

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002093.D
 Acq On : 29 May 2018 15:19
 Operator : JC/MD
 Sample : J3118-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW730-180521

Quant Time: May 30 06:41:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	429928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212249	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	257122	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	5.51	113	196830	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
50) Toluene-d8	8.72	98	763811	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.14	95	273008	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	

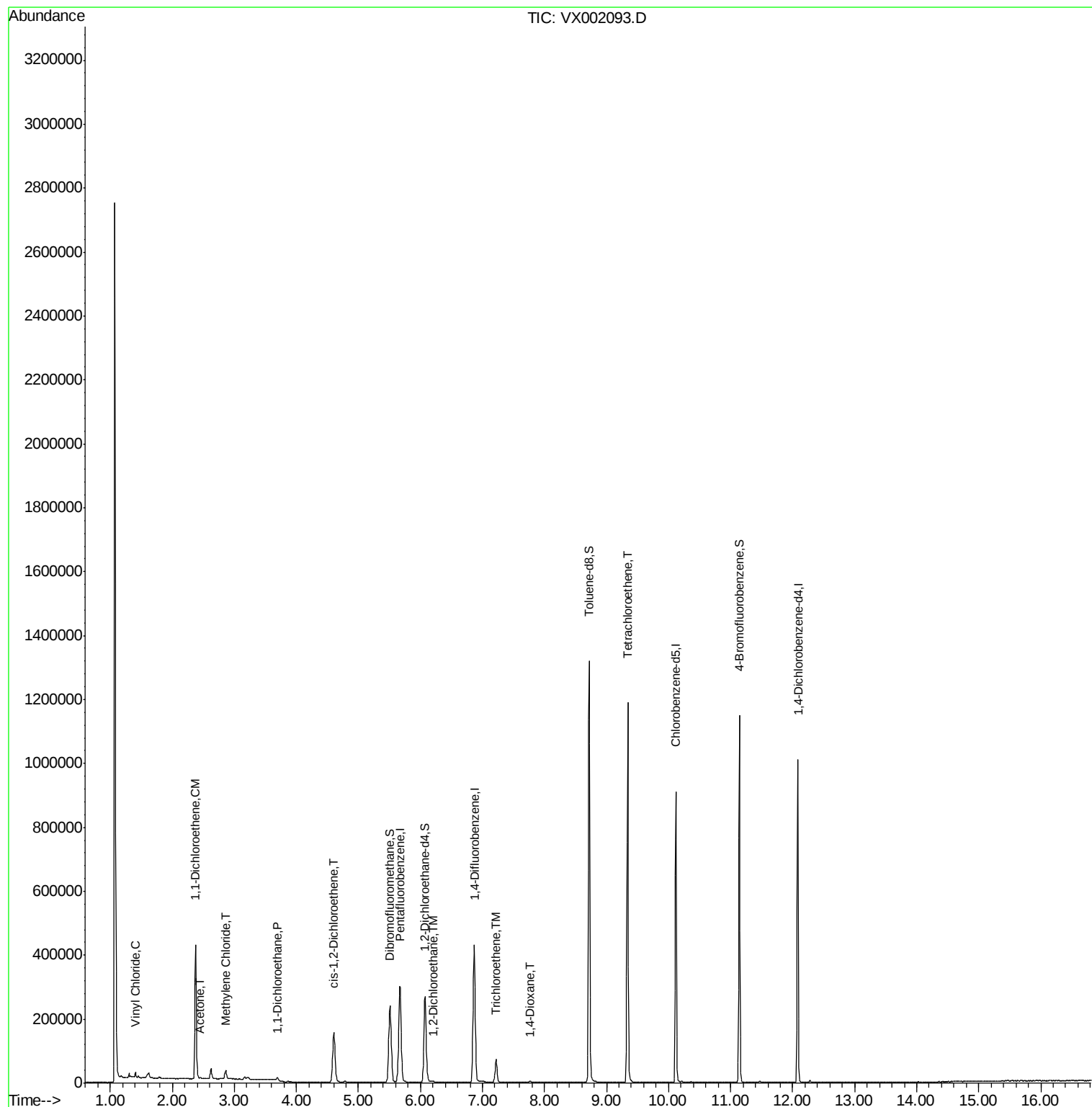
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	7764	1.71	ug/l	95
12) 1,1-Dichloroethene	2.38	96	139500	39.11	ug/l	99
16) Acetone	2.45	43	3490	1.65	ug/l	96
20) Methylene Chloride	2.86	84	12875	1.92	ug/l	94
24) 1,1-Dichloroethane	3.70	63	9688	1.34	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	91568	19.69	ug/l	94
42) 1,2-Dichloroethane	6.21	62	4110	0.59	ug/l	100
44) Trichloroethene	7.22	130	27229	5.33	ug/l	97
49) 1,4-Dioxane	7.77	88	2327	19.97	ug/l	90
64) Tetrachloroethene	9.34	164	238358	42.89	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

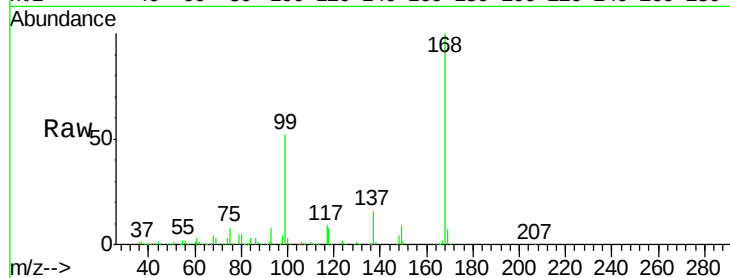
SS052MW730-180521

Tot Ion:168 Resp: 305987

Ion Ratio Lower Upper

168 100

99 52.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

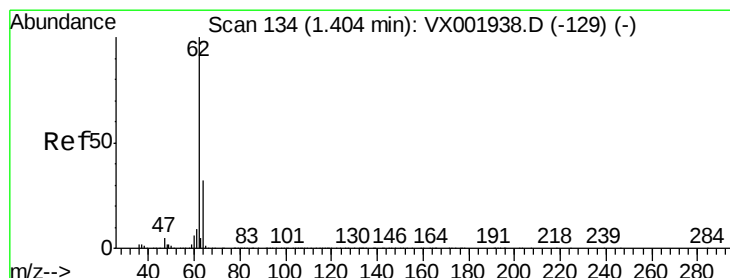
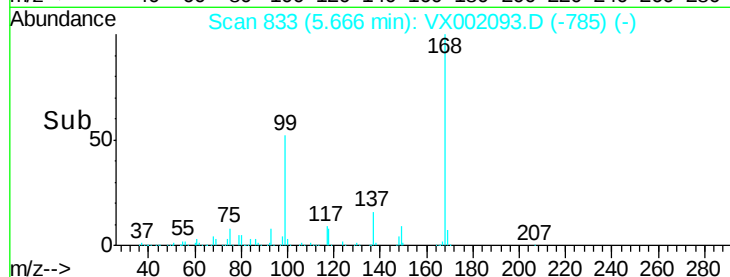
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 1.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002093.D

