

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009433.D
 Acq On : 09 May 2019 17:21
 Operator : JC/SP
 Sample : K2786-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:08:16 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

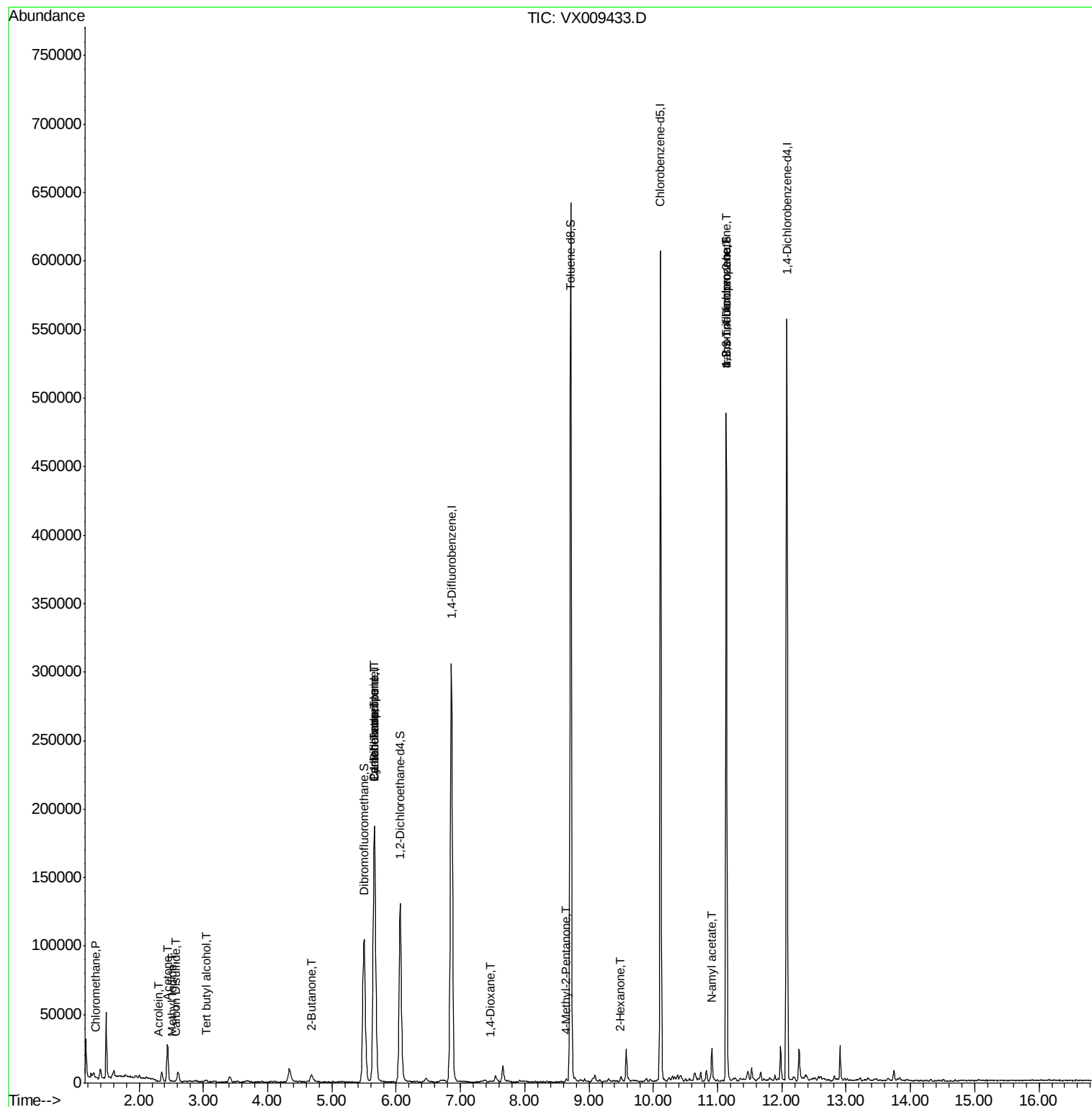
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	184656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117188	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	120628	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	5.50	113	90033	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	8.71	98	372739	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	125595	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	529	0.228	ug/l #	80
10) Methyl Iodide	2.52	142	346	4.750	ug/l #	80
11) Tert butyl alcohol	3.04	59	1500	2.571	ug/l #	94
13) Acrolein	2.30	56	661	1.251	ug/l	98
16) Acetone	2.44	43	29462	21.766	ug/l	100
17) Carbon Disulfide	2.57	76	1190	0.245	ug/l	99
25) 2-Butanone	4.68	43	8693	4.133	ug/l	97
28) Bromochloromethane	5.02	49	60	Below Cal	#	20
31) Cyclohexane	5.66	56	4222	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14122	5.116	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17415	6.944	ug/l #	15
49) 1,4-Dioxane	7.46	88	20	0.323	ug/l #	20
51) 4-Methyl-2-Pentanone	8.64	43	1242	0.309	ug/l #	86
59) 2-Hexanone	9.49	43	2504	0.793	ug/l	100
74) N-amyl acetate	10.91	43	3422	0.689	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64635	23.777	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64635	60.838	ug/l #	10

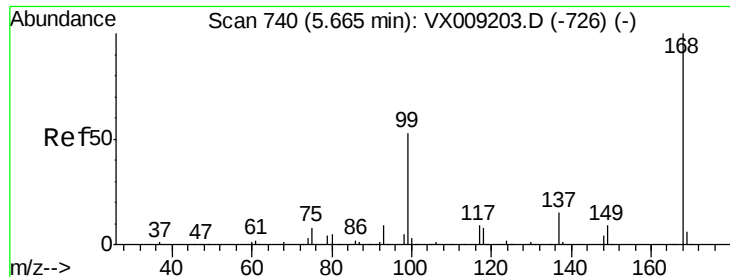
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 10 07:08:16 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: VX009433.D

Acq: 09 May 2019 17:21

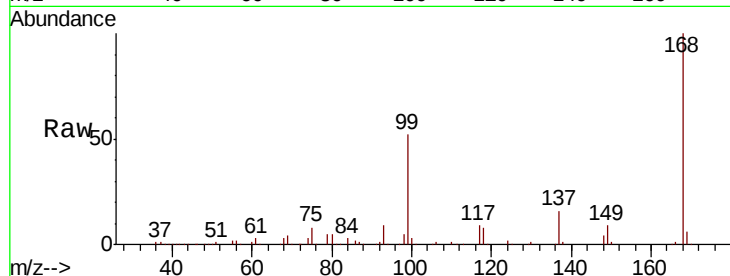
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 184656

Ion Ratio Lower Upper

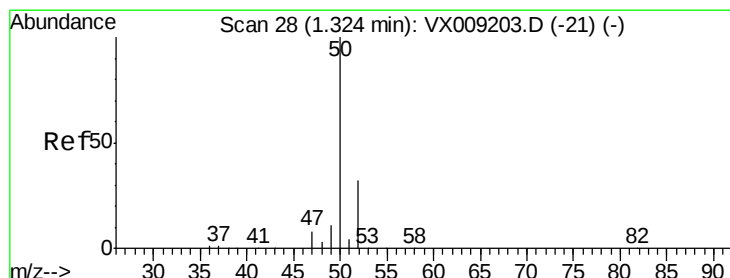
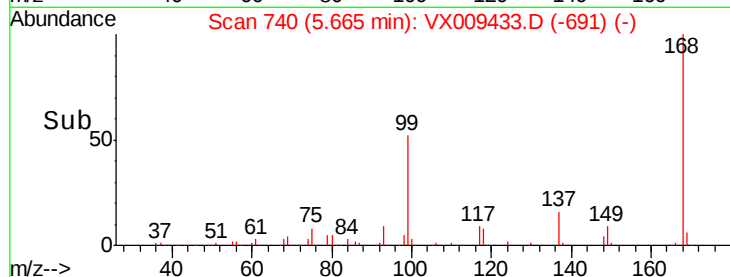
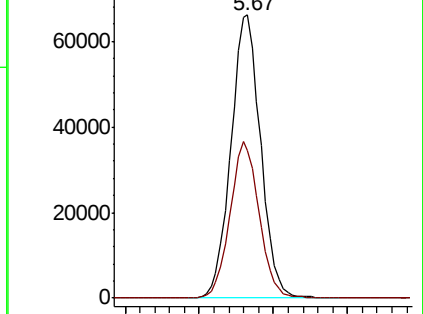
168 100

99 52.2 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: 0.228 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009433.D

