

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019050.D
 Acq On : 23 Oct 2020 00:57
 Operator : JC/SP
 Sample : L4453-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 23 08:38:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	275132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	478052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	232117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	168981	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.46	113	148340	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.70	98	589048	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.12	95	213527	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	

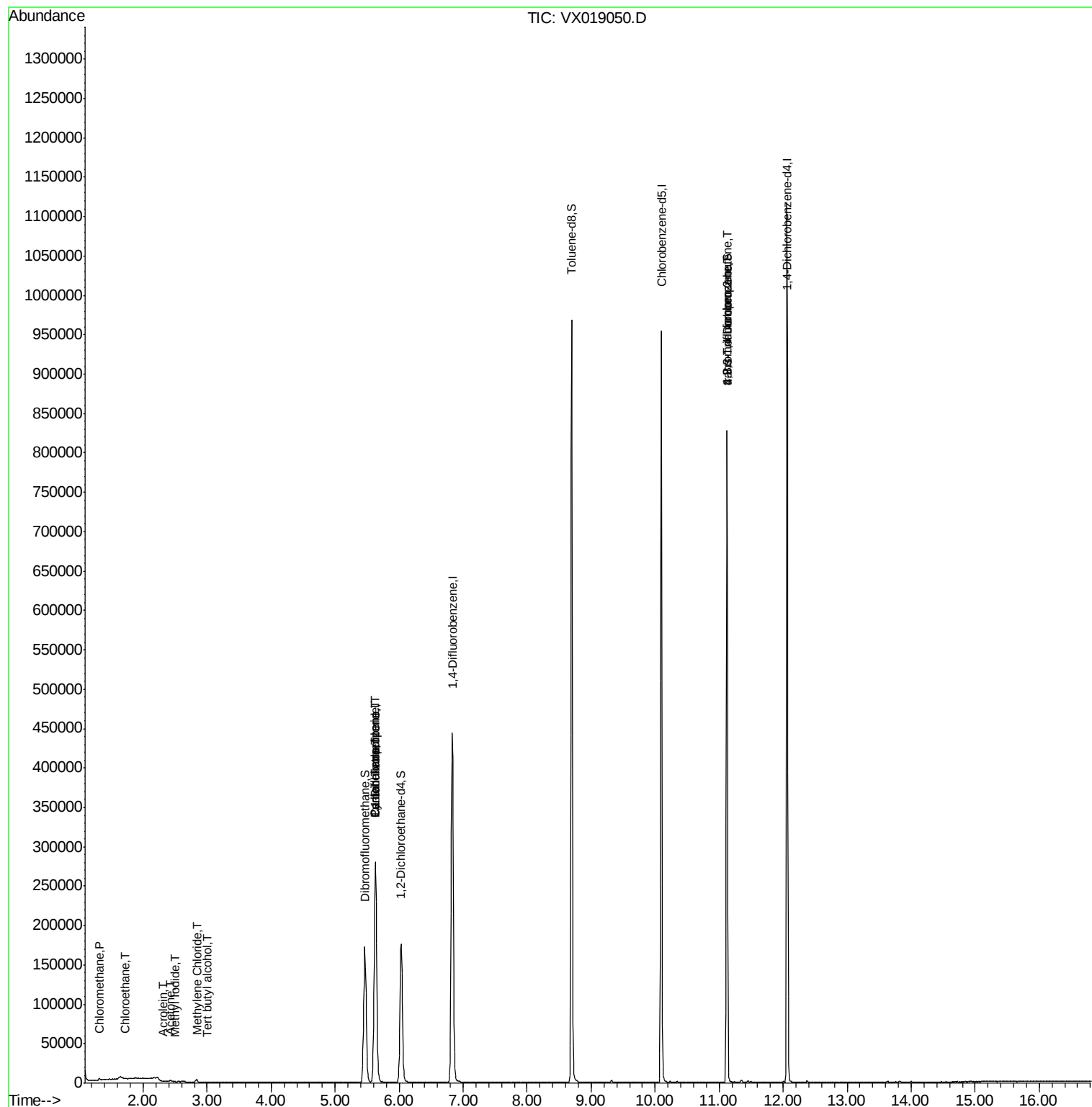
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1549	0.568	ug/l	98
5) Bromomethane	1.64	94	500	Below Cal		96
6) Chloroethane	1.72	64	47	1.290	ug/l #	43
10) Methyl Iodide	2.50	142	152	4.808	ug/l #	42
11) Tert butyl alcohol	3.00	59	135	0.202	ug/l #	73
13) Acrolein	2.30	56	22	13.708	ug/l #	16
16) Acetone	2.43	43	2625	2.338	ug/l	96
20) Methylene Chloride	2.84	84	1558	0.499	ug/l	92
31) Cyclohexane	5.63	56	5182	1.343	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20163	4.700	ug/l #	47
38) Carbon Tetrachloride	5.62	117	26784	5.949	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	107178	23.102	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	107178	58.858	ug/l #	15

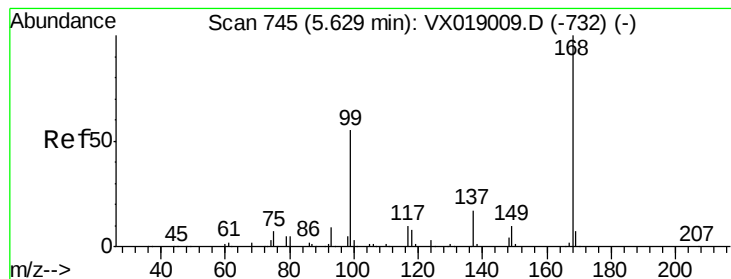
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

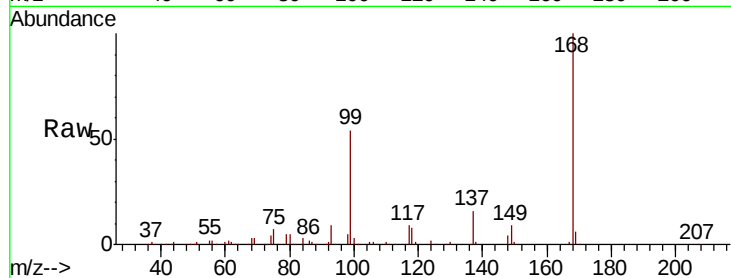
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 275132

Ion Ratio Lower Upper

168 100

99 54.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

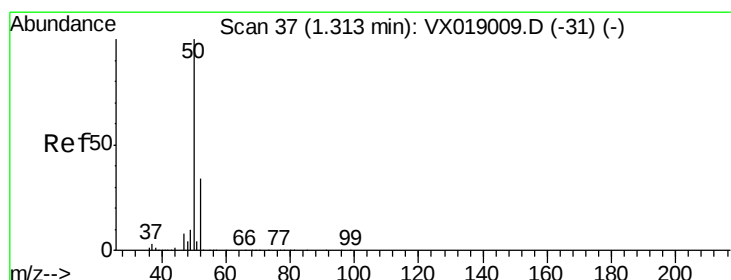
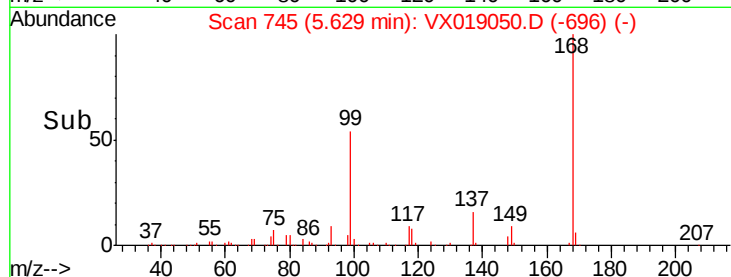
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.568 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019050.D

