

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009612.D
 Acq On : 16 May 2019 17:08
 Operator : JC/SP
 Sample : K2894-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-SB-07

Quant Time: May 17 06:39:30 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

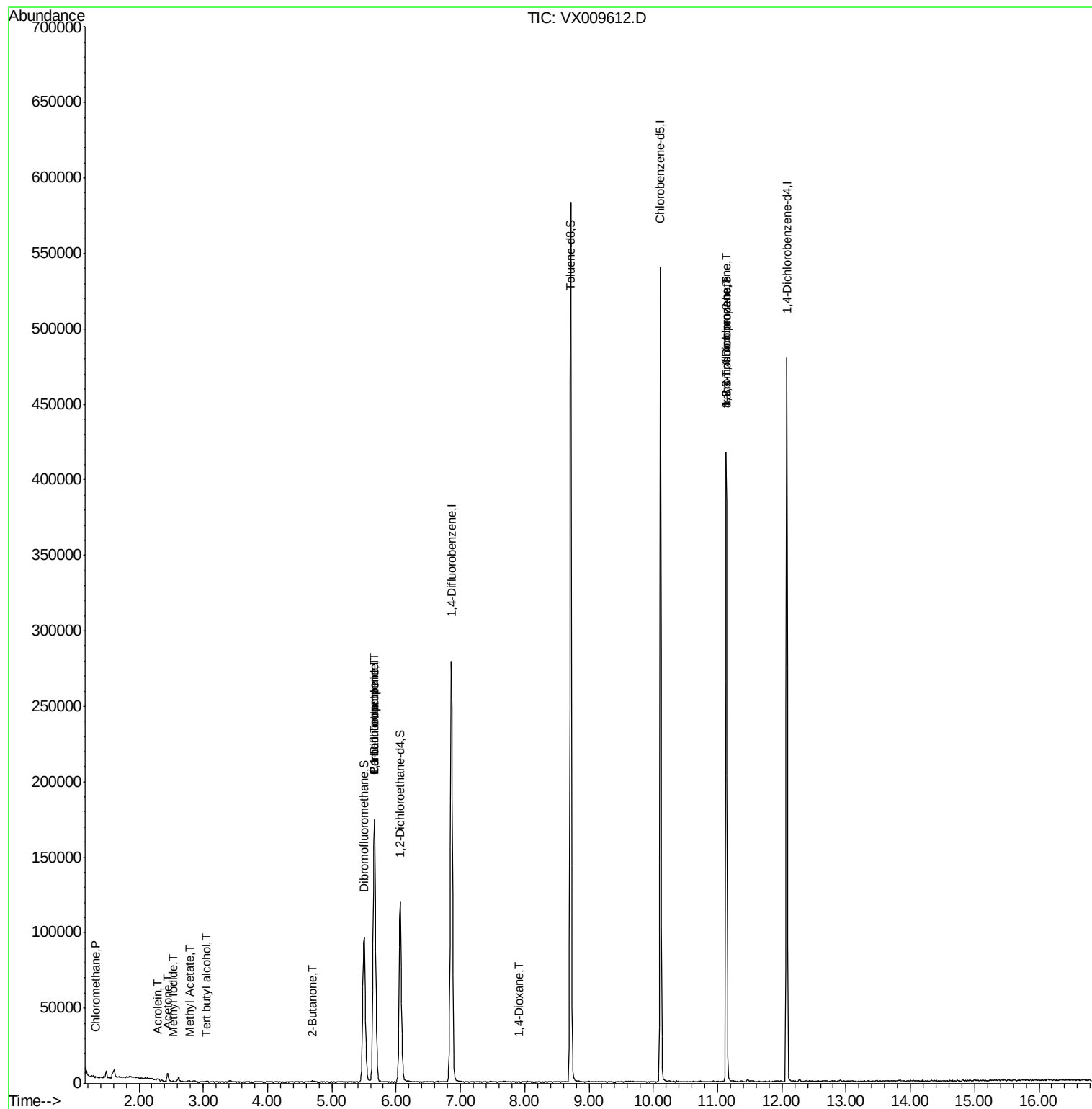
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98459	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	112814	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
35) Dibromofluoromethane	5.50	113	82674	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	334822	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	110024	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	529	0.247	ug/l	99
10) Methyl Iodide	2.52	142	42	4.614	ug/l #	86
11) Tert butyl alcohol	3.04	59	161	0.299	ug/l	96
13) Acrolein	2.29	56	455	0.933	ug/l	89
16) Acetone	2.45	43	5935	4.749	ug/l	99
18) Methyl Acetate	2.78	43	1576	0.530	ug/l	96
25) 2-Butanone	4.70	43	1700	0.875	ug/l #	84
28) Bromochloromethane	5.02	49	27	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	13017	5.193	ug/l #	50
38) Carbon Tetrachloride	5.66	117	15488	6.800	ug/l #	15
49) 1,4-Dioxane	7.90	88	25	0.445	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	55980	24.511	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55980	62.714	ug/l #	10

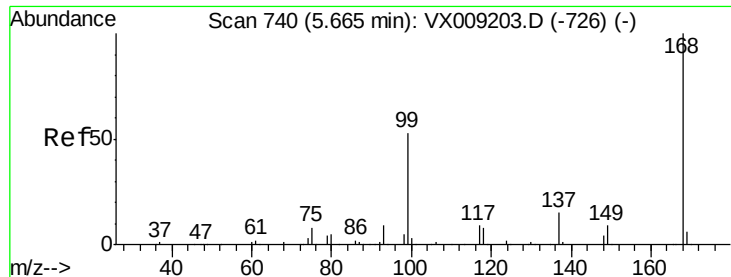
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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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: VX009612.D

Acq: 16 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

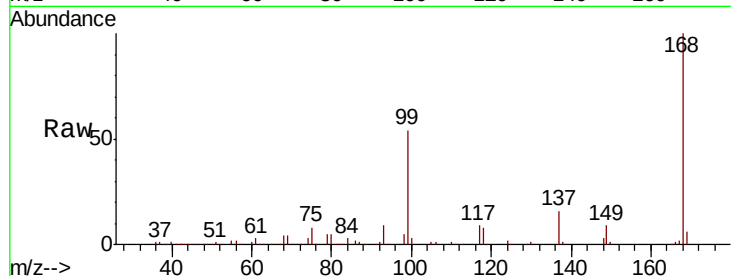
TWP-SB-07

Tot Ion:168 Resp: 170487

Ion Ratio Lower Upper

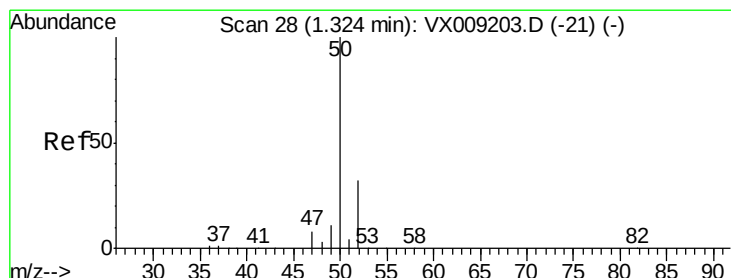
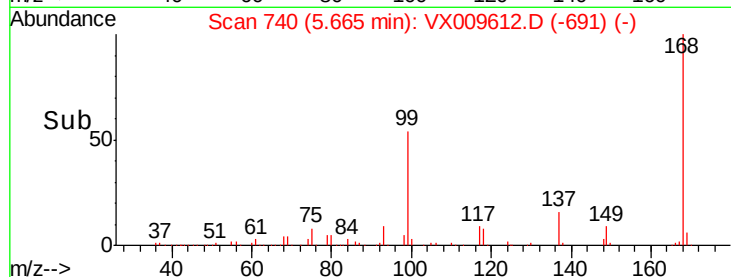
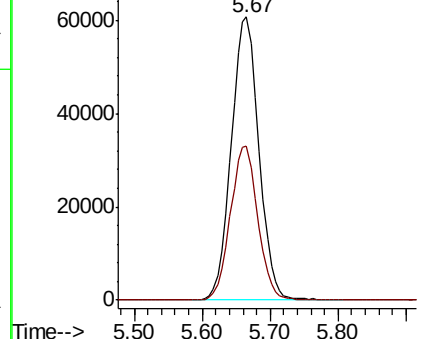
168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009612.D

