

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019038.D
 Acq On : 22 Oct 2020 19:22
 Operator : JC/SP
 Sample : L4417-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6D

Quant Time: Oct 23 08:34:45 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	263011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	457257	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	439499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226090	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	162063	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	5.46	113	142486	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.70	98	566780	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.12	95	208534	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	

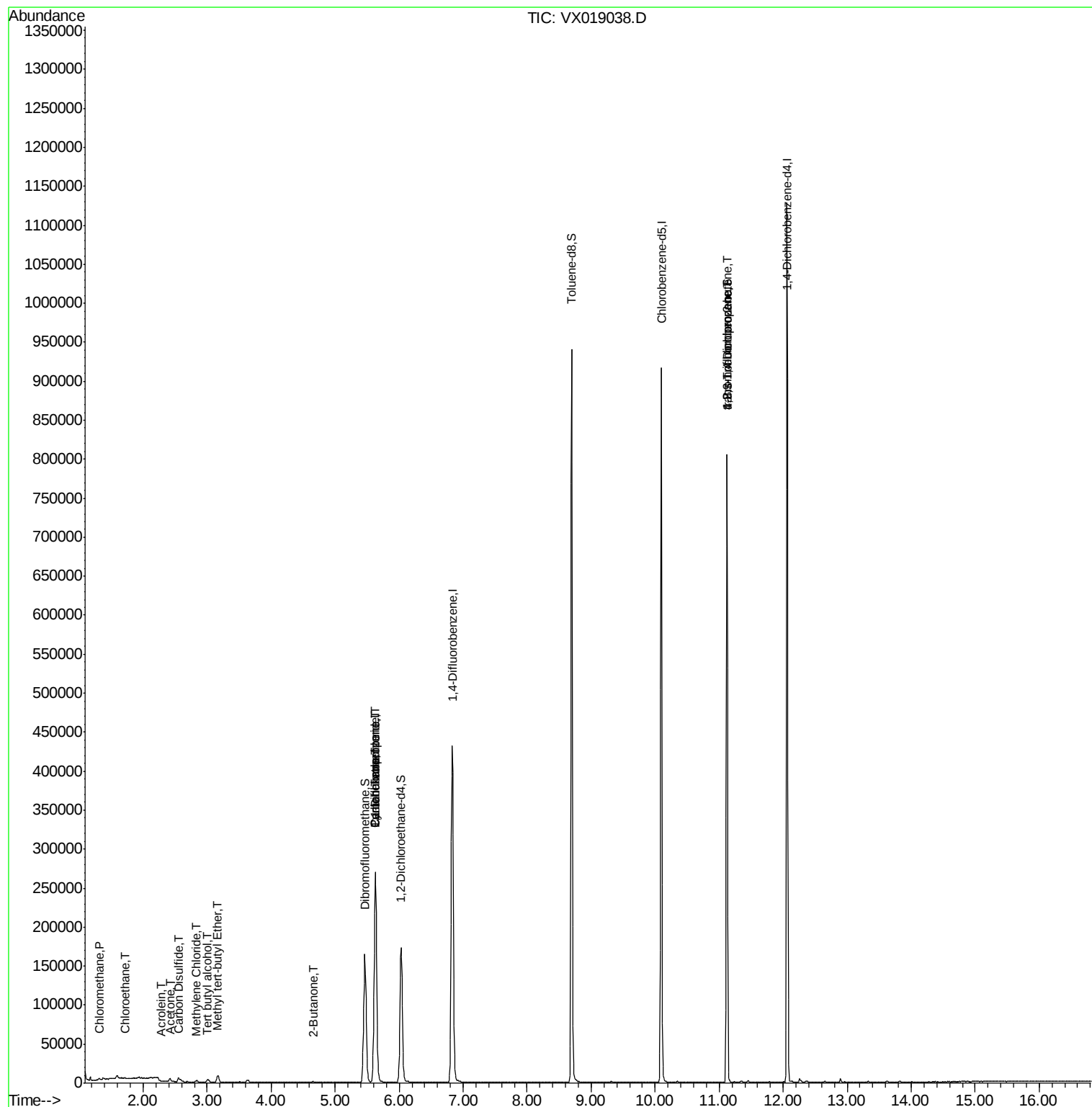
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	832	0.319	ug/l	92
5) Bromomethane	1.64	94	207	Below Cal	#	32
6) Chloroethane	1.72	64	50	1.292	ug/l #	27
11) Tert butyl alcohol	3.01	59	3958	6.203	ug/l #	94
13) Acrolein	2.28	56	40	13.782	ug/l #	16
16) Acetone	2.42	43	3795	3.537	ug/l	94
17) Carbon Disulfide	2.55	76	6358	0.861	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	10845	1.337	ug/l	100
20) Methylene Chloride	2.83	84	820	0.274	ug/l #	78
25) 2-Butanone	4.66	43	411	0.242	ug/l #	40
31) Cyclohexane	5.63	56	5300	1.437	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19011	4.633	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25936	6.023	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	106232	23.508	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	106232	59.894	ug/l #	15

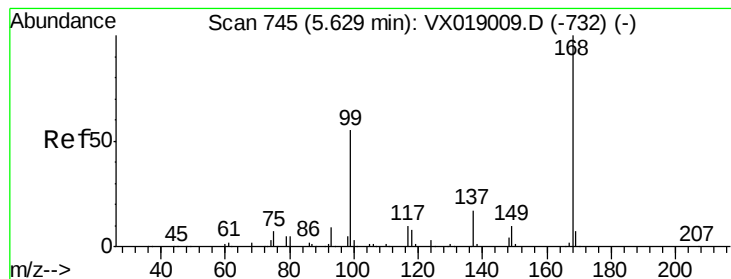
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

