

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009454.D
 Acq On : 10 May 2019 02:17
 Operator : JC/SP
 Sample : K2782-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW349-190507

Quant Time: May 10 08:40:19 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	5.66	168	196407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127387	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	5.50	113	94949	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	8.71	98	393072	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	131153	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	

Target Compounds

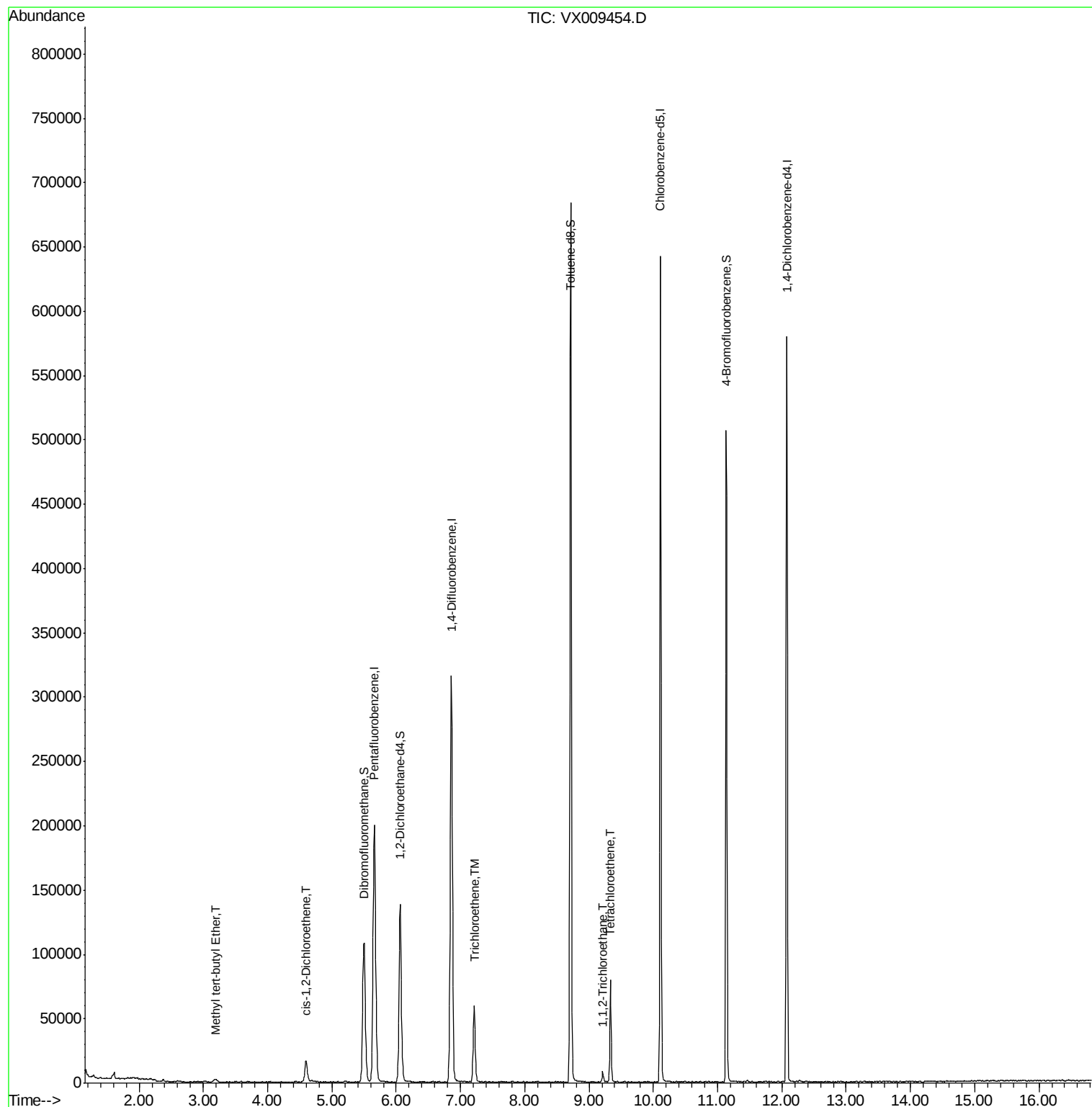
					Qvalue
19) Methyl tert-butyl Ether	3.20	73	1799	0.251	ug/l 93
27) cis-1,2-Dichloroethene	4.60	96	10302	4.319	ug/l 89
44) Trichloroethene	7.21	130	23073	10.515	ug/l 97
55) 1,1,2-Trichloroethane	9.21	97	2131	0.947	ug/l 95
64) Tetrachloroethene	9.34	164	15619	8.206	ug/l 99