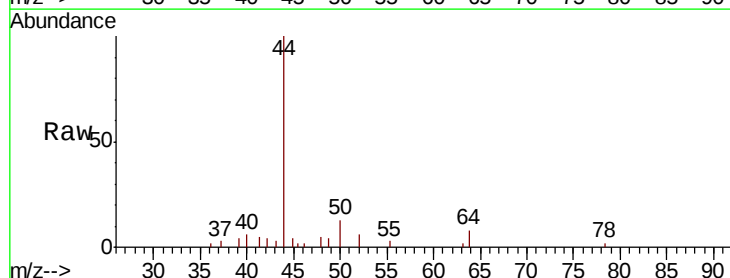
Acq: 09 May 2019 17:21

Tgt Ion: 50 Resp: 529

Ion Ratio Lower Upper

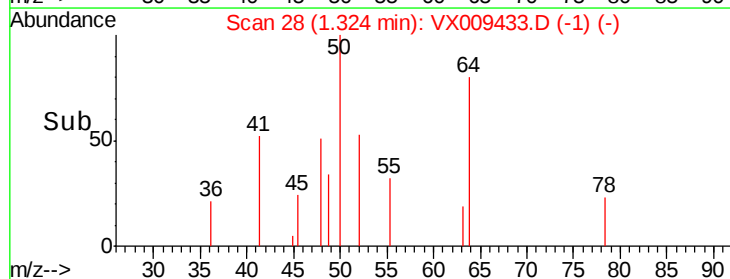
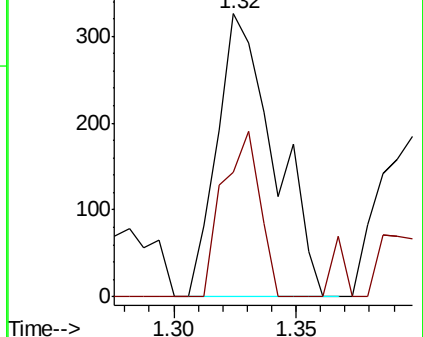
50 100

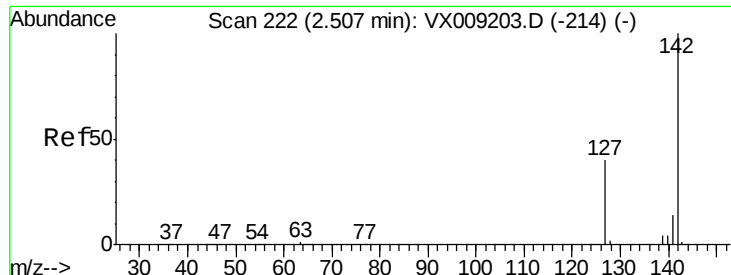
52 43.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

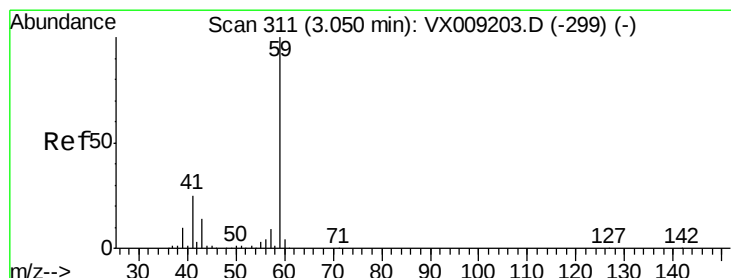
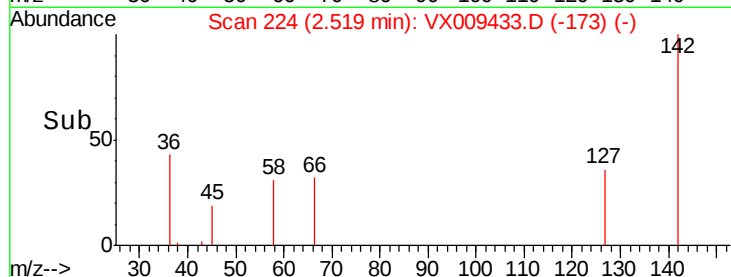
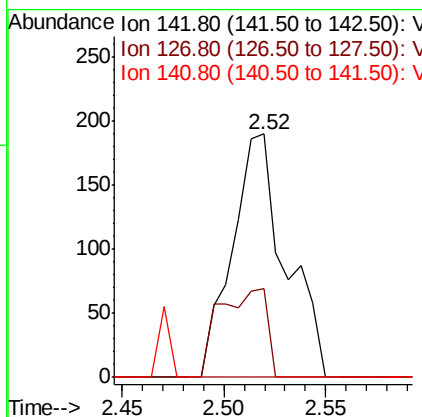
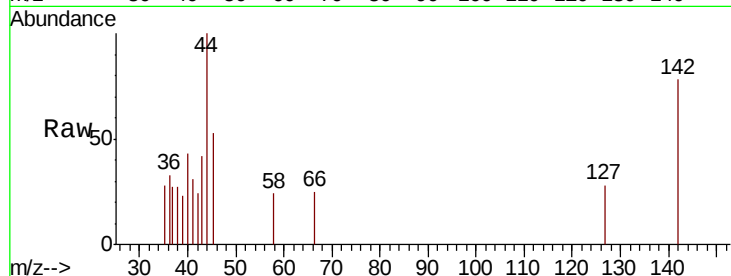




#10
Methvl Iodide
Concen: 4.750 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009433.D
Acq: 09 May 2019 17:21

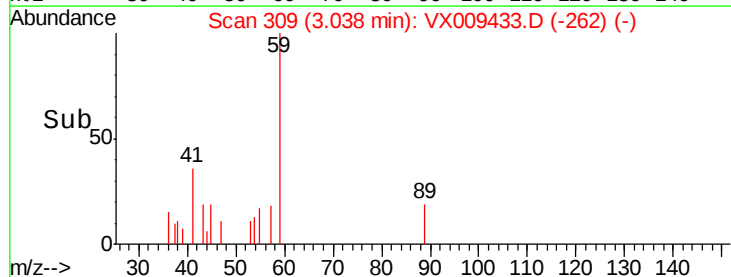
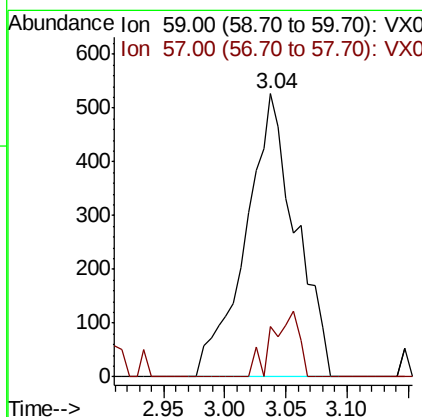
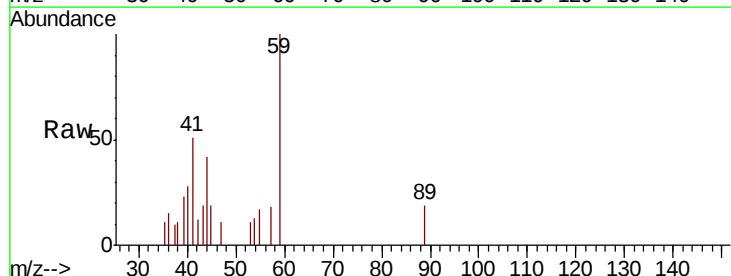
Instrument :
MSVOA_X
ClientSampled :

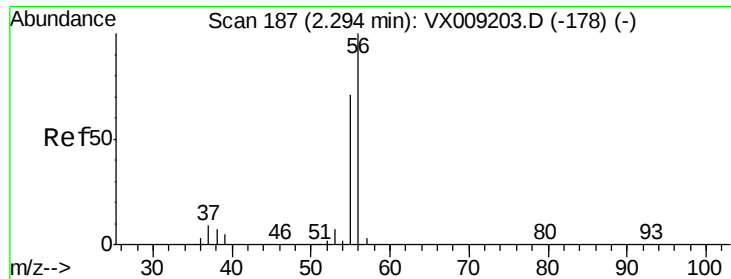
Tot Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 32.1 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.571 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009433.D
Acq: 09 May 2019 17:21

