

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009641.D
 Acq On : 17 May 2019 05:14
 Operator : JC/SP
 Sample : K2887-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW731-190515

Quant Time: May 17 08:01:50 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	171459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104938	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	115926	49.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	83878	48.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	345006	49.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.13	95	115862	45.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.92%	

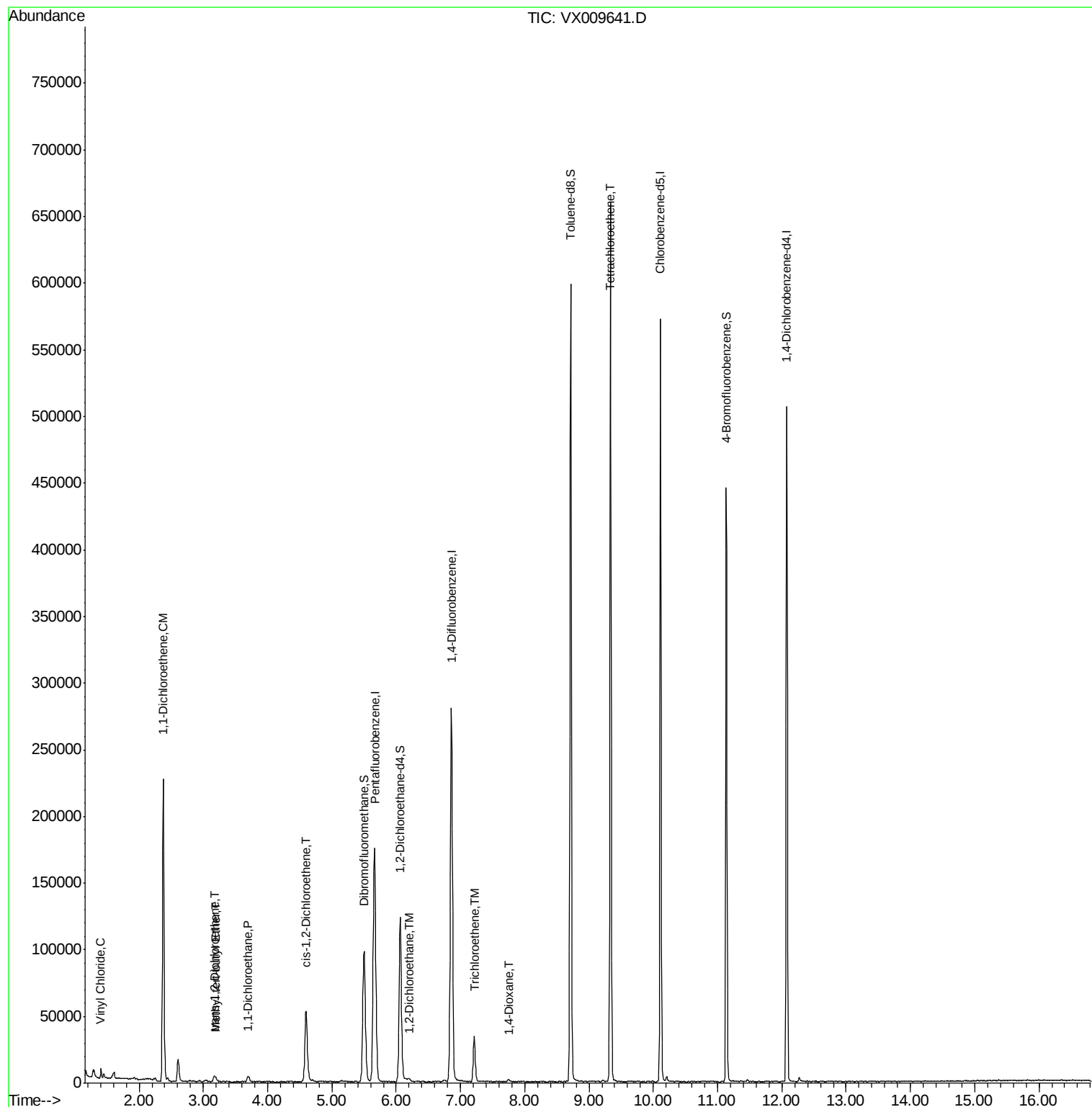
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	3057	1.453	ug/l	98
12) 1,1-Dichloroethene	2.37	96	73833	45.894	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	2190	0.351	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	1487	0.852	ug/l	89
24) 1,1-Dichloroethane	3.70	63	4780	1.285	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	33091	15.890	ug/l	91
42) 1,2-Dichloroethane	6.20	62	2190	0.777	ug/l	96
44) Trichloroethene	7.21	130	12882	6.778	ug/l	94
49) 1,4-Dioxane	7.75	88	1197	21.015	ug/l	88
64) Tetrachloroethene	9.34	164	126356	76.123	ug/l	99

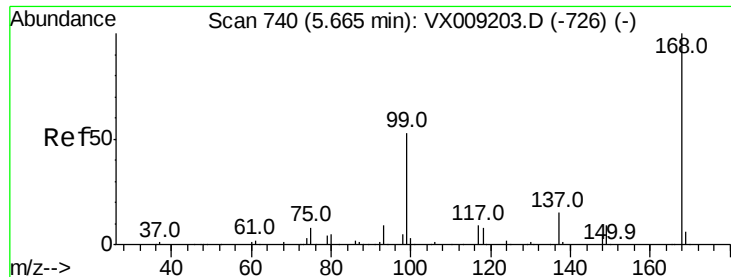
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009641.D

Acq: 17 May 2019 05:14

Instrument :

MSVOA_X

ClientSampleId :