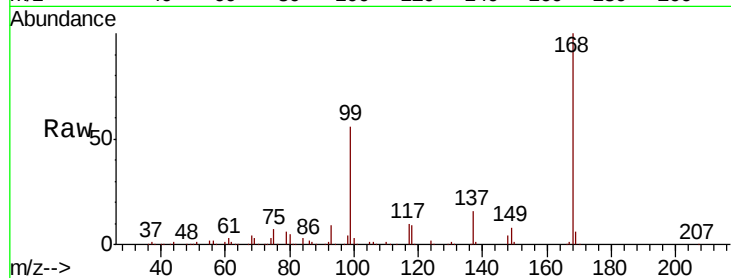
MW-6D

Tot Ion:168 Resp: 263011

Ion Ratio Lower Upper

168 100

99 55.8 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

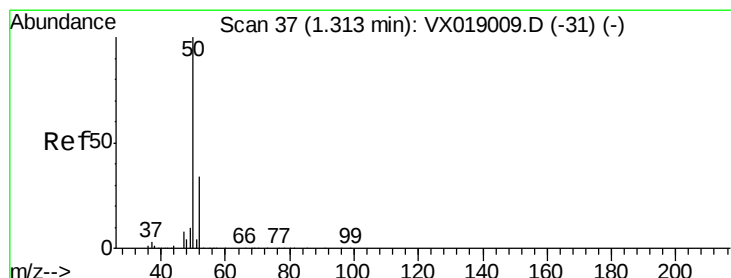
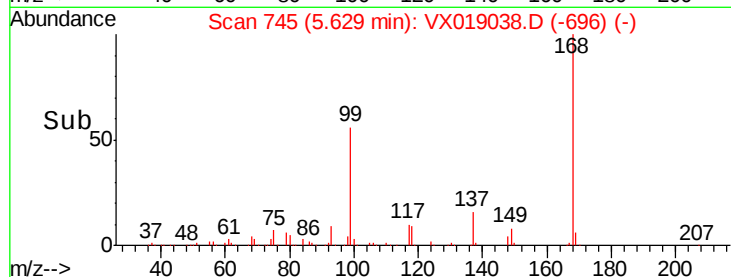
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019038.D

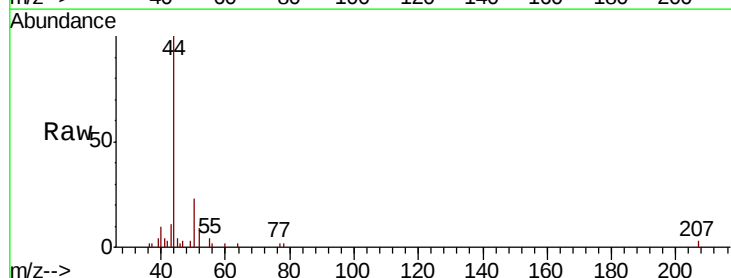
Acq: 22 Oct 2020 19:22

Tgt Ion: 50 Resp: 832

Ion Ratio Lower Upper

50 100

52 38.2 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

800

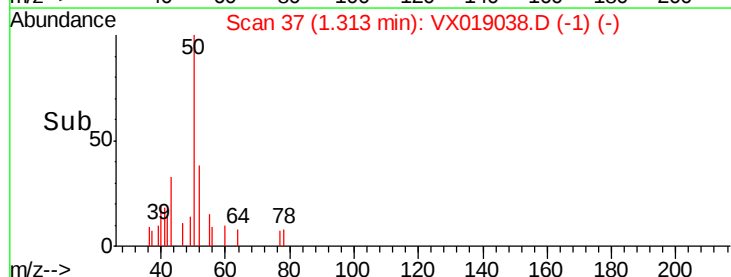
600

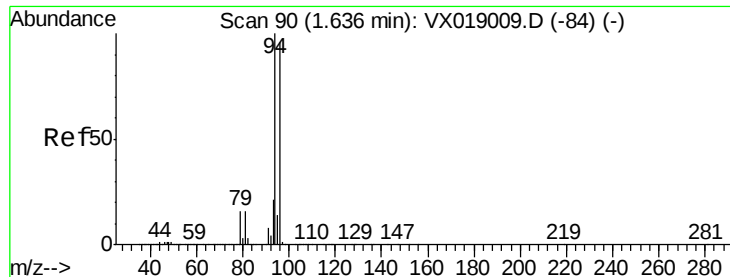
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampled :