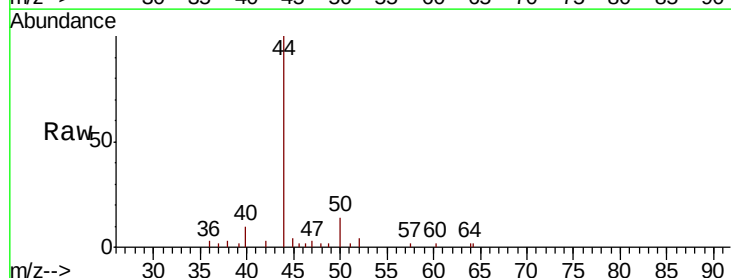
Acq: 16 May 2019 17:08

Tgt Ion: 50 Resp: 529

Ion Ratio Lower Upper

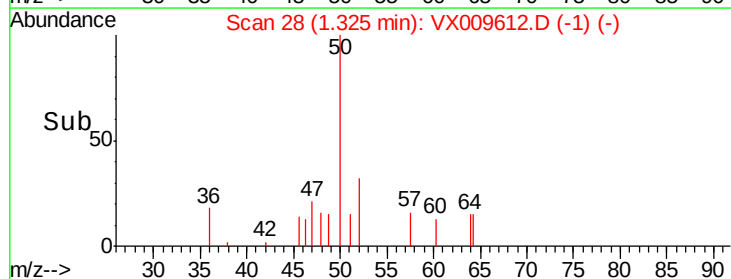
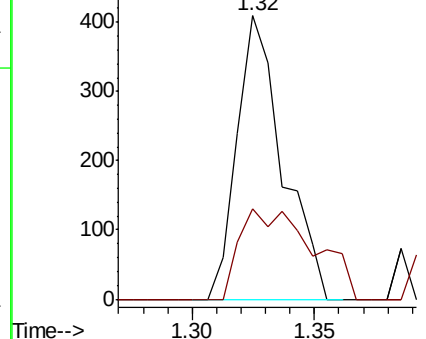
50 100

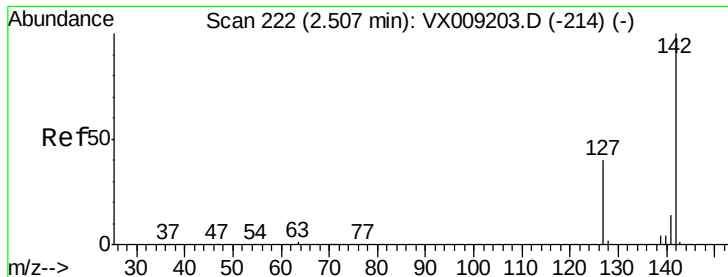
52 32.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

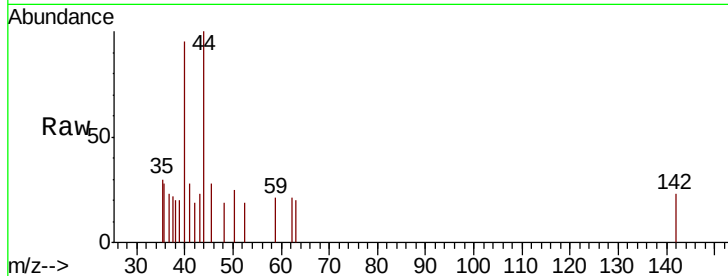




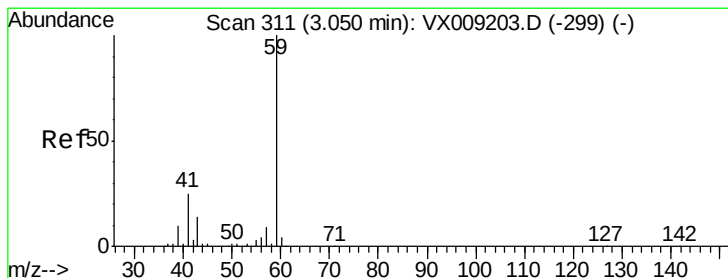
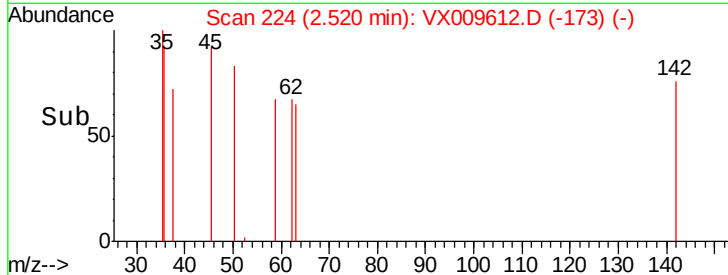
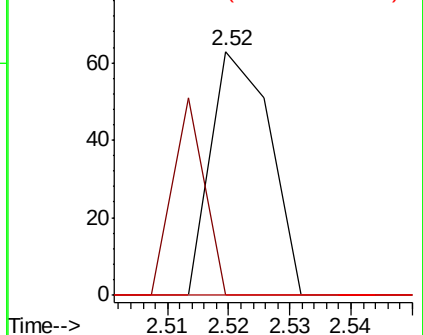
#10
Methvl Iodide
Concen: 4.614 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
TWP-SB-07

Tot Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 45.2 32.7 49.1
141 0.0 11.5 17.3#

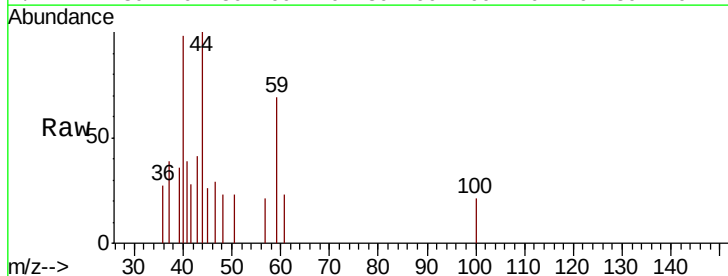


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

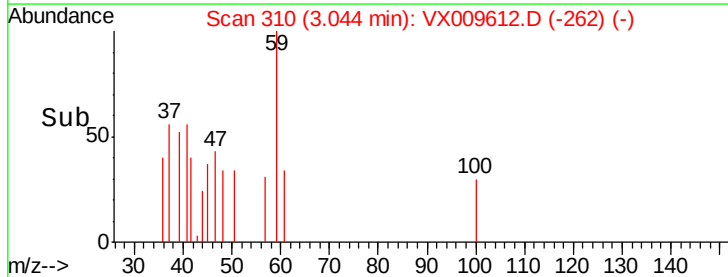
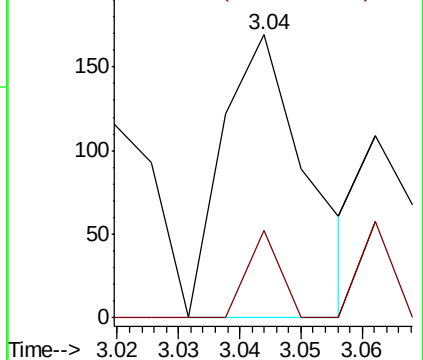