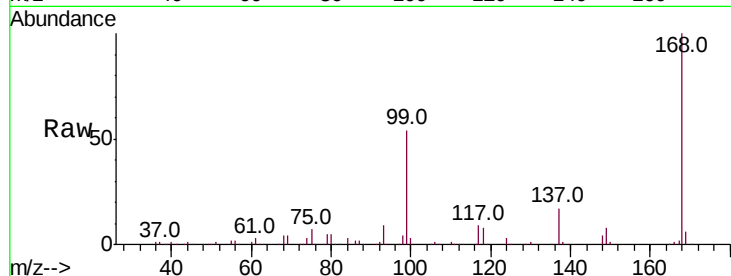
SS052MW731-190515

Tot Ion:168 Resp: 171459

Ion Ratio Lower Upper

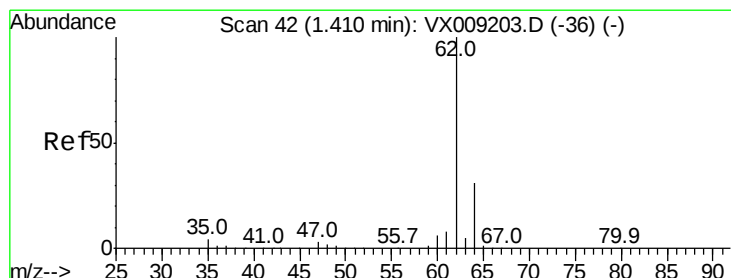
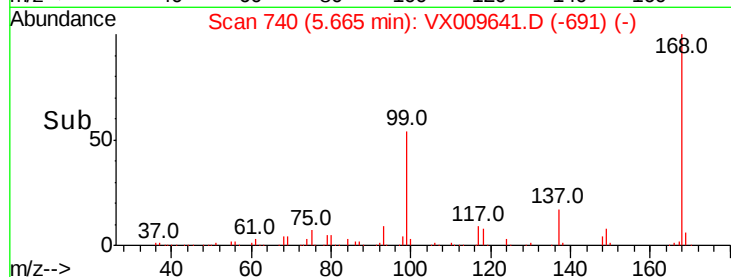
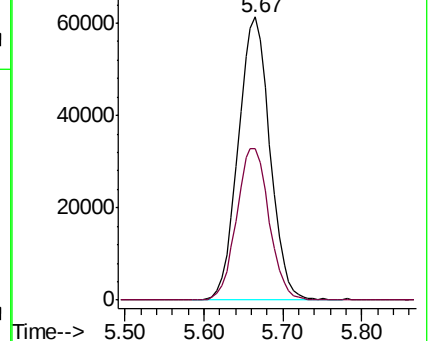
168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.453 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009641.D

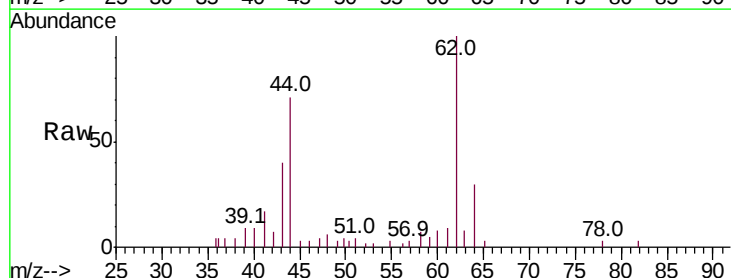
Acq: 17 May 2019 05:14

Tgt Ion: 62 Resp: 3057

Ion Ratio Lower Upper

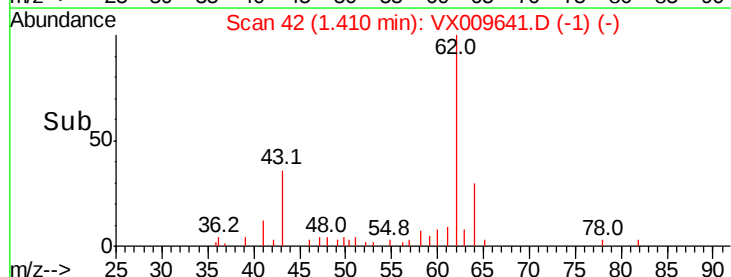
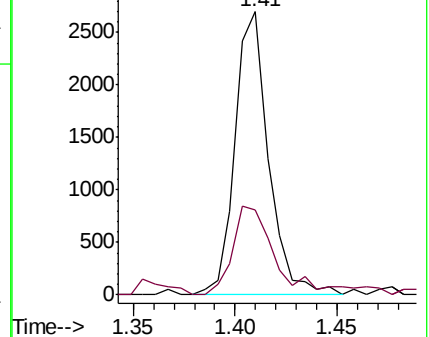
62 100

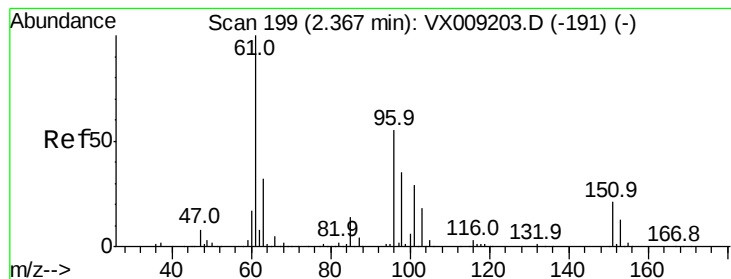
64 29.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 45.894 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009641.D

Acq: 17 May 2019 05:14

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-190515

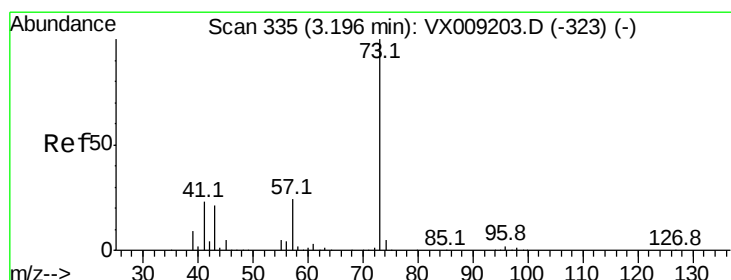
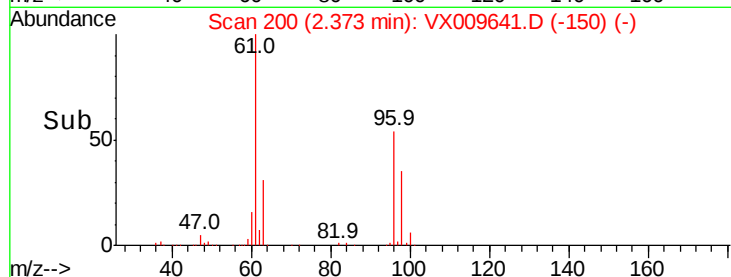
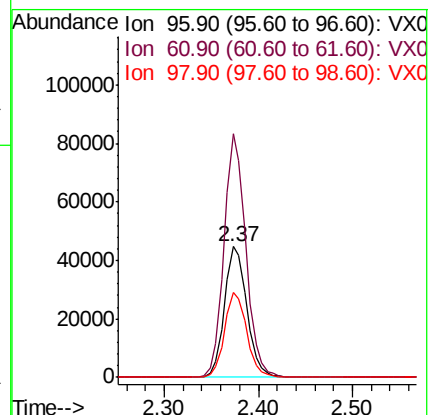
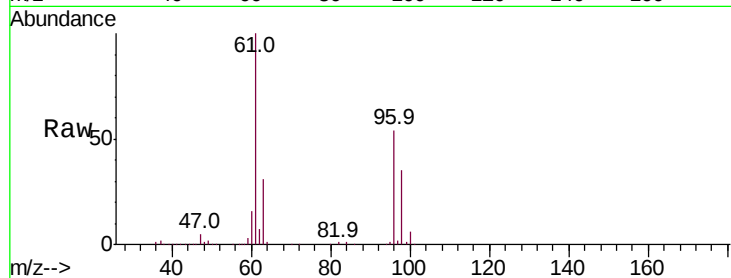
Tot Ion: 96 Resp: 73833