(#) = 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 : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

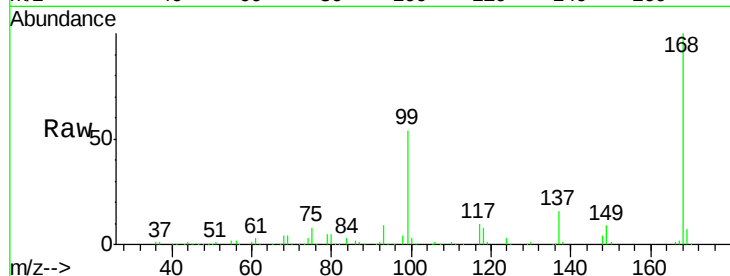
SS052MW349-190507

Tot Ion:168 Resp: 196407

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

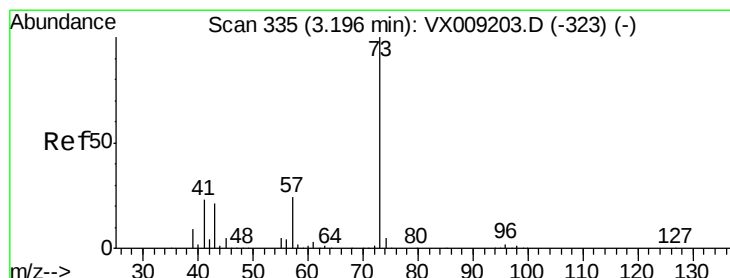
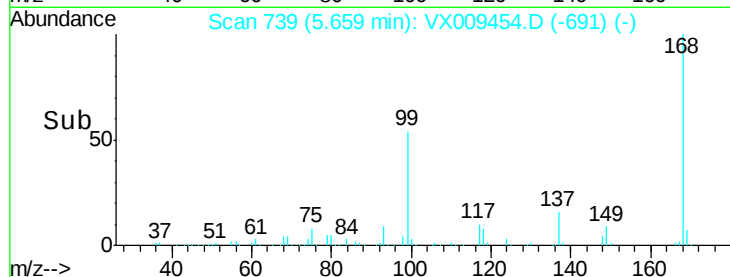
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 0.251 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009454.D