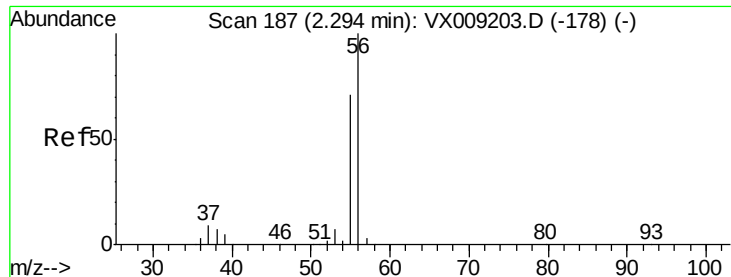
#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 11.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.933 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009612.D

Acq: 16 May 2019 17:08

Instrument :

MSVOA_X

ClientSampled :

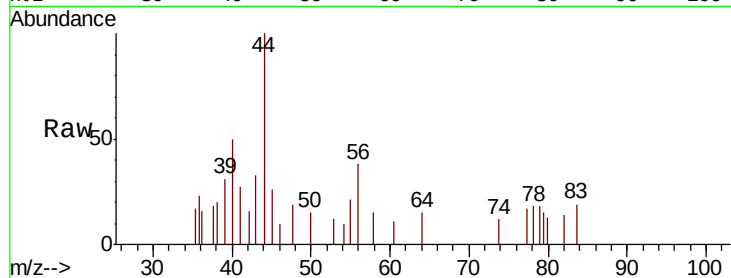
TWP-SB-07

Tot Ion: 56 Resp: 455

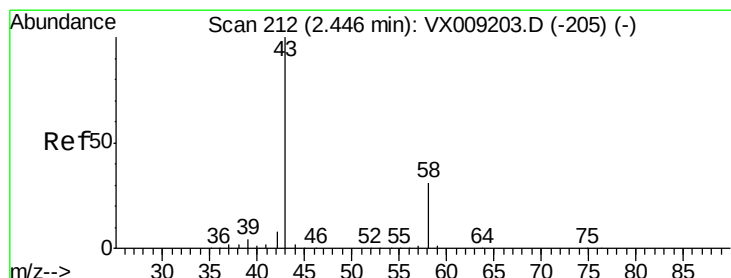
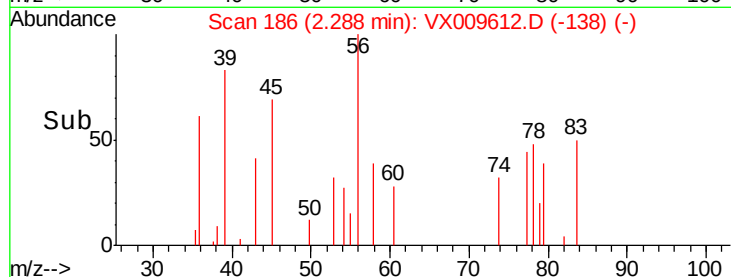
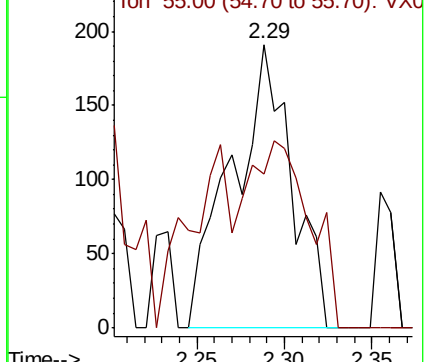
Ion Ratio Lower Upper

56 100

55 62.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 4.749 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009612.D

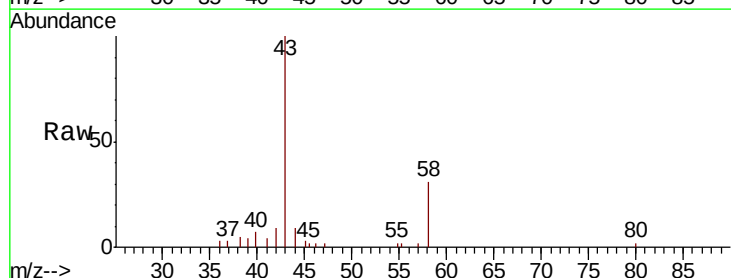
Acq: 16 May 2019 17:08

Tgt Ion: 43 Resp: 5935

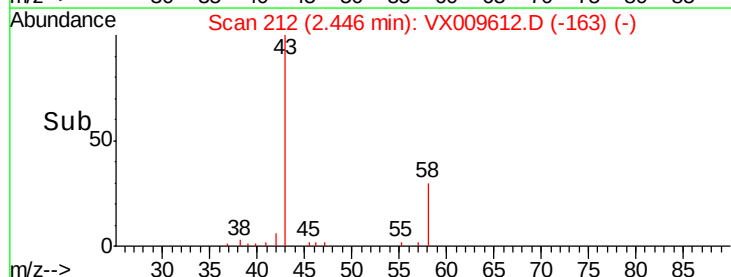
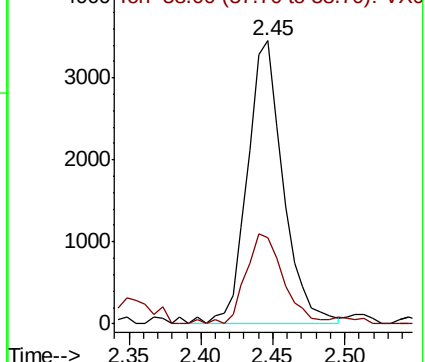
Ion Ratio Lower Upper