Ion Ratio Lower Upper

96 100

61 186.3 144.3 216.5

98 65.3 50.3 75.5



#19

Methyl tert-butyl Ether

Concen: 0.351 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX009641.D

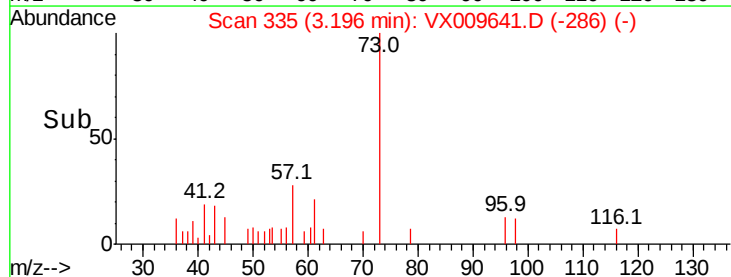
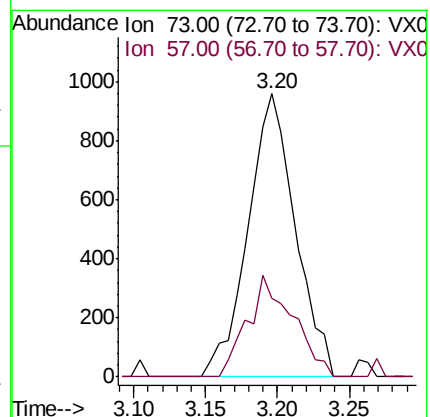
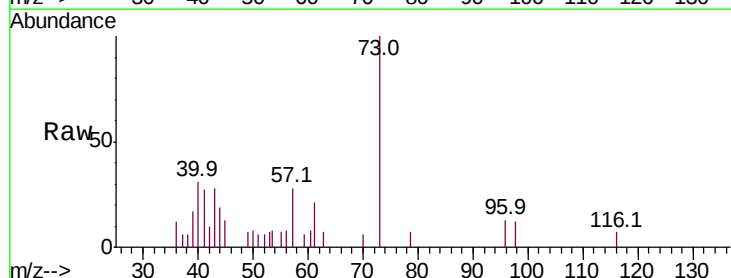
Acq: 17 May 2019 05:14

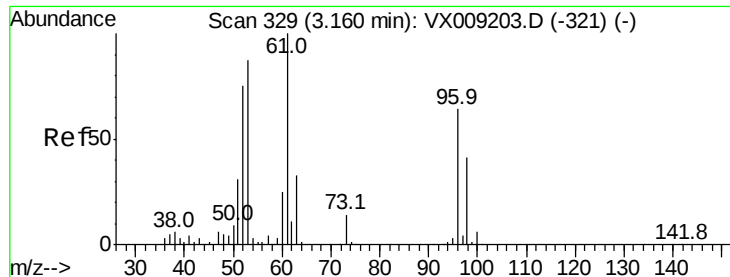
Tgt Ion: 73 Resp: 2190

Ion Ratio Lower Upper

73 100

57 27.7 19.3 28.9





#21

trans-1,2-Dichloroethene

Concen: 0.852 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009641.D

Acq: 17 May 2019 05:14

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-190515

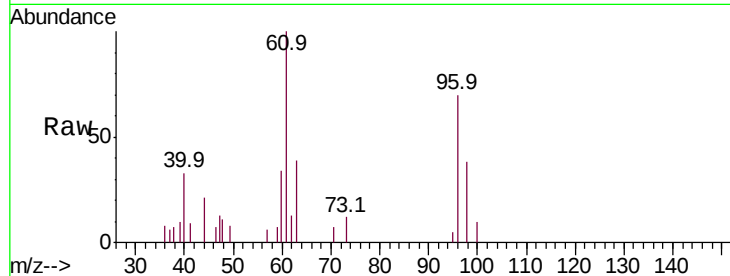
Tot Ion: 96 Resp: 1487

Ion Ratio Lower Upper

96 100

61 142.0 124.5 186.7

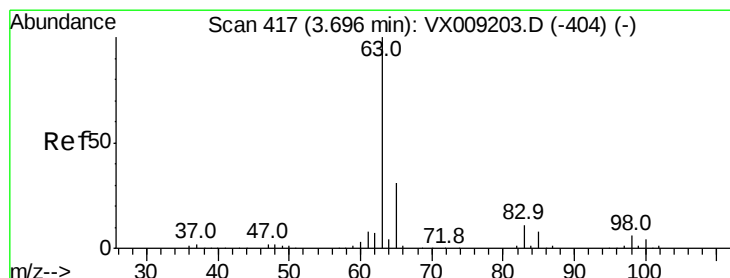
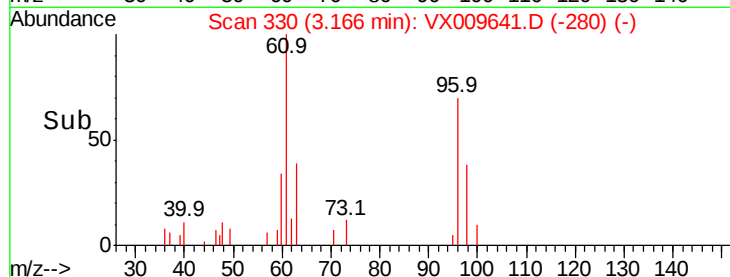
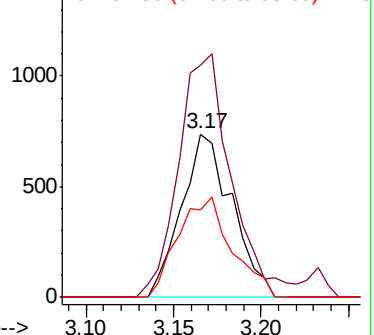
98 53.7 50.4 75.6



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: 1.285 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009641.D