Tgt Ion: 59 Resp: 1500
Ion Ratio Lower Upper
59 100
57 12.4 8.2 12.2#





#13

Acrolein

Concen: 1.251 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

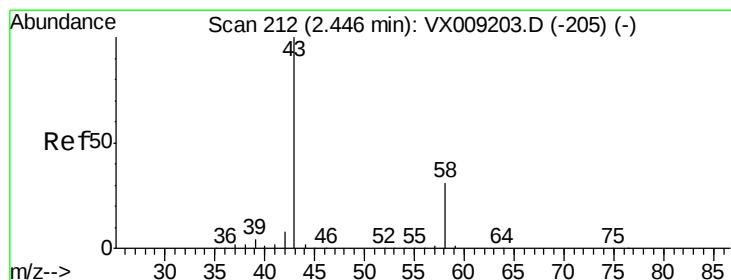
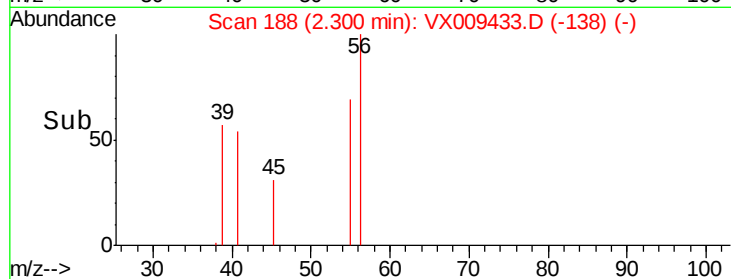
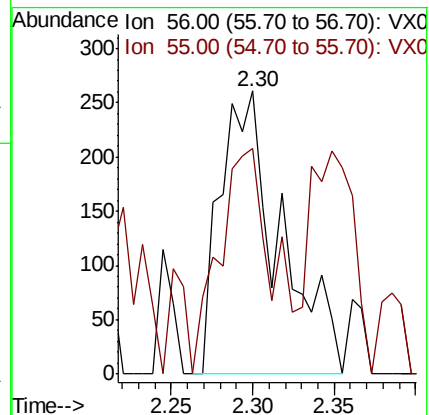
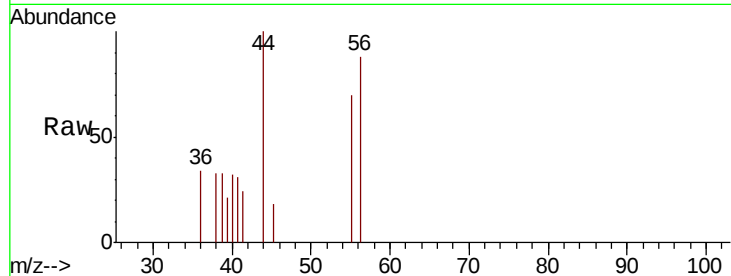
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 661

Ion Ratio Lower Upper

56 100

55 69.4 56.6 85.0



#16

Acetone

Concen: 21.766 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009433.D

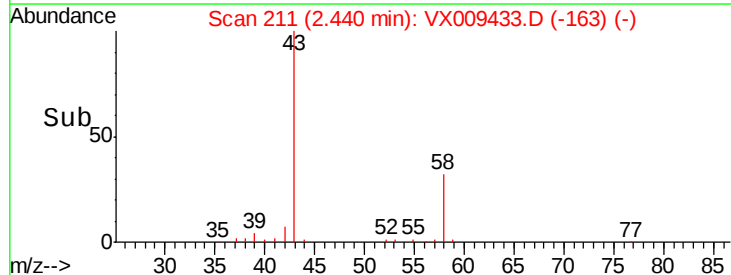
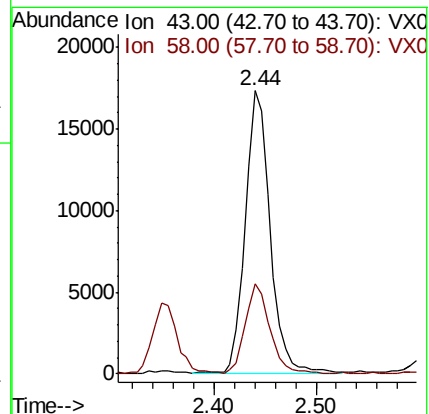
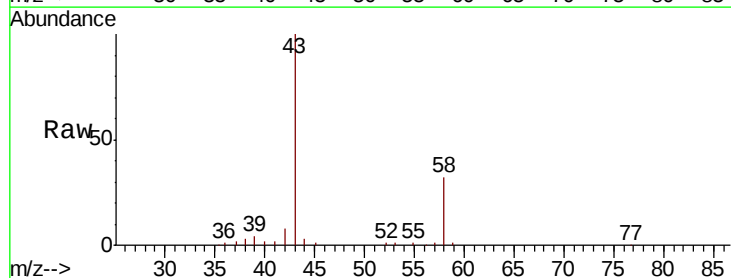
Acq: 09 May 2019 17:21

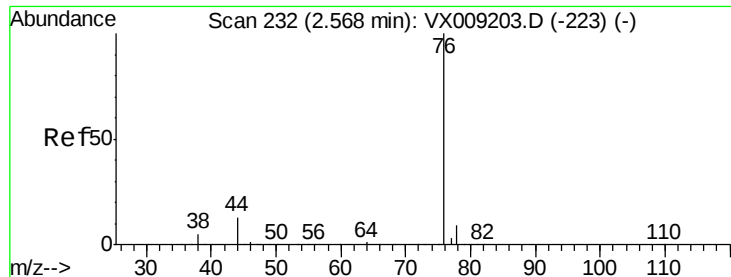
Tgt Ion: 43 Resp: 29462

Ion Ratio Lower Upper

43 100

58 31.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

Instrument :

MSVOA_X

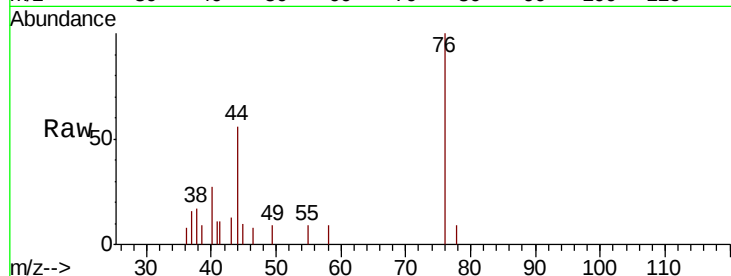
ClientSampleId :

Tot Ion: 76 Resp: 1190

Ion Ratio Lower Upper

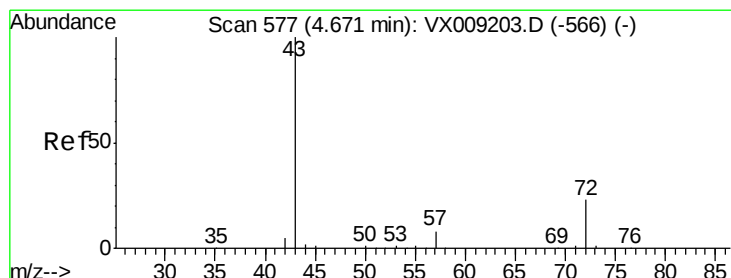
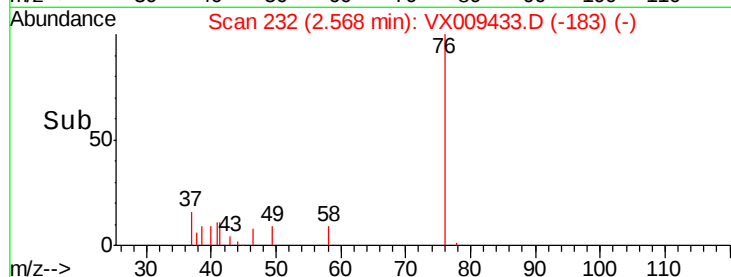
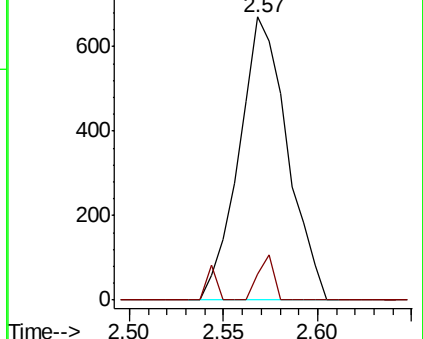
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 4.133 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009433.D

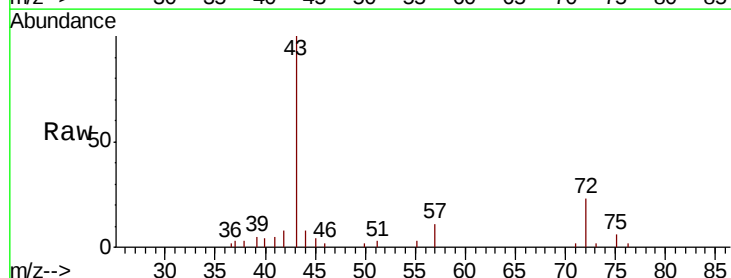
Acq: 09 May 2019 17:21

Tgt Ion: 43 Resp: 8693

Ion Ratio Lower Upper

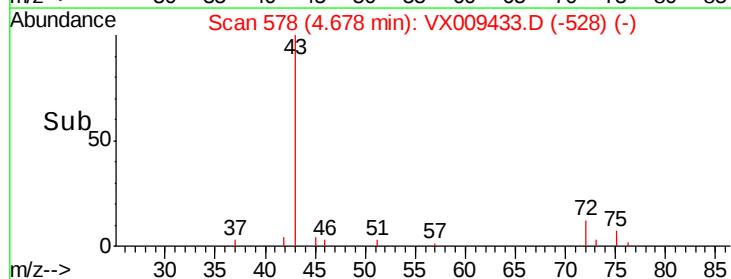
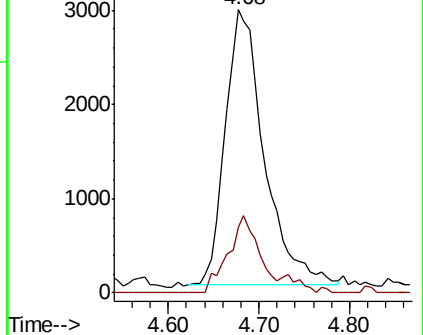
43 100

