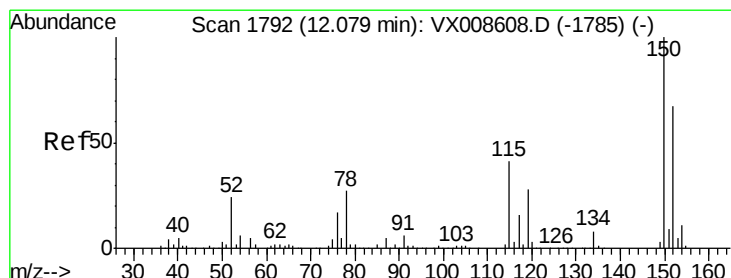
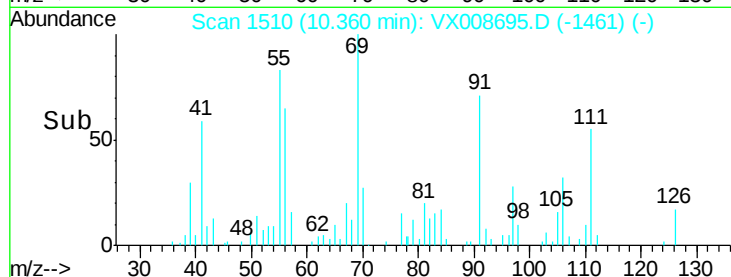
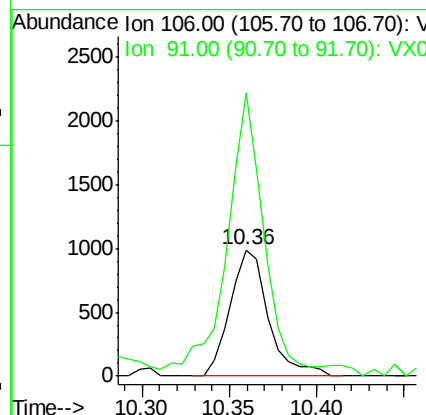
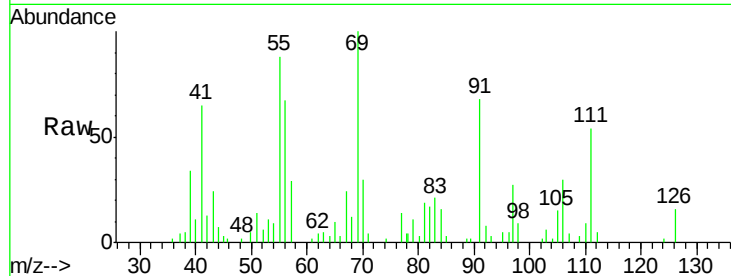




#68
m/p-Xylenes
Concen: 0.329 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

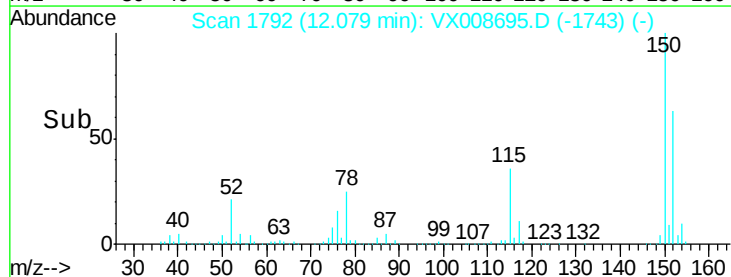
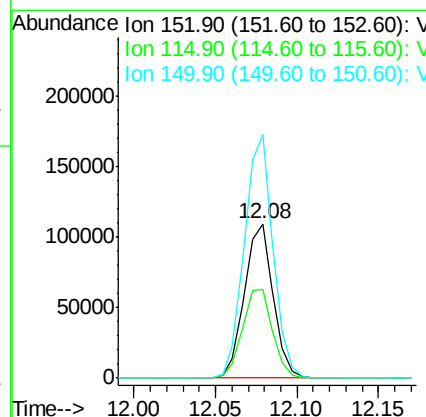
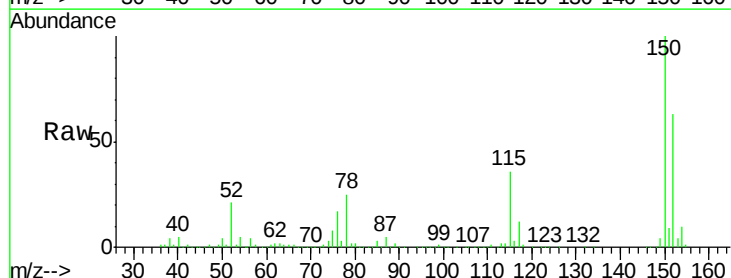
Instrument :
MSVOA_X
ClientSampleId :
ST006MW148-190402

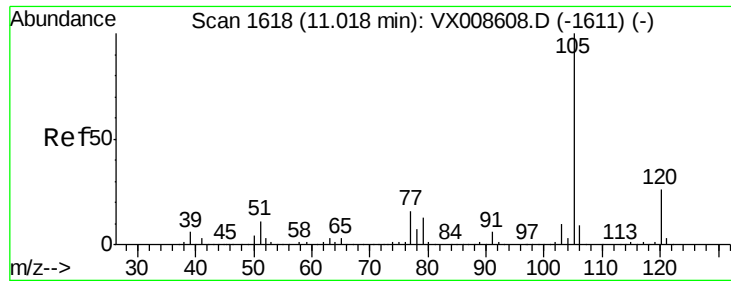
Tgt Ion:106 Resp: 1501
Ion Ratio Lower Upper
106 100
91 200.4 168.5 252.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008695.D
Acq: 05 Apr 2019 20:29