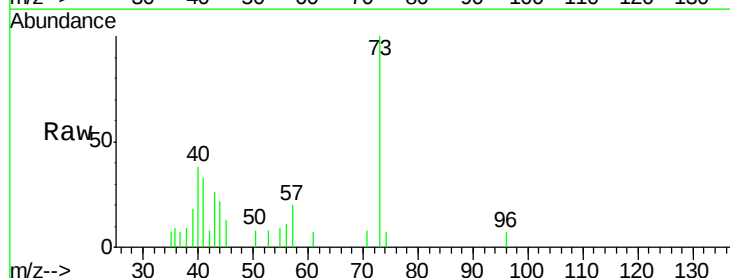
Acq: 10 May 2019 02:17

Tgt Ion: 73 Resp: 1799

Ion Ratio Lower Upper

73 100

57 20.4 19.3 28.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

800

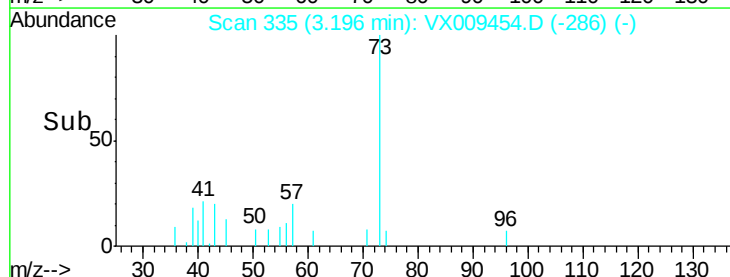
600

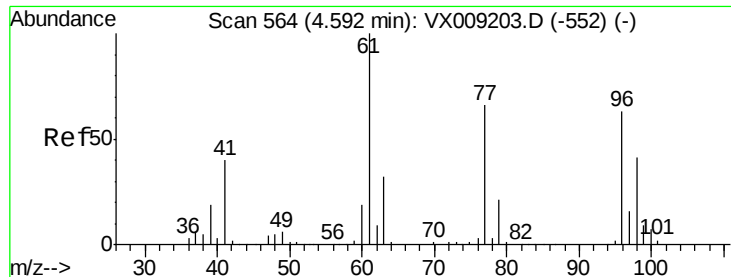
400

200

0

Time--> 3.10 3.15 3.20 3.25



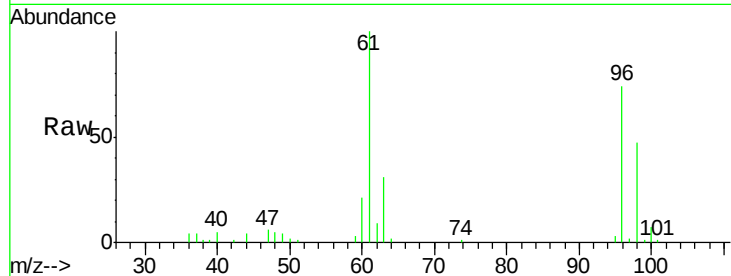


#27

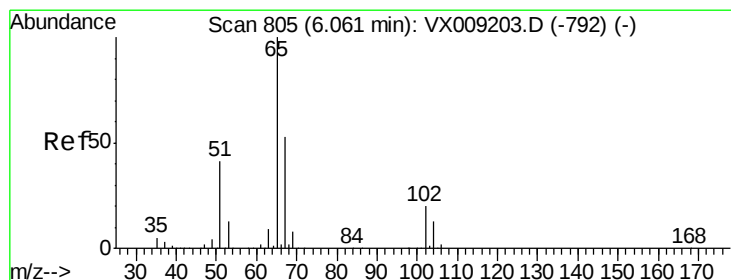
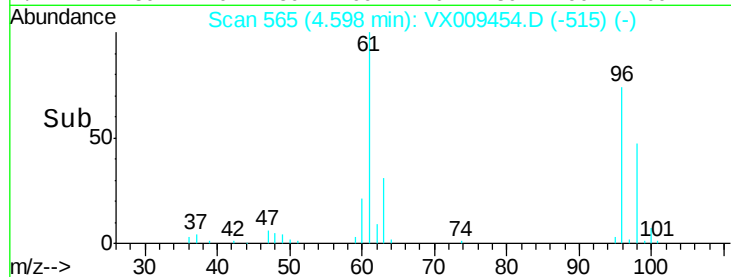
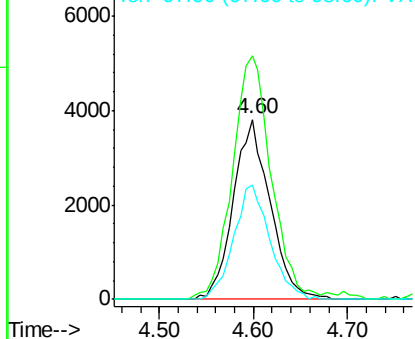
cis-1,2-Dichloroethene
 Concen: 4.319 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW349-190507

Tot Ion: 96 Resp: 10302
 Ion Ratio Lower Upper
 96 100
 61 142.8 0.0 324.0
 98 63.0 0.0 130.4



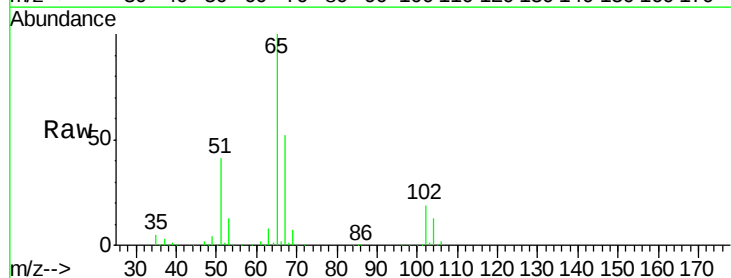
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



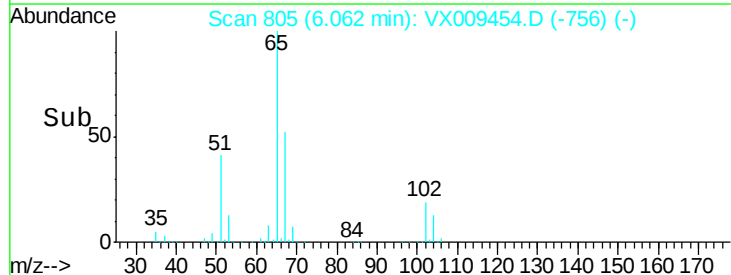
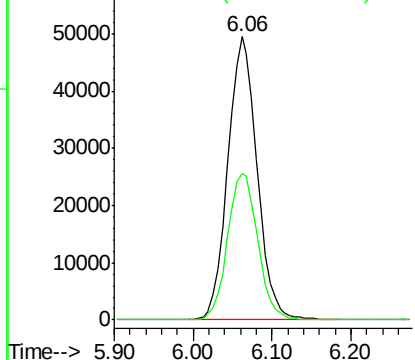
#33