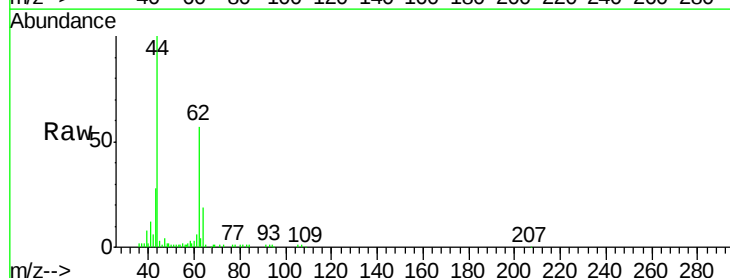
Acq: 29 May 2018 15:19

Tgt Ion: 62 Resp: 7764

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

8000

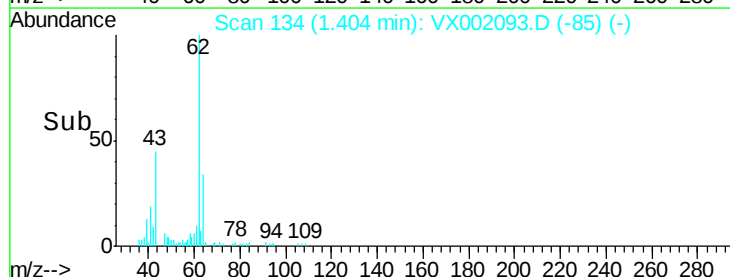
6000

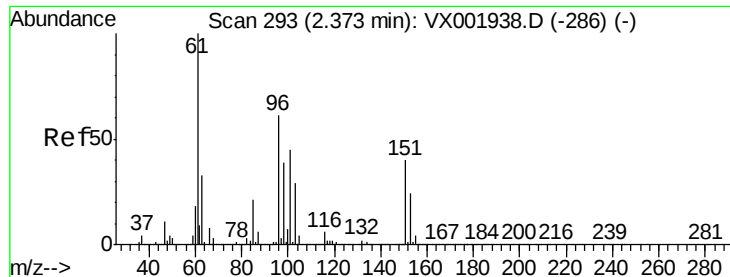
4000

2000

0

Time--> 1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 39.11 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

SS052MW730-180521

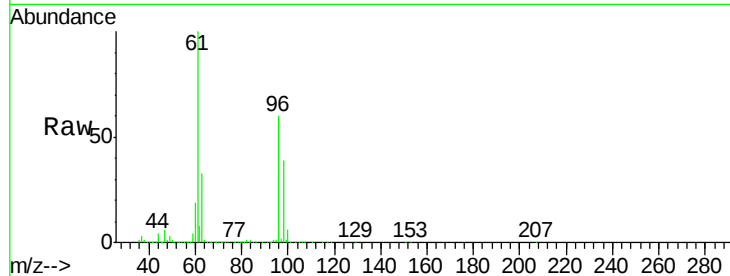
Tot Ion: 96 Resp: 139500

Ion Ratio Lower Upper

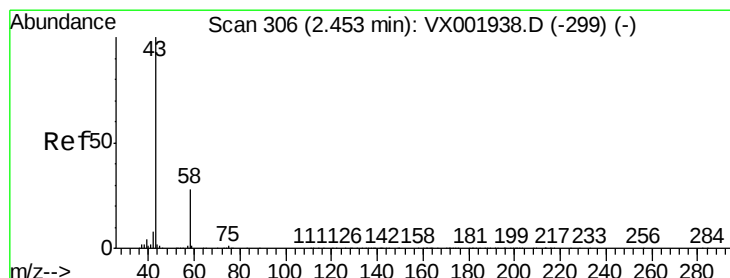
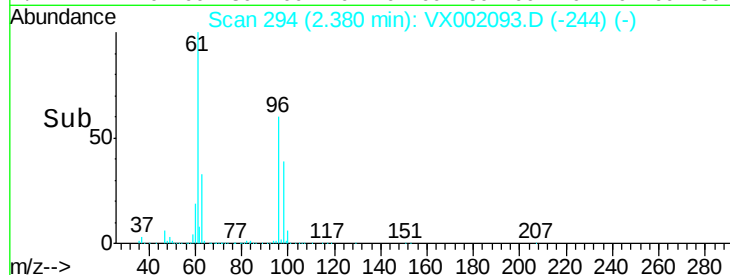
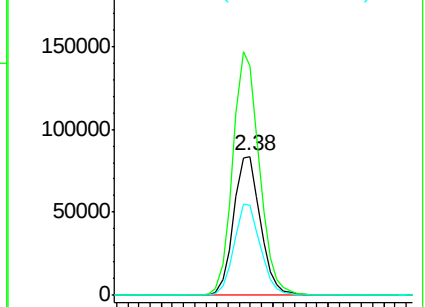
96 100