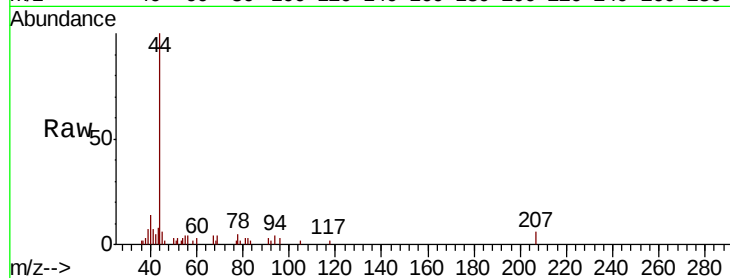
MW-6D

Tot Ion: 94 Resp: 207

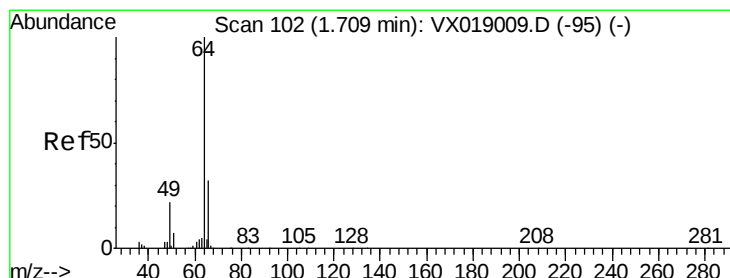
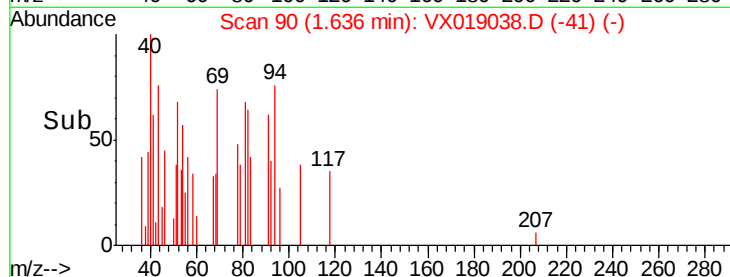
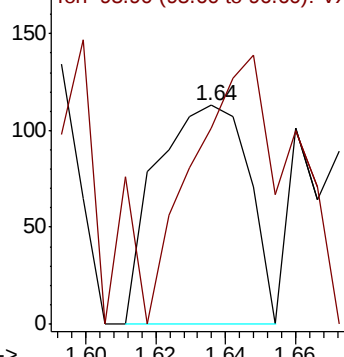
Ion Ratio Lower Upper

94 100

96 30.1 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 1.292 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019038.D

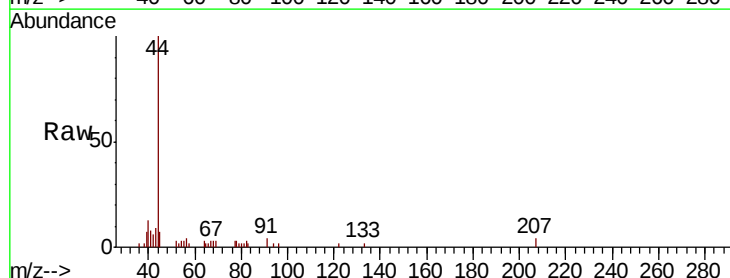
Acq: 22 Oct 2020 19:22

Tgt Ion: 64 Resp: 50

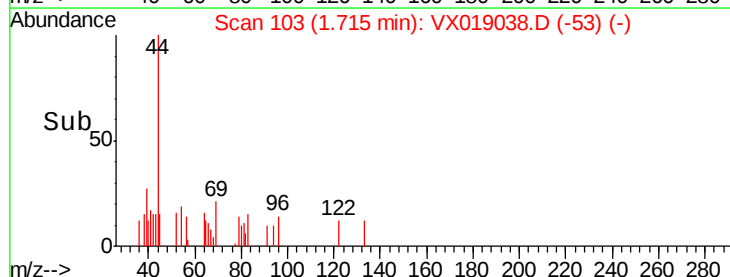
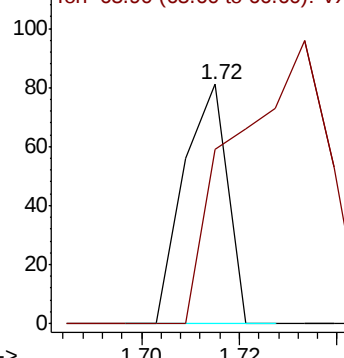
Ion Ratio Lower Upper