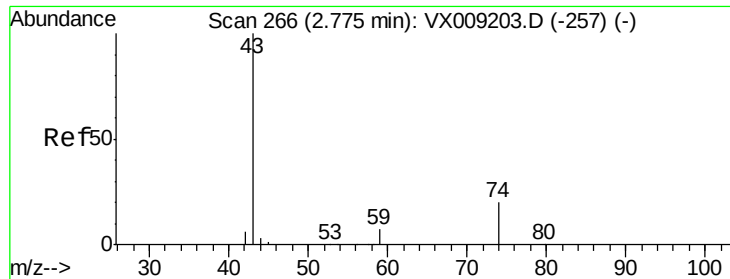
43 100

58 30.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

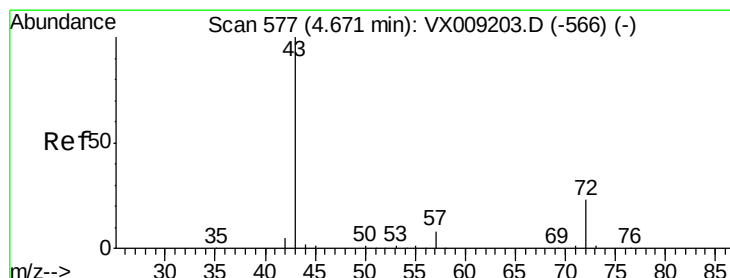
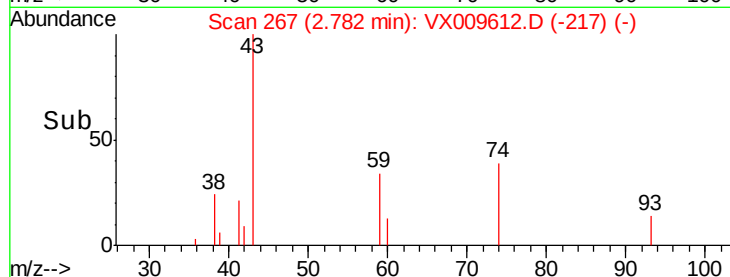
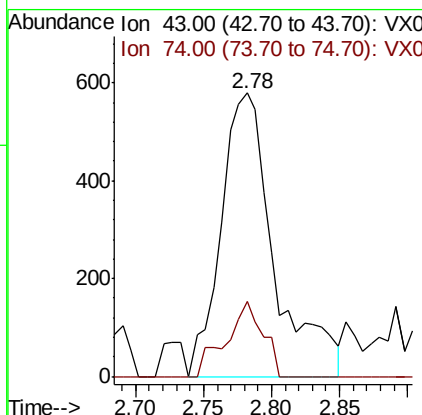
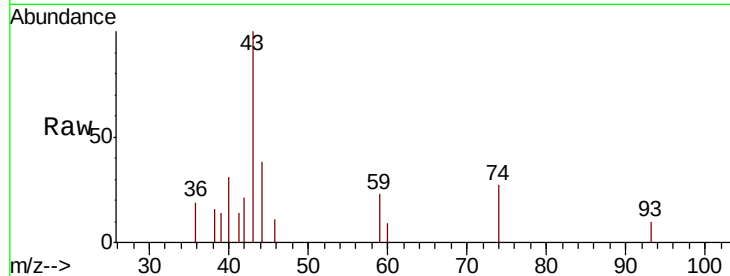




#18
Methvl Acetate
Concen: 0.530 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

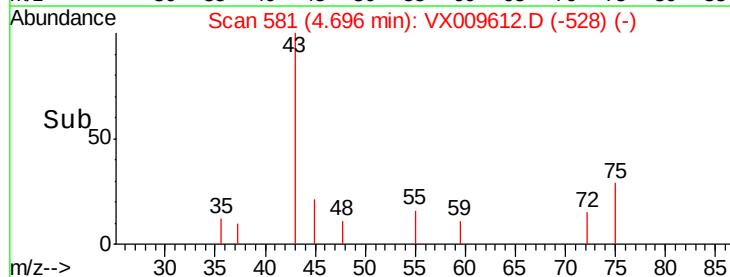
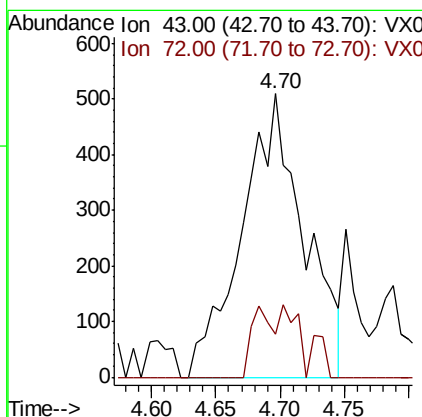
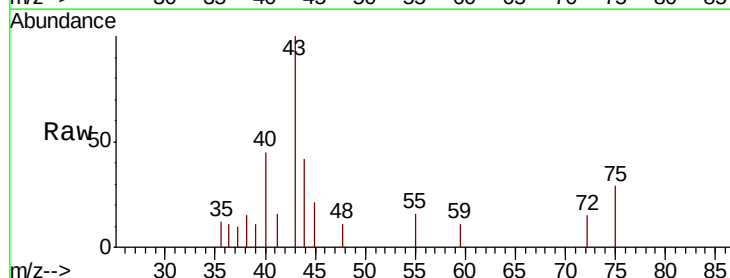
Instrument :
MSVOA_X
ClientSampled :
TWP-SB-07

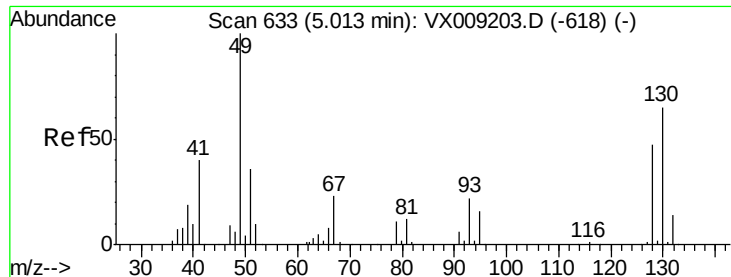
Tot Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
74 18.3 16.2 24.4



#25
2-Butanone
Concen: 0.875 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
72 15.1 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009612.D

Acq: 16 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

TWP-SB-07

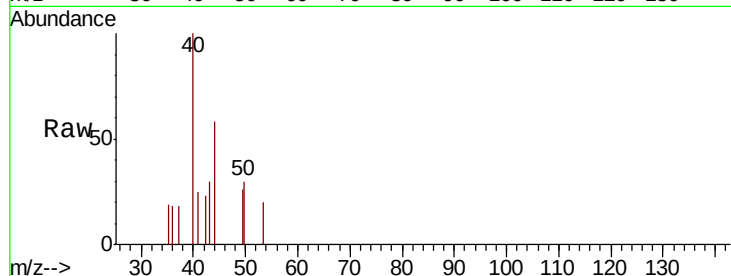
Tot Ion: 49 Resp: 27

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

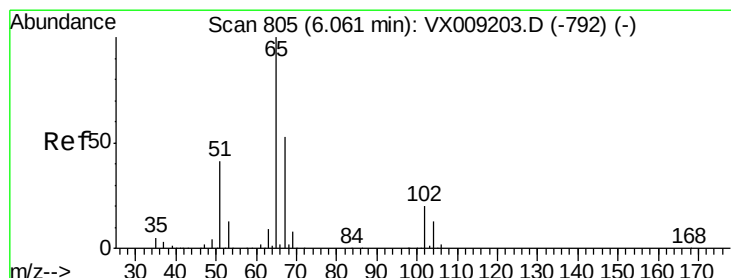
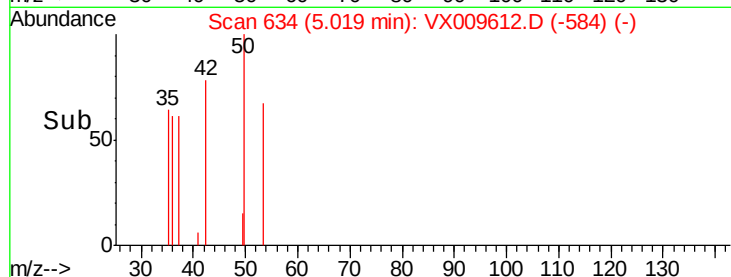
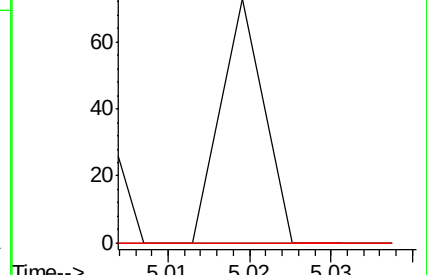
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 48.473 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009612.D