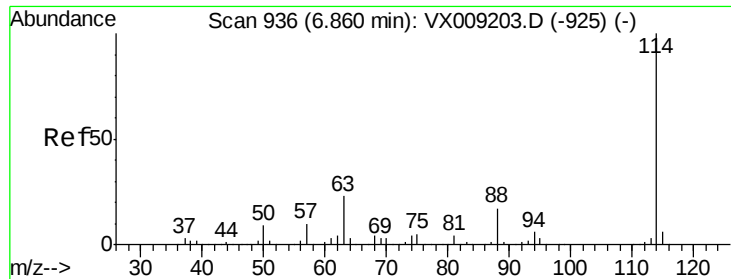
1,2-Dichloroethane-d4
 Concen: 47.511 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Tgt Ion: 65 Resp: 127387
 Ion Ratio Lower Upper
 65 100
 67 53.7 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: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

SS052MW349-190507

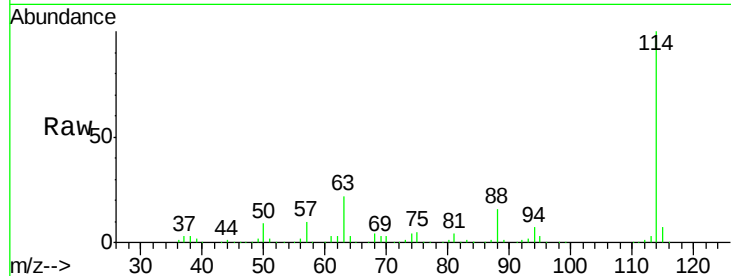
Tot Ion:114 Resp: 315603

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

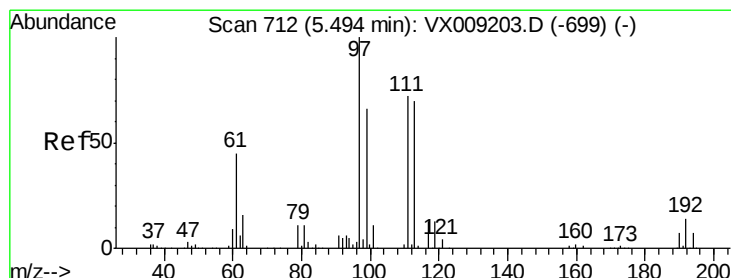
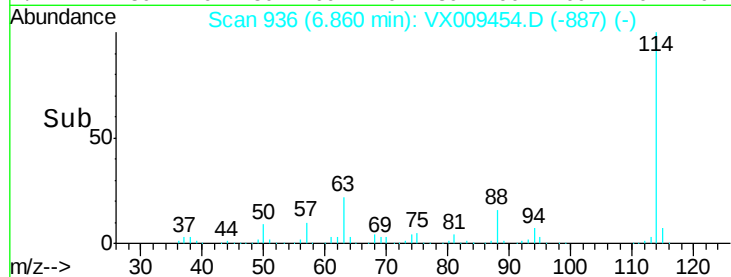
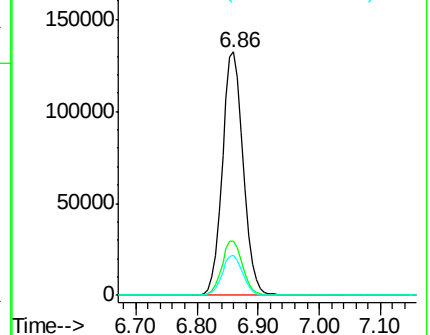
88 16.2 0.0 33.2



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: 47.857 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

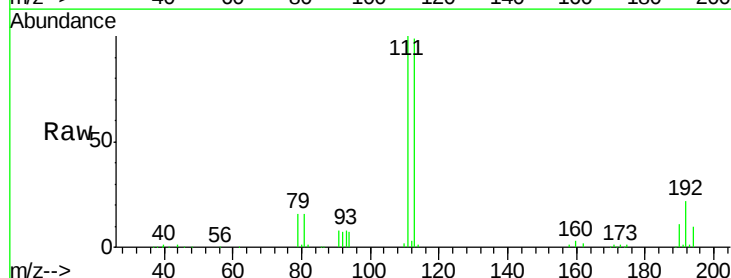
Tgt Ion:113 Resp: 94949

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

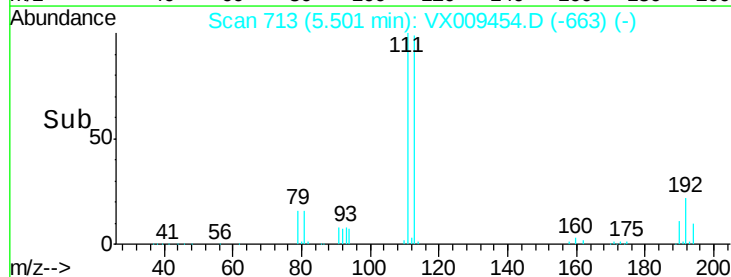
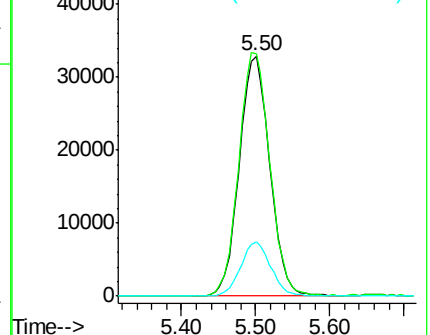
192 22.1 17.0 25.6

