

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009640.D
 Acq On : 17 May 2019 04:50
 Operator : JC/SP
 Sample : K2887-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW730-190515

Quant Time: May 17 08:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104087	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	115753	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	5.50	113	84818	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	8.71	98	347845	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	114625	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	

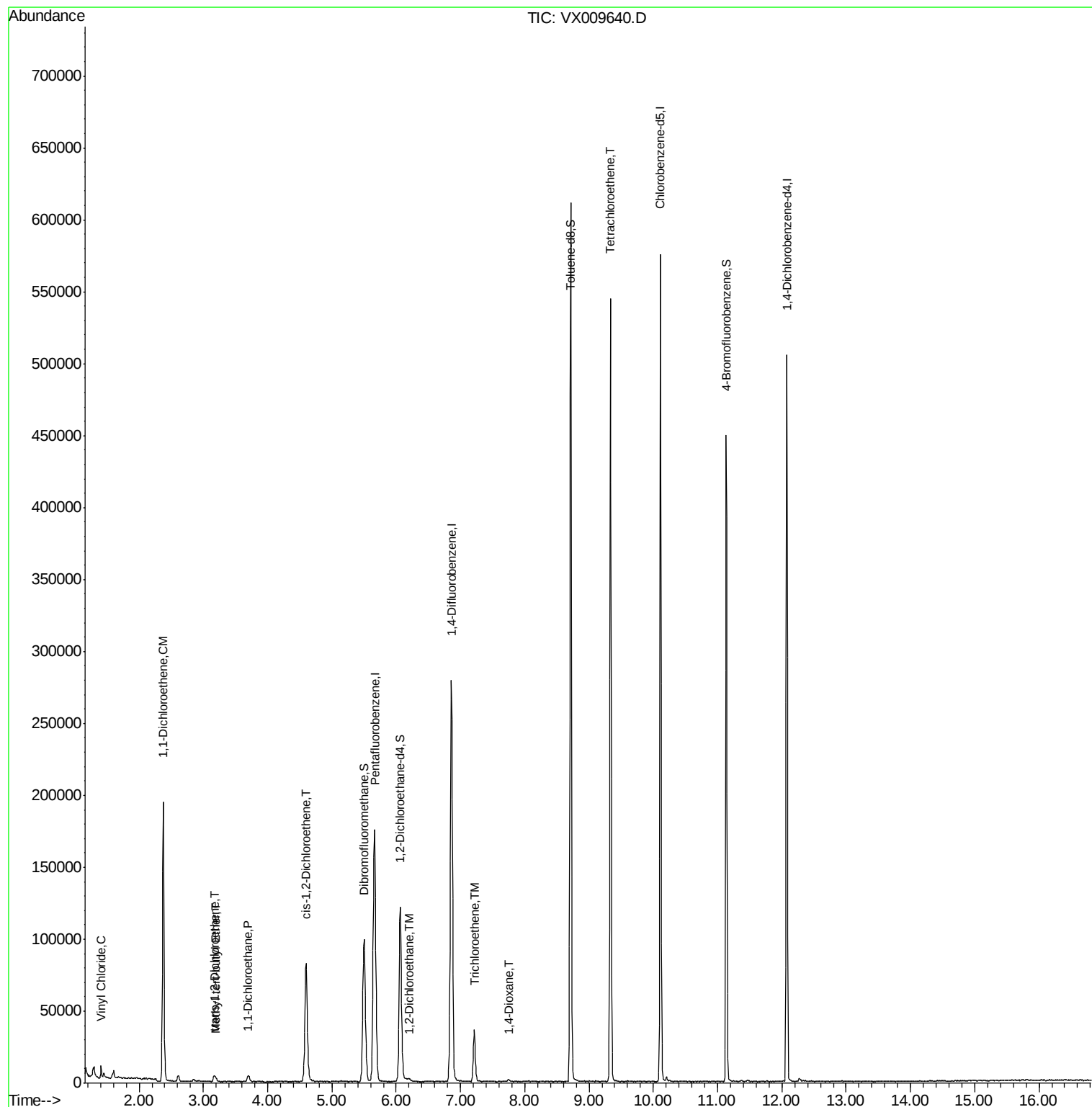
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	4683	2.234	ug/l	99
12) 1,1-Dichloroethene	2.37	96	62986	39.292	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	1971	0.317	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	1616	0.930	ug/l #	74
24) 1,1-Dichloroethane	3.70	63	4532	1.223	ug/l #	95
27) cis-1,2-Dichloroethene	4.60	96	50628	24.398	ug/l	91
42) 1,2-Dichloroethane	6.20	62	1838	0.652	ug/l	95
44) Trichloroethene	7.22	130	13366	7.033	ug/l	97
49) 1,4-Dioxane	7.75	88	1131	19.857	ug/l #	74
64) Tetrachloroethene	9.34	164	106037	63.687	ug/l	98

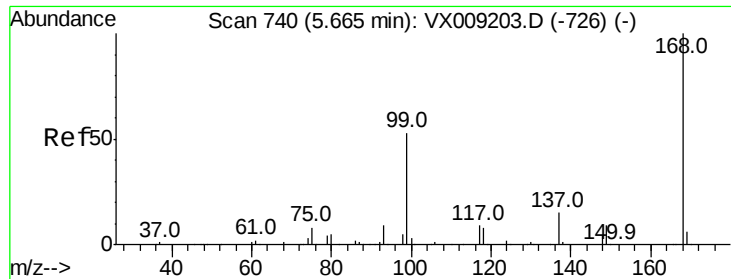
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 17 08:00:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009640.D

Acq: 17 May 2019 04:50

Instrument :

MSVOA_X

ClientSampleId :