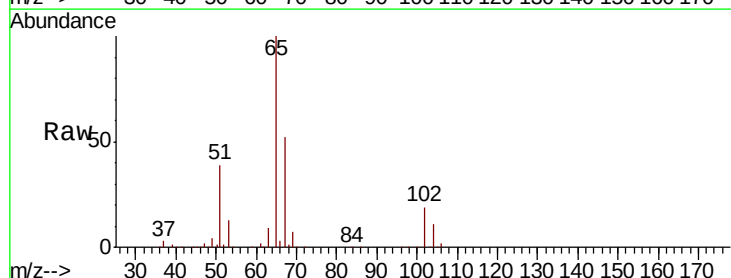
Acq: 16 May 2019 17:08

Tgt Ion: 65 Resp: 112814

Ion Ratio Lower Upper

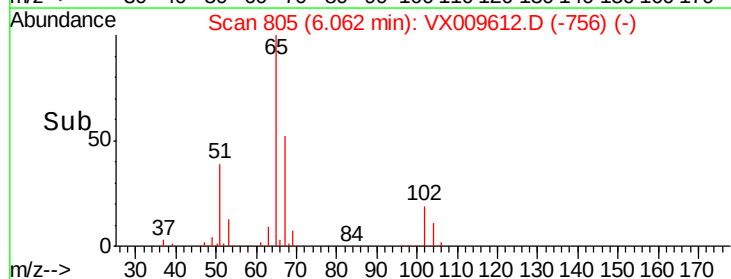
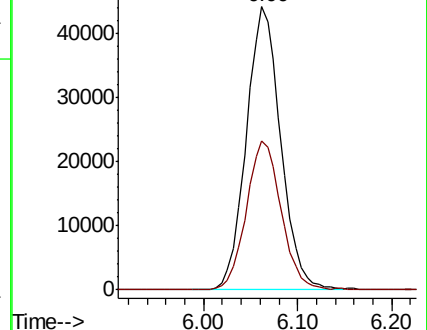
65 100

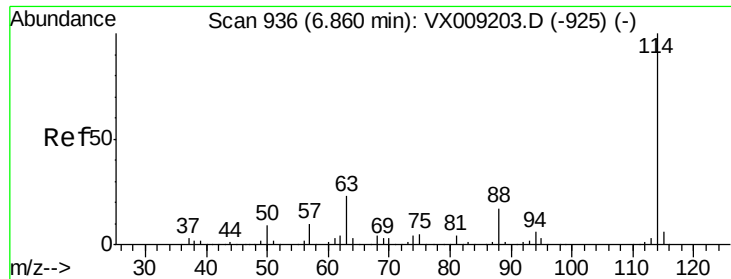
67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

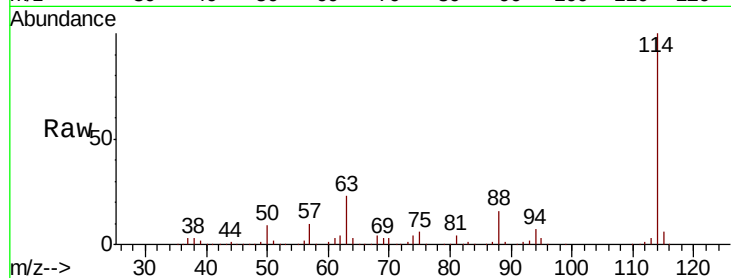




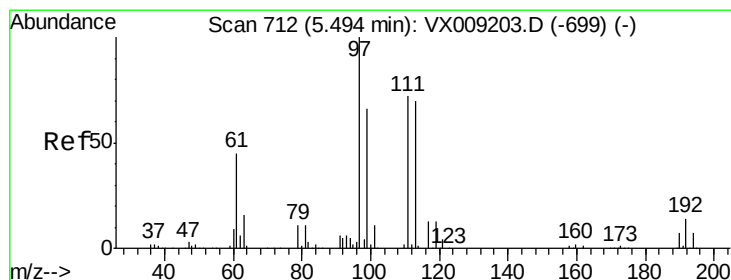
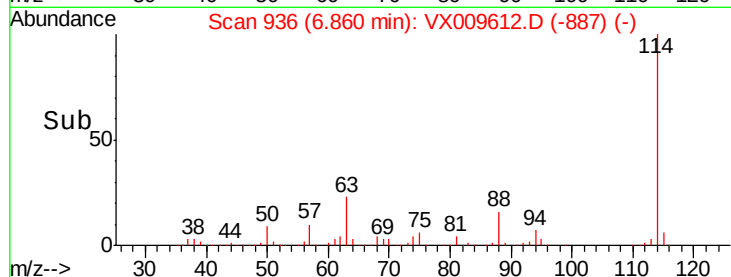
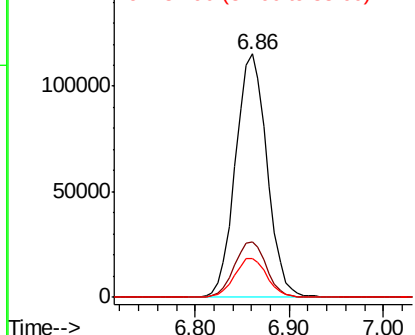
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009612.D
 Acq: 16 May 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-SB-07

Tot Ion:114 Resp: 269752
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 15.8 0.0 33.2

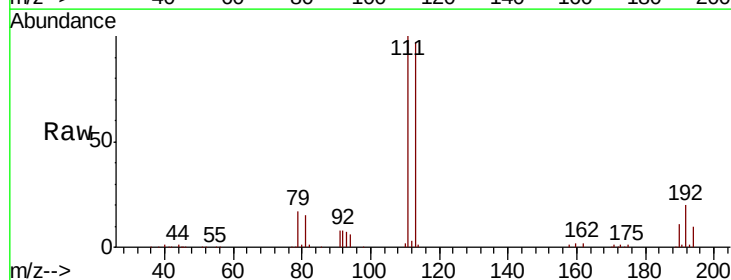


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

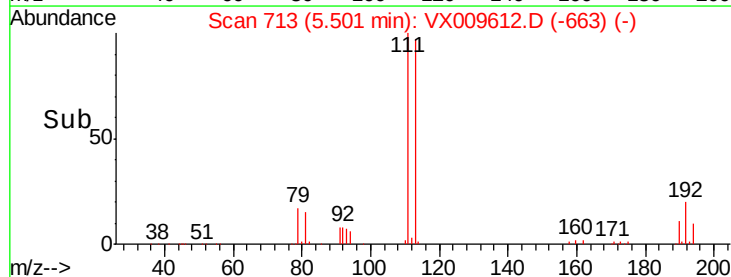
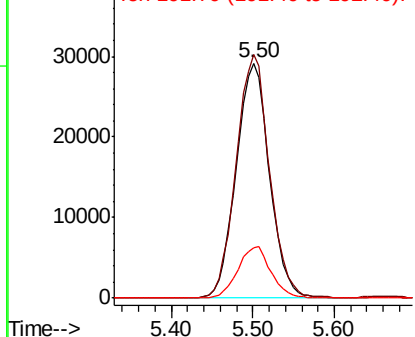