61 165.5 131.7 197.5

98 64.9 51.6 77.4



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



#16

Acetone

Concen: 1.65 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002093.D

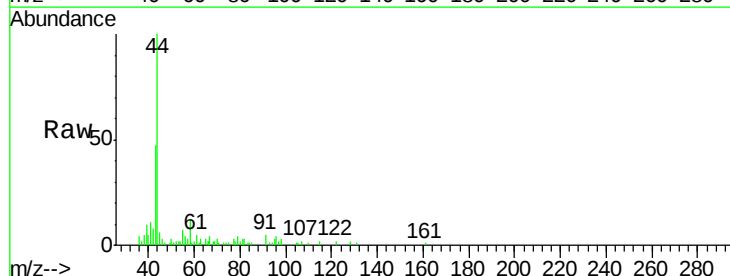
Acq: 29 May 2018 15:19

Tgt Ion: 43 Resp: 3490

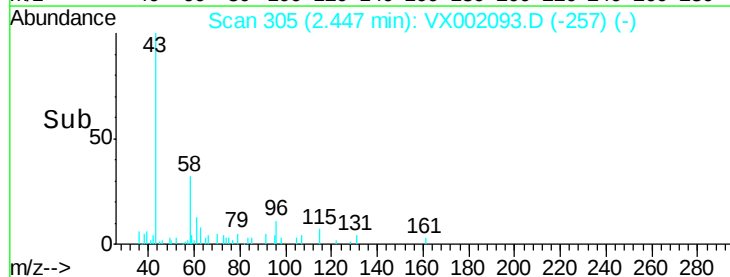
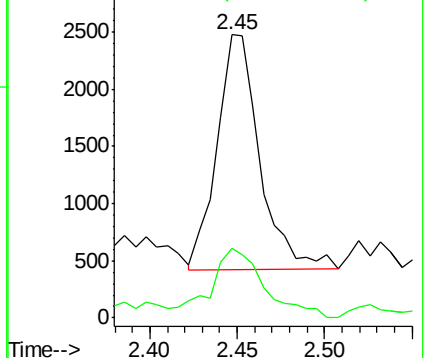
Ion Ratio Lower Upper

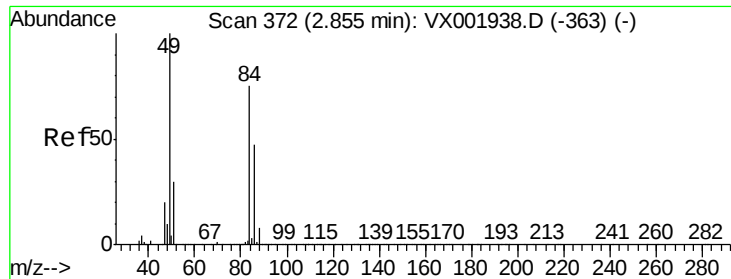
43 100

58 29.9 22.3 33.5



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

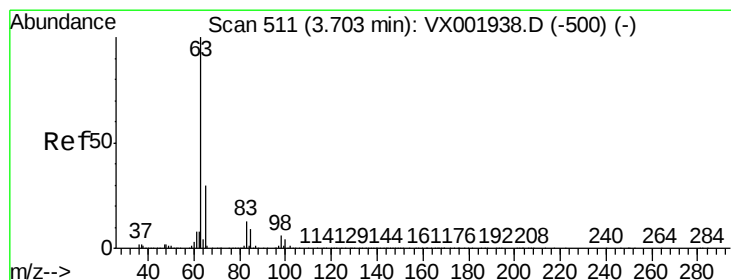
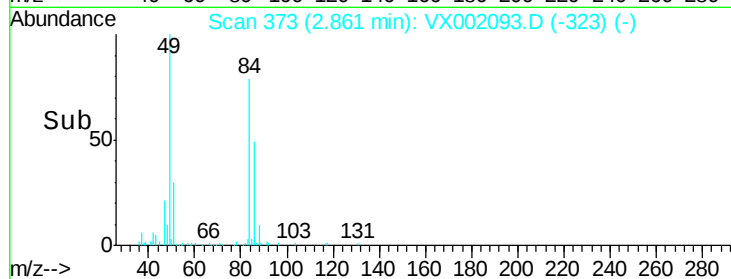
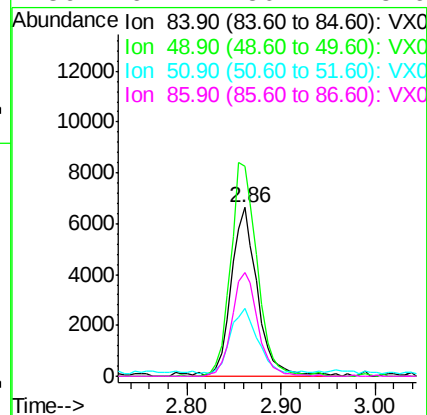
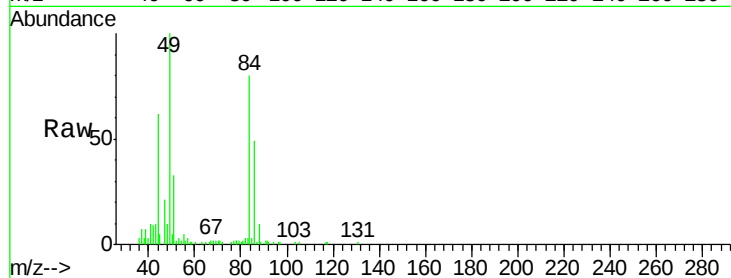




#20
Methvlene Chloride
Concen: 1.92 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002093.D
Acq: 29 May 2018 15:19

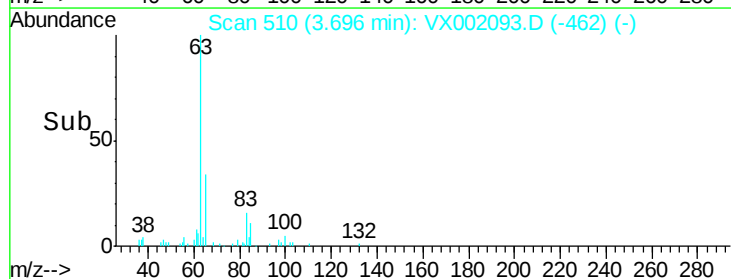
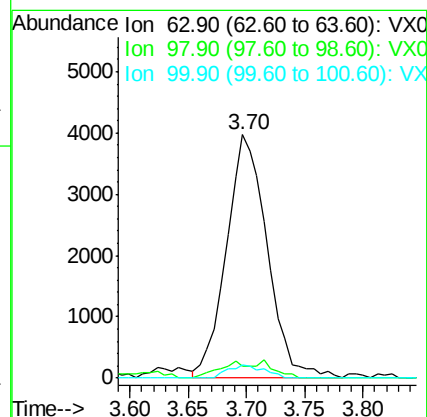
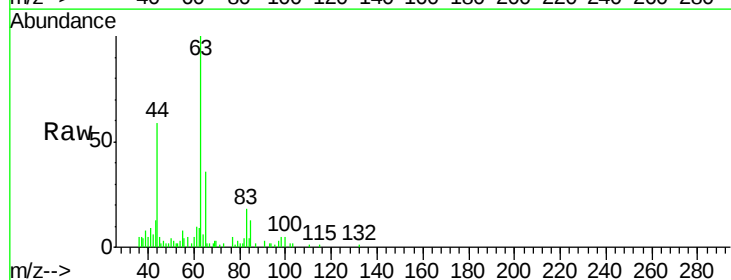
Instrument :
MSVOA_X
ClientSampleId :
SS052MW730-180521