Acq: 17 May 2019 05:14

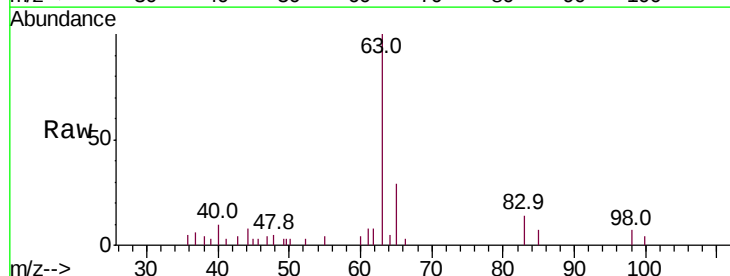
Tgt Ion: 63 Resp: 4780

Ion Ratio Lower Upper

63 100

98 7.4 3.0 9.2

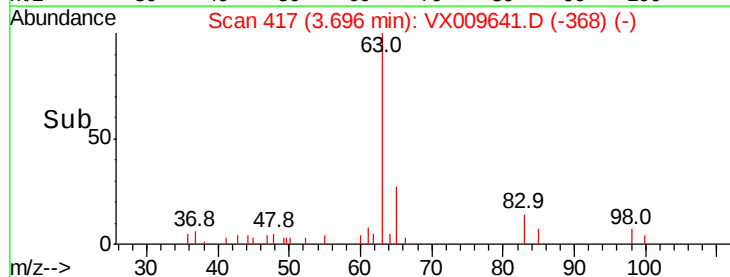
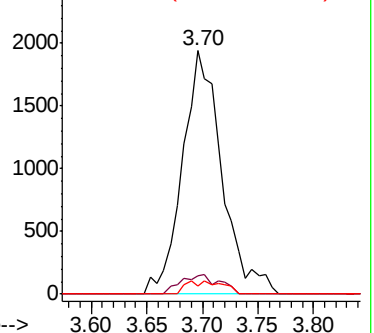
100 3.5 2.0 6.0

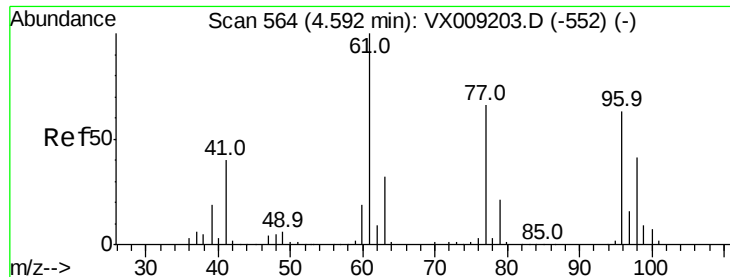


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



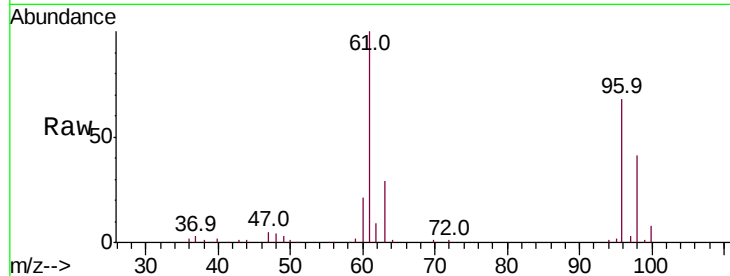


#27

cis-1,2-Dichloroethene
Concen: 15.890 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009641.D
Acq: 17 May 2019 05:14

Instrument :
MSVOA_X
ClientSampleId :
SS052MW731-190515

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	324.0
98	64.8	0.0	130.4

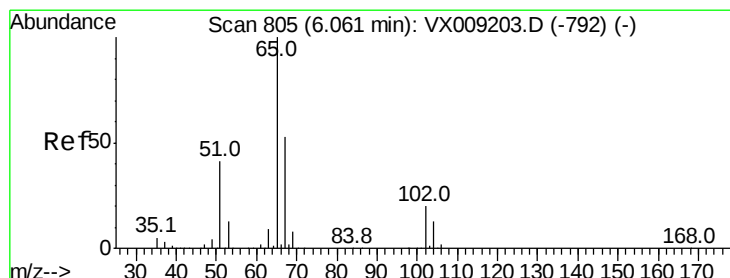
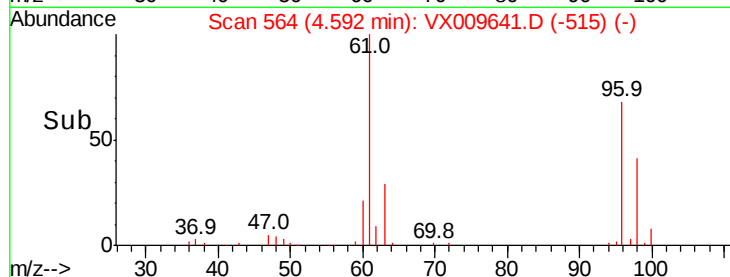
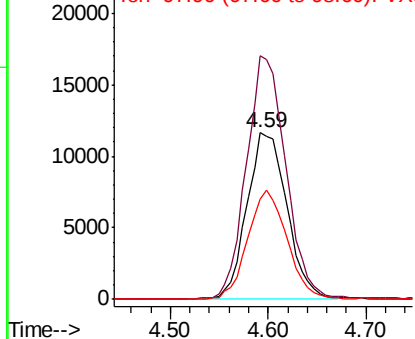


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

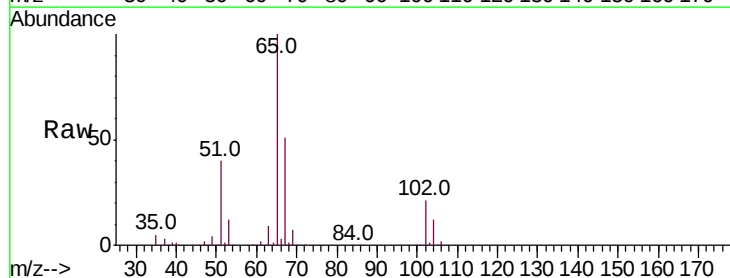
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009641.D
Acq: 17 May 2019 05:14

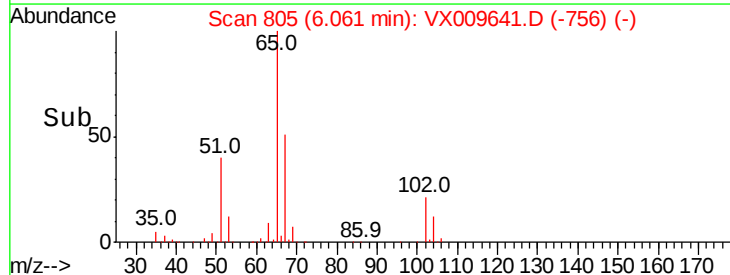
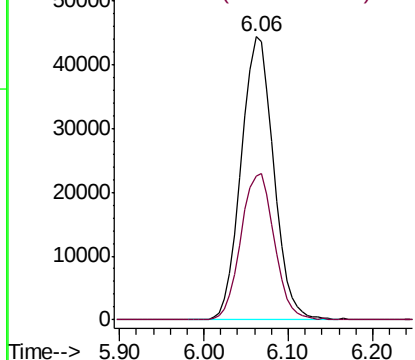
Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.6