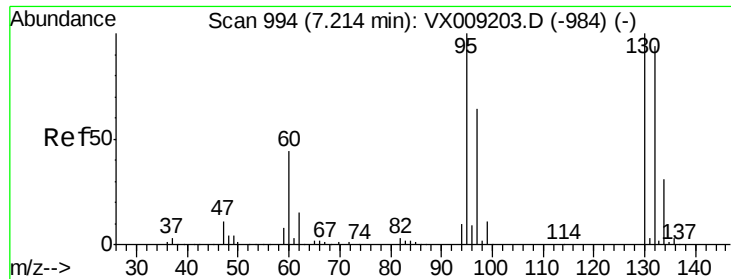


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 10.515 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

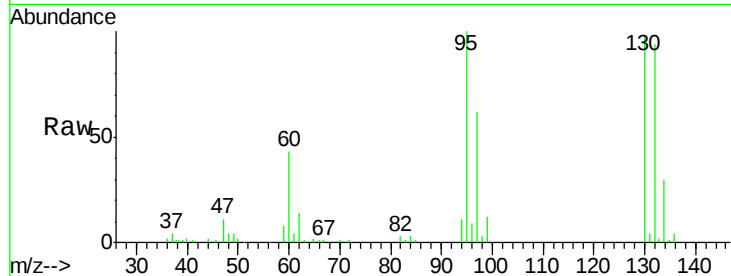
SS052MW349-190507

Tot Ion:130 Resp: 23073

Ion Ratio Lower Upper

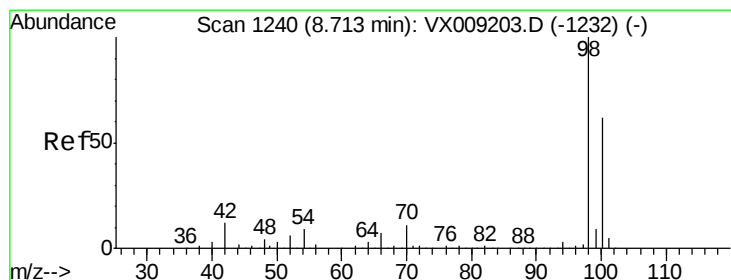
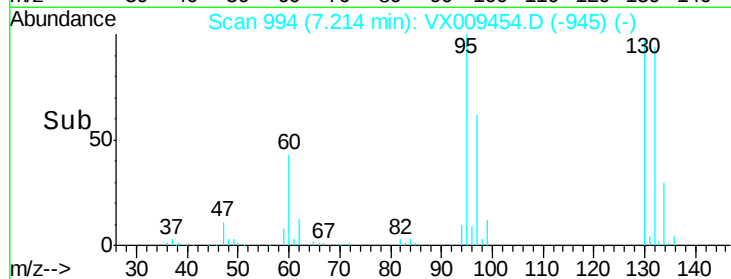
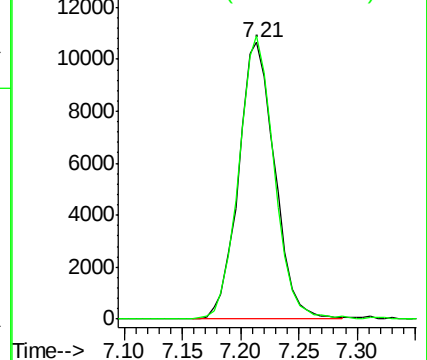
130 100