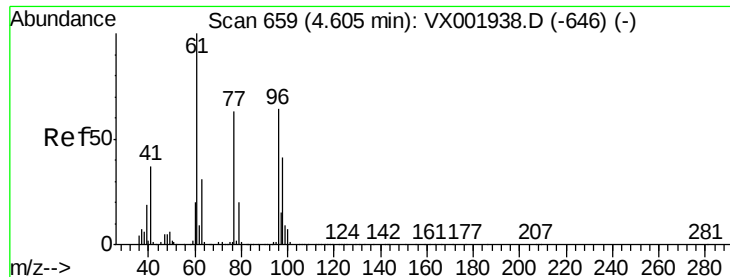
Tot Ion:	84	Resp:	12875
Ion	Ratio	Lower	Upper
84	100		
49	124.3	107.2	160.8
51	37.7	32.4	48.6
86	61.2	50.4	75.6



#24
1,1-Dichloroethane
Concen: 1.34 ug/l
RT: 3.70 min Scan# 510
Delta R.T. -0.01 min
Lab File: VX002093.D
Acq: 29 May 2018 15:19

Tgt Ion:	63	Resp:	9688
Ion	Ratio	Lower	Upper
63	100		
98	4.7	3.3	9.8
100	5.2	2.1	6.5





#27

cis-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

SS052MW730-180521

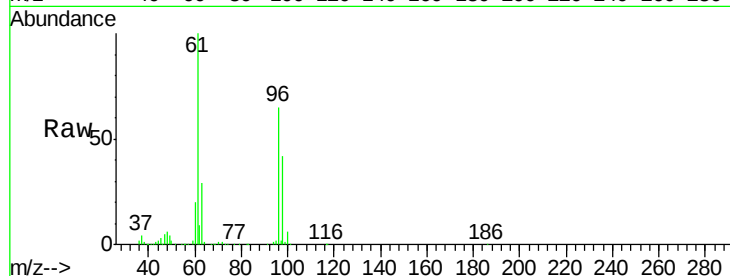
Tot Ion: 96 Resp: 91568

Ion Ratio Lower Upper

96 100

61 162.3 0.0 348.4

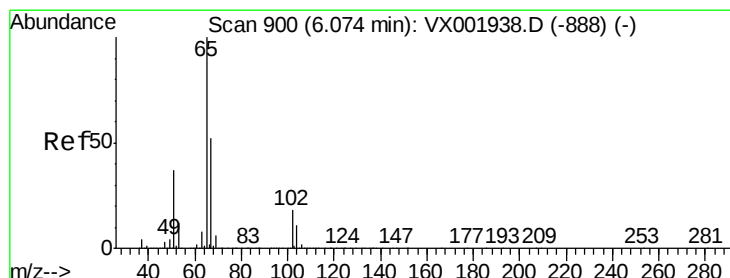
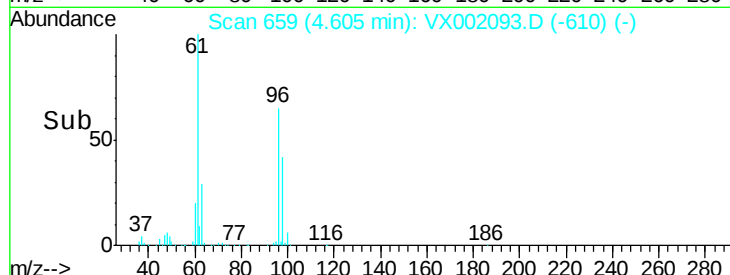
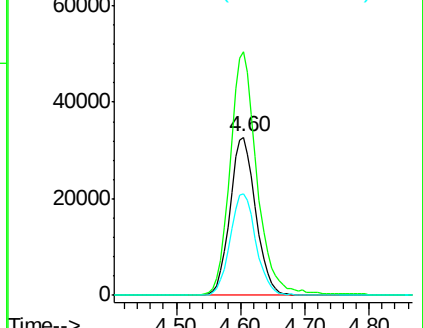
98 64.9 0.0 128.6



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



#33

1,2-Dichloroethane-d4

Concen: 47.01 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002093.D

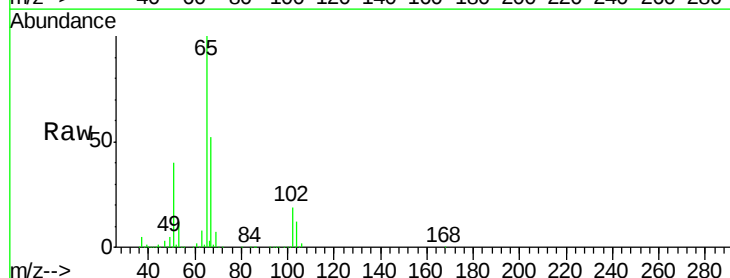
Acq: 29 May 2018 15:19

Tgt Ion: 65 Resp: 257122

Ion Ratio Lower Upper

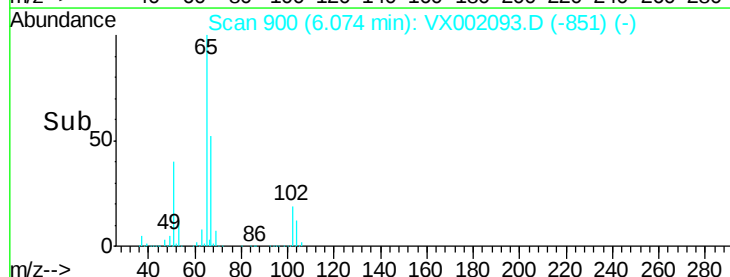
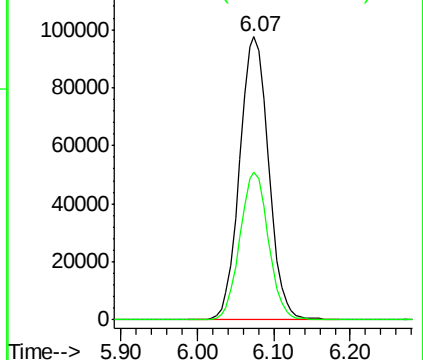
65 100