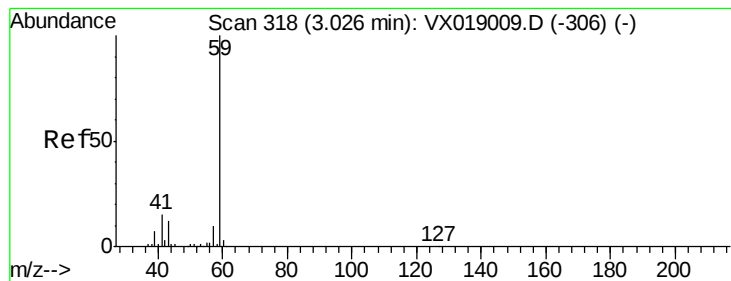
64 100

66 72.8 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0



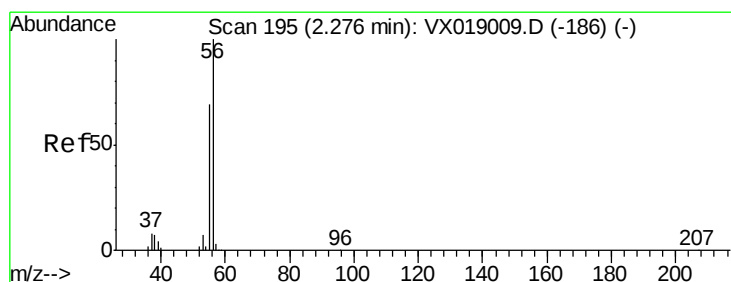
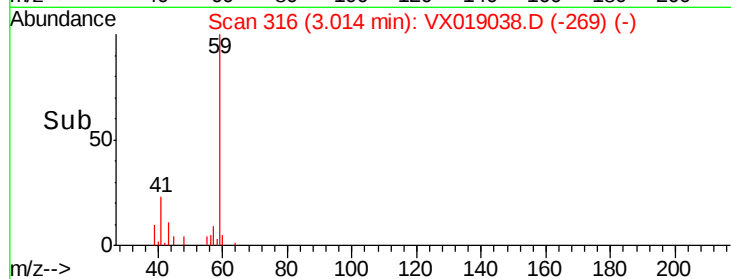
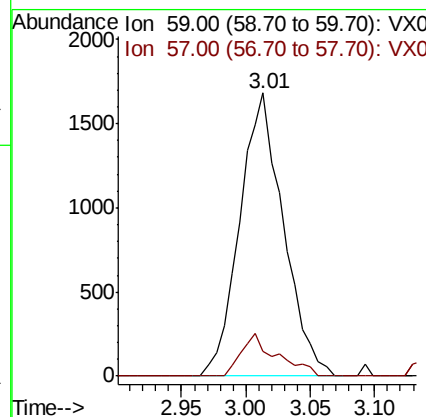
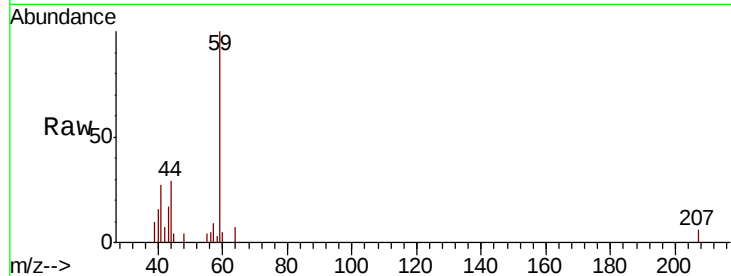


#11

Tert butyl alcohol
 Concen: 6.203 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX019038.D
 Acq: 22 Oct 2020 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6D

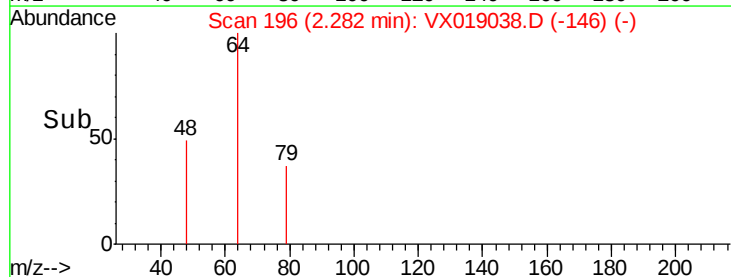
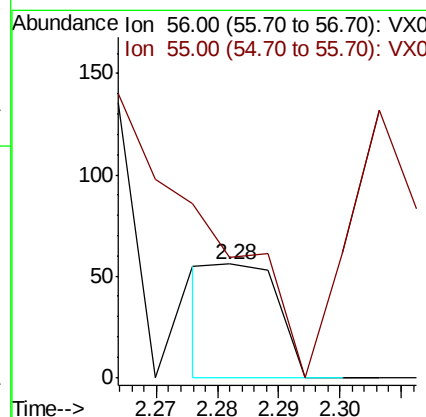
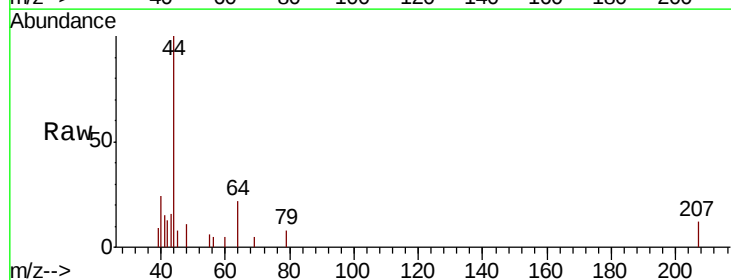
Tot Ion: 59 Resp: 3958
 Ion Ratio Lower Upper
 59 100
 57 12.3 8.2 12.2#

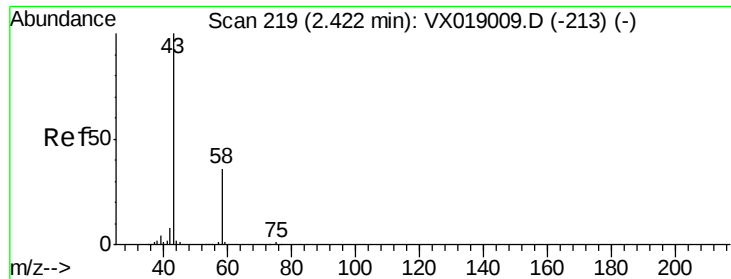


#13

Acrolein
 Concen: 13.782 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019038.D
 Acq: 22 Oct 2020 19:22

Tgt Ion: 56 Resp: 40
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.2 81.4#





#16

Acetone

Concen: 3.537 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampled :