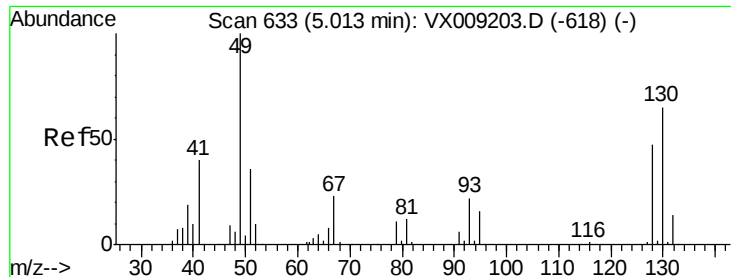
72 24.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

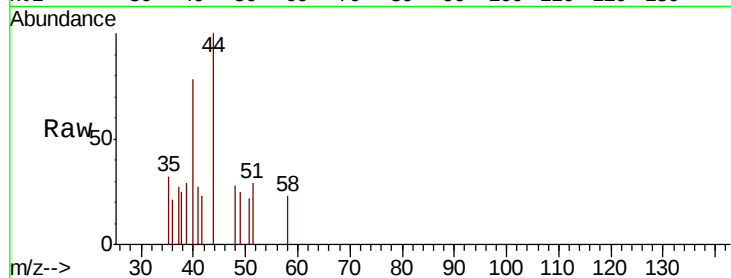
Delta R.T. 0.01 min

Lab File: VX009433.D

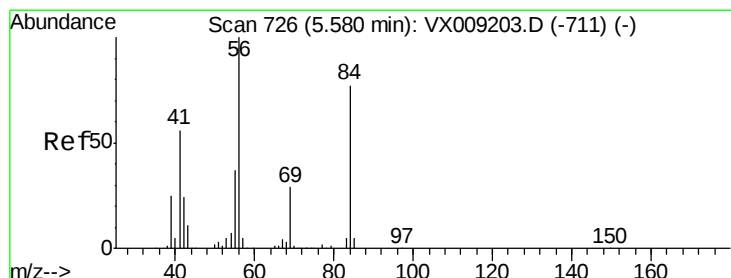
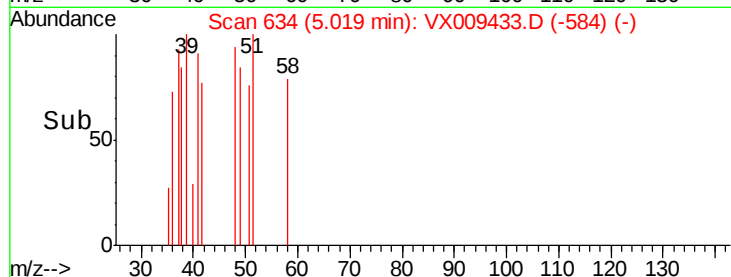
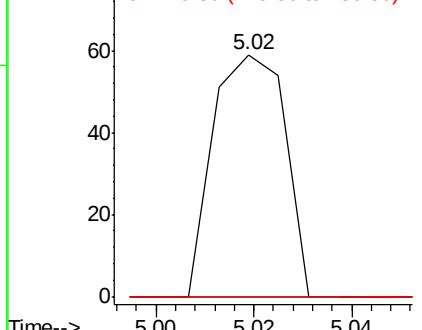
Acq: 09 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 60
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



#31

Cyclohexane

Concen: 1.133 ug/l

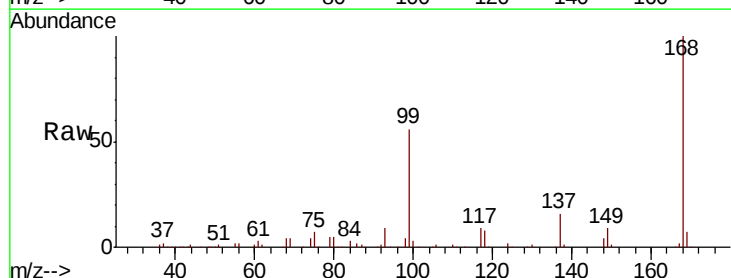
RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

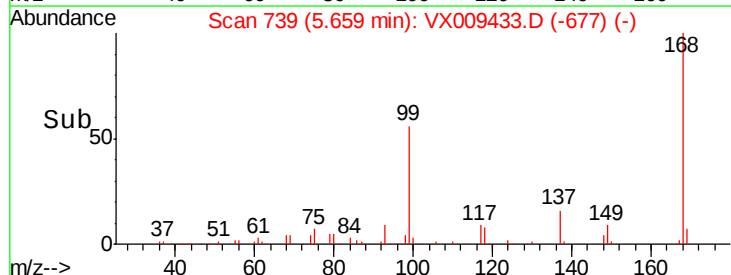
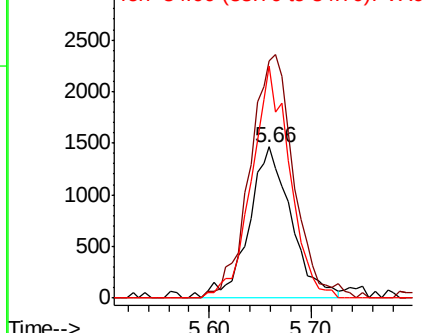
Lab File: VX009433.D

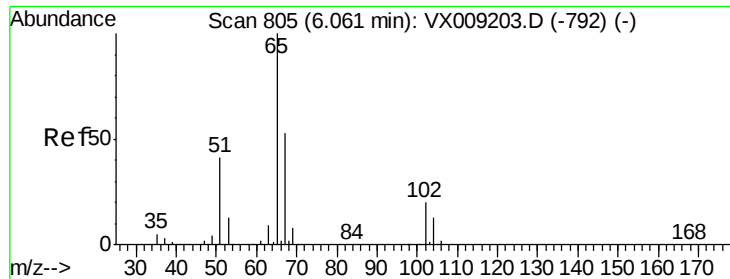
Acq: 09 May 2019 17:21

Tgt Ion: 56 Resp: 4222
Ion Ratio Lower Upper
56 100
69 156.9 23.4 35.0#
84 153.8 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

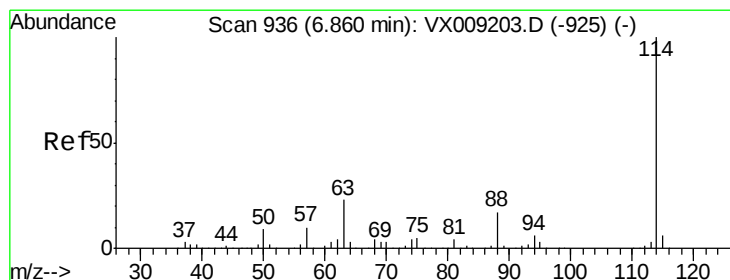
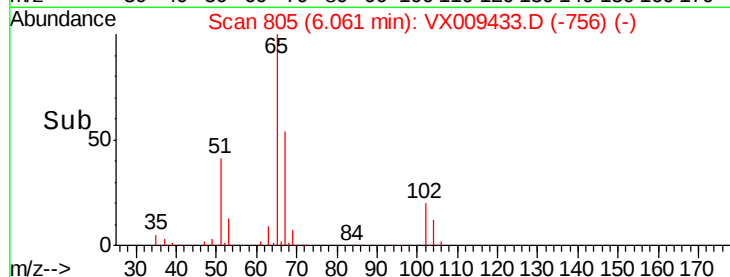
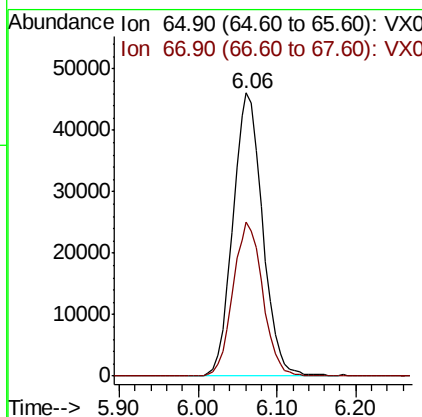
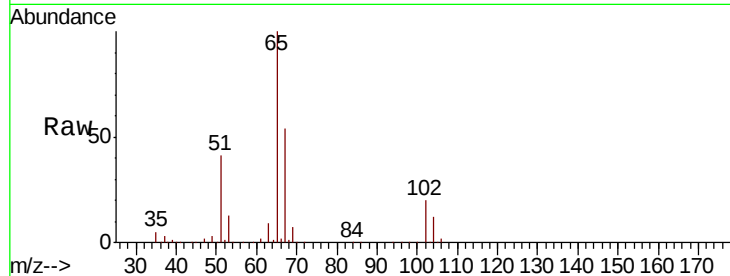




#33
 1,2-Dichloroethane-d4
 Concen: 47.854 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009433.D
 Acq: 09 May 2019 17:21