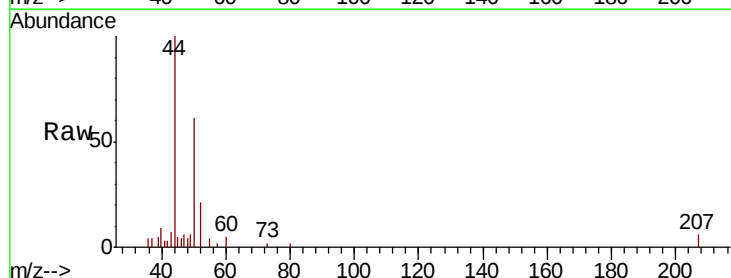
Acq: 23 Oct 2020 00:57

Tgt Ion: 50 Resp: 1549

Ion Ratio Lower Upper

50 100

52 34.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

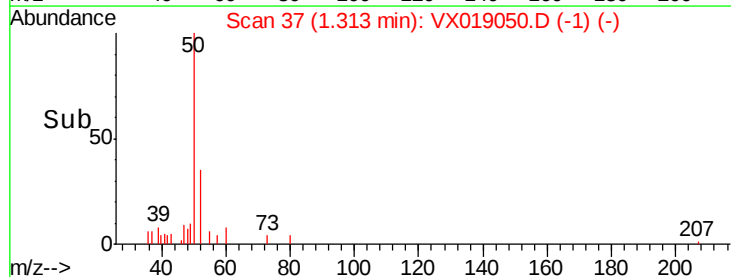
1500

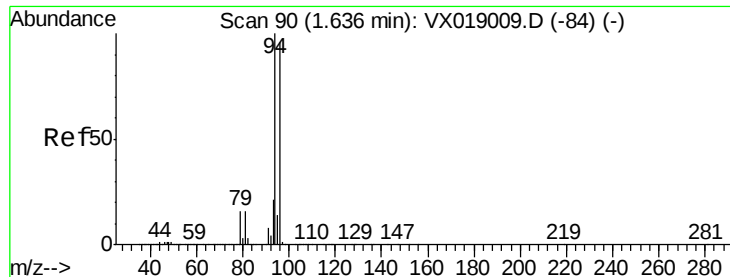
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

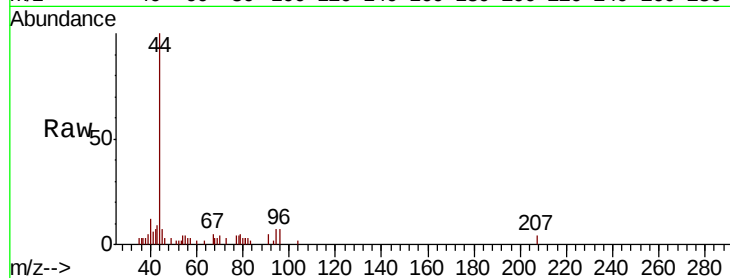
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 500

Ion Ratio Lower Upper

94 100

96 100.4 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

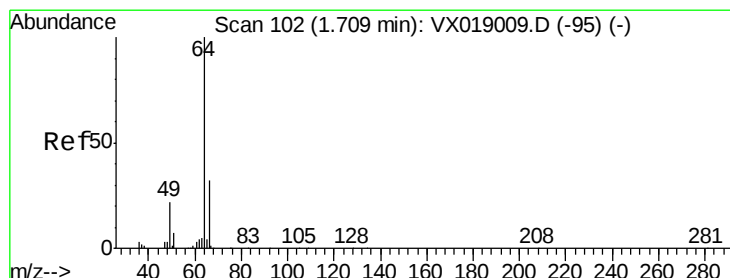
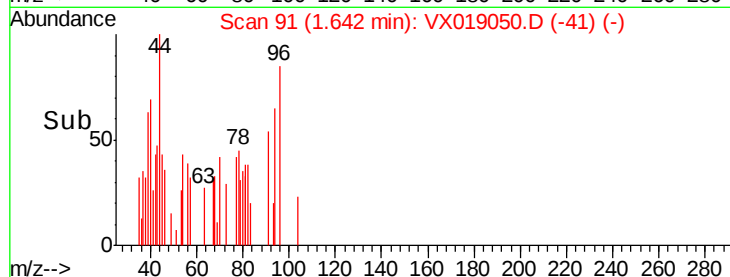
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 1.290 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX019050.D