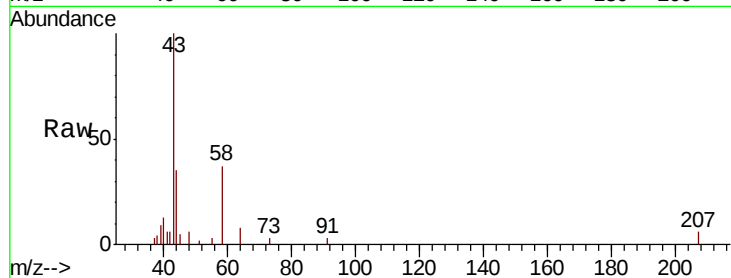
MW-6D

Tot Ion: 43 Resp: 3795

Ion Ratio Lower Upper

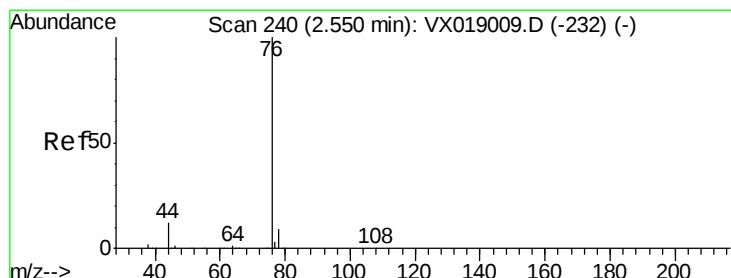
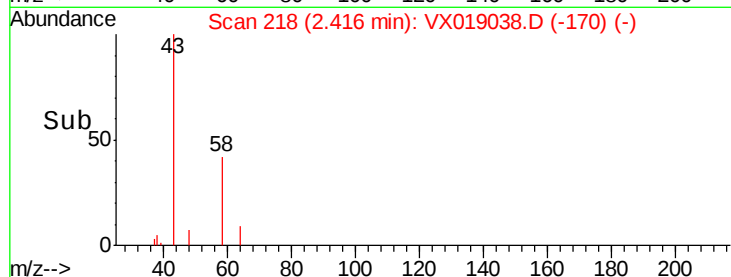
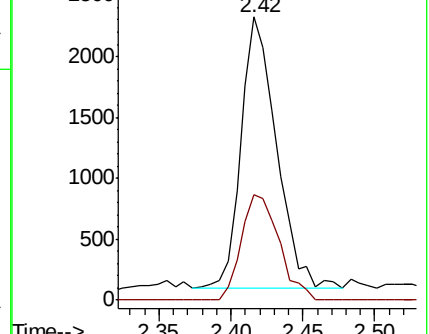
43 100

58 39.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.861 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019038.D

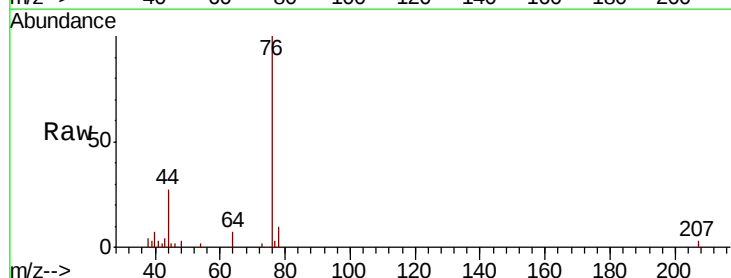
Acq: 22 Oct 2020 19:22

Tgt Ion: 76 Resp: 6358

Ion Ratio Lower Upper

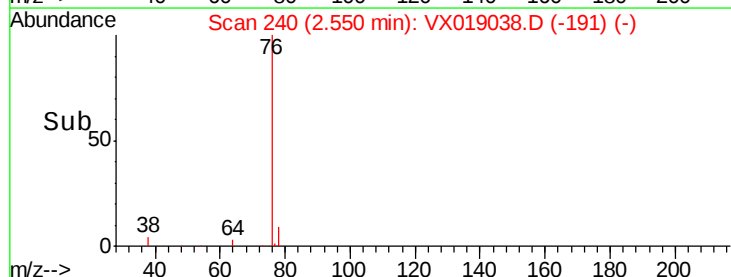
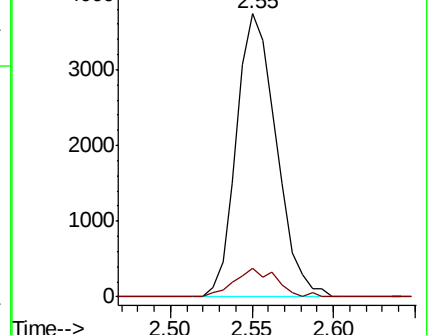
76 100

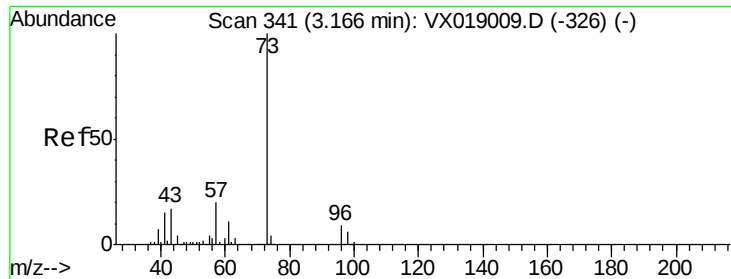
78 10.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