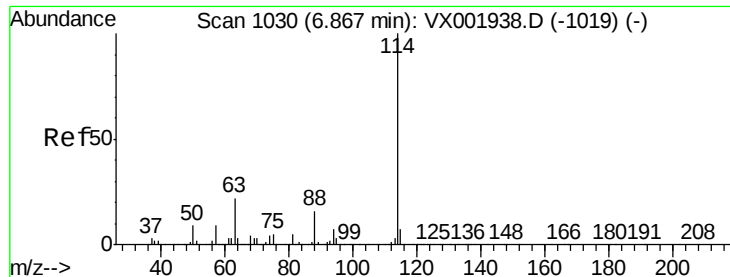
67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

SS052MW730-180521

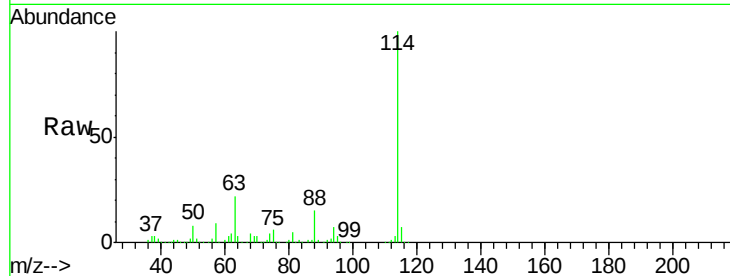
Tot Ion:114 Resp: 429928

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

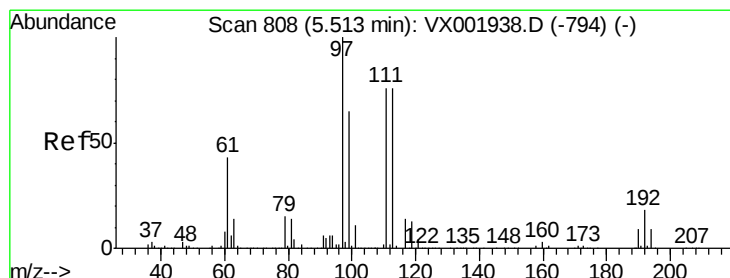
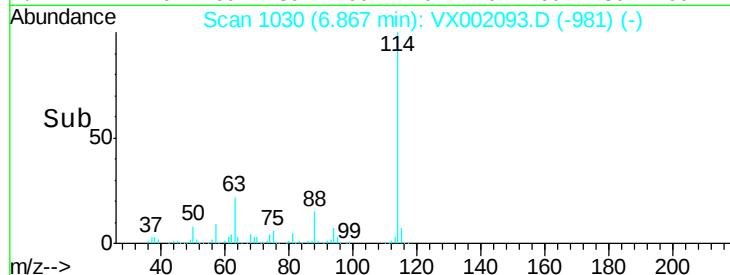
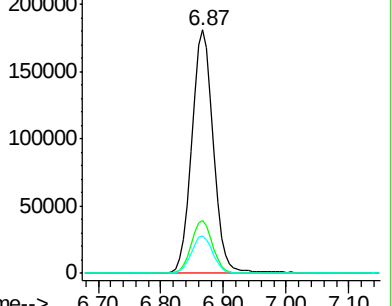
88 15.4 0.0 31.6



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: 45.78 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

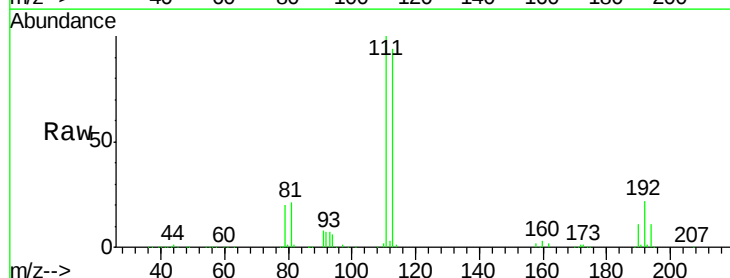
Tgt Ion:113 Resp: 196830

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

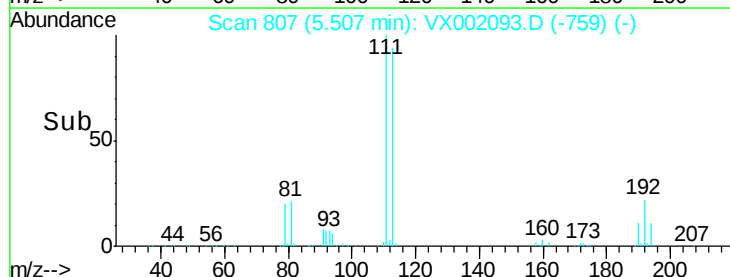
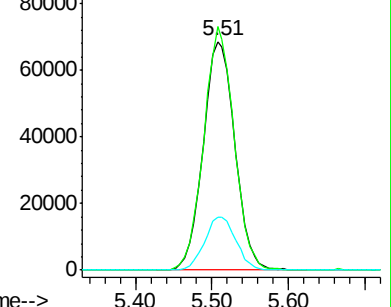
192 23.0 18.9 28.3

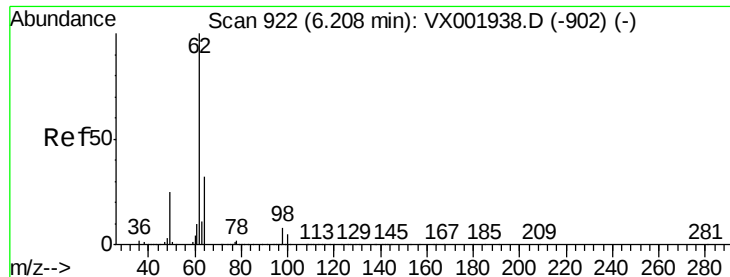


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#42

1,2-Dichloroethane

Concen: 0.59 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

Instrument :

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ClientSampleId :