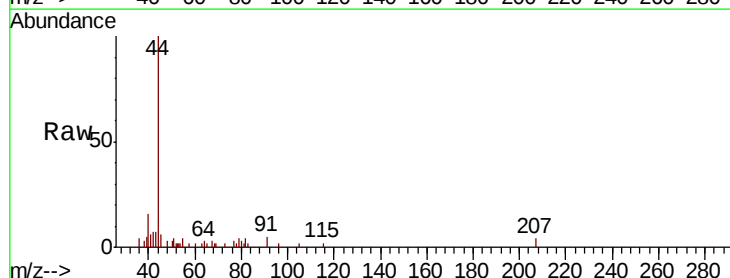
Acq: 23 Oct 2020 00:57

Tgt Ion: 64 Resp: 47

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100

80

60

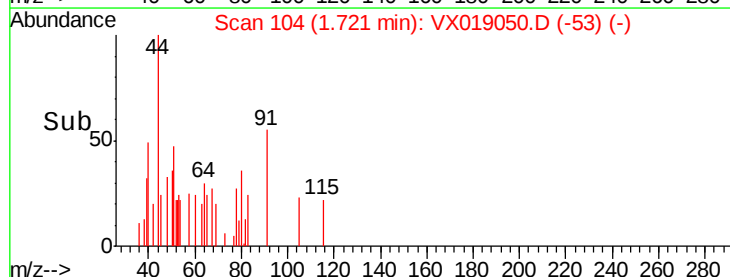
40

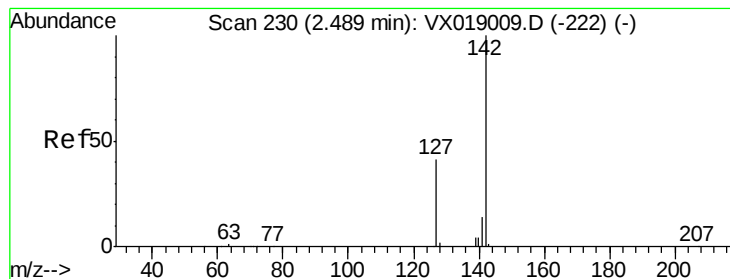
20

0

1.70 1.72 1.74

Time-->





#10

Methyl Iodide

Concen: 4.808 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

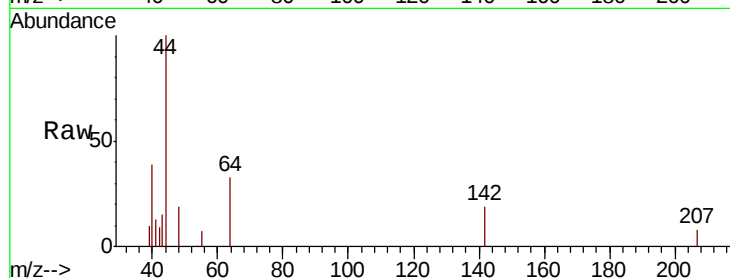
Tot Ion:142 Resp: 152

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

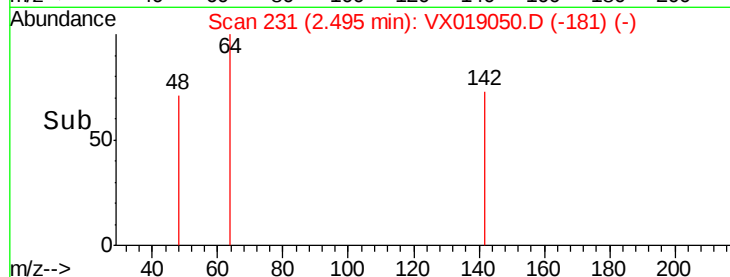
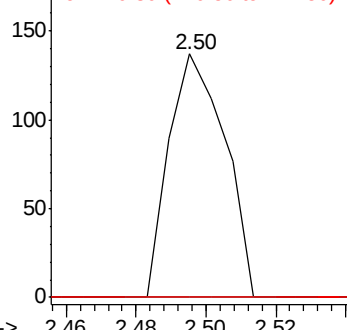
141 0.0 11.2 16.8#



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: 0.202 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019050.D

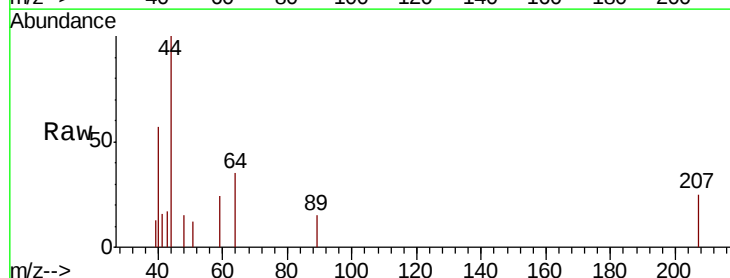
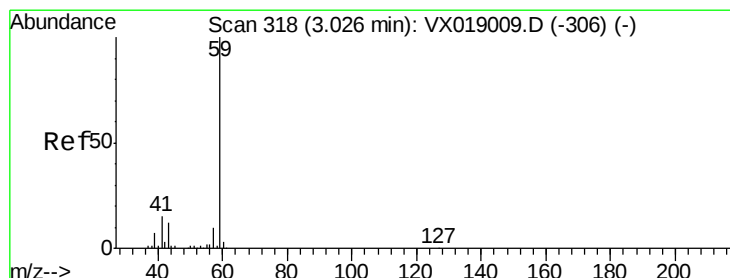
Acq: 23 Oct 2020 00:57

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

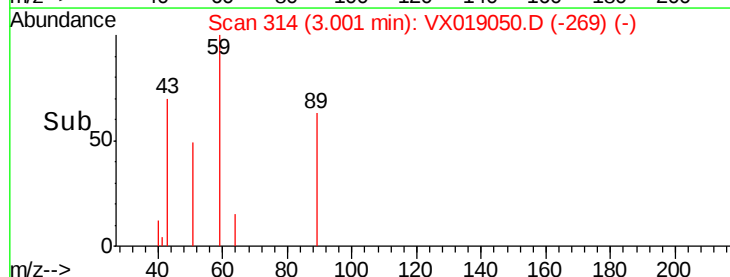
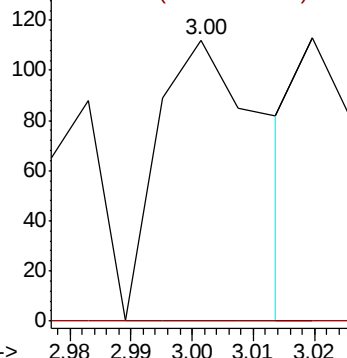
59 100

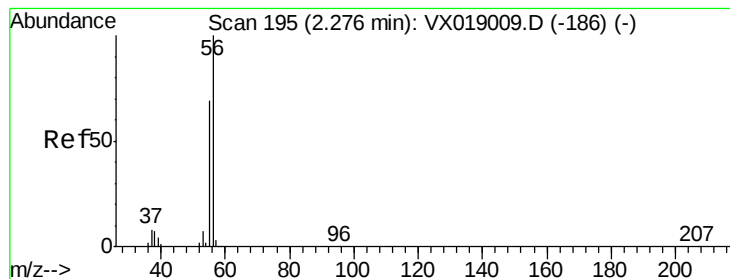
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 13.708 ug/l

RT: 2.30 min Scan# 199

Delta R.T. 0.02 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

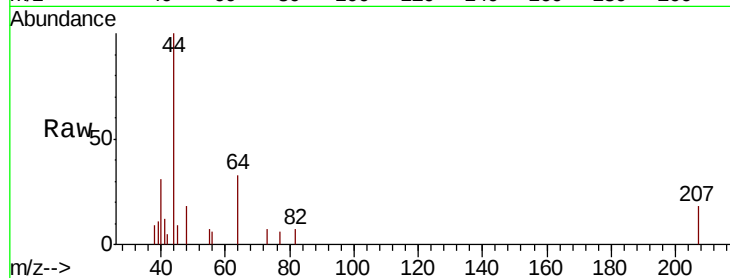
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

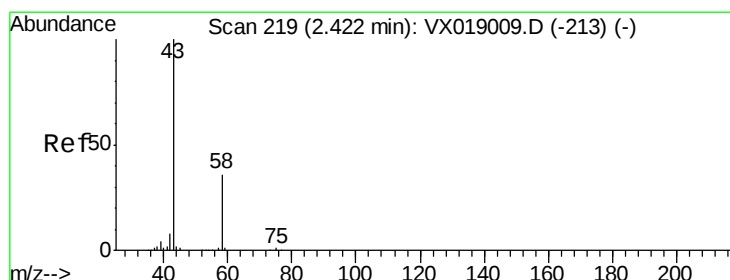
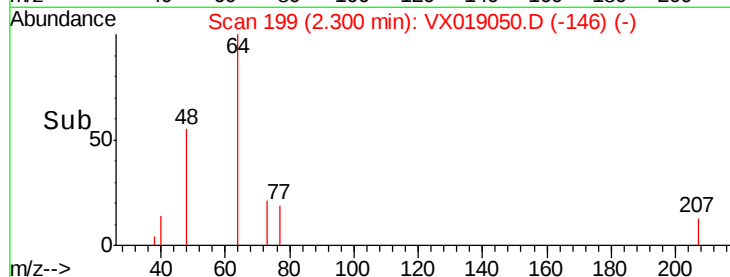
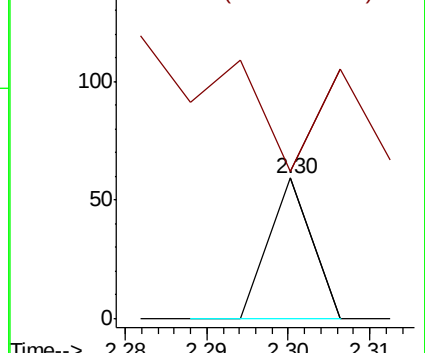
56 100