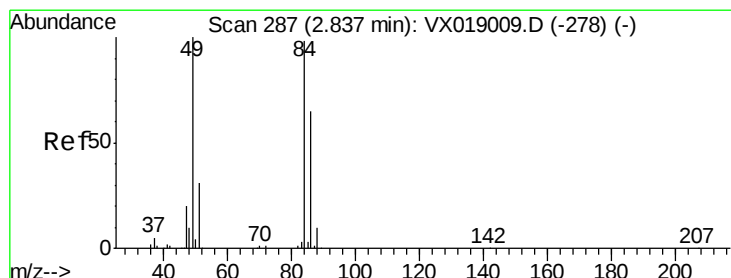
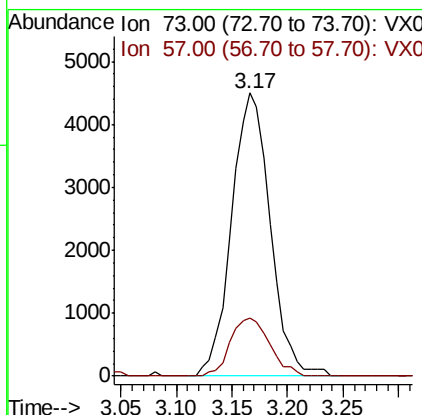
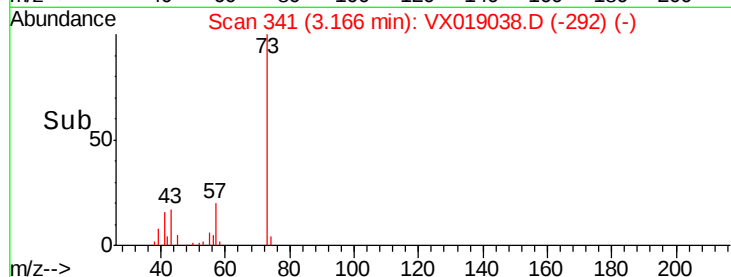
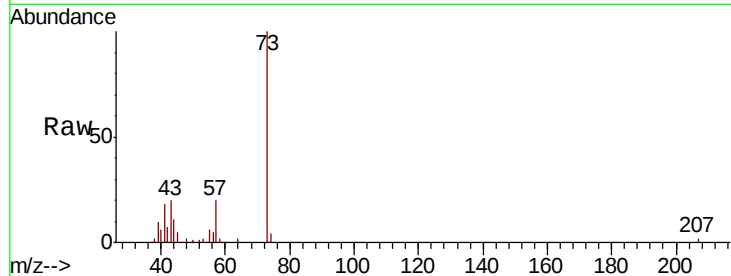




#19
Methvl tert-butvl Ether
Concen: 1.337 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019038.D
Acq: 22 Oct 2020 19:22

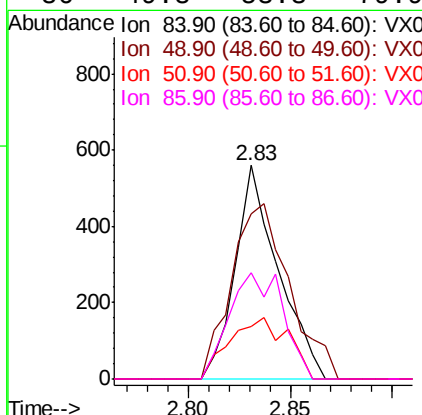
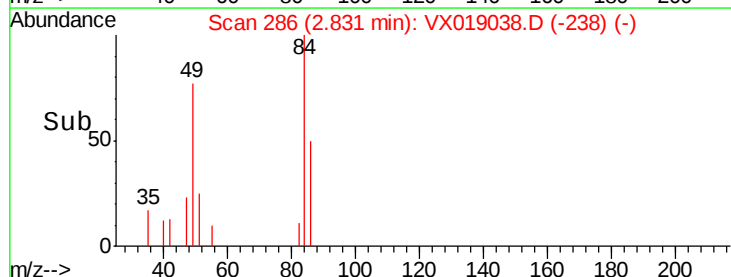
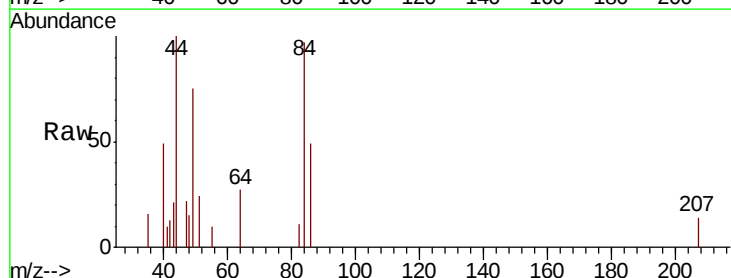
Instrument :
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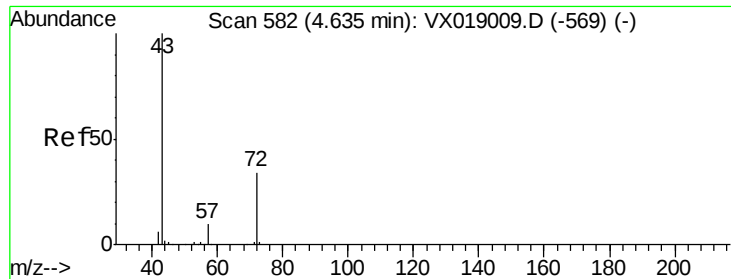
Tot Ion: 73 Resp: 10845
Ion Ratio Lower Upper
73 100
57 20.3 16.2 24.2



#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019038.D
Acq: 22 Oct 2020 19:22

Tgt Ion: 84 Resp: 820
Ion Ratio Lower Upper
84 100
49 77.1 81.6 122.4#
51 24.6 25.6 38.4#
86 49.8 53.3 79.9#