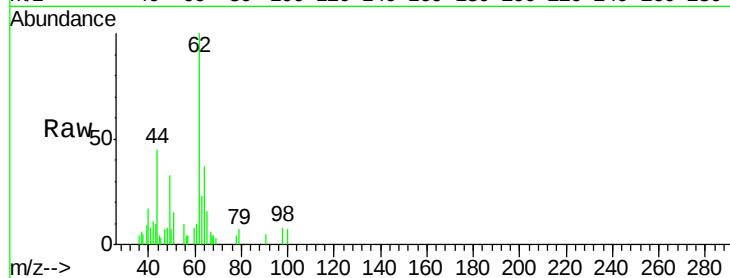
SS052MW730-180521

Tot Ion: 62 Resp: 4110

Ion Ratio Lower Upper

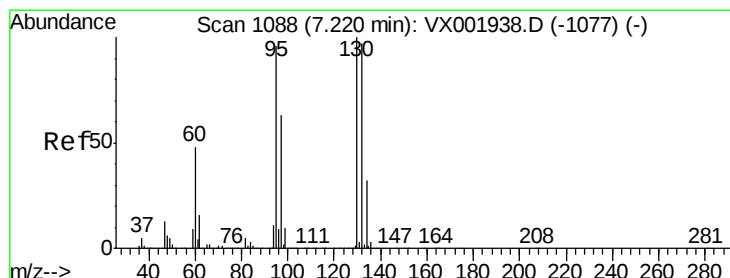
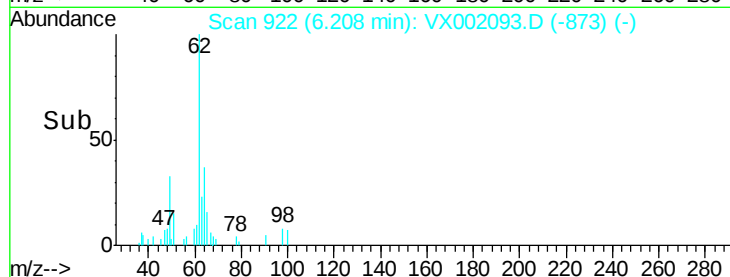
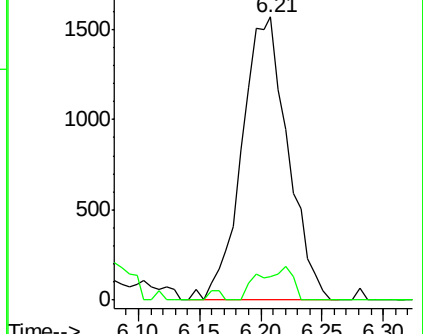
62 100

98 8.5 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 5.33 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002093.D

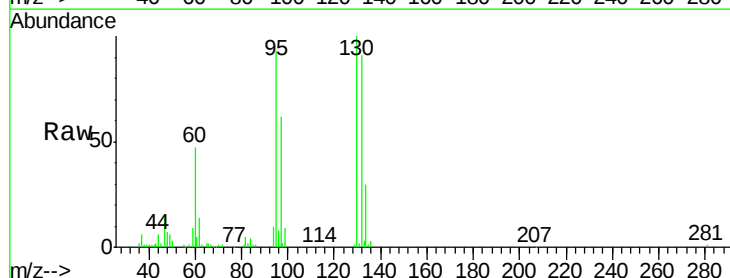
Acq: 29 May 2018 15:19

Tgt Ion: 130 Resp: 27229

Ion Ratio Lower Upper

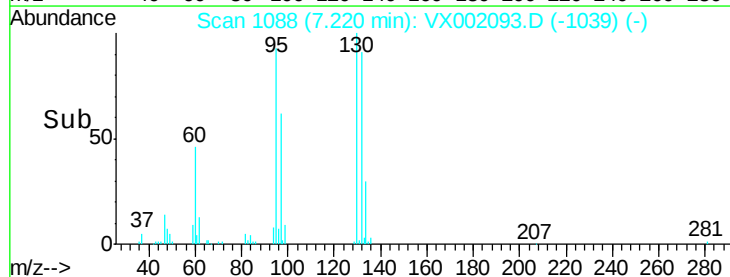
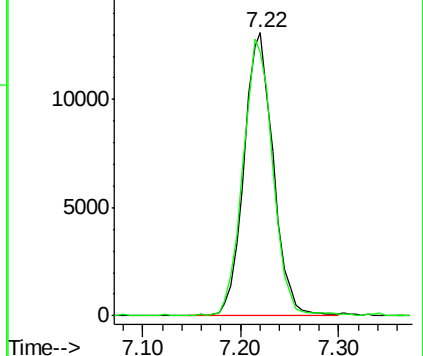
130 100

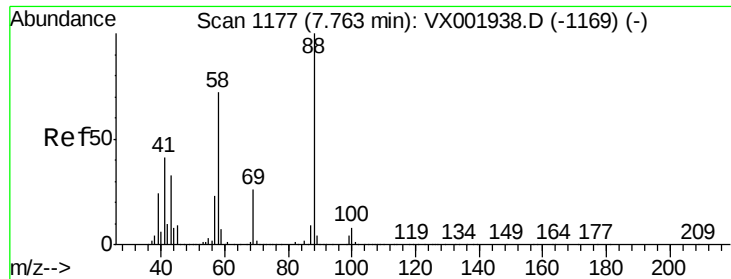
95 93.1 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 19.97 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX002093.D

Acq: 29 May 2018 15:19

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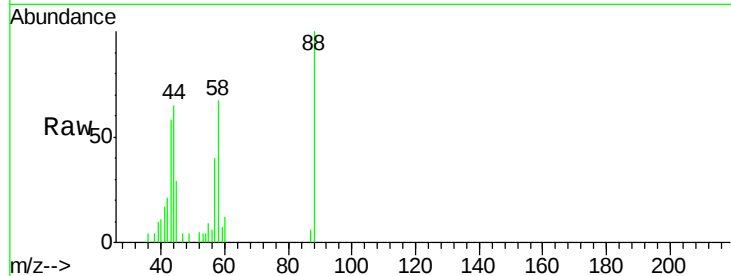
Tot Ion: 88 Resp: 2327