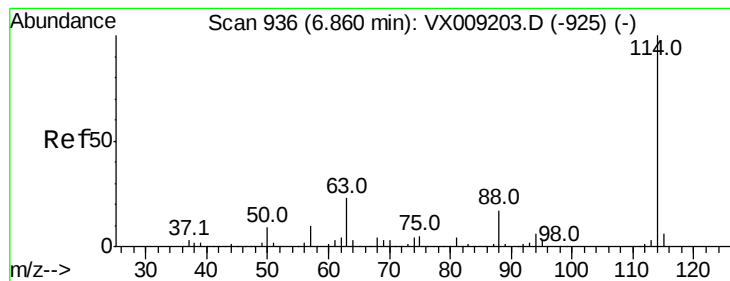


Abundance

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: VX009641.D

Acq: 17 May 2019 05:14

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-190515

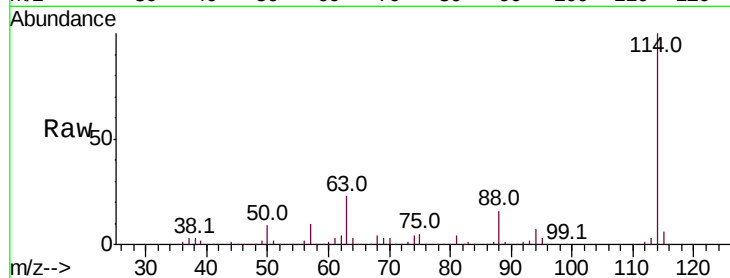
Tot Ion:114 Resp: 273342

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

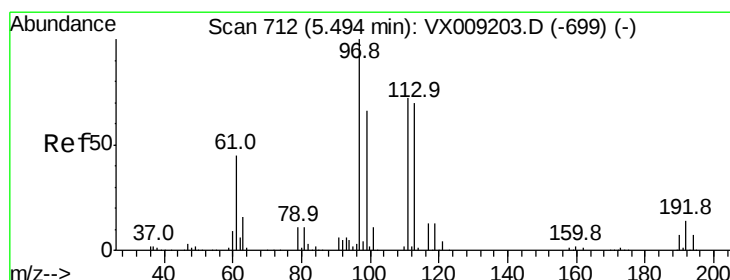
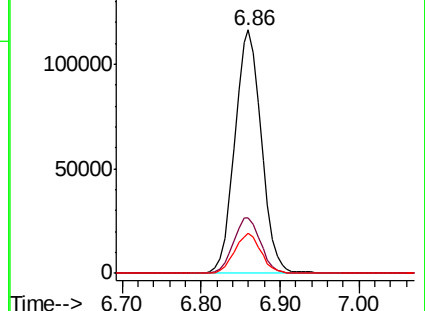
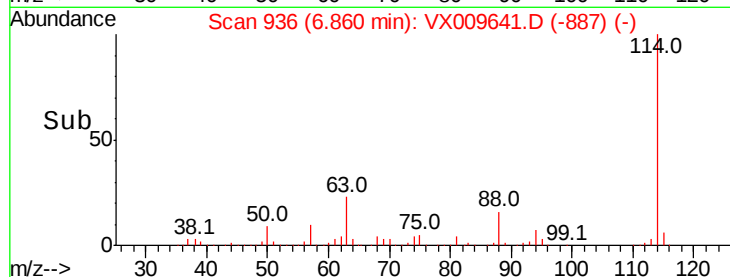
88 16.4 0.0 33.2



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



#35

Dibromofluoromethane

Concen: 48.813 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009641.D

Acq: 17 May 2019 05:14

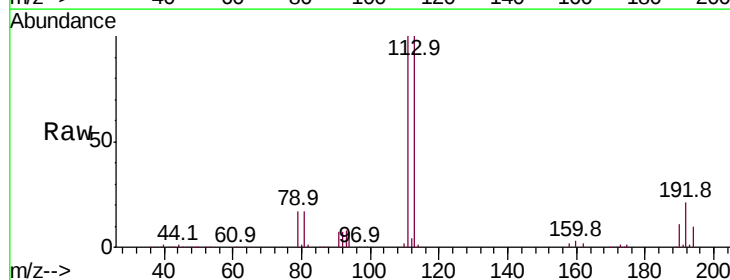
Tgt Ion:113 Resp: 83878

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

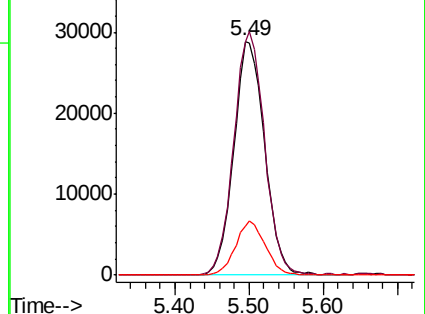
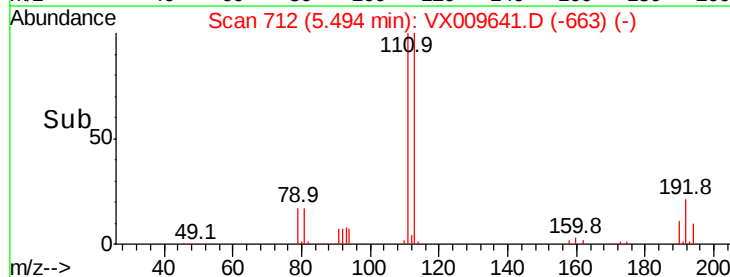
192 22.2 17.0 25.6