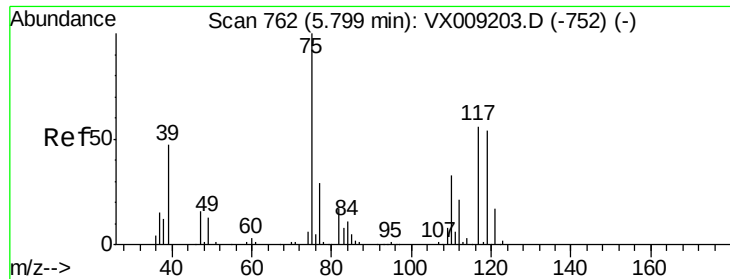
#35
 Dibromofluoromethane
 Concen: 48.753 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009612.D
 Acq: 16 May 2019 17:08

Tgt Ion:113 Resp: 82674
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.8 124.2
 192 21.7 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

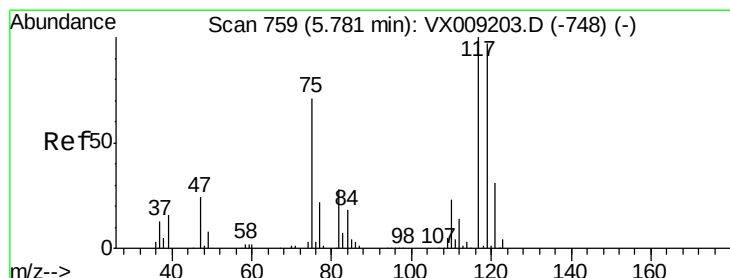
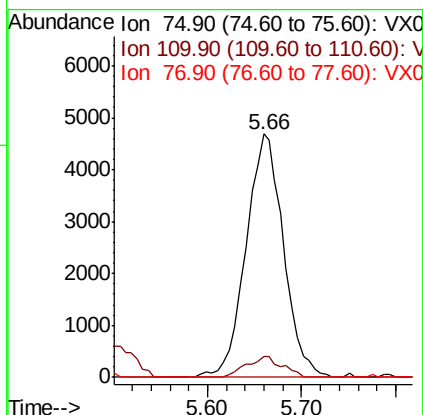
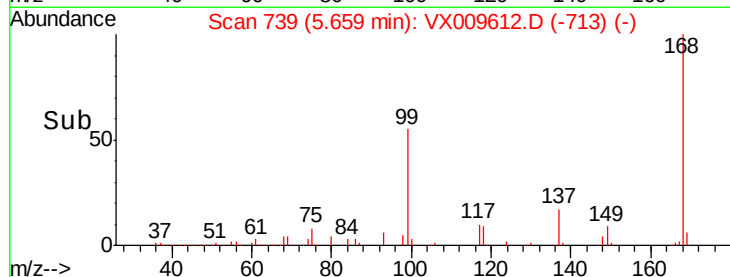
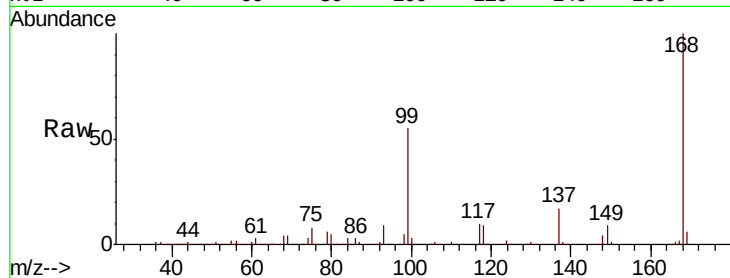




#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009612.D
 Acq: 16 May 2019 17:08

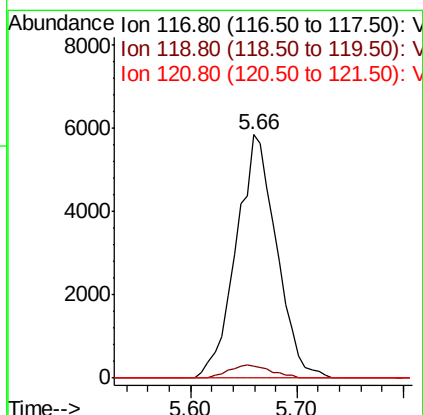
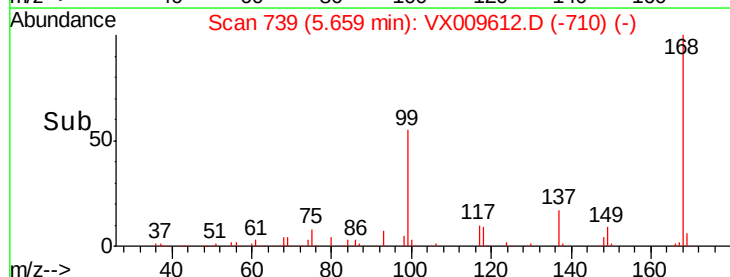
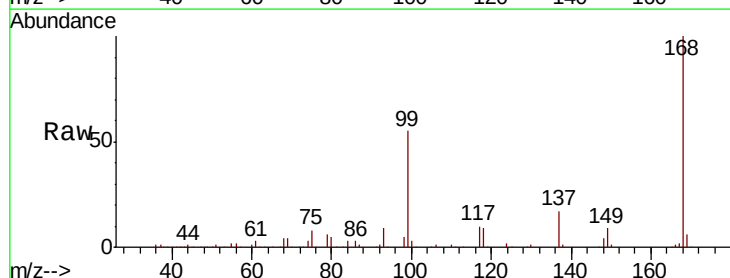
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 MSVOA_X
 ClientSampleId :
 TWP-SB-07

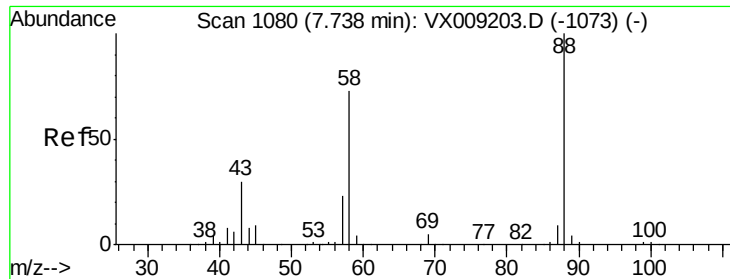
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.800 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009612.D
 Acq: 16 May 2019 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.5	116.3#
121	0.0	24.7	37.1#

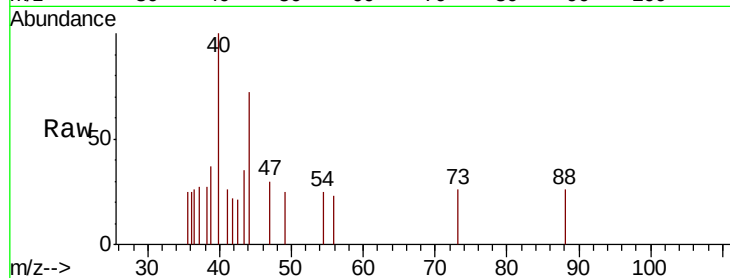




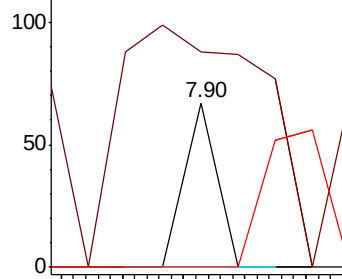
#49
1,4-Dioxane
Concen: 0.445 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.16 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
TWP-SB-07