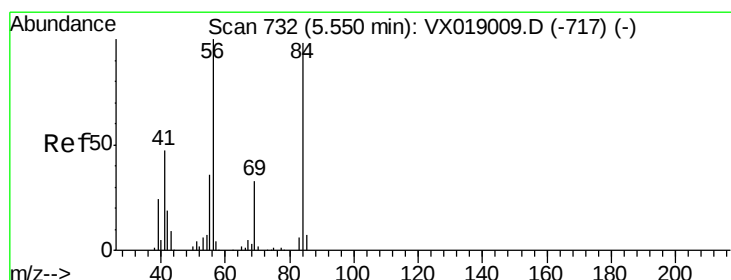
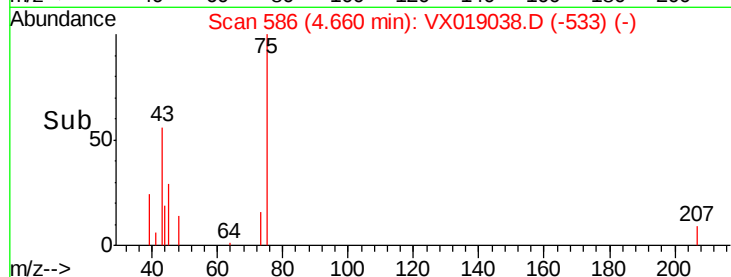
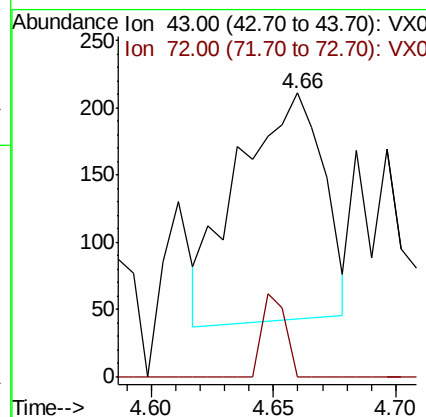
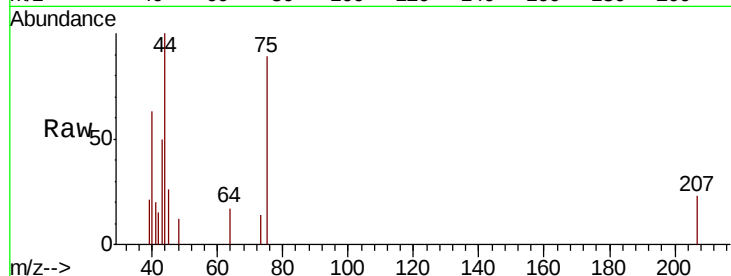




#25
2-Butanone
Concen: 0.242 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX019038.D
Acq: 22 Oct 2020 19:22

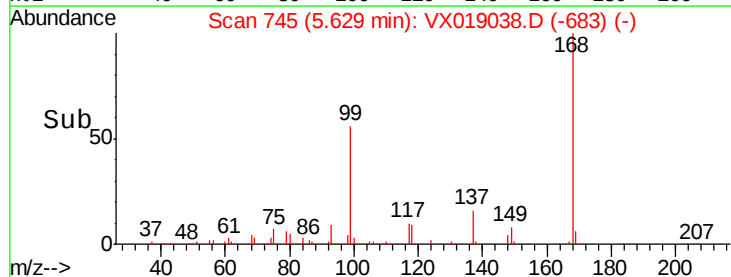
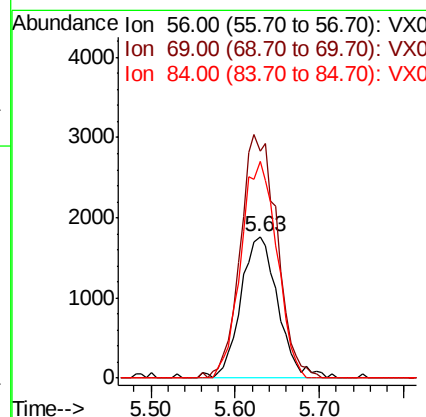
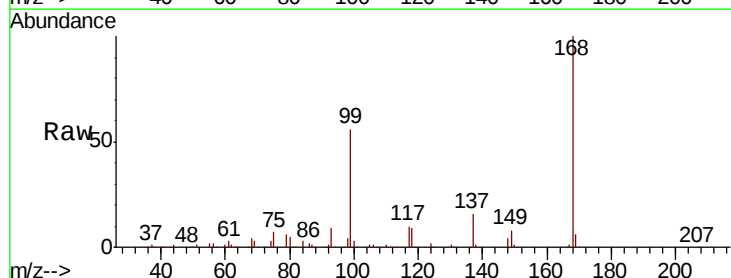
Instrument :
MSVOA_X
ClientSampleId :
MW-6D

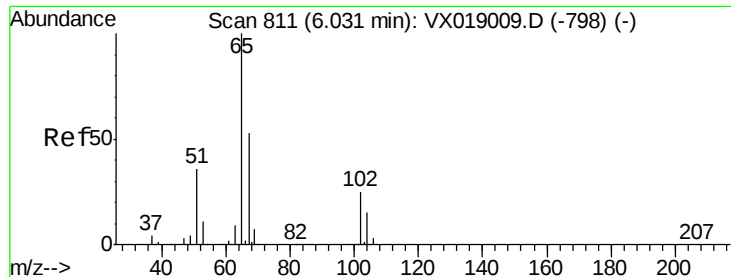
Tot Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
72 0.0 27.8 41.6#



#31
Cyclohexane
Concen: 1.437 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019038.D
Acq: 22 Oct 2020 19:22

Tgt Ion: 56 Resp: 5300
Ion Ratio Lower Upper
56 100
69 160.5 26.2 39.2#
84 153.3 78.3 117.5#