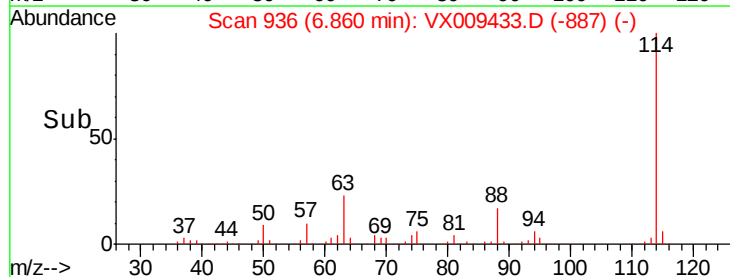
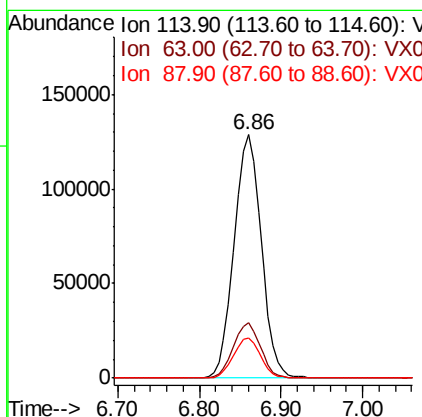
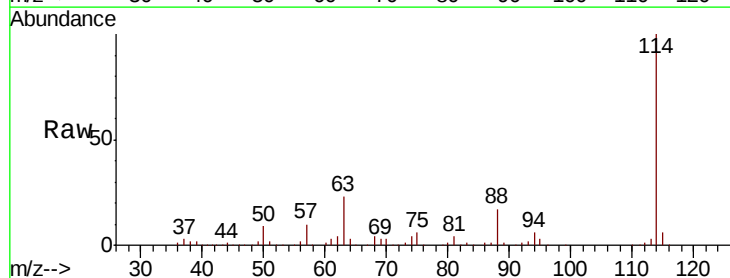
Instrument :
 MSVOA_X
 ClientSampled :

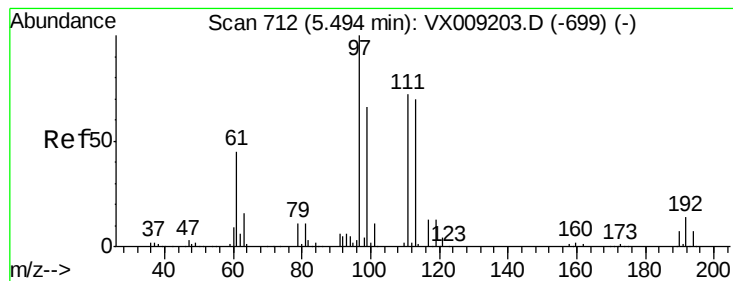
Tot Ion: 65 Resp: 120628
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009433.D
 Acq: 09 May 2019 17:21

Tgt Ion: 114 Resp: 297037
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.216 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

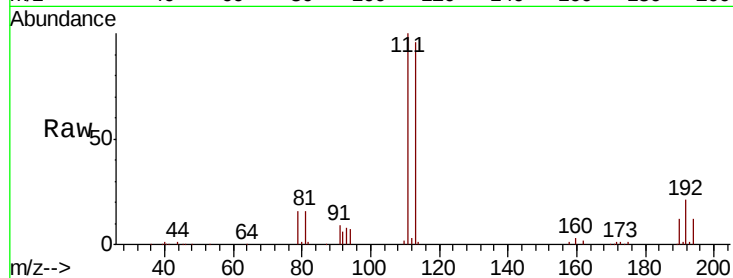
Tot Ion:113 Resp: 90033

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

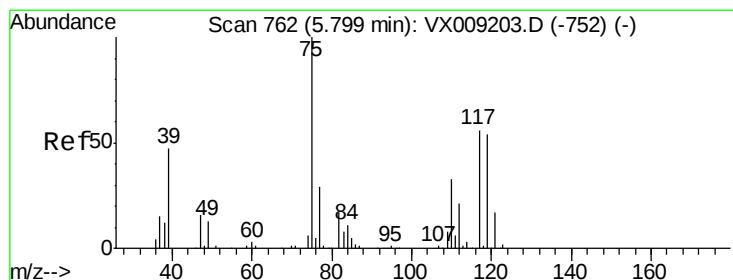
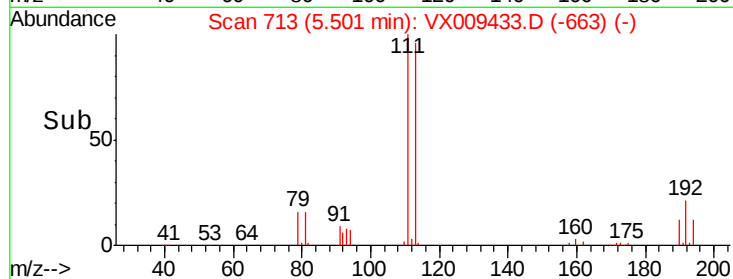
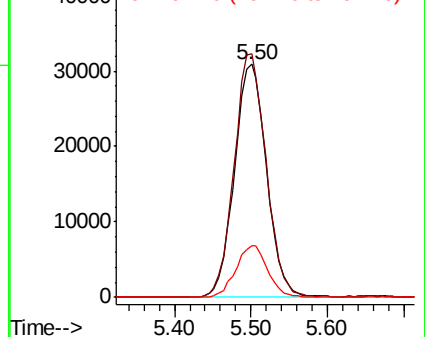
192 21.8 17.0 25.6



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: 5.116 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

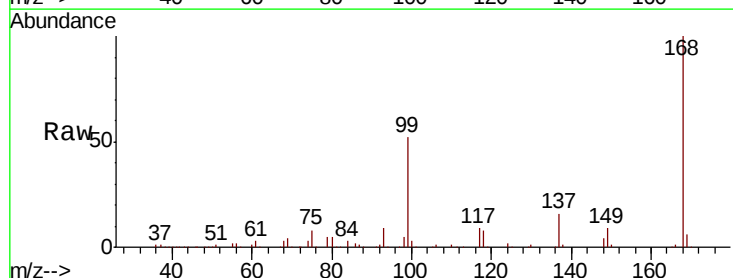
Tgt Ion: 75 Resp: 14122

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

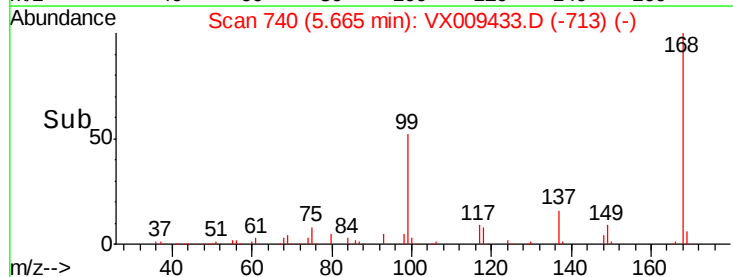
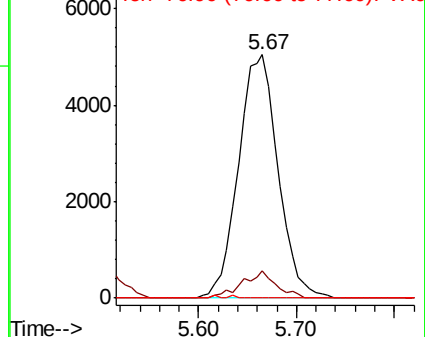
77 0.0 24.8 37.2#

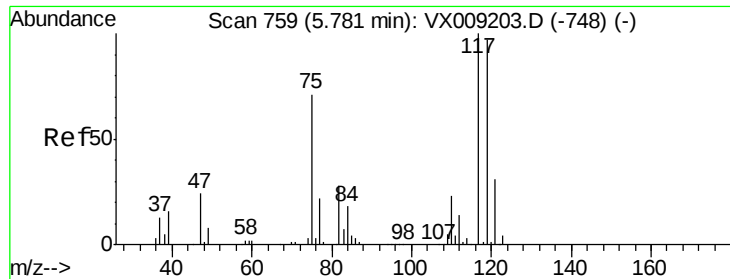


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.944 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