Tgt Ion:152 Resp: 134213
Ion Ratio Lower Upper
152 100
115 60.1 43.5 130.5
150 157.7 0.0 348.8





#73

Isopropylbenzene

Concen: 0.372 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008695.D

Acq: 05 Apr 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

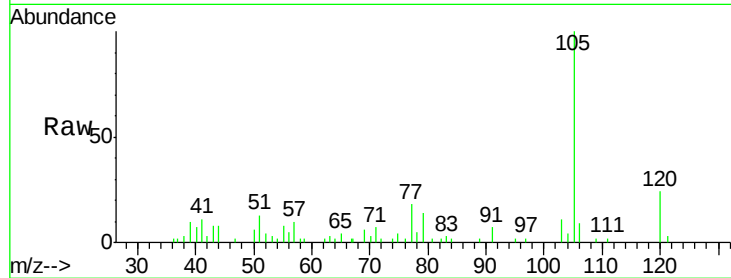
ST006MW148-190402

Tgt Ion:105 Resp: 4135

Ion Ratio Lower Upper

105 100

120 23.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

3000

2000

1000

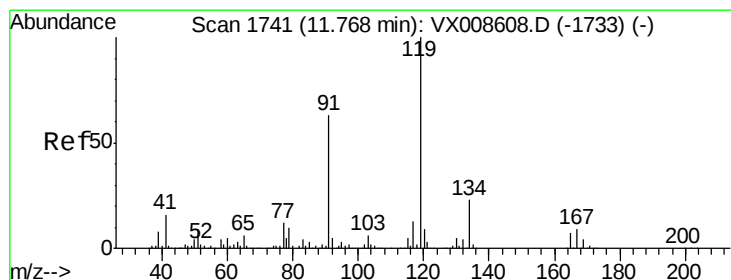
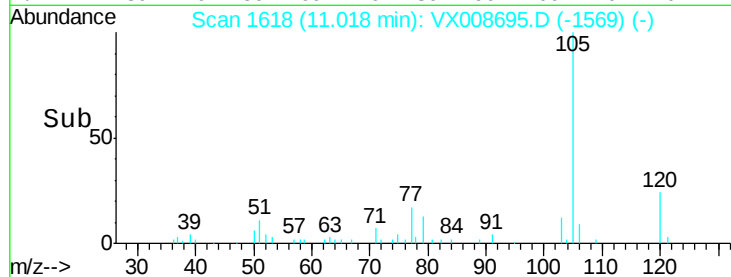
0

Time-->

10.95

11.00

11.05



#83

tert-Butylbenzene

Concen: 1.299 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008695.D

Acq: 05 Apr 2019 20:29

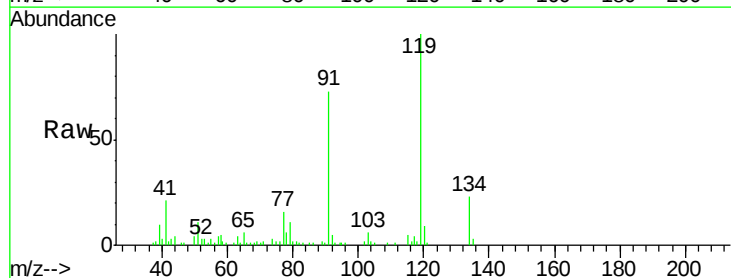
Tgt Ion:119 Resp: 11670

Ion Ratio Lower Upper

119 100

91 74.9 30.0 90.1

134 23.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

11.77

12000

10000

8000

6000

4000

2000

0

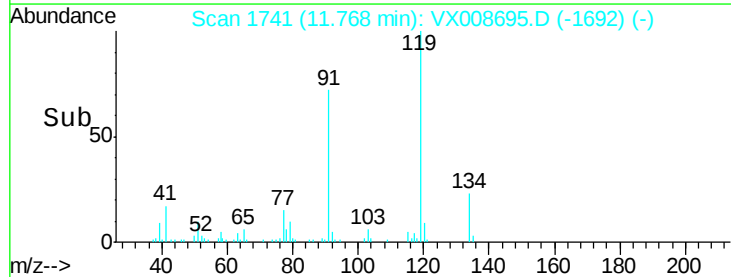
Time-->

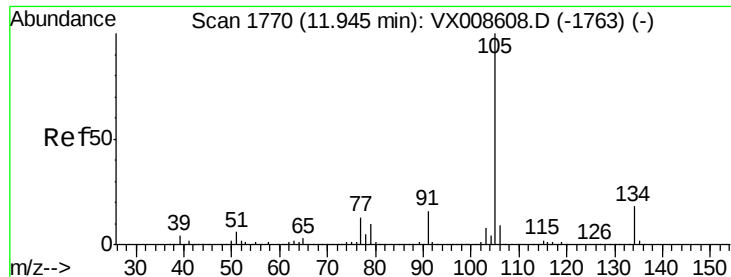
11.70

11.75

11.80

11.85





#85
 sec-Butylbenzene
 Concen: 2.079 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008695.D
 Acq: 05 Apr 2019 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

Tgt Ion: 105 Resp: 22180
 Ion Ratio Lower Upper
 105 100
 134 17.1 9.4 28.2