Ion Ratio Lower Upper

88 100

43 40.1 29.8 44.8

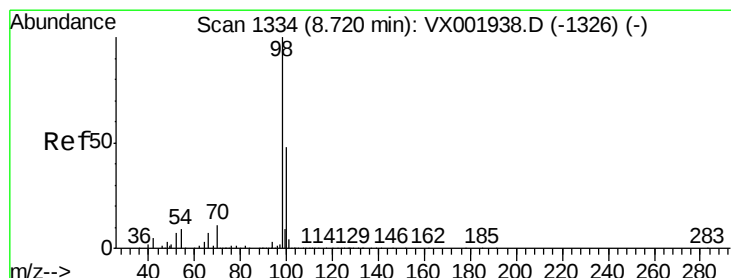
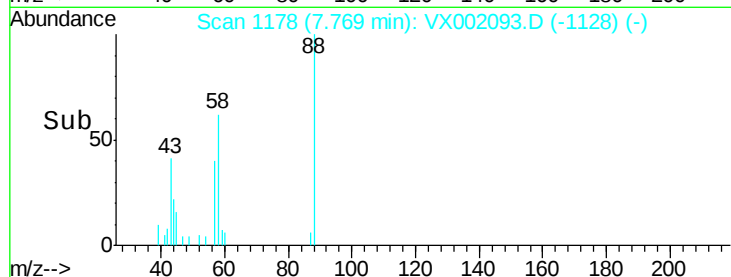
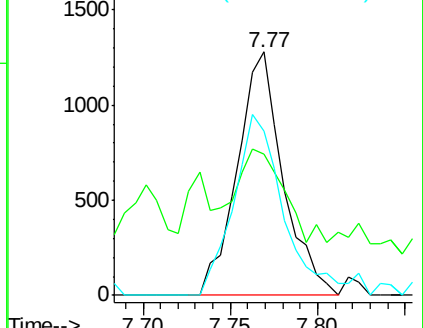
58 84.5 58.7 88.1



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: 49.07 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002093.D

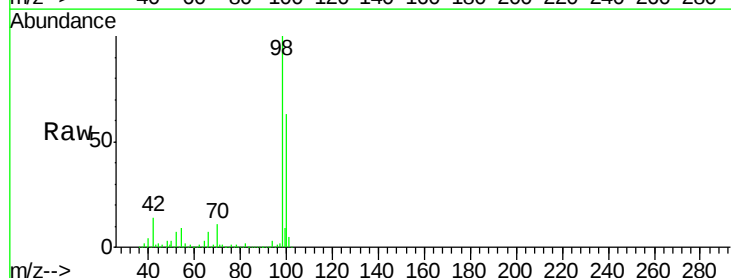
Acq: 29 May 2018 15:19

Tgt Ion: 98 Resp: 763811

Ion Ratio Lower Upper

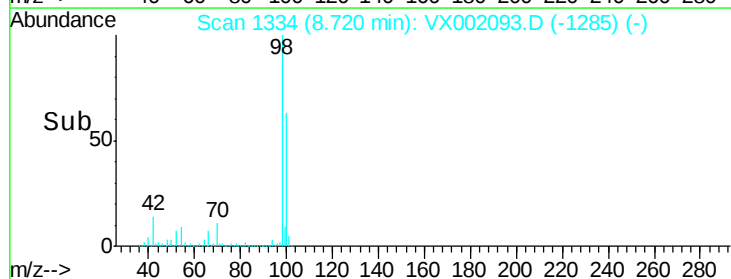
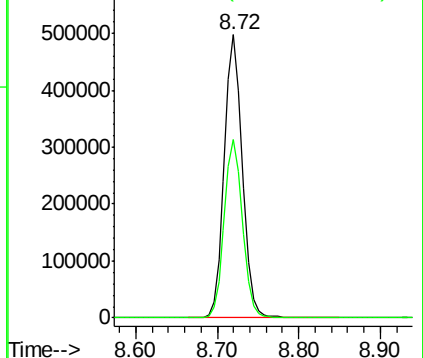
98 100

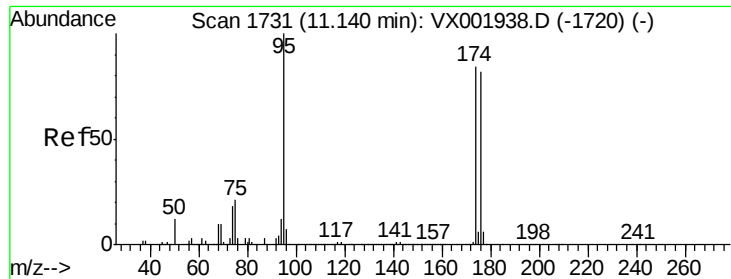
100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

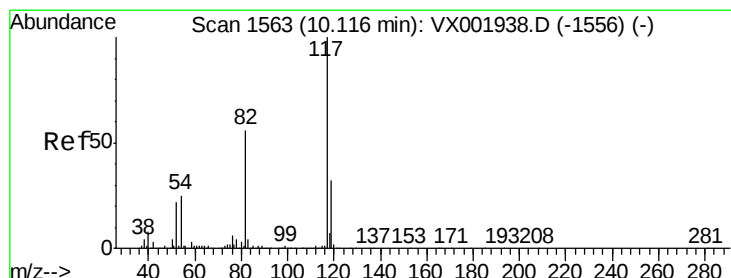
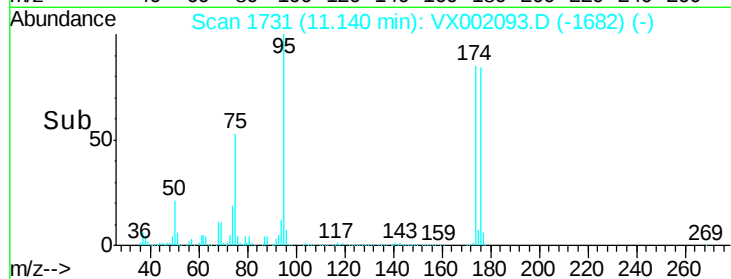
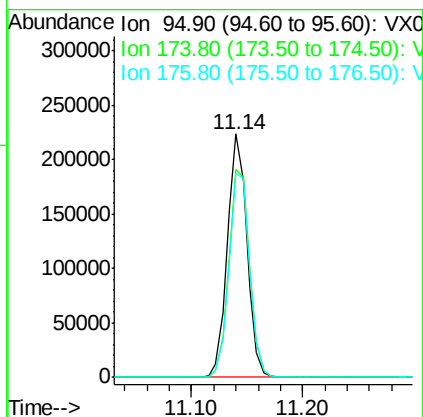
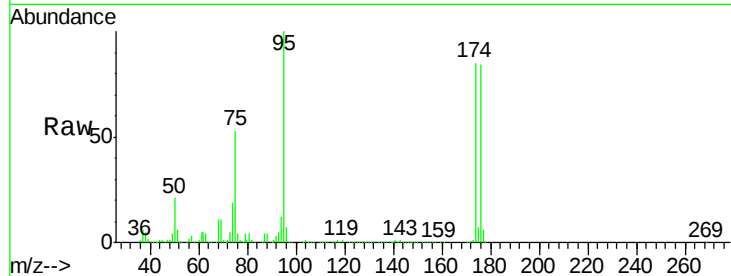