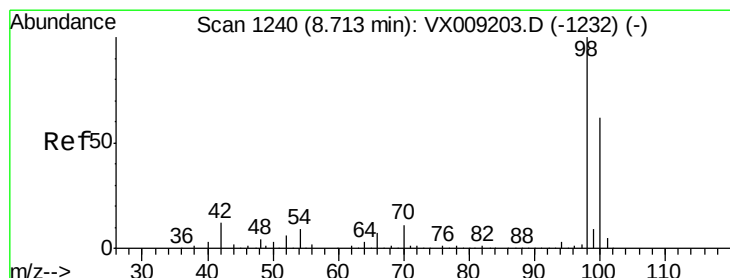
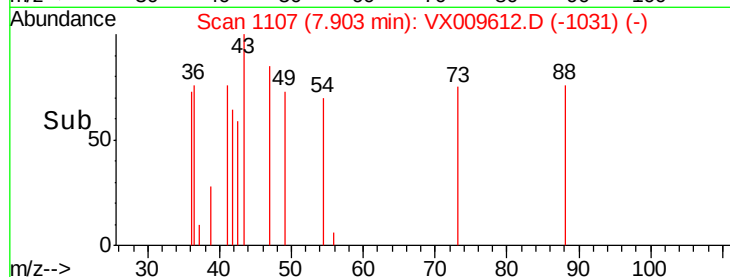
Tot Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 744.0 28.6 42.8#
58 0.0 61.7 92.5#



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

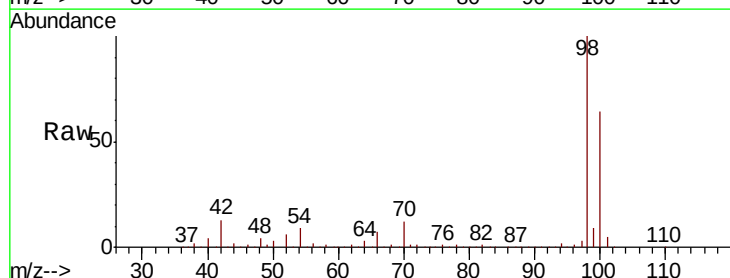


Time--> 7.88 7.89 7.90 7.91 7.92

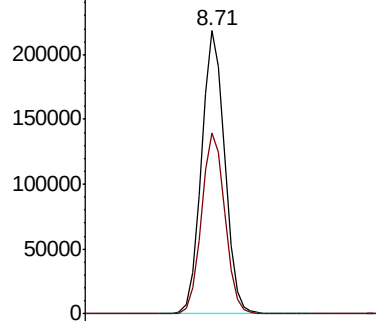


#50
Toluene-d8
Concen: 48.906 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

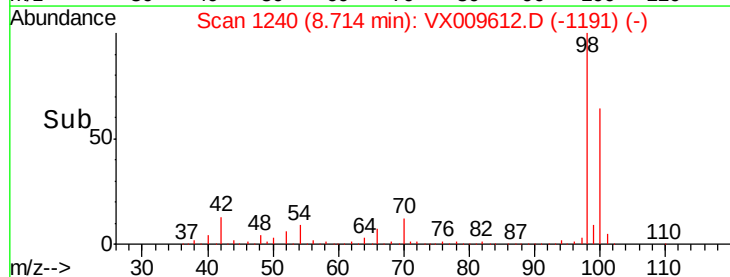
Tgt Ion: 98 Resp: 334822
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

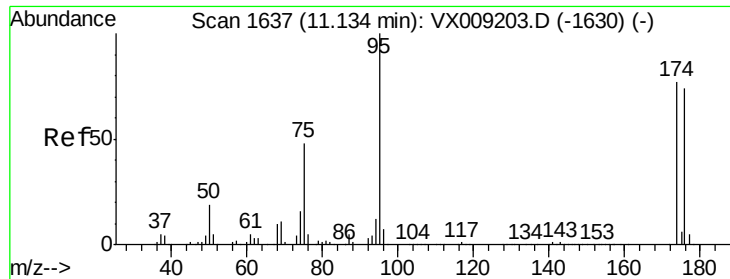


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 44.228 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009612.D

Acq: 16 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

TWP-SB-07

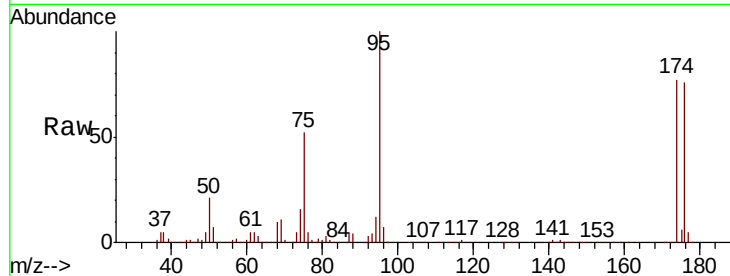
Tot Ion: 95 Resp: 110024

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

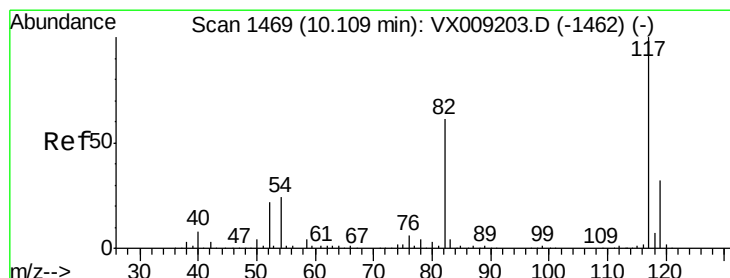
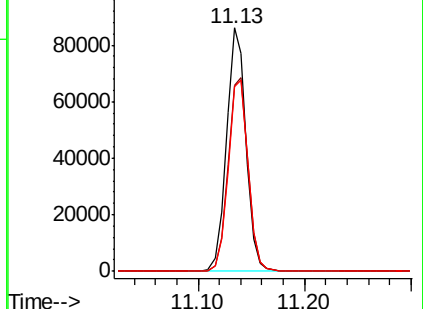
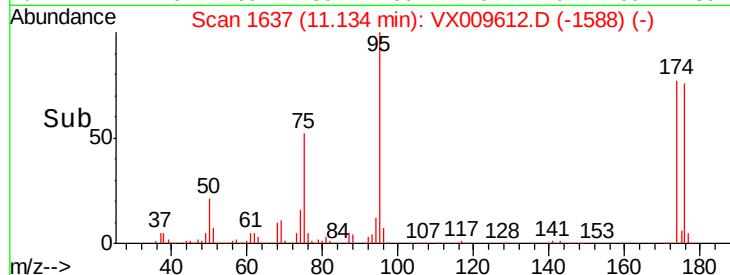
176 80.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009612.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009612.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009612.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009612.D