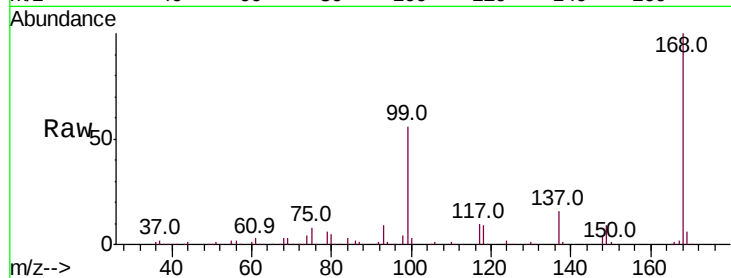
SS052MW730-190515

Tot Ion:168 Resp: 170847

Ion Ratio Lower Upper

168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

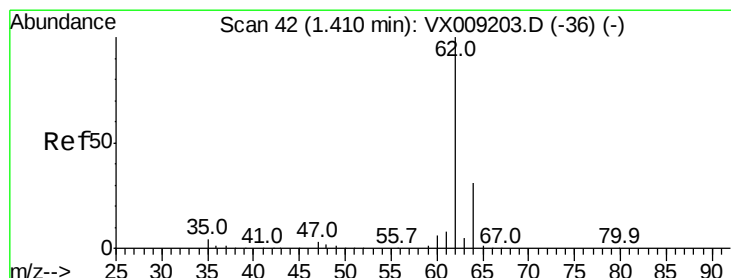
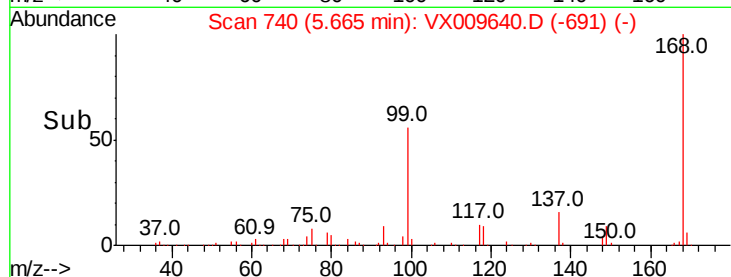
40000

20000

0

Time-->

5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 2.234 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009640.D

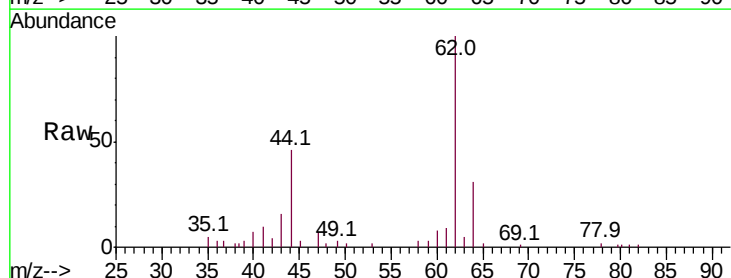
Acq: 17 May 2019 04:50

Tgt Ion: 62 Resp: 4683

Ion Ratio Lower Upper

62 100

64 31.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

5000

4000

3000

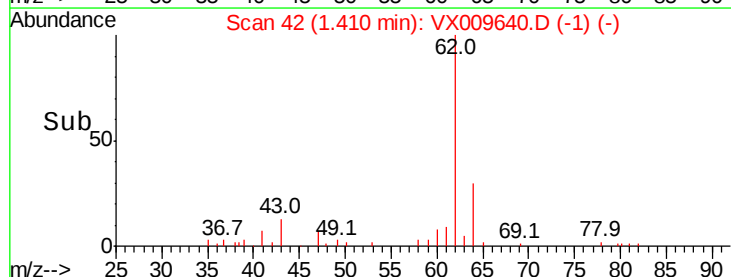
2000

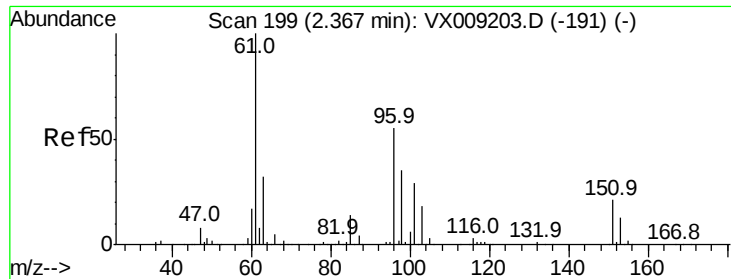
1000

0

Time-->

1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 39.292 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009640.D

Acq: 17 May 2019 04:50

Instrument :

MSVOA_X

ClientSampleId :

SS052MW730-190515

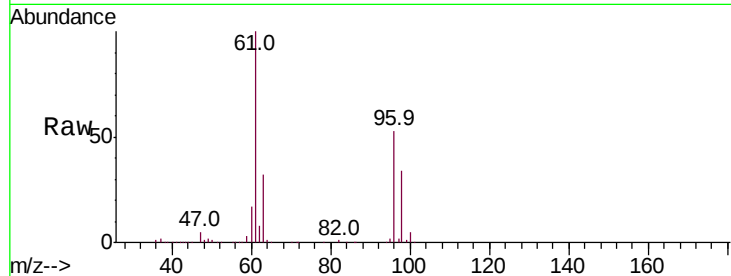
Tot Ion: 96 Resp: 62986

Ion Ratio Lower Upper

96 100

61 188.1 144.3 216.5

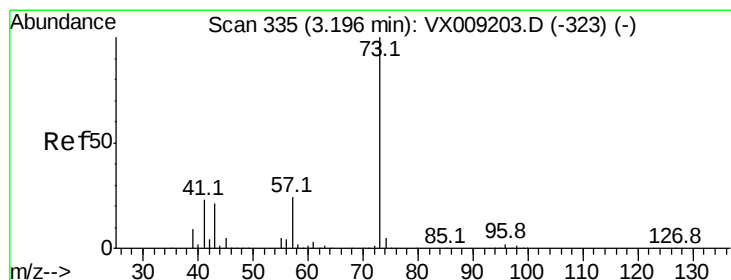
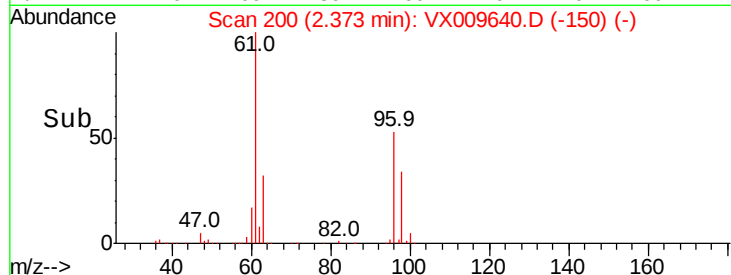
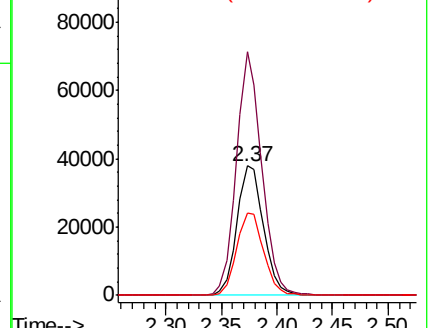
98 63.9 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#19