#62
4-Bromofluorobenzene
Concen: 44.83 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002093.D
Acq: 29 May 2018 15:19

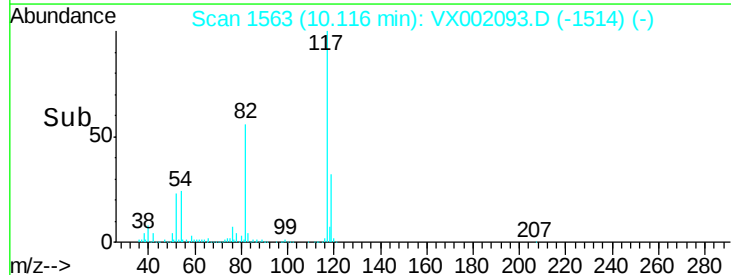
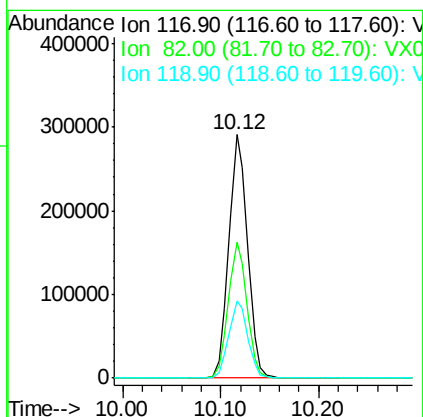
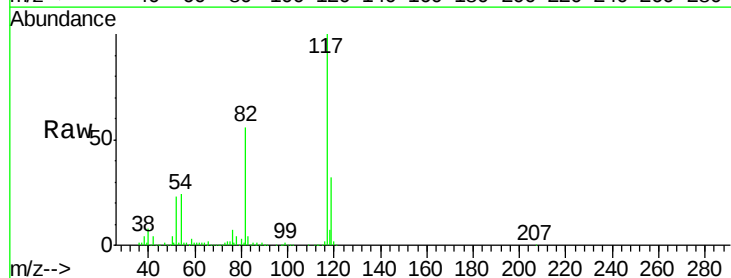
Instrument :
MSVOA_X
ClientSampleId :
SS052MW730-180521

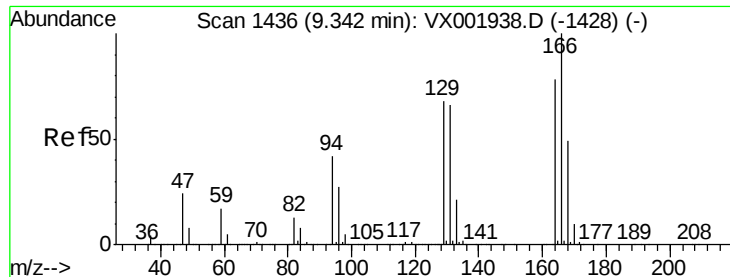
Tot Ion: 95 Resp: 273008
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.8
176 88.0 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002093.D
Acq: 29 May 2018 15:19

Tgt Ion: 117 Resp: 387578
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 31.6 25.5 38.3

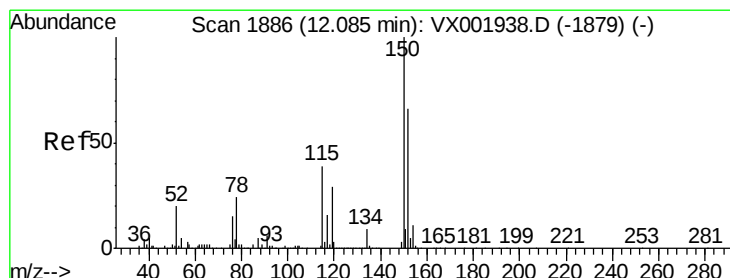
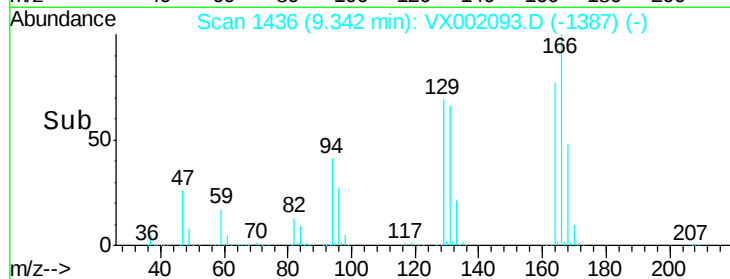
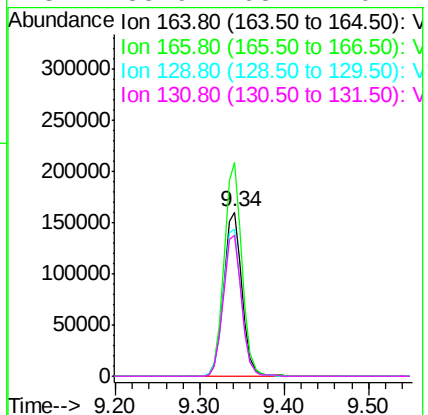
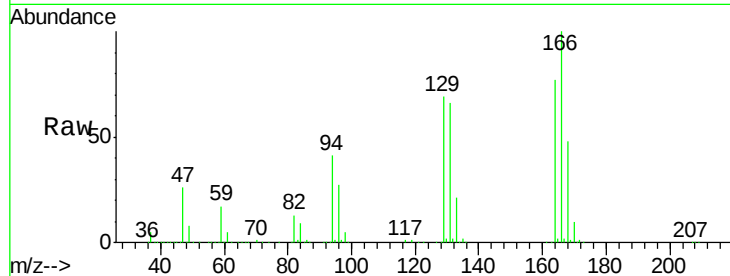




#64
Tetrachloroethene
Concen: 42.89 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002093.D
Acq: 29 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
SS052MW730-180521

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.7	154.1
129	89.5	70.3	105.5
131	85.9	68.2	102.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002093.D
Acq: 29 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	42.3	126.8
150	156.3	0.0	351.0