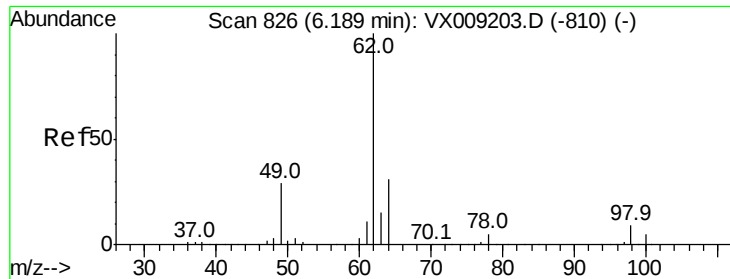


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

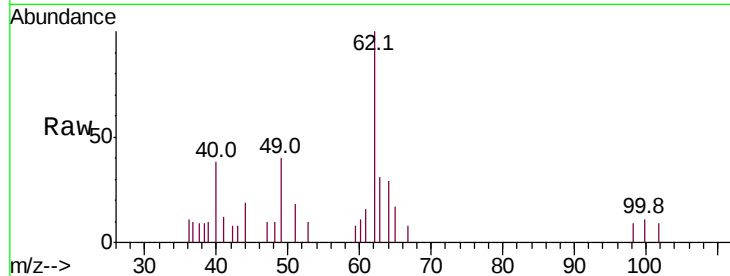




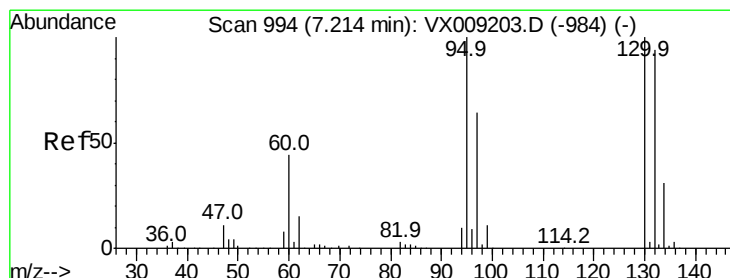
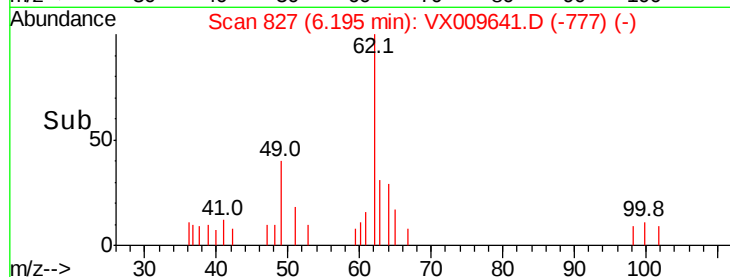
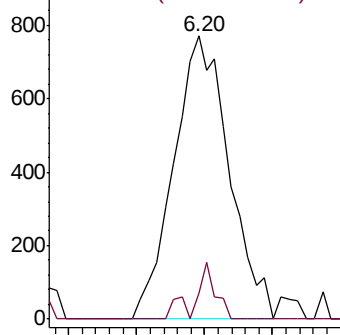
#42
1,2-Dichloroethane
Concen: 0.777 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009641.D
Acq: 17 May 2019 05:14

Instrument :
MSVOA_X
ClientSampleId :
SS052MW731-190515

Tot Ion: 62 Resp: 2190
Ion Ratio Lower Upper
62 100
98 7.6 0.0 18.2

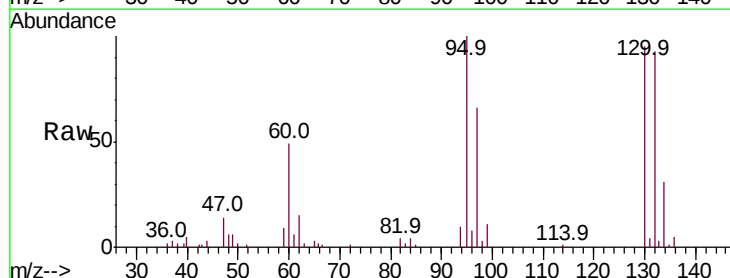


Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

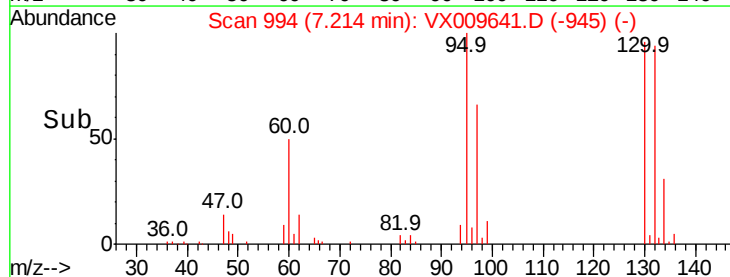
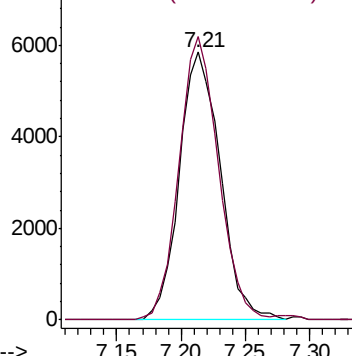


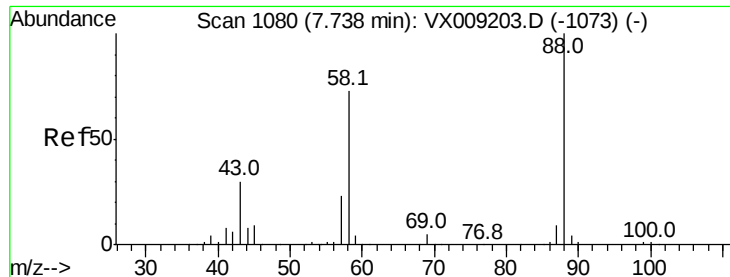
#44
Trichloroethene
Concen: 6.778 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009641.D
Acq: 17 May 2019 05:14

Tgt Ion:130 Resp: 12882
Ion Ratio Lower Upper
130 100
95 105.7 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0



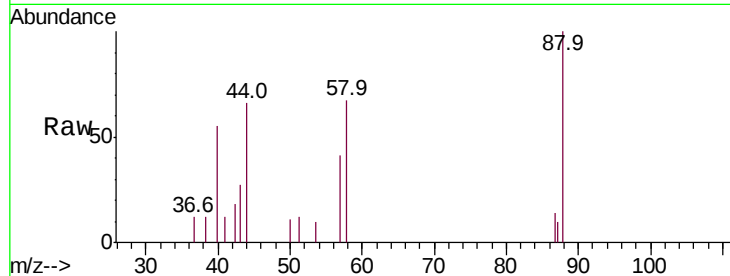


#49
 1,4-Dioxane
 Concen: 21.015 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX009641.D
 Acq: 17 May 2019 05:14