Methyl tert-butyl Ether

Concen: 0.317 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX009640.D

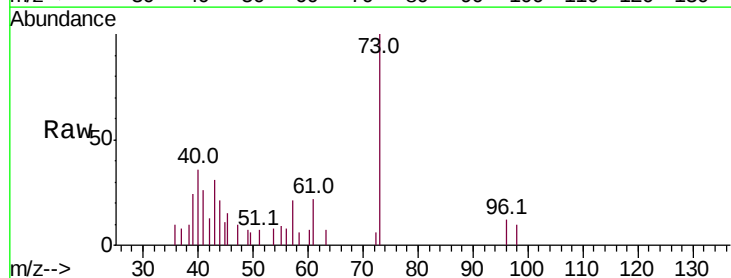
Acq: 17 May 2019 04:50

Tgt Ion: 73 Resp: 1971

Ion Ratio Lower Upper

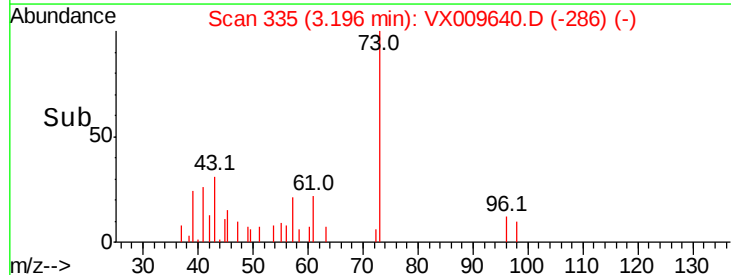
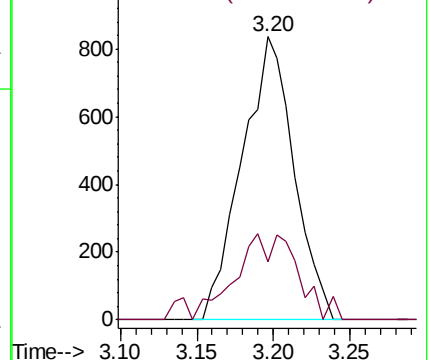
73 100

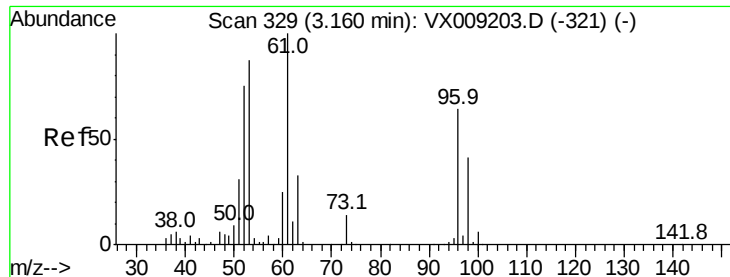
57 20.7 19.3 28.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.930 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009640.D

Acq: 17 May 2019 04:50

Instrument :

MSVOA_X

ClientSampleId :

SS052MW730-190515

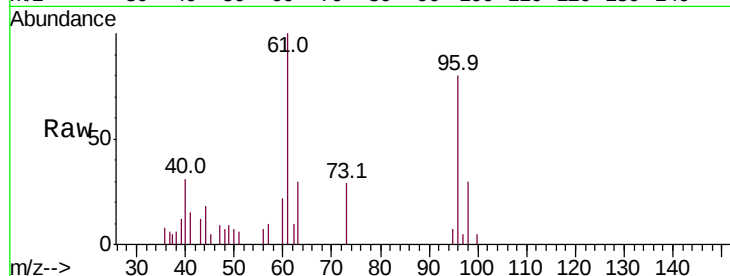
Tot Ion: 96 Resp: 1616

Ion Ratio Lower Upper

96 100

61 125.1 124.5 186.7

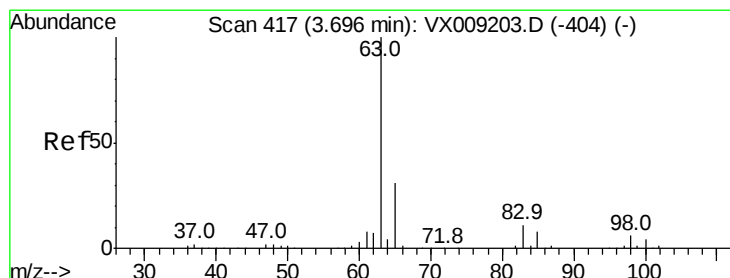
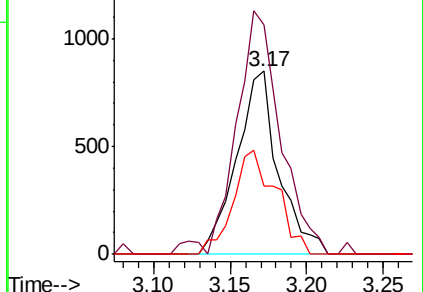
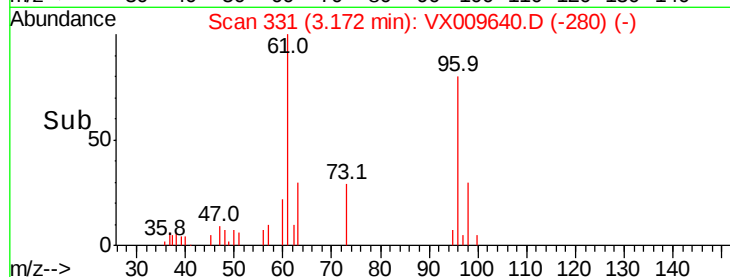
98 37.4 50.4 75.6#



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: 1.223 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009640.D