55 0.0 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.338 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019050.D

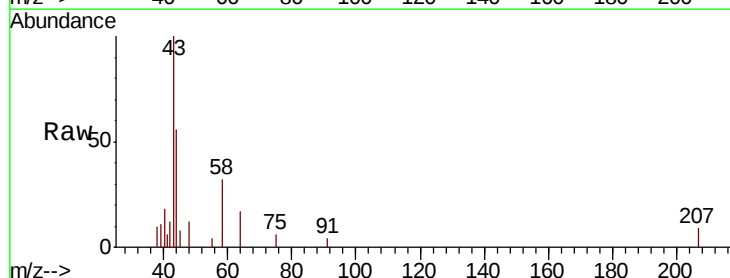
Acq: 23 Oct 2020 00:57

Tgt Ion: 43 Resp: 2625

Ion Ratio Lower Upper

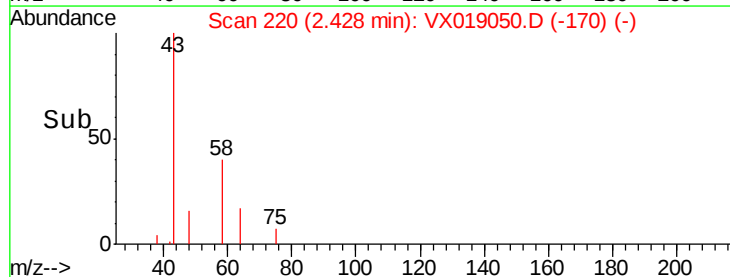
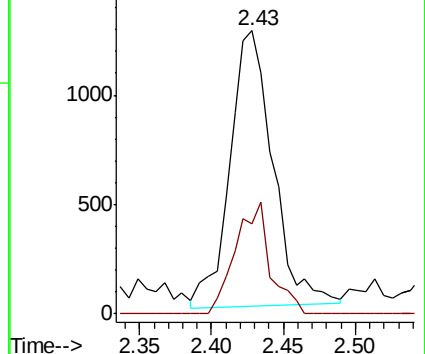
43 100

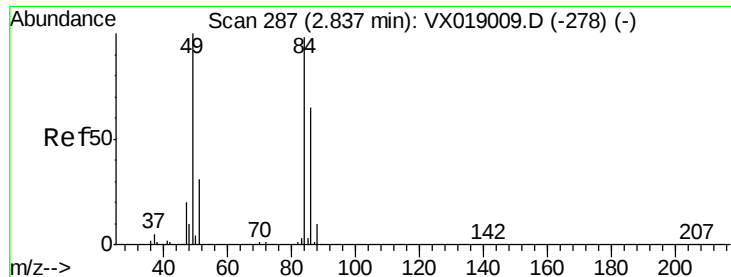
58 33.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

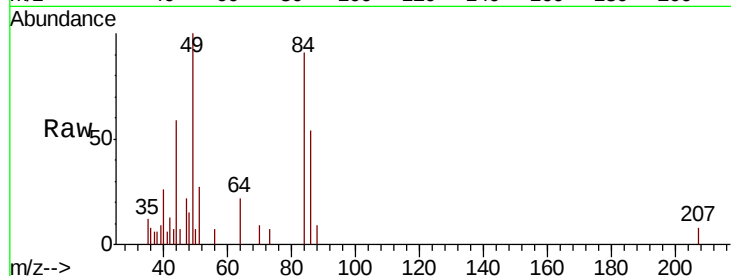




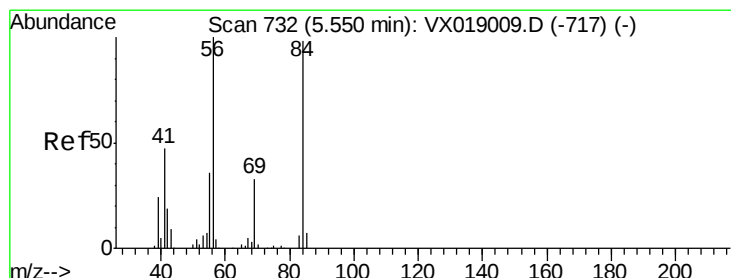
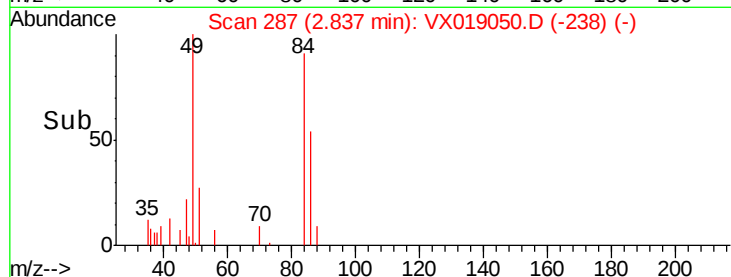
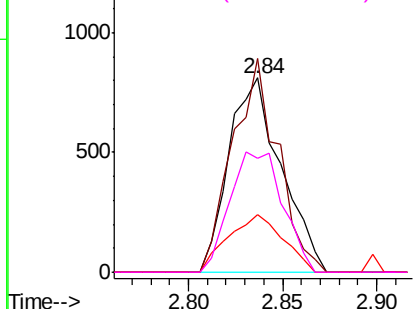
#20
Methvlene Chloride
Concen: 0.499 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019050.D
Acq: 23 Oct 2020 00:57

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:	84	Resp:	1558
Ion	Ratio	Lower	Upper
84	100		
49	109.9	81.6	122.4
51	29.4	25.6	38.4
86	58.9	53.3	79.9

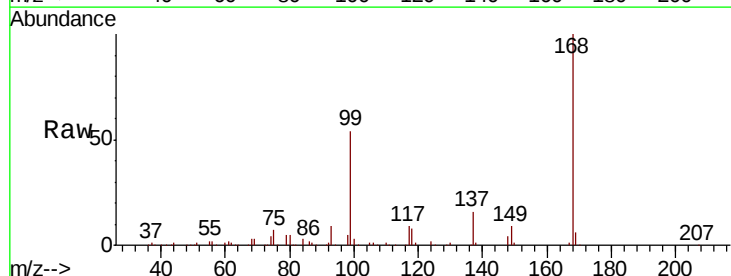


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

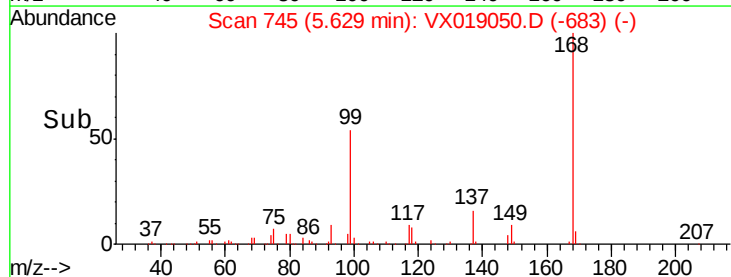
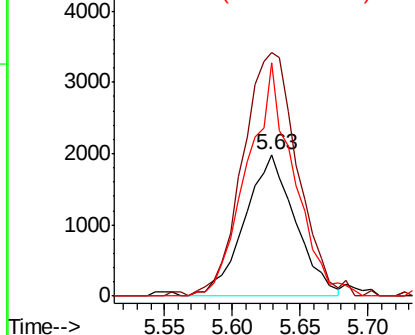