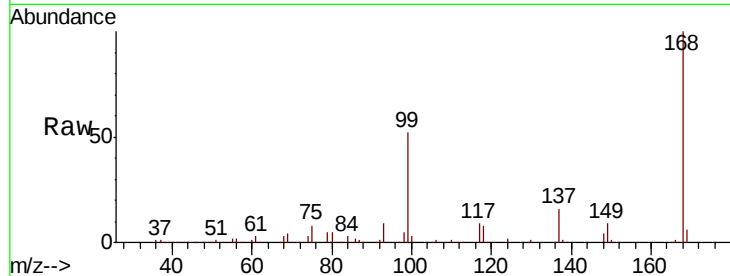
Tot Ion:117 Resp: 17415

Ion Ratio Lower Upper

117 100

119 4.1 77.5 116.3#

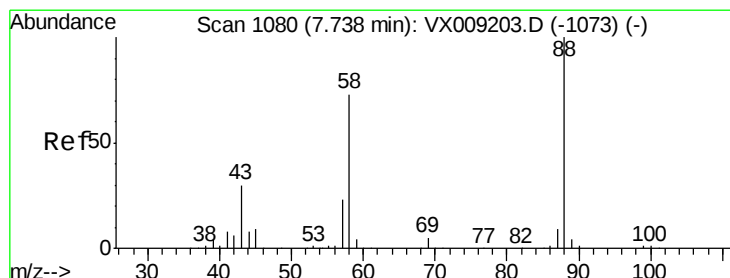
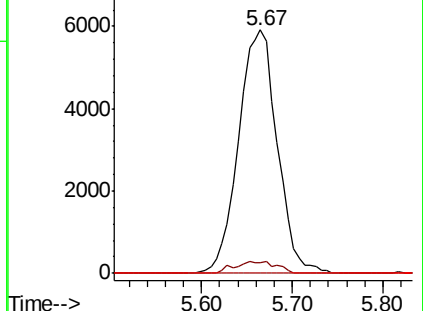
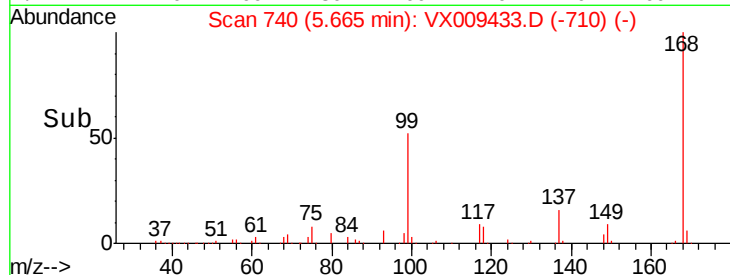
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.323 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.27 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

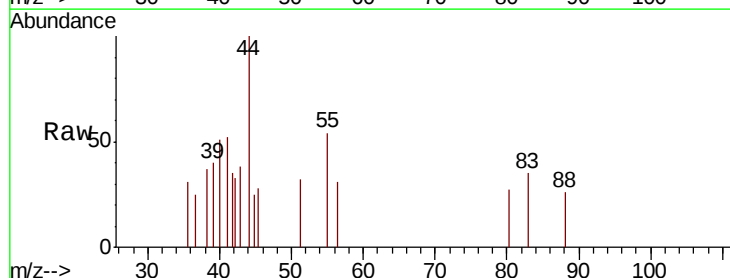
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

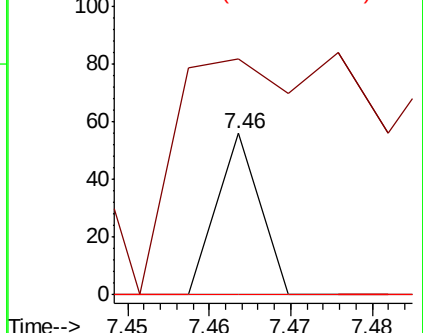
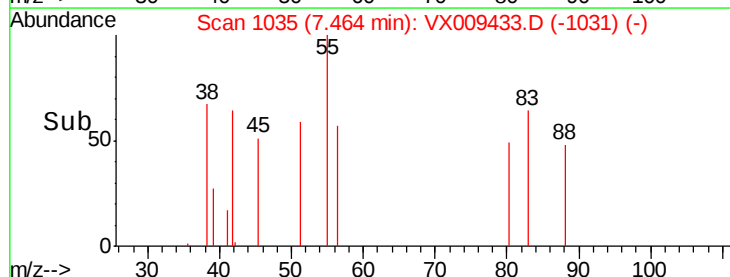
58 0.0 61.7 92.5#

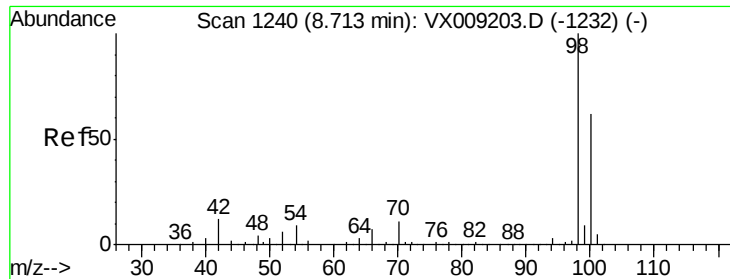


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.443 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

Instrument :

MSVOA_X

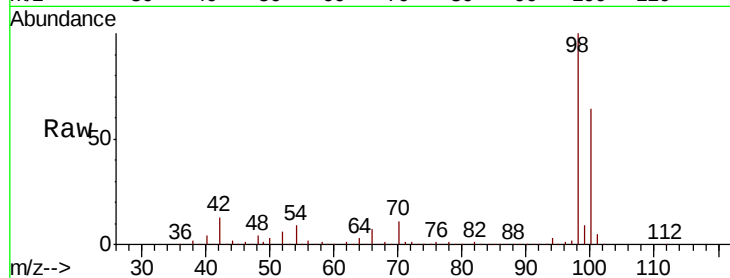
ClientSampled :

Tot Ion: 98 Resp: 372739

Ion Ratio Lower Upper

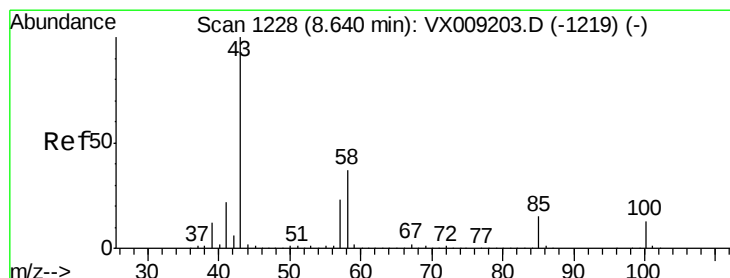
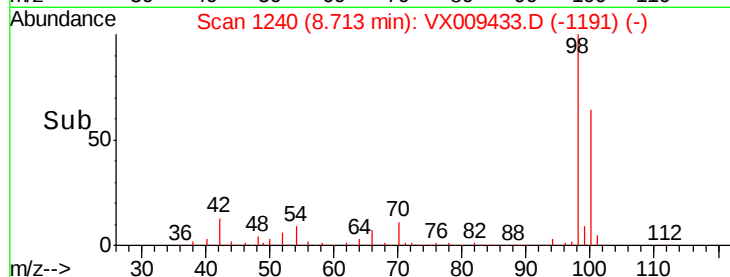
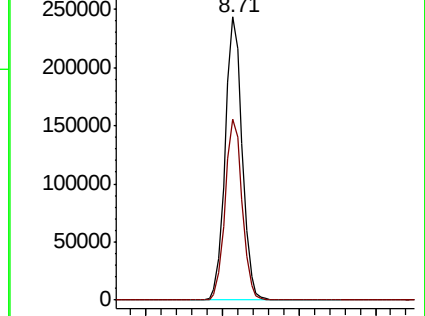
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.309 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009433.D

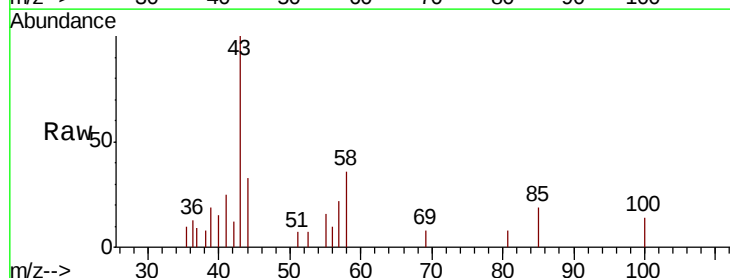
Acq: 09 May 2019 17:21

Tgt Ion: 43 Resp: 1242

Ion Ratio Lower Upper

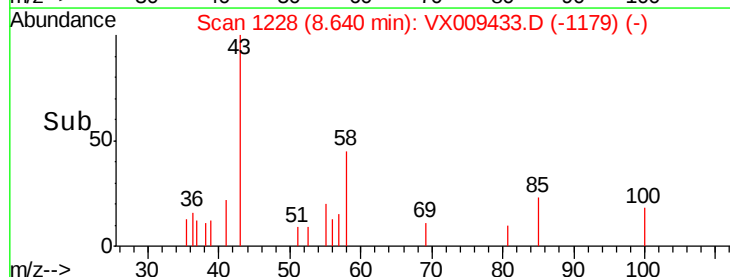
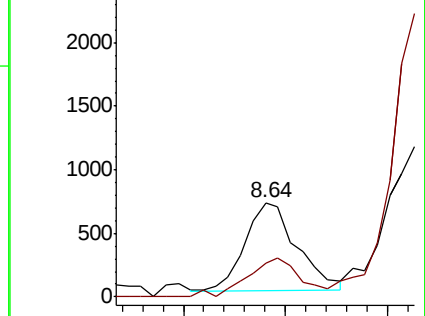
43 100