Acq: 17 May 2019 04:50

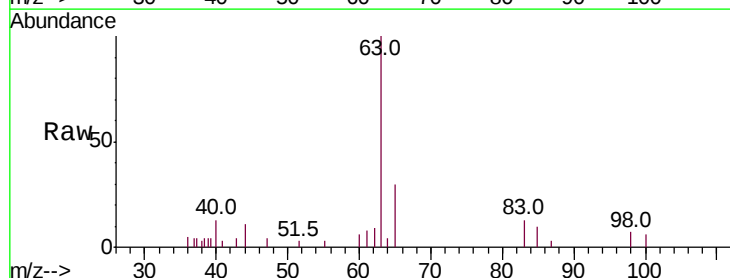
Tgt Ion: 63 Resp: 4532

Ion Ratio Lower Upper

63 100

98 7.5 3.0 9.2

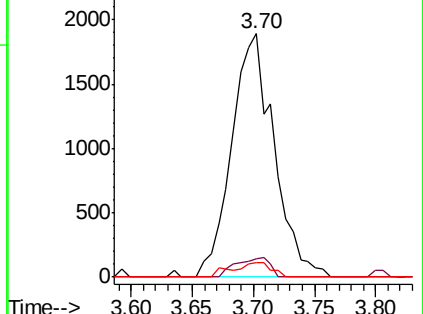
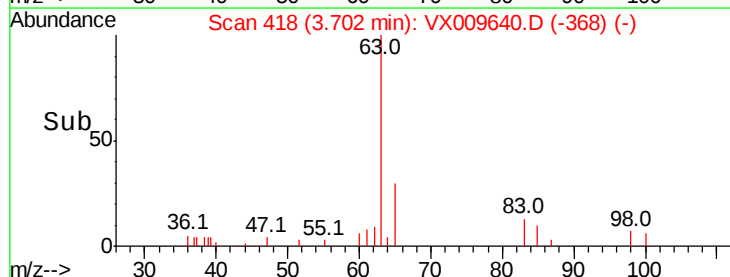
100 6.0 2.0 6.0#

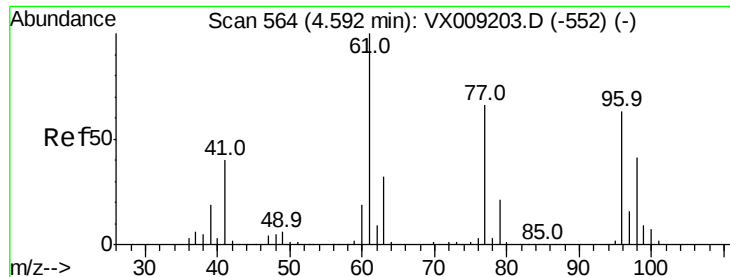


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



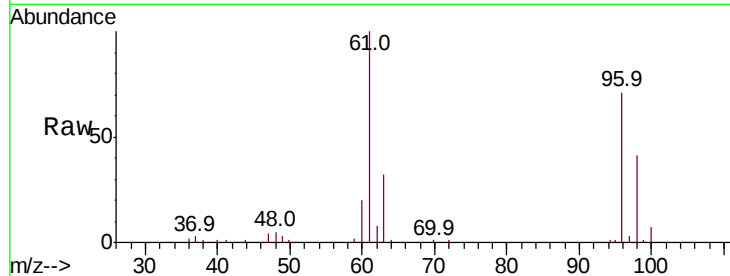


#27

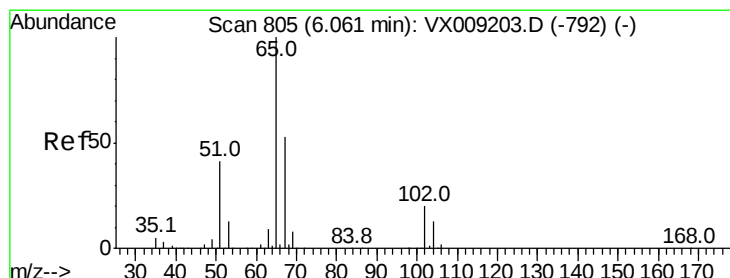
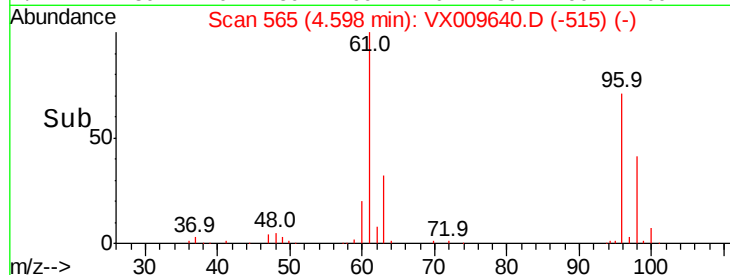
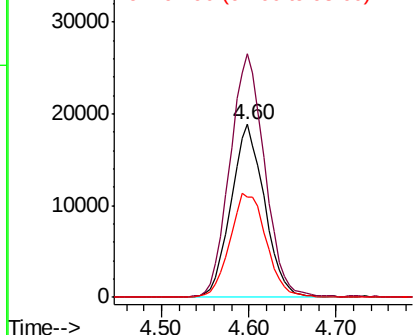
cis-1,2-Dichloroethene
Concen: 24.398 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009640.D
Acq: 17 May 2019 04:50

Instrument :
MSVOA_X
ClientSampleId :
SS052MW730-190515

Tot Ion: 96 Resp: 50628
Ion Ratio Lower Upper
96 100
61 145.3 0.0 324.0
98 64.5 0.0 130.4



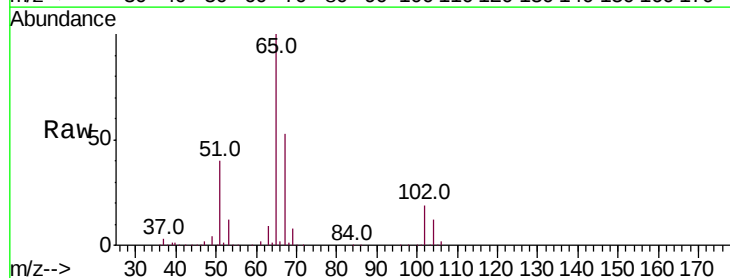
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



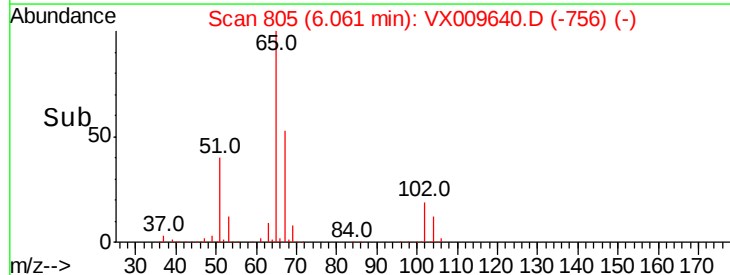
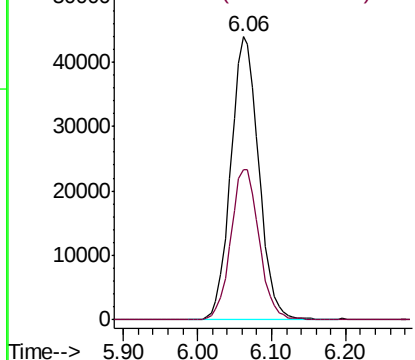
#33