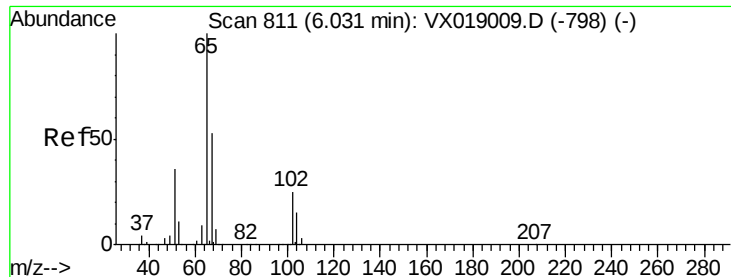
#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019050.D
Acq: 23 Oct 2020 00:57

Tgt Ion:	56	Resp:	5182
Ion	Ratio	Lower	Upper
56	100		
69	172.2	26.2	39.2#
84	165.2	78.3	117.5#



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

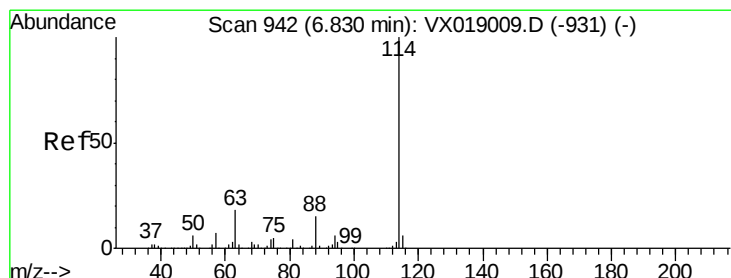
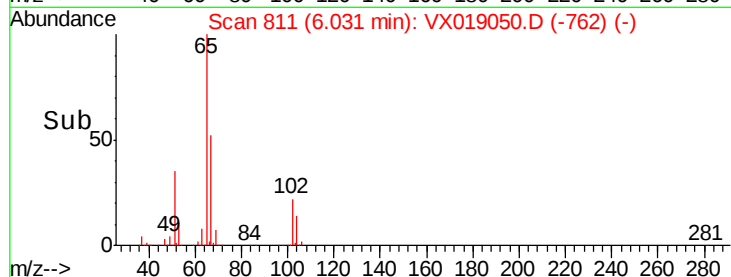
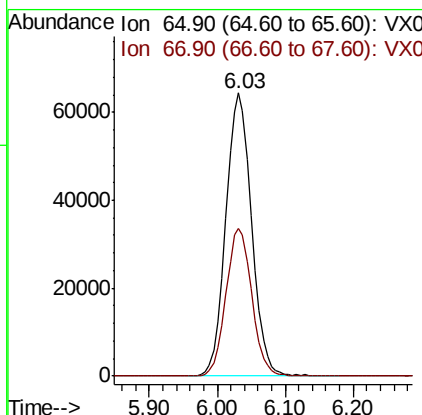
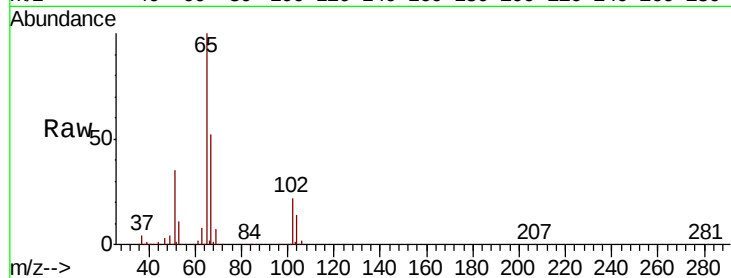




#33
 1,2-Dichloroethane-d4
 Concen: 51.274 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019050.D
 Acq: 23 Oct 2020 00:57

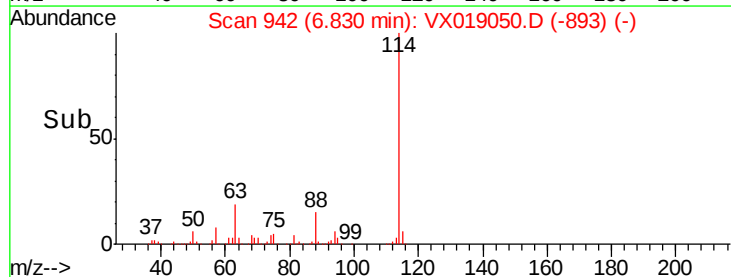
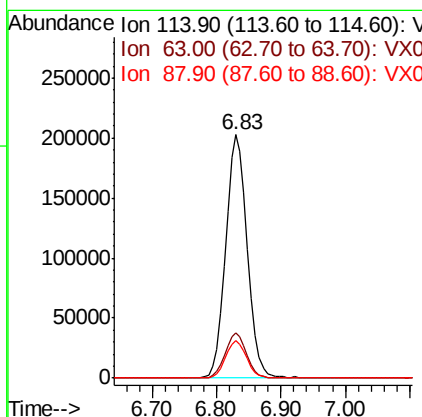
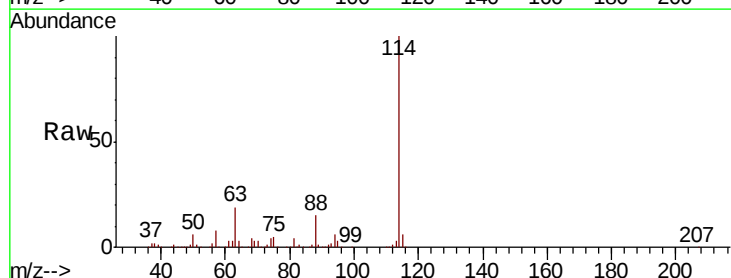
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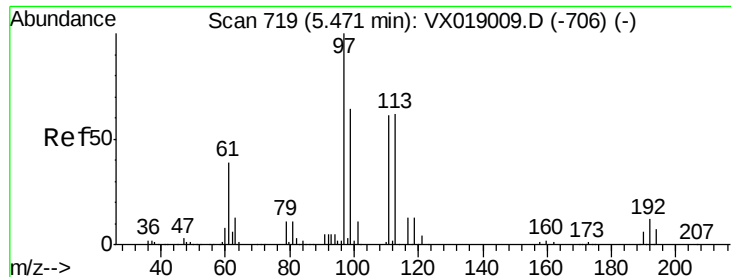
Tot Ion: 65 Resp: 168981
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019050.D
 Acq: 23 Oct 2020 00:57

Tgt Ion: 114 Resp: 478052
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.3 0.0 30.2