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



#50

Toluene-d8

Concen: 49.073 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009454.D

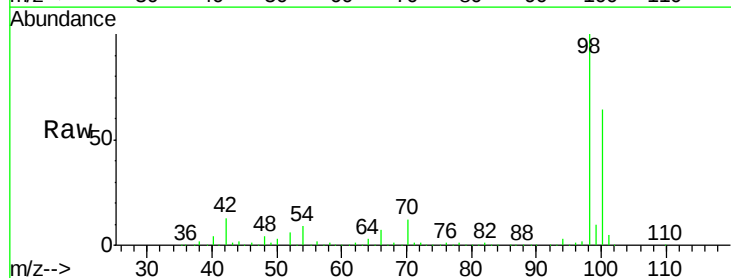
Acq: 10 May 2019 02:17

Tgt Ion: 98 Resp: 393072

Ion Ratio Lower Upper

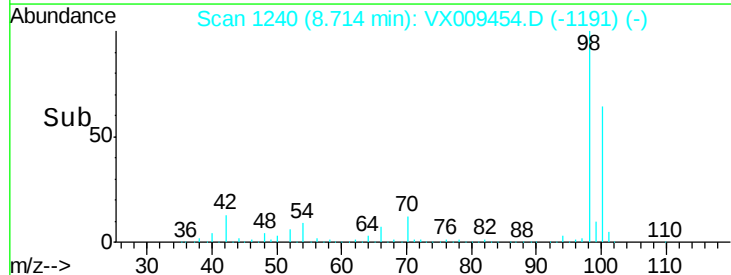
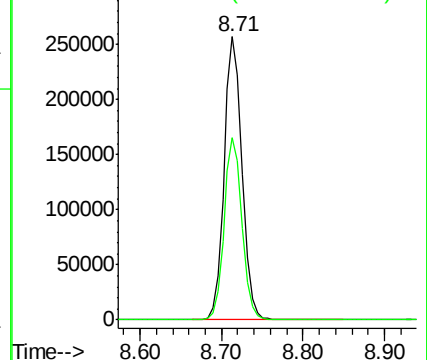
98 100

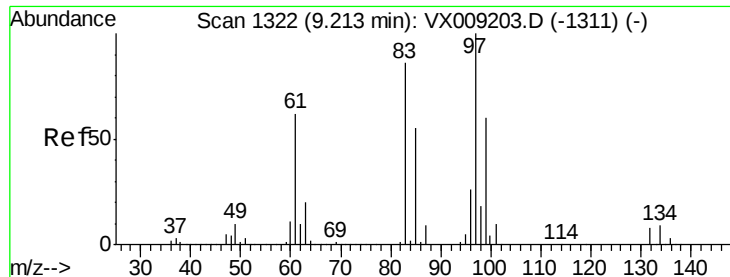
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

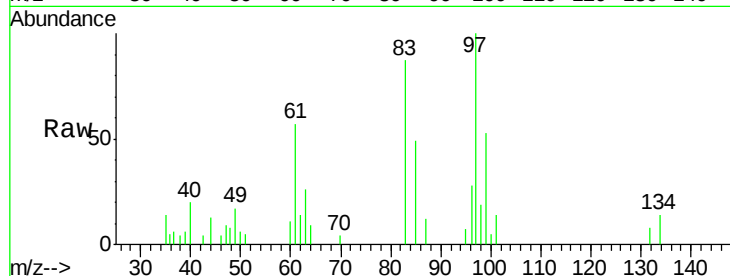




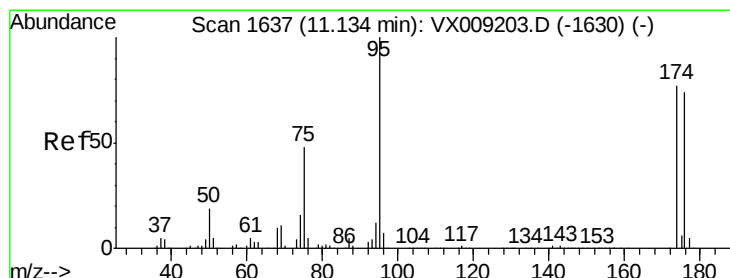
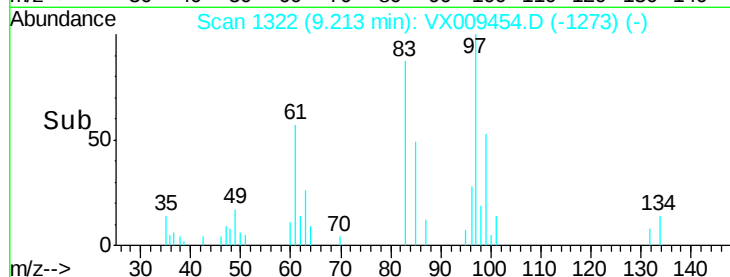
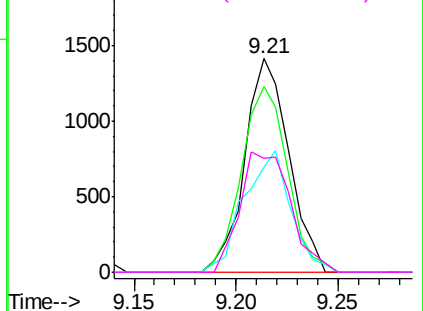
#55
 1,1,2-Trichloroethane
 Concen: 0.947 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW349-190507