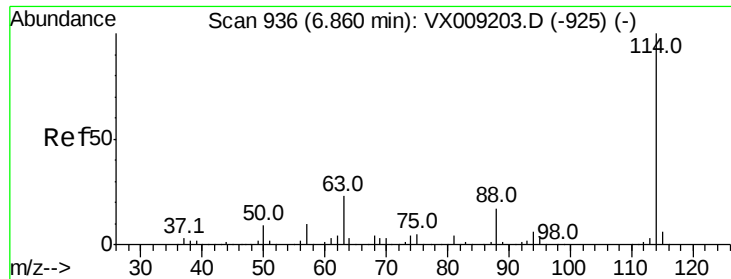
1,2-Dichloroethane-d4
Concen: 49.631 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009640.D
Acq: 17 May 2019 04:50

Tgt Ion: 65 Resp: 115753
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6



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

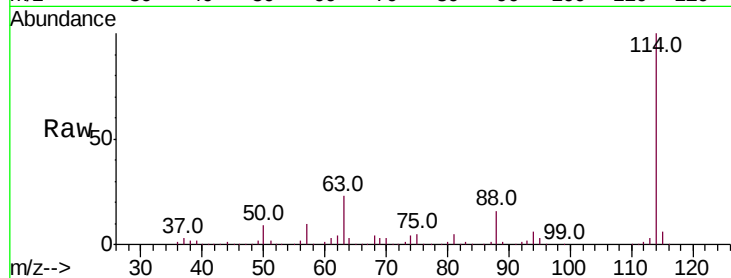




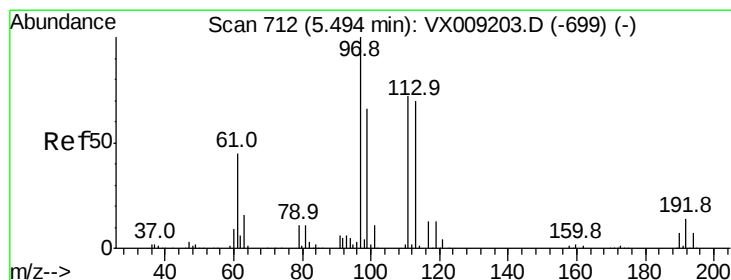
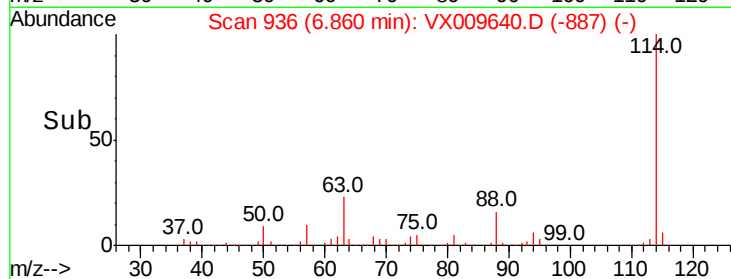
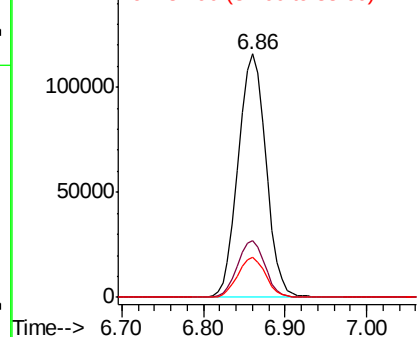
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009640.D
 Acq: 17 May 2019 04:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW730-190515

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	45.6
88	16.3	0.0	33.2

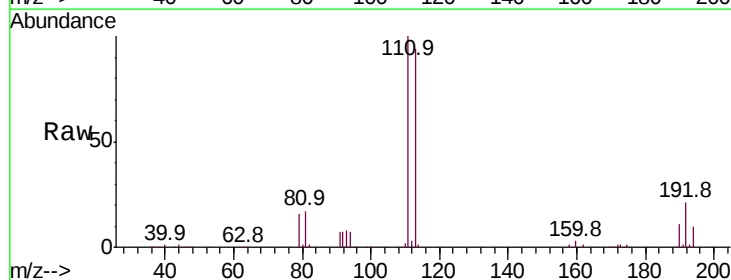


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

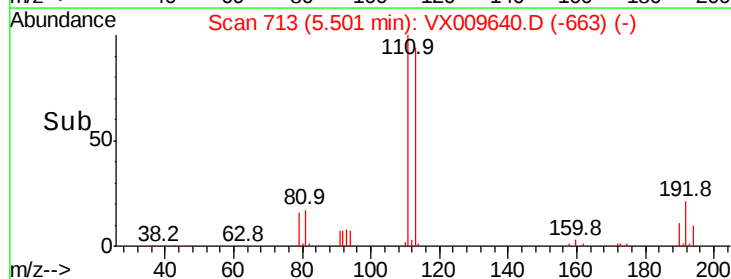
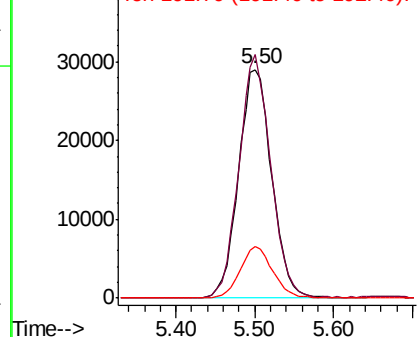


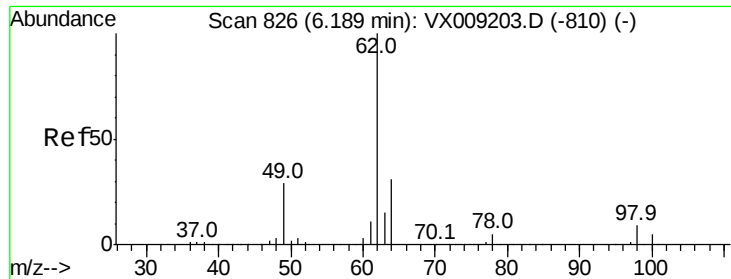
#35
 Dibromofluoromethane
 Concen: 49.363 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009640.D
 Acq: 17 May 2019 04:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.8	124.2
192	22.0	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





#42

1,2-Dichloroethane

Concen: 0.652 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009640.D

Acq: 17 May 2019 04:50

Instrument :