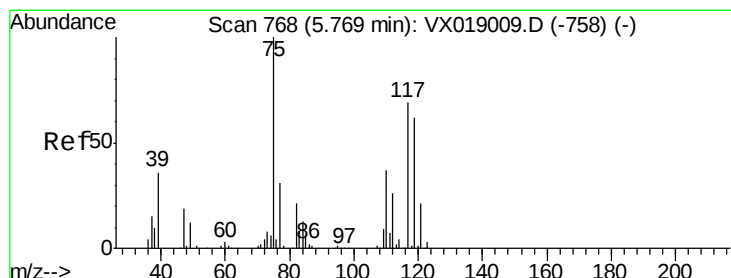
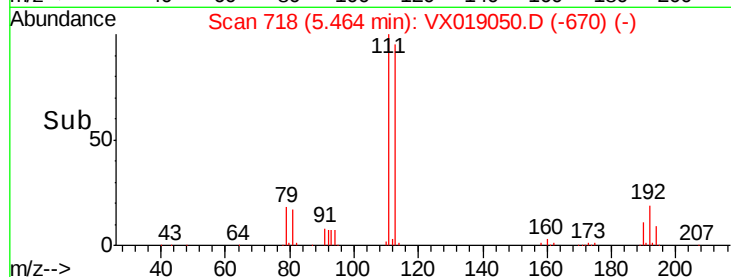
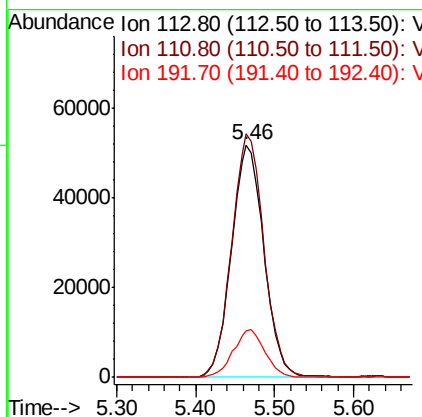
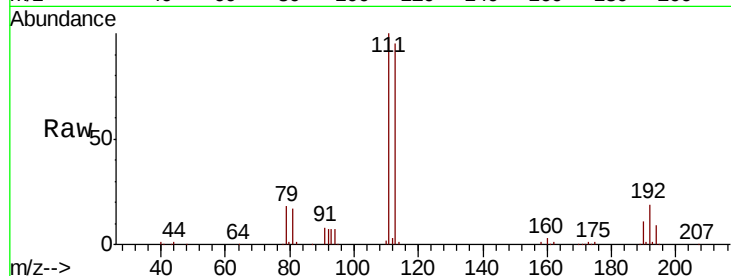




#35
 Dibromofluoromethane
 Concen: 49.010 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019050.D
 Acq: 23 Oct 2020 00:57

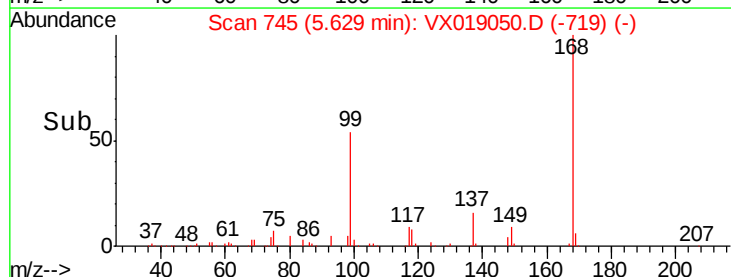
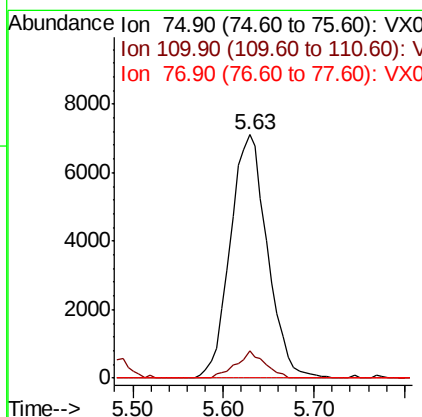
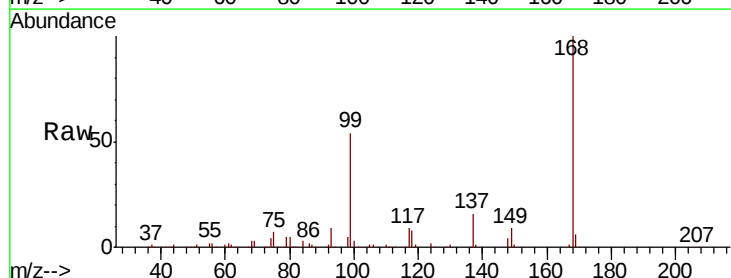
Instrument :
 MSVOA_X
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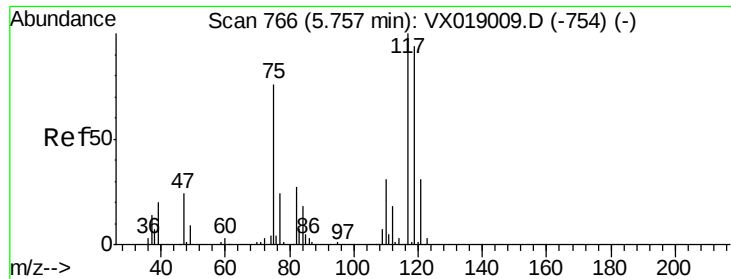
Tot Ion:113 Resp: 148340
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.5 122.3
 192 19.9 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019050.D
 Acq: 23 Oct 2020 00:57

Tgt Ion: 75 Resp: 20163
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.4 58.2#
 77 0.0 25.2 37.8#

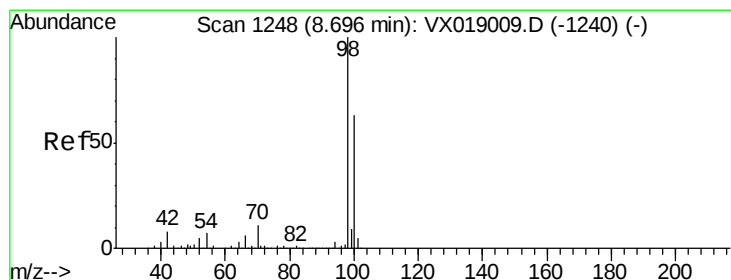
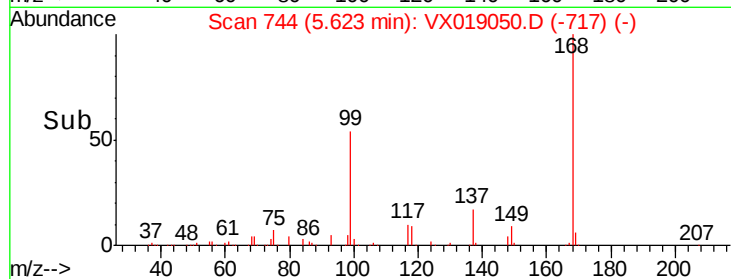
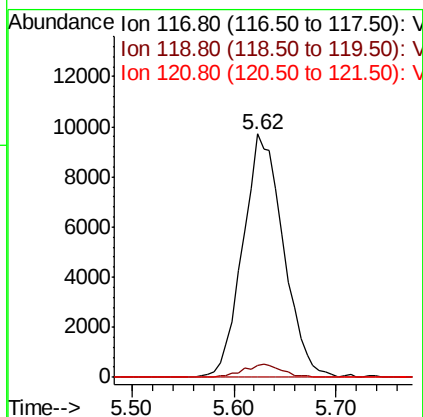
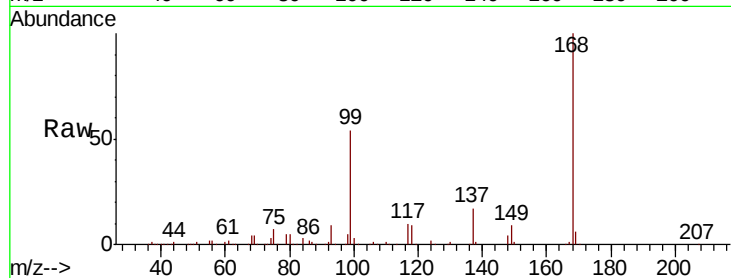