Tot Ion:	97	Resp:	2131
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.9	103.3
85	49.4	43.8	65.6
99	53.1	48.2	72.2

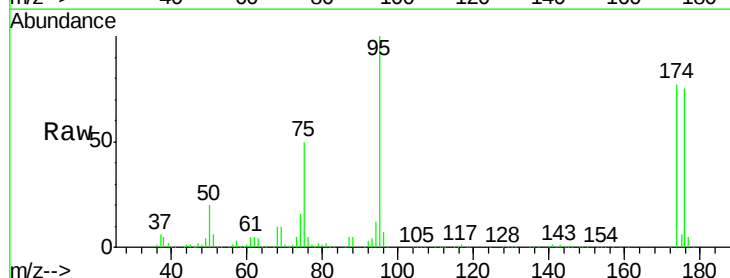


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

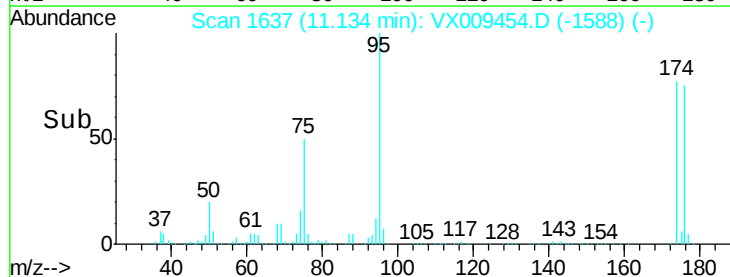
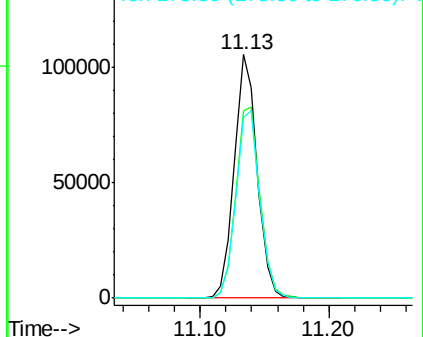


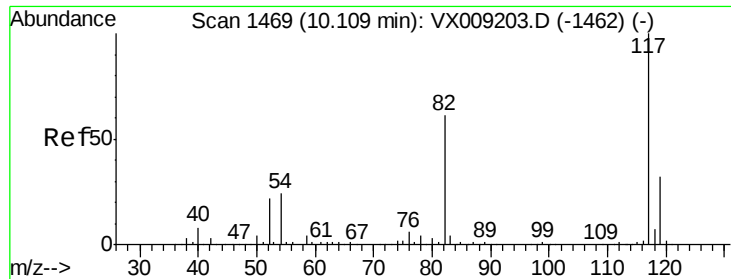
#62
 4-Bromofluorobenzene
 Concen: 45.062 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Tgt Ion:	95	Resp:	131153
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	161.6
176	80.3	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