MSVOA_X

ClientSampleId :

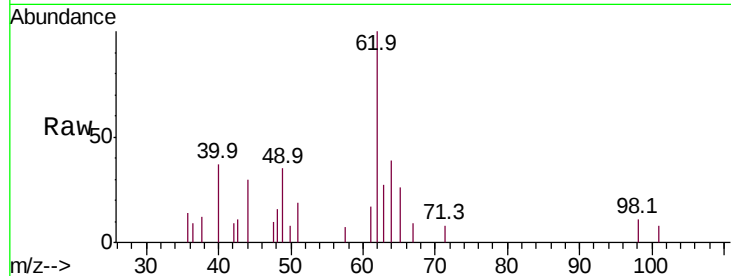
SS052MW730-190515

Tot Ion: 62 Resp: 1838

Ion Ratio Lower Upper

62 100

98 7.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.20

800

600

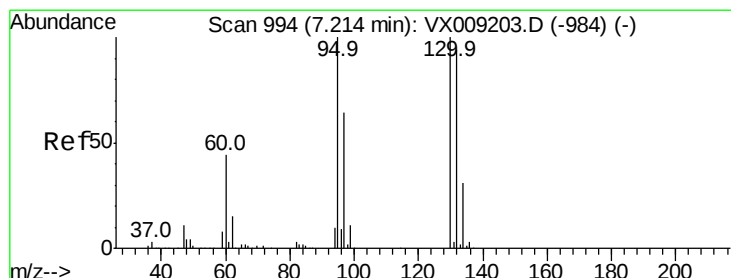
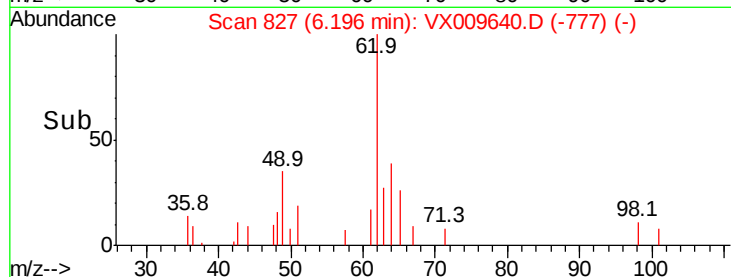
400

200

0

6.10 6.15 6.20 6.25 6.30

Time-->



#44

Trichloroethene

Concen: 7.033 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009640.D

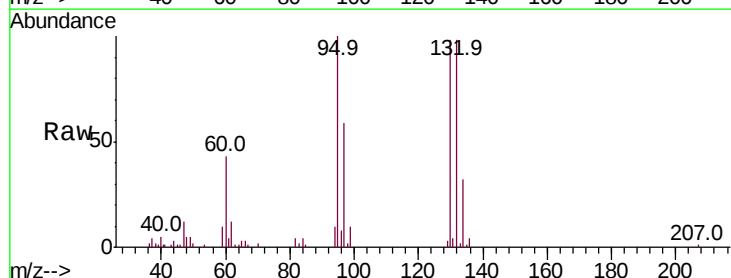
Acq: 17 May 2019 04:50

Tgt Ion:130 Resp: 13366

Ion Ratio Lower Upper

130 100

95 102.2 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

6000

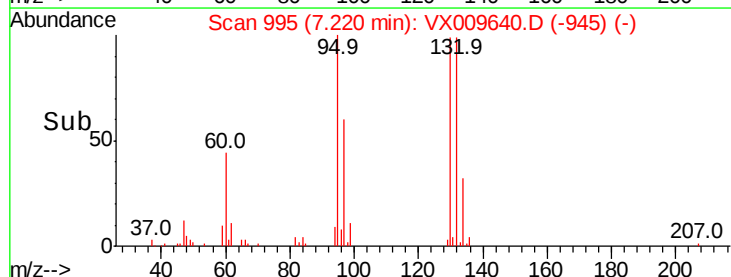
4000

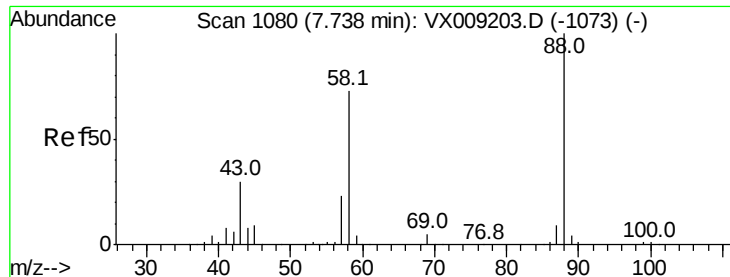
2000

0

7.10 7.15 7.20 7.25 7.30

Time-->





#49

1,4-Dioxane

Concen: 19.857 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX009640.D

Acq: 17 May 2019 04:50

Instrument :

MSVOA_X

ClientSampleId :

SS052MW730-190515

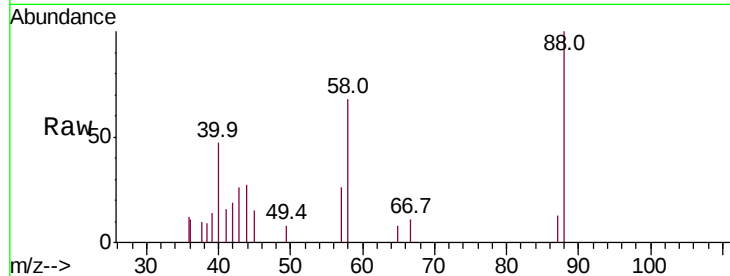
Tot Ion: 88 Resp: 1131

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

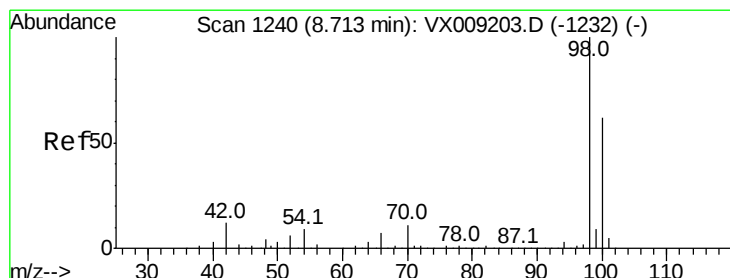
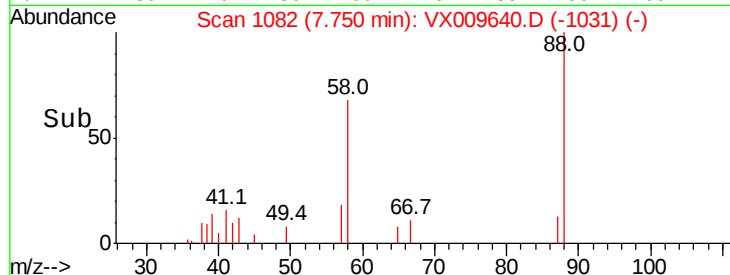
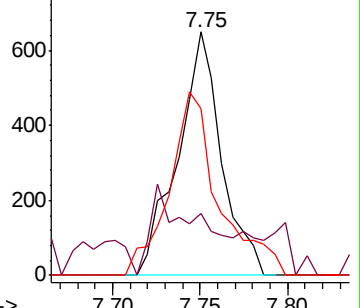
58 85.1 61.7 92.5