Acq: 16 May 2019 17:08

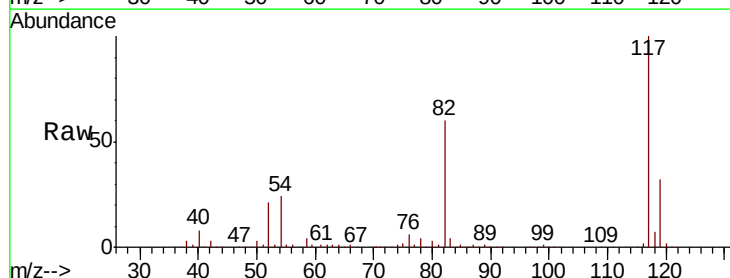
Tgt Ion: 117 Resp: 236518

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

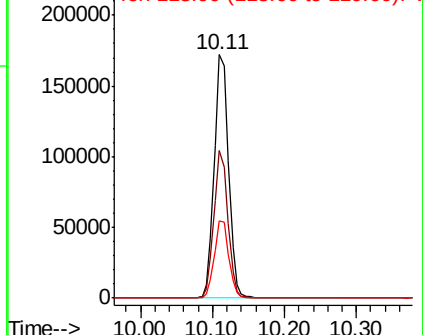
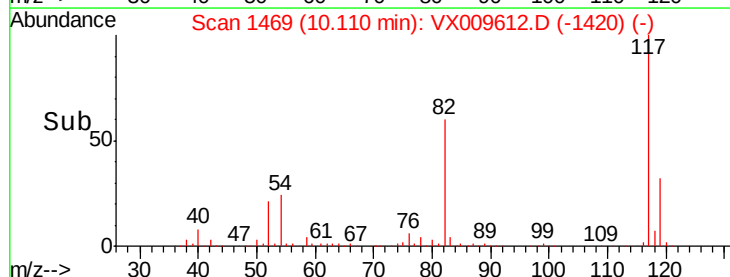
119 31.9 25.8 38.6

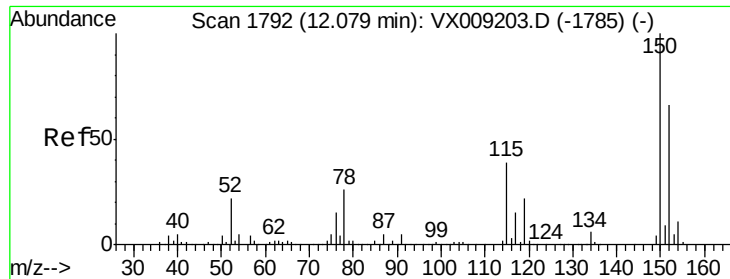


Abundance Ion 116.90 (116.60 to 117.60): VX009612.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009612.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009612.D (-1420) (-)



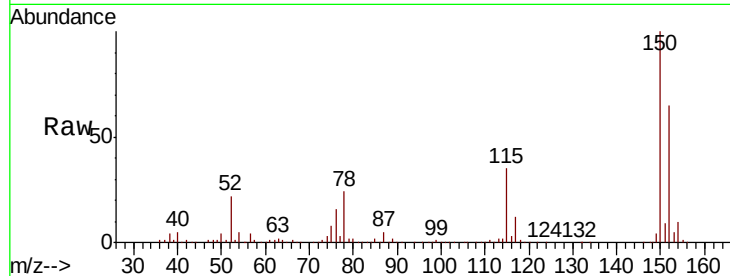


#72

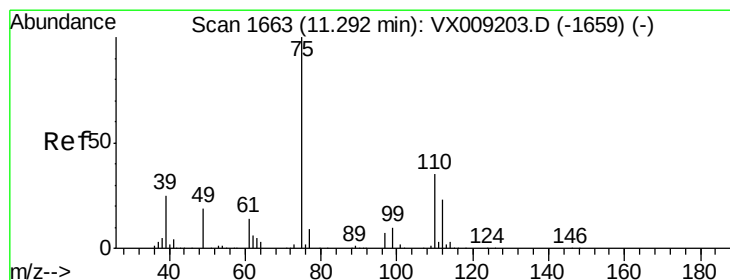
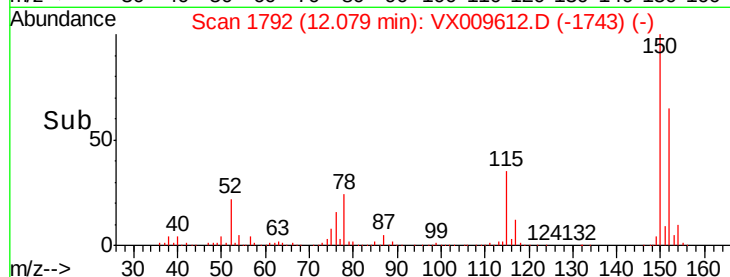
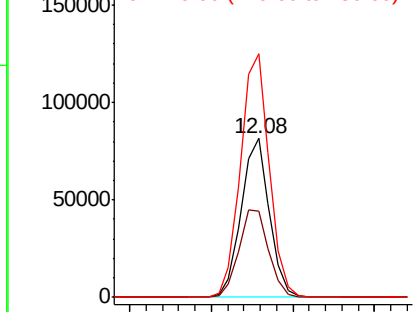
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
TWP-SB-07

Tot Ion:152 Resp: 98459
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 155.9 0.0 346.4



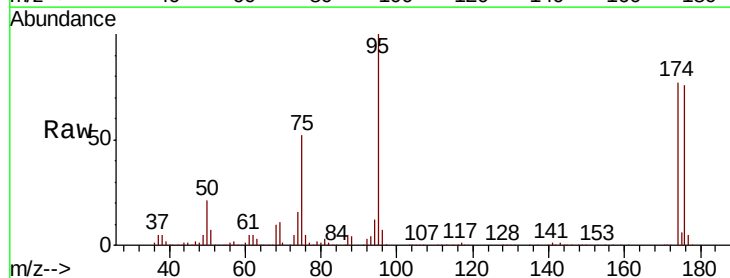
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



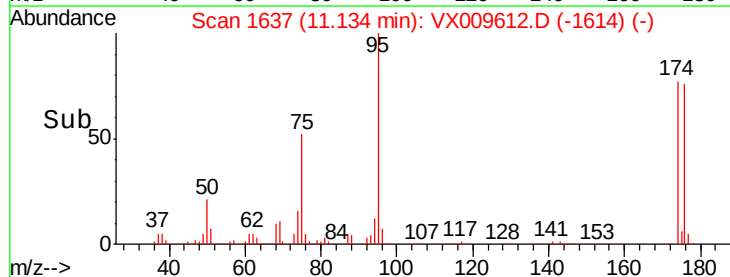
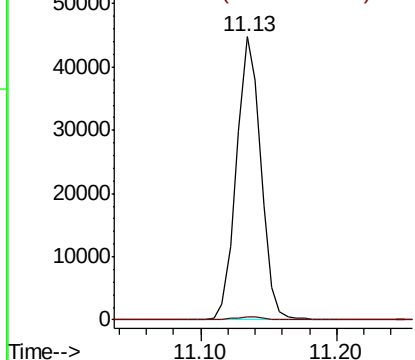
#76

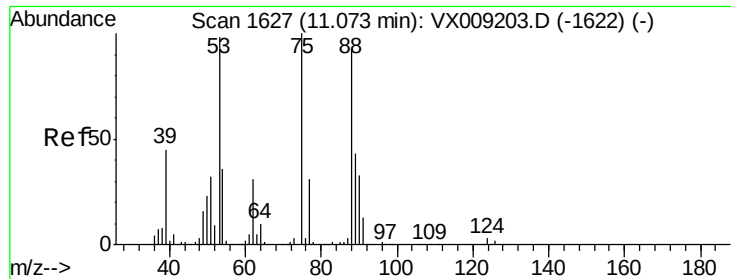
1,2,3-Trichloropropane
Concen: 24.511 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009612.D
Acq: 16 May 2019 17:08

Tgt Ion: 75 Resp: 55980
Ion Ratio Lower Upper
75 100
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.714 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009612.D

Acq: 16 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

TWP-SB-07

Tot Ion: 75 Resp: 55980

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