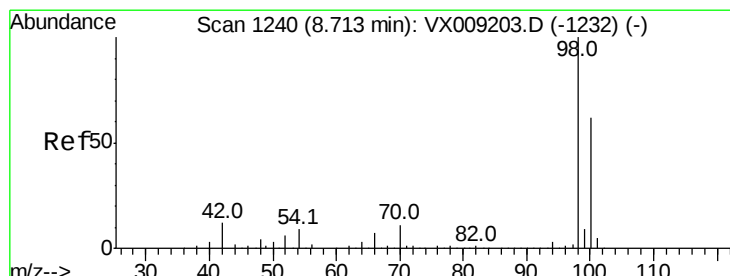
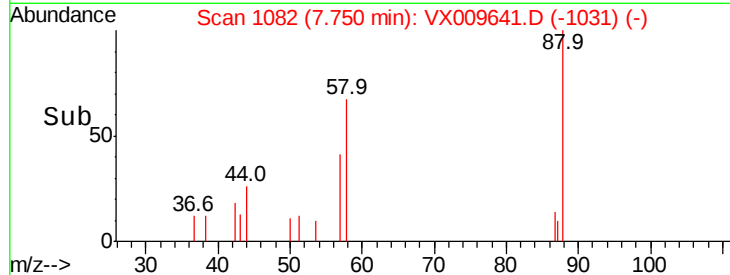
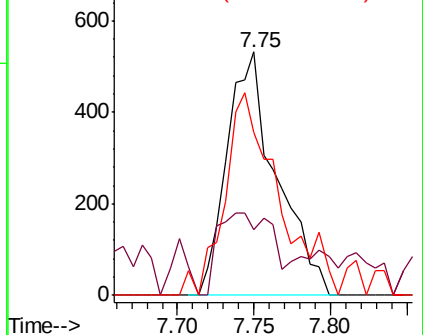
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW731-190515

Tot Ion: 88 Resp: 1197

Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.6	42.8
58	90.6	61.7	92.5



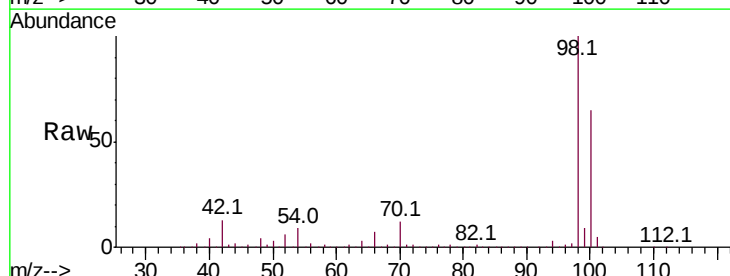
Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



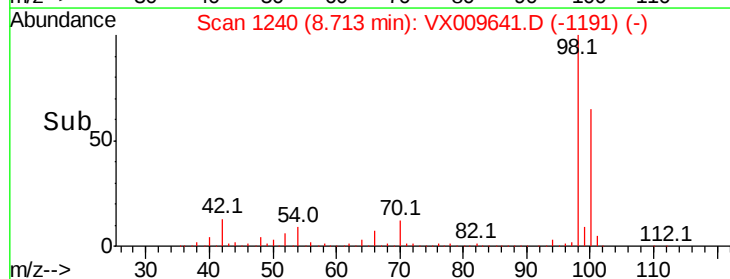
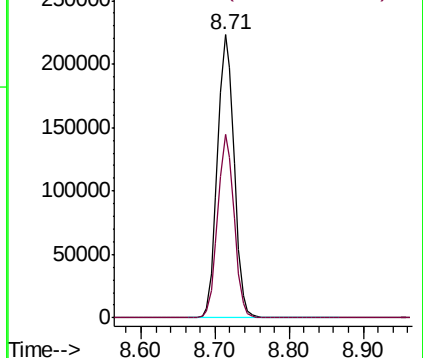
#50
 Toluene-d8
 Concen: 49.732 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009641.D
 Acq: 17 May 2019 05:14

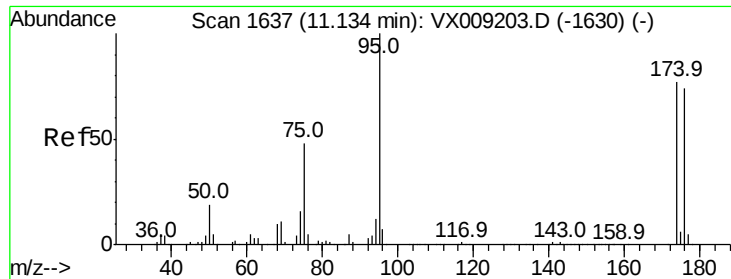
Tgt Ion: 98 Resp: 345006

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

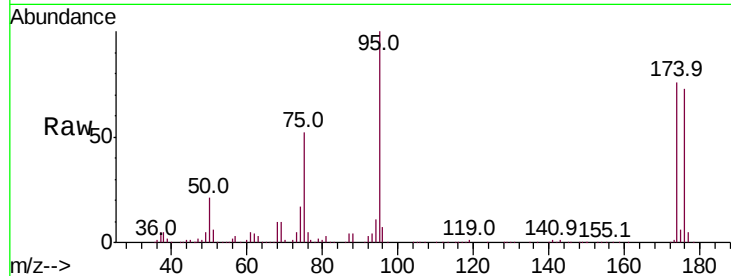




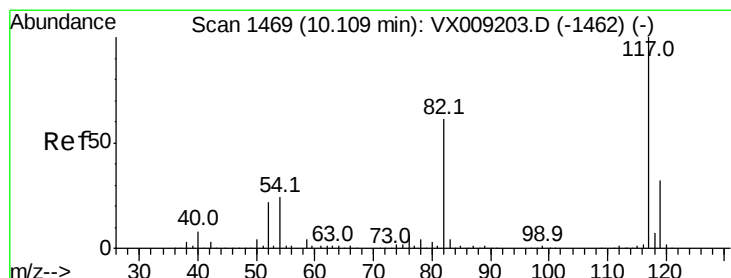
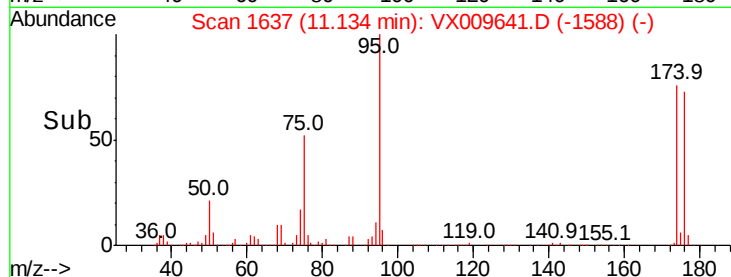
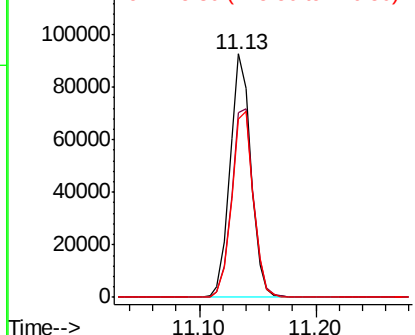
#62
4-Bromofluorobenzene
Concen: 45.963 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009641.D
Acq: 17 May 2019 05:14