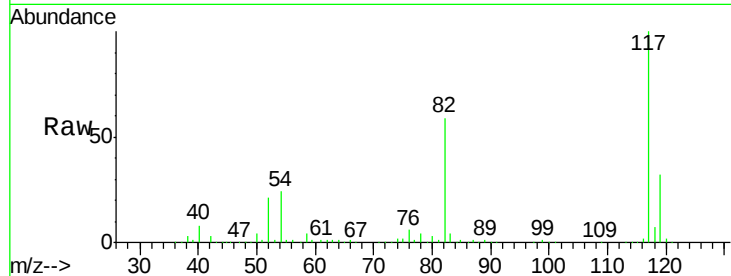




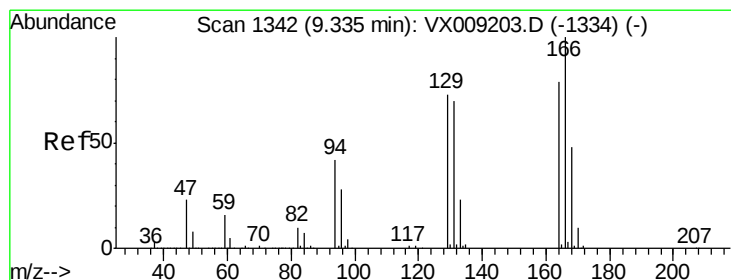
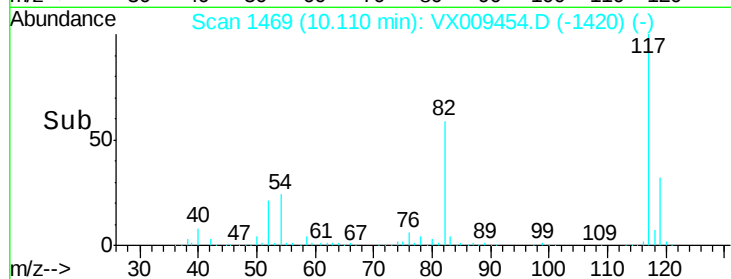
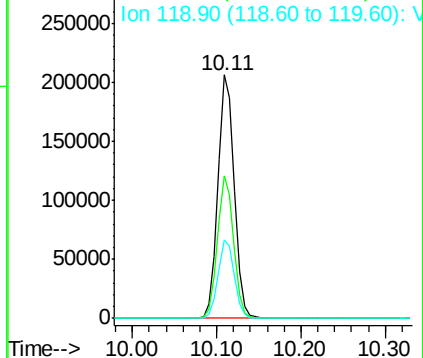
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
SS052MW349-190507

Tot Ion:117 Resp: 277477
Ion Ratio Lower Upper
117 100
82 58.6 48.8 73.2
119 32.3 25.8 38.6

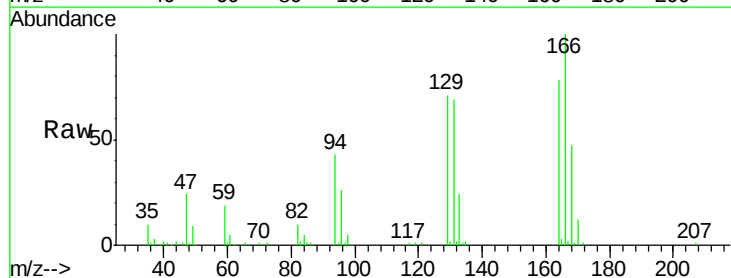


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

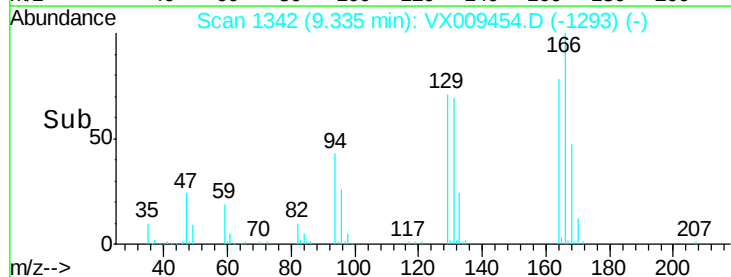
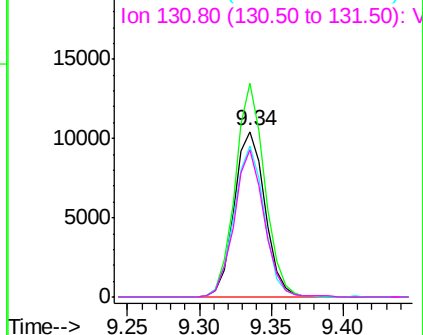


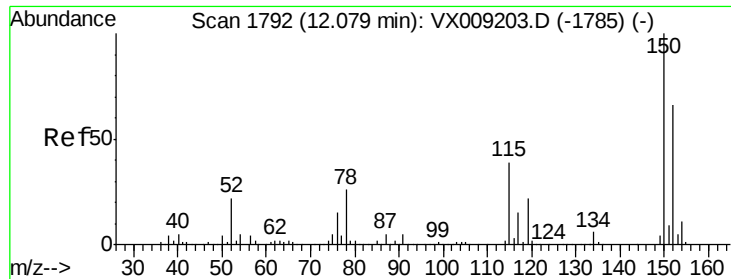
#64
Tetrachloroethene
Concen: 8.206 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Tgt Ion:164 Resp: 15619
Ion Ratio Lower Upper
164 100
166 128.9 101.2 151.8
129 91.5 74.3 111.5
131 88.6 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

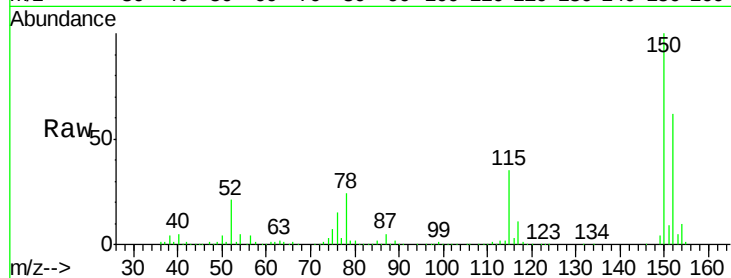




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW349-190507

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	41.2	123.6
150	158.7	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