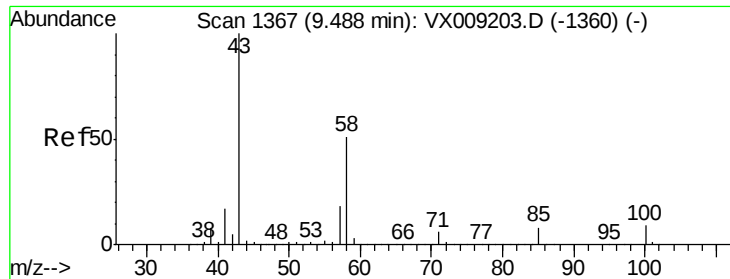
58 45.0 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

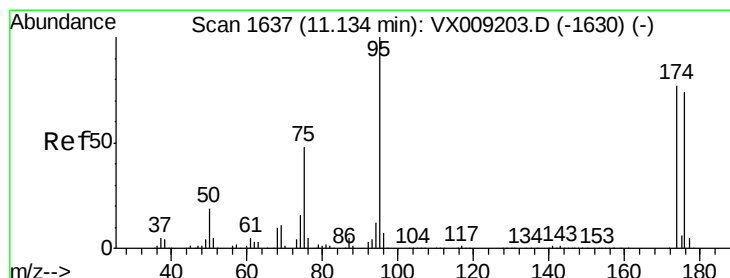
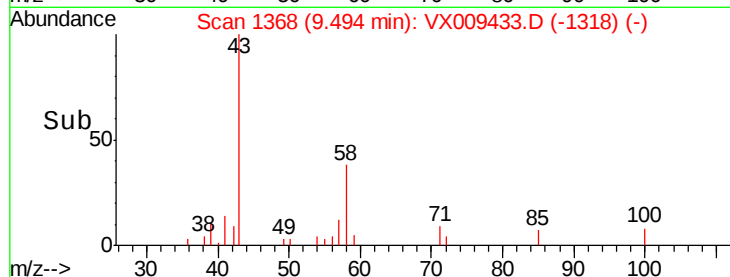
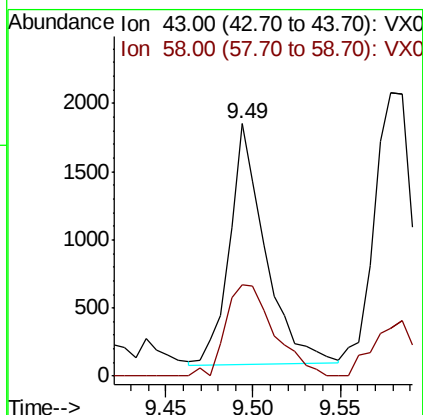
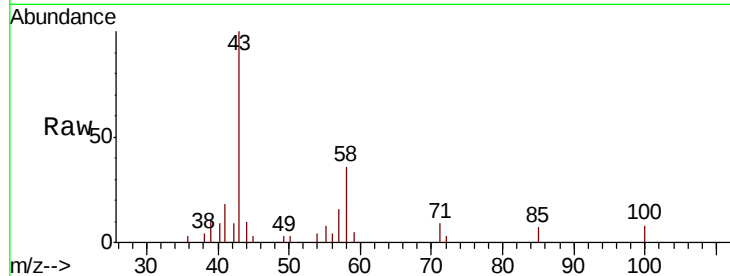




#59
2-Hexanone
Concen: 0.793 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009433.D
Acq: 09 May 2019 17:21

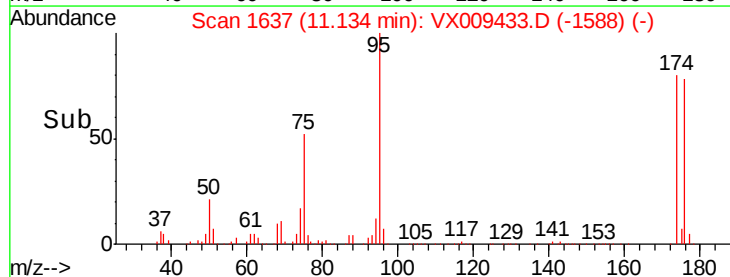
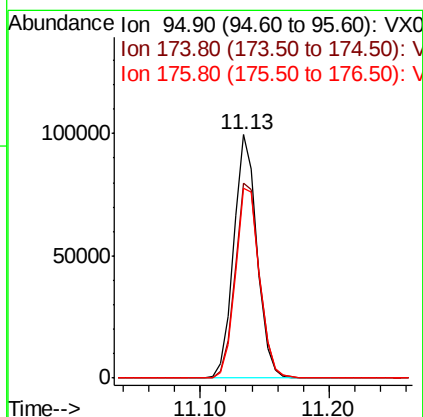
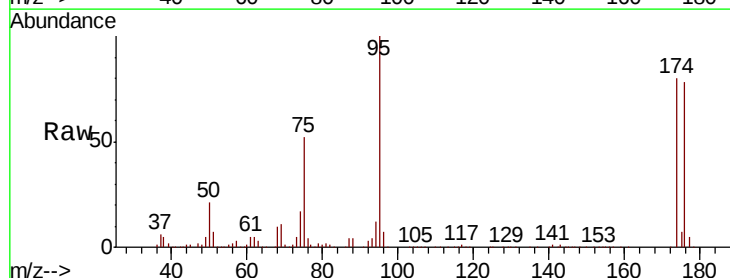
Instrument :
MSVOA_X
ClientSampleId :

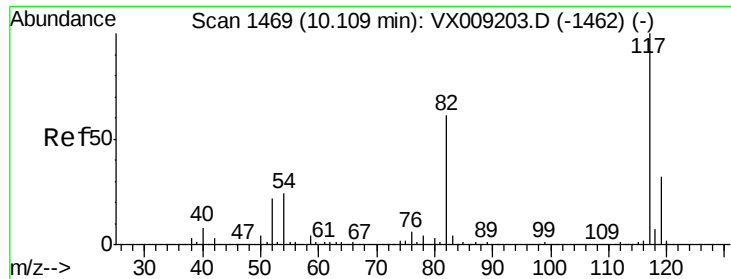
Tot Ion: 43 Resp: 2504
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 45.850 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009433.D
Acq: 09 May 2019 17:21

Tgt Ion: 95 Resp: 125595
Ion Ratio Lower Upper
95 100
174 83.2 0.0 161.6
176 80.9 0.0 159.2

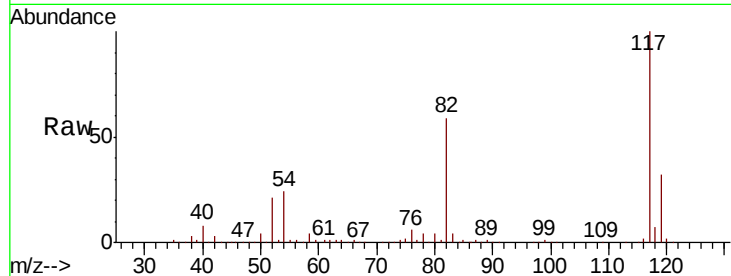




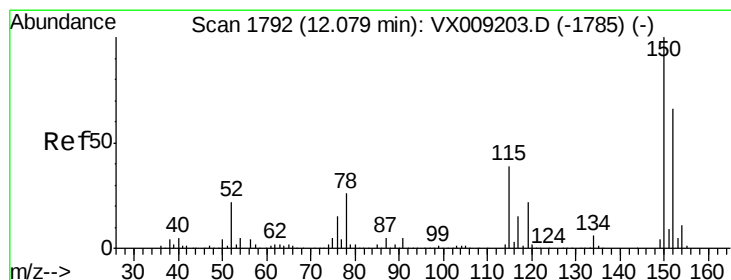
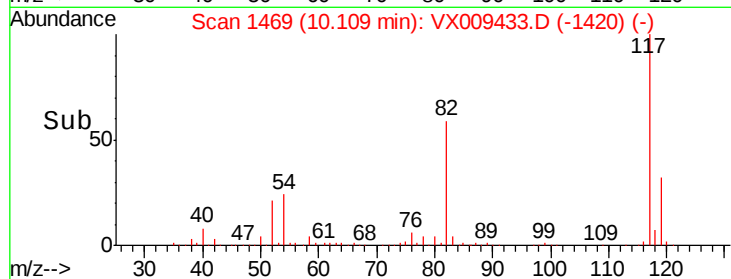
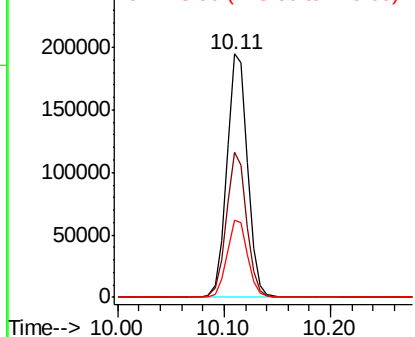
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009433.D
Acq: 09 May 2019 17:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 265020
Ion Ratio Lower Upper
117 100
82 59.4 48.8 73.2
119 31.9 25.8 38.6