Instrument :
MSVOA_X
ClientSampleId :
SS052MW731-190515

Tot Ion: 95 Resp: 115862
Ion Ratio Lower Upper
95 100
174 81.0 0.0 161.6
176 79.1 0.0 159.2

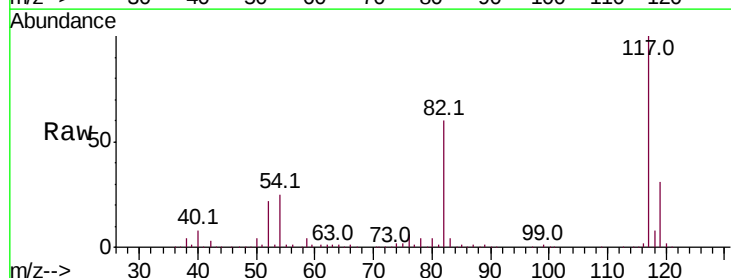


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

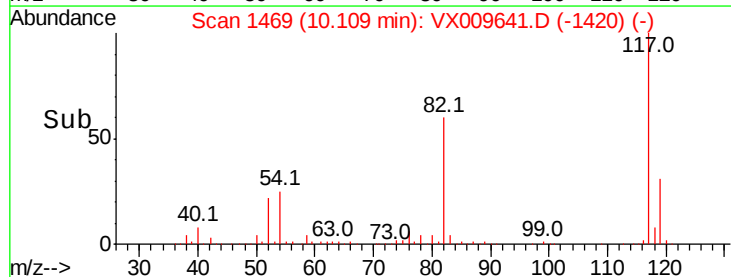
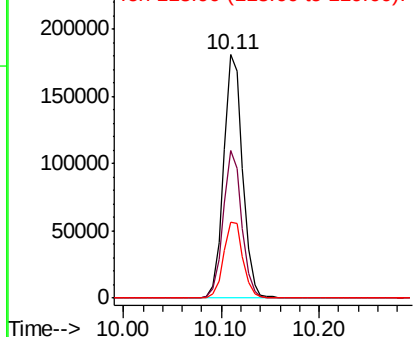


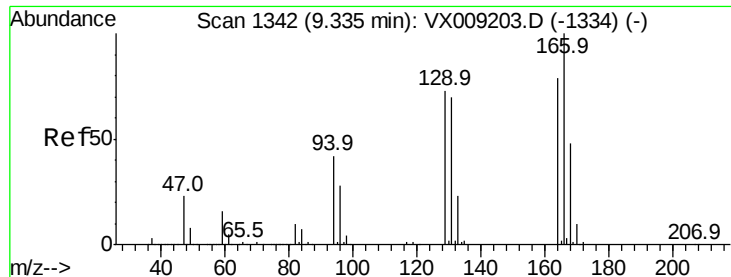
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009641.D
Acq: 17 May 2019 05:14

Tgt Ion: 117 Resp: 241983
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 31.5 25.8 38.6



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





#64

Tetrachloroethene

Concen: 76.123 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009641.D

Acq: 17 May 2019 05:14

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-190515

Tot Ion:164 Resp: 126356

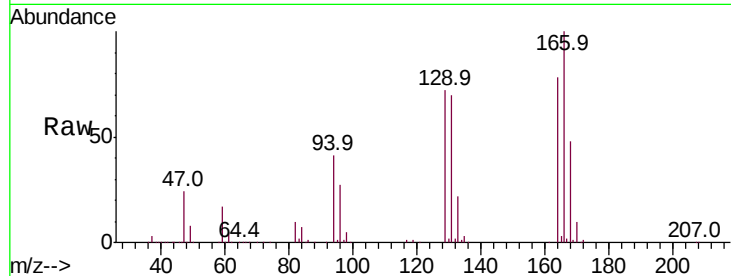
Ion Ratio Lower Upper

164 100

166 128.8 101.2 151.8

129 93.3 74.3 111.5

131 89.8 71.0 106.6

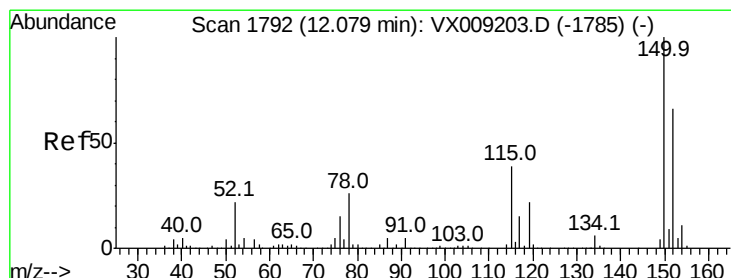
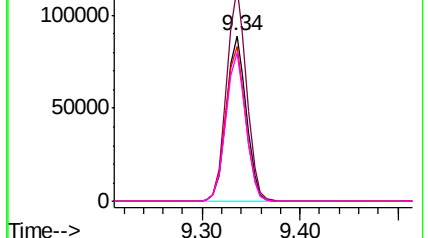
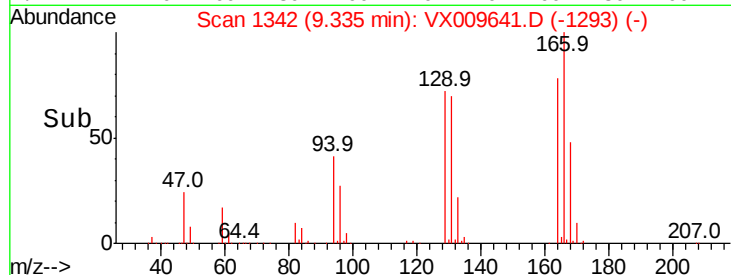


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX009641.D

Acq: 17 May 2019 05:14

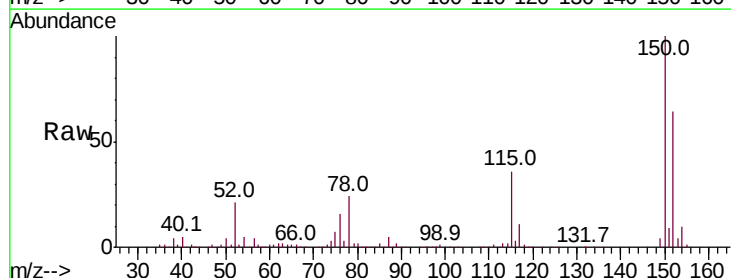
Tgt Ion:152 Resp: 104938

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

150 157.4 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