#38
Carbon Tetrachloride
Concen: 5.949 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019050.D
Acq: 23 Oct 2020 00:57

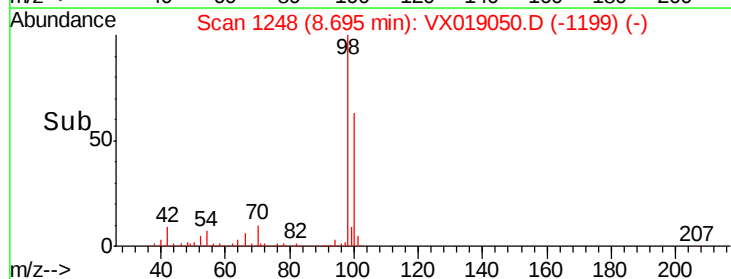
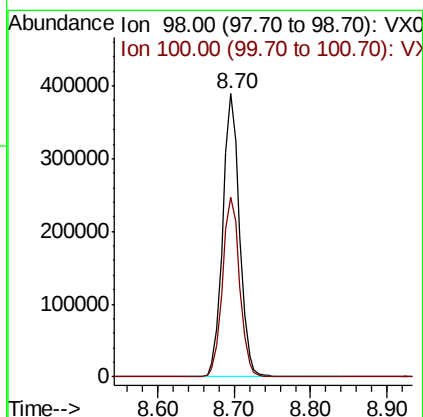
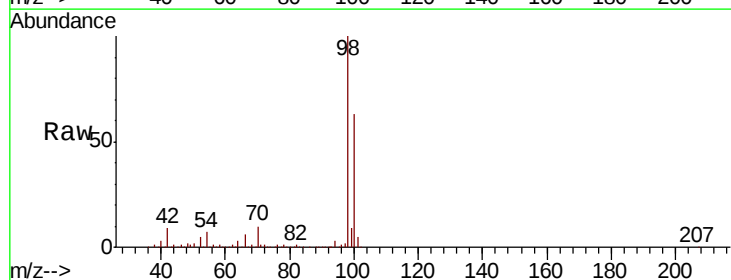
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

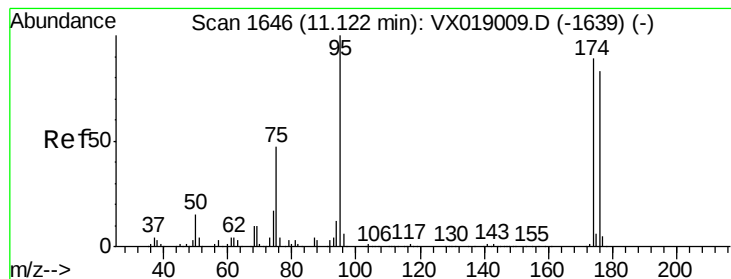
Tot Ion:117 Resp: 26784
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.000 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019050.D
Acq: 23 Oct 2020 00:57

Tgt Ion: 98 Resp: 589048
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 51.974 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

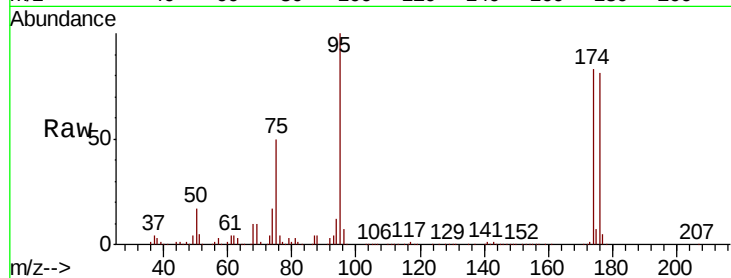
Tot Ion: 95 Resp: 213527

Ion Ratio Lower Upper

95 100

174 81.7 0.0 167.6

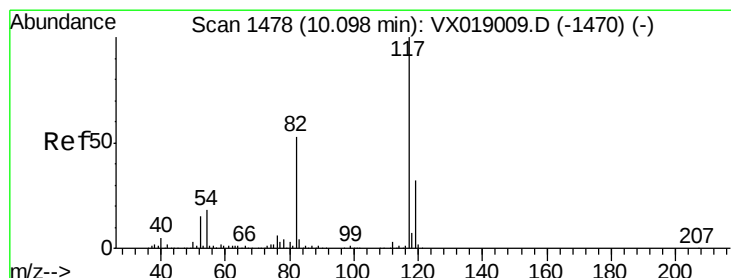
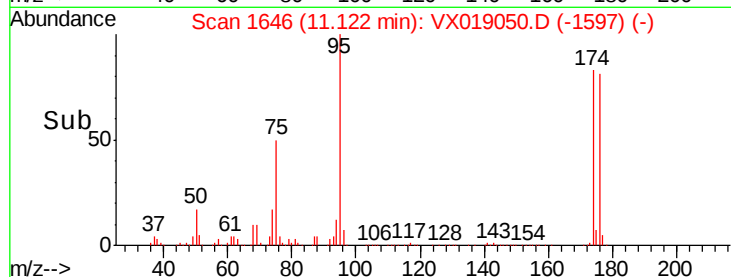
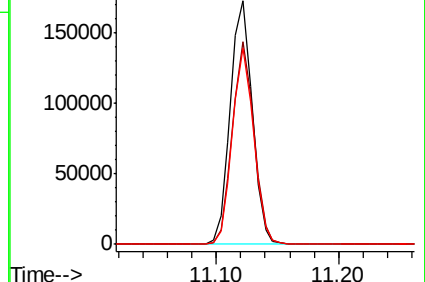
176 78.7 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX019009.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019009.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019009.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

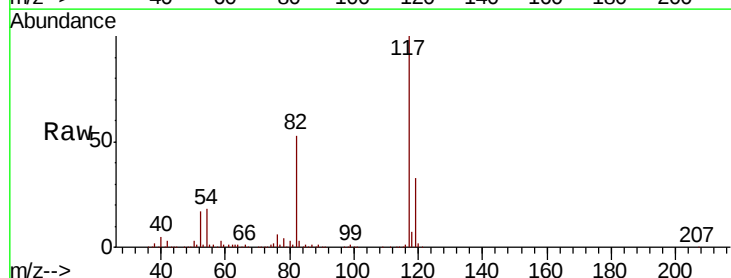
Tgt Ion: 117 Resp: 453442

Ion Ratio Lower Upper

117 100

82 52.6 42.4 63.6

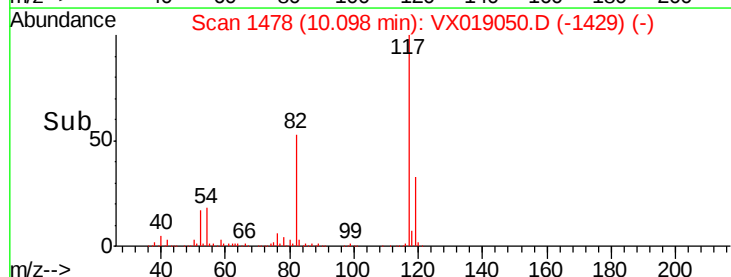
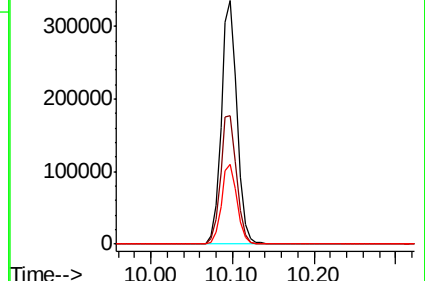
119 33.0 25.6 38.4