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: 50.144 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009640.D

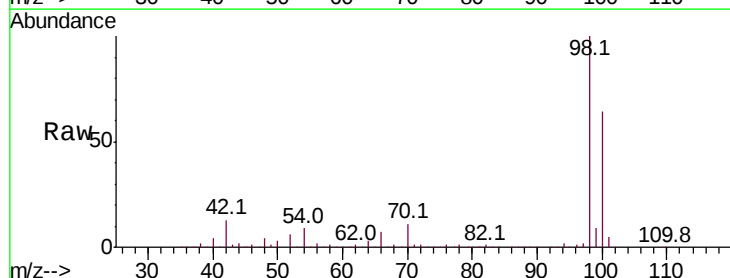
Acq: 17 May 2019 04:50

Tgt Ion: 98 Resp: 347845

Ion Ratio Lower Upper

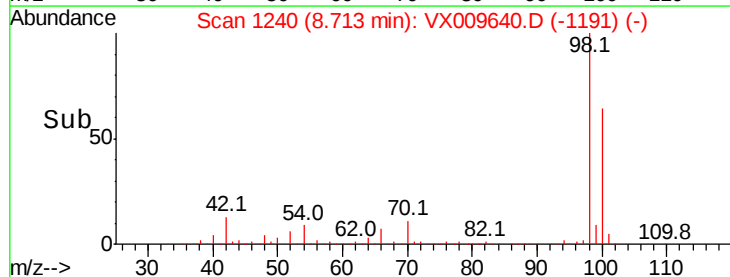
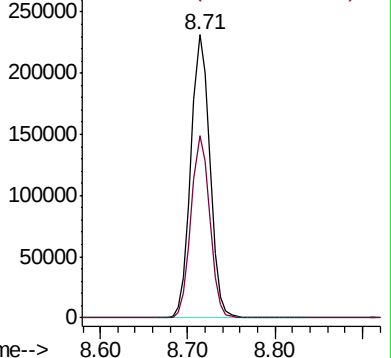
98 100

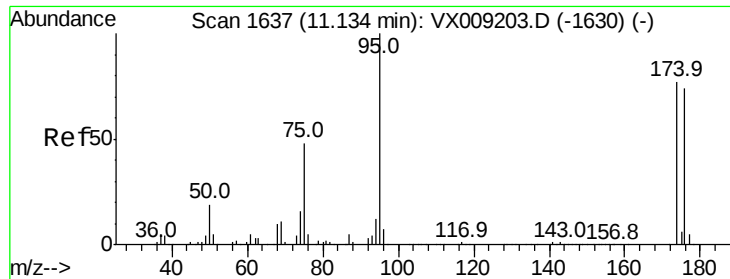
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

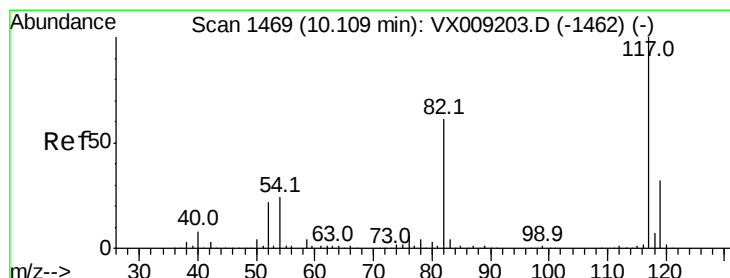
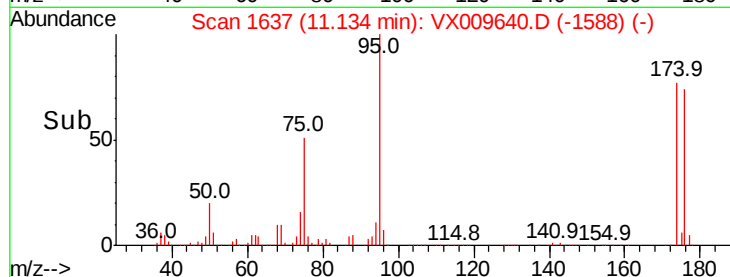
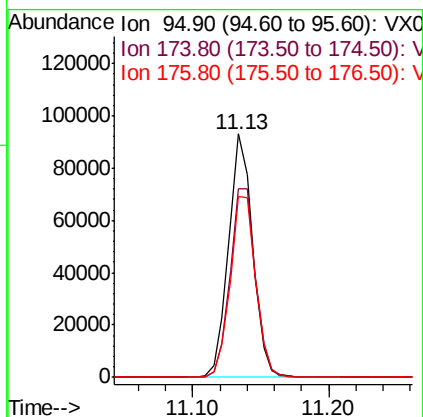
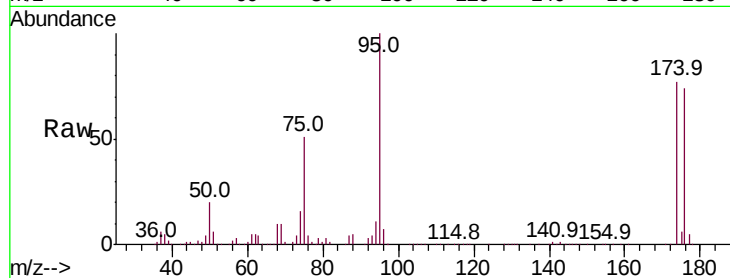




#62
4-Bromofluorobenzene
Concen: 45.475 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009640.D
Acq: 17 May 2019 04:50