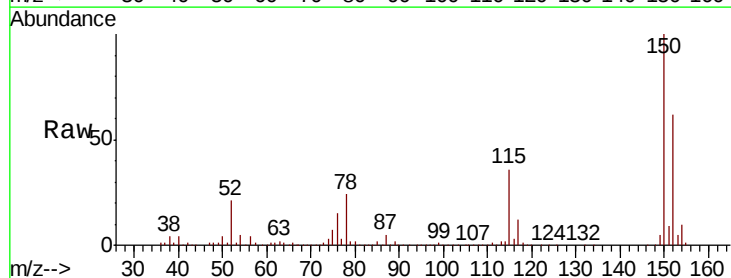


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

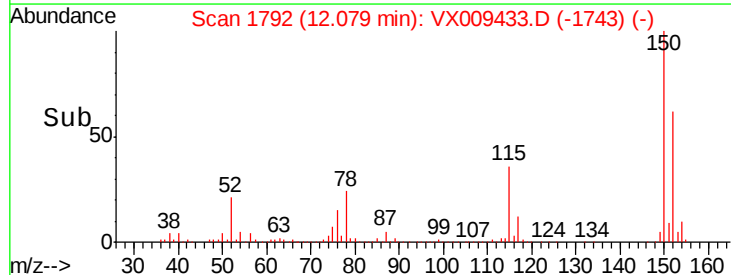
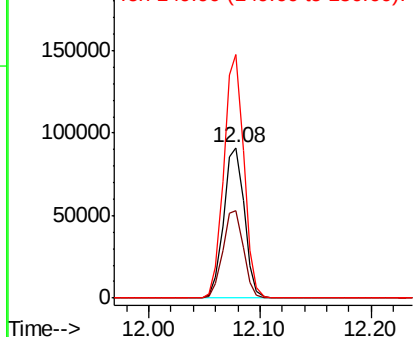


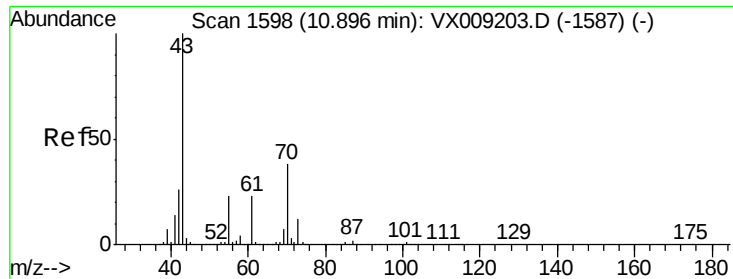
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009433.D
Acq: 09 May 2019 17:21

Tgt Ion:152 Resp: 117188
Ion Ratio Lower Upper
152 100
115 58.1 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





#74

N-amvl acetate

Concen: 0.689 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 3422

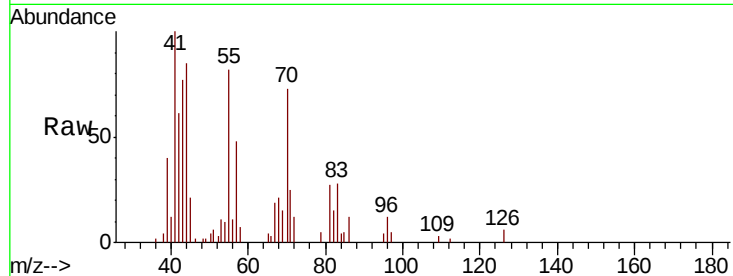
Ion Ratio Lower Upper

43 100

70 96.0 30.0 45.0#

55 105.3 17.9 26.9#

61 0.0 18.4 27.6#

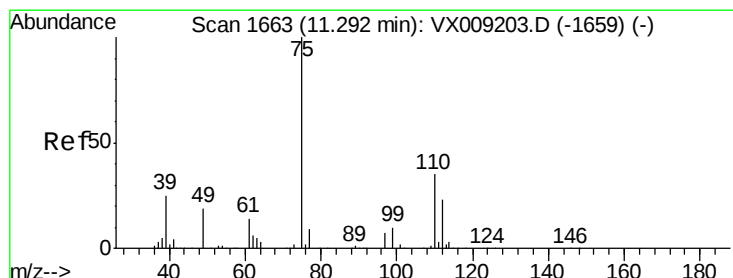
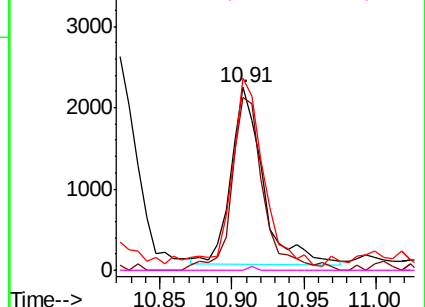
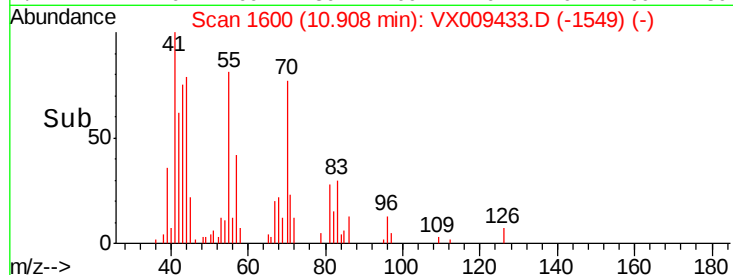


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.777 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009433.D

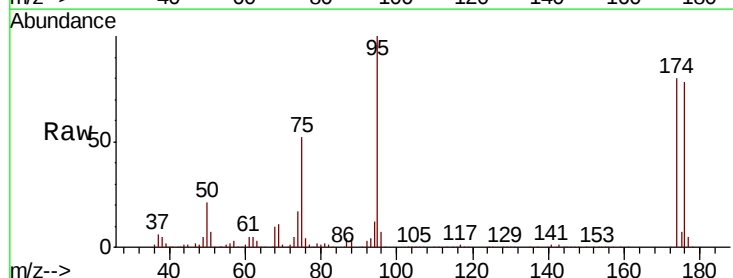
Acq: 09 May 2019 17:21

Tgt Ion: 75 Resp: 64635

Ion Ratio Lower Upper

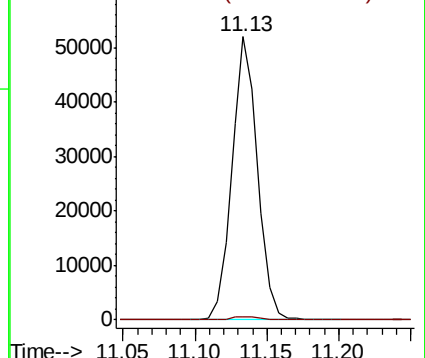
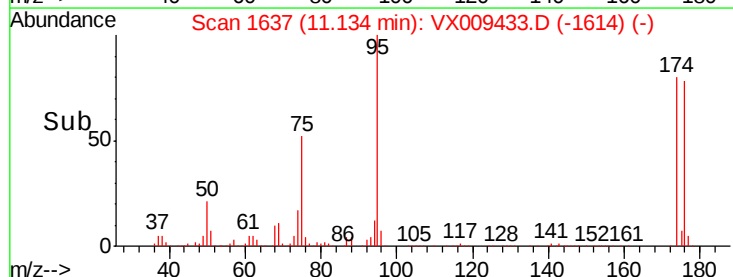
75 100

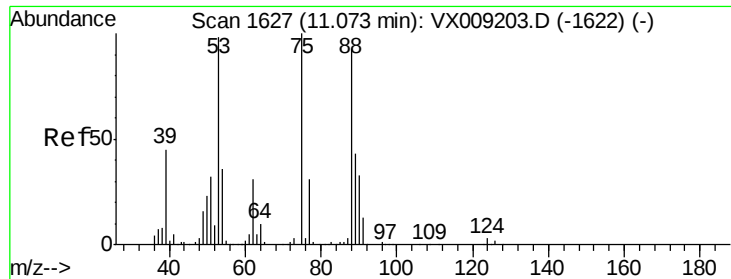
77 1.3 22.1 66.1#



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: 60.838 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009433.D

Acq: 09 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

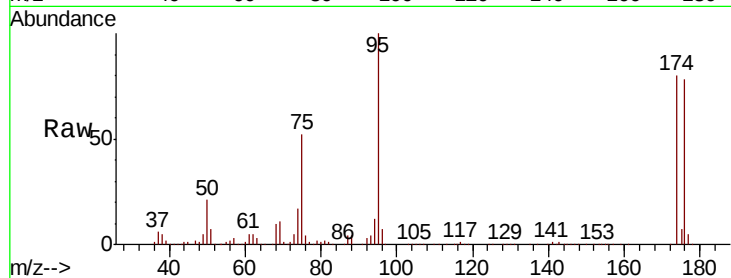
Tot Ion: 75 Resp: 64635

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