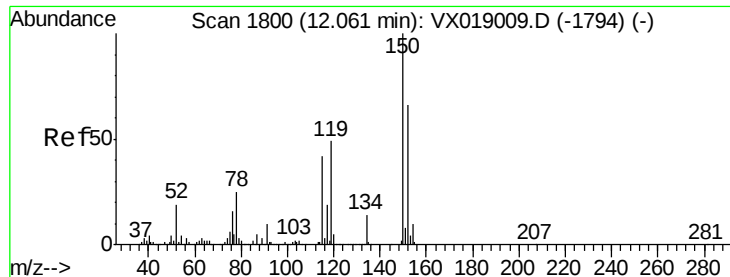


Abundance Ion 116.90 (116.60 to 117.60): VX019009.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019009.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019009.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019050.D

Acq: 23 Oct 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

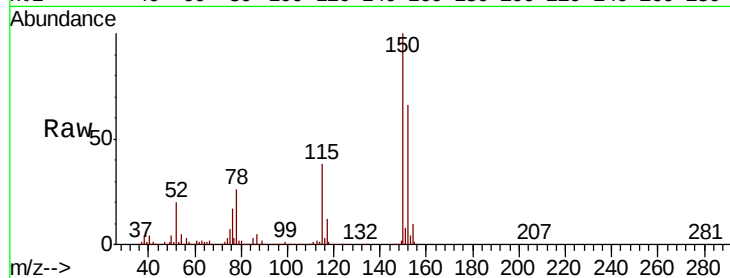
Tot Ion:152 Resp: 232117

Ion Ratio Lower Upper

152 100

115 57.5 40.8 122.5

150 157.7 0.0 345.6

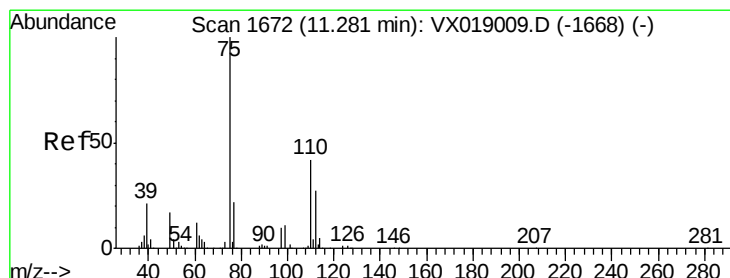
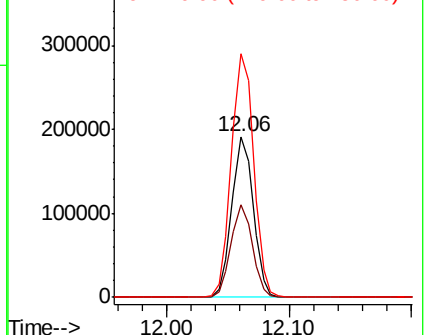
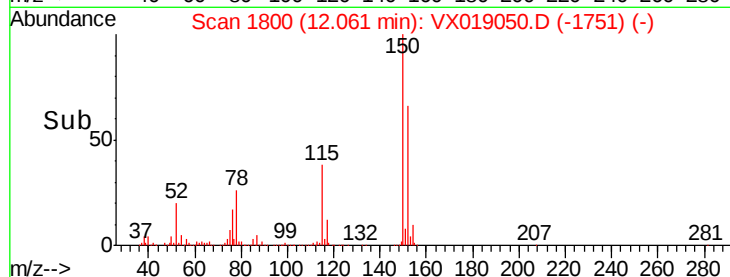


Abundance

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: 23.102 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019050.D

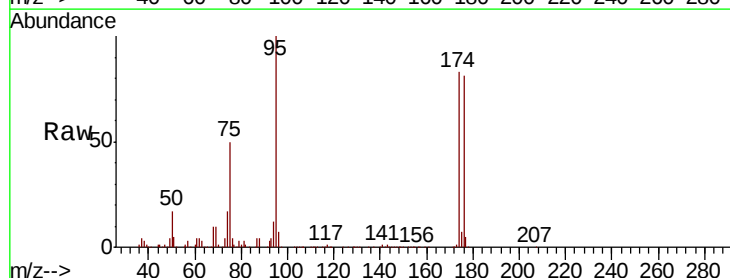
Acq: 23 Oct 2020 00:57

Tgt Ion: 75 Resp: 107178

Ion Ratio Lower Upper

75 100

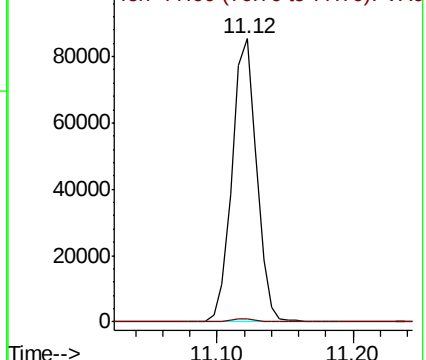
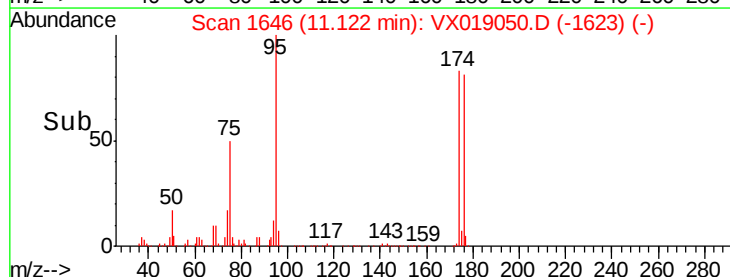
77 1.2 20.7 62.1#

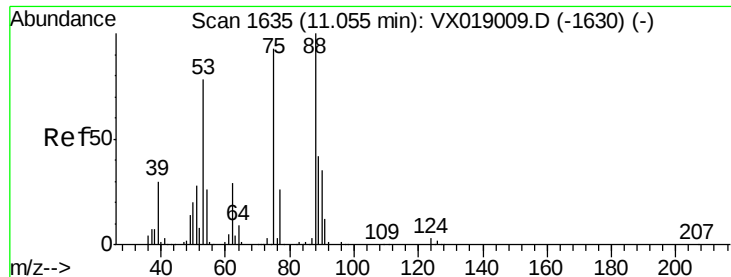


Abundance

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: 58.858 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019050.D
 Acq: 23 Oct 2020 00:57

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 107178
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 37.2 55.8#