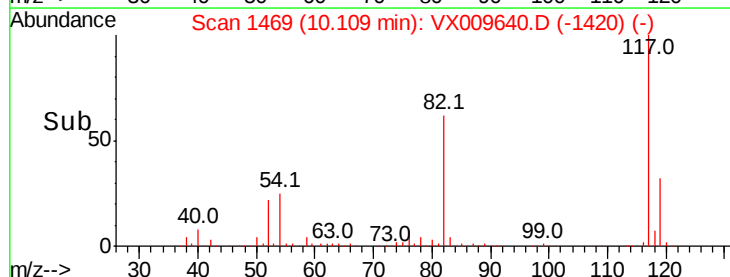
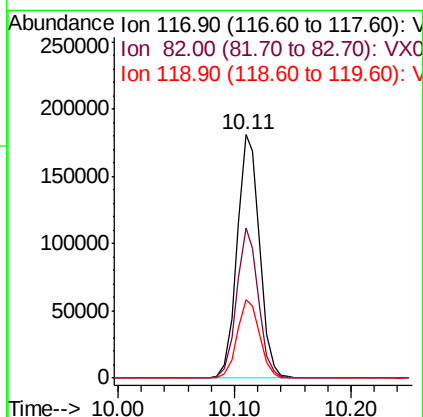
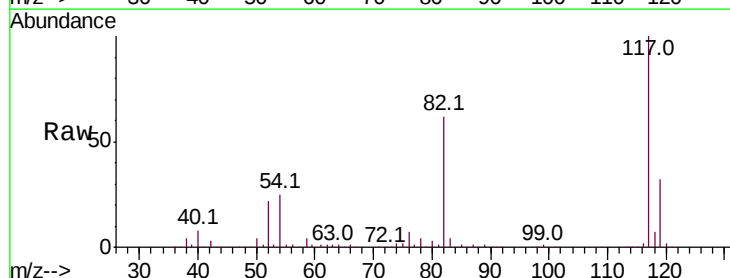
Instrument :
MSVOA_X
ClientSampleId :
SS052MW730-190515

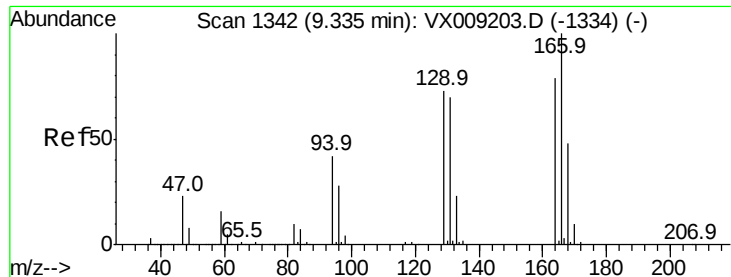
Tot Ion: 95 Resp: 114625
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.6
176 79.0 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009640.D
Acq: 17 May 2019 04:50

Tgt Ion: 117 Resp: 242722
Ion Ratio Lower Upper
117 100
82 61.5 48.8 73.2
119 32.3 25.8 38.6

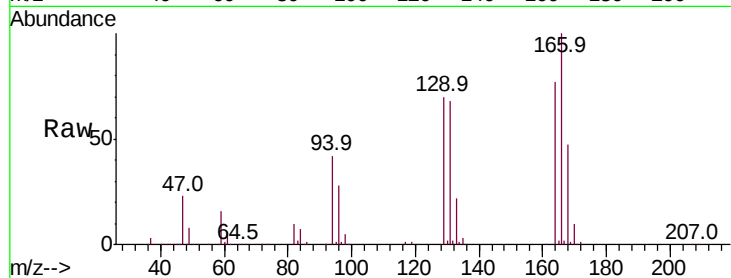




#64
Tetrachloroethene
Concen: 63.687 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009640.D
Acq: 17 May 2019 04:50

Instrument :
MSVOA_X
ClientSampleId :
SS052MW730-190515

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.2	151.8
129	90.9	74.3	111.5
131	88.0	71.0	106.6



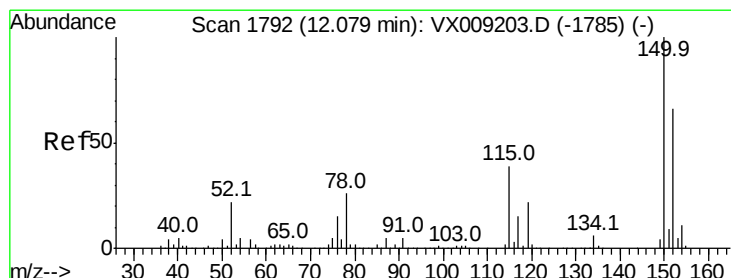
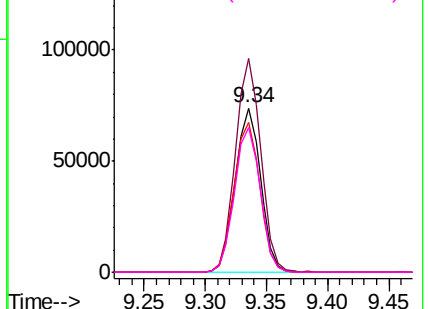
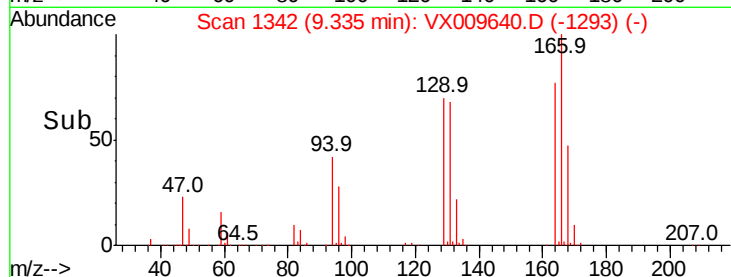
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

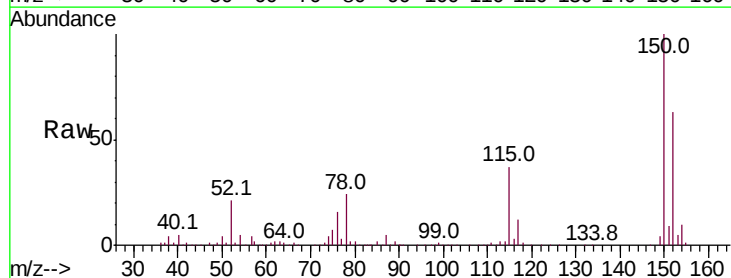
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009640.D
Acq: 17 May 2019 04:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	41.2	123.6
150	157.5	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