#33

1,2-Dichloroethane-d4

Concen: 51.441 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

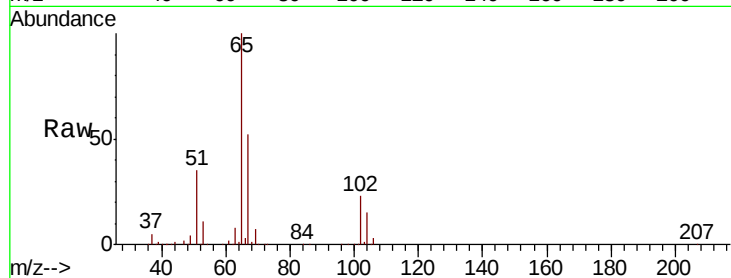
MW-6D

Tot Ion: 65 Resp: 162063

Ion Ratio Lower Upper

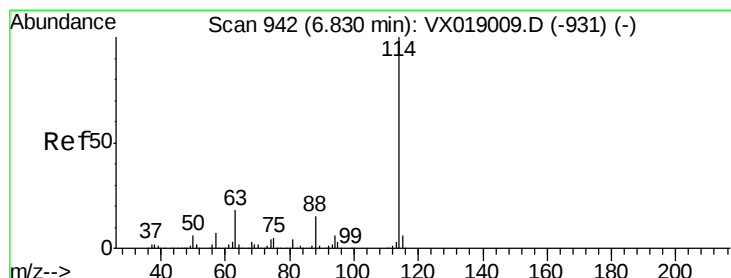
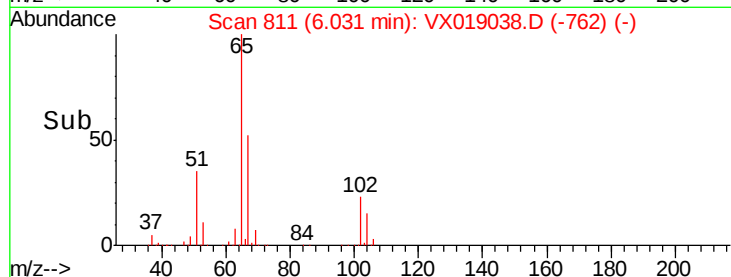
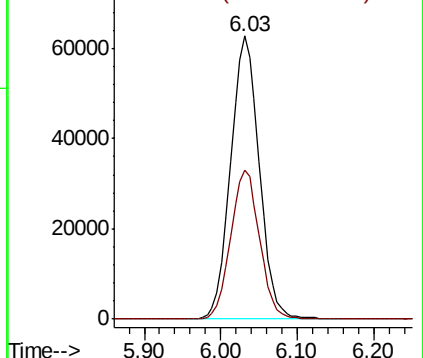
65 100

67 53.2 0.0 107.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

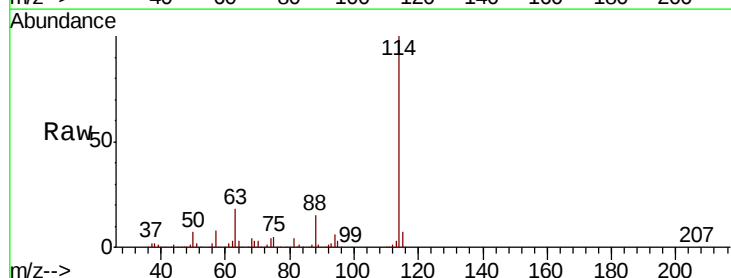
Tgt Ion: 114 Resp: 457257

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

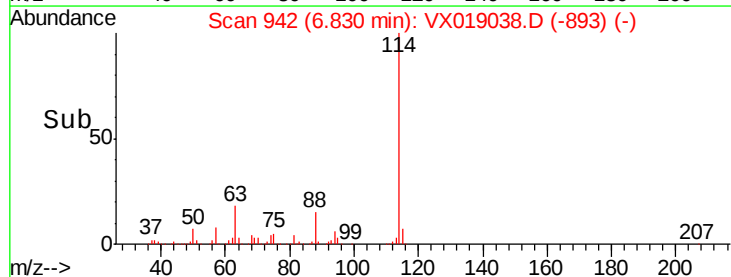
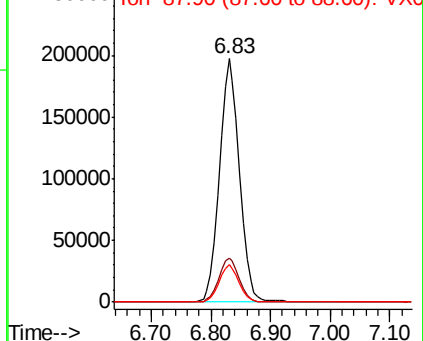
88 15.2 0.0 30.2

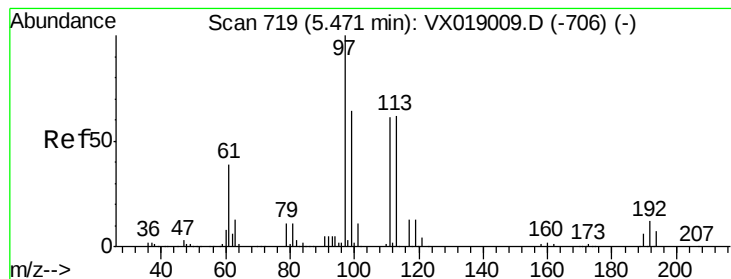


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.217 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

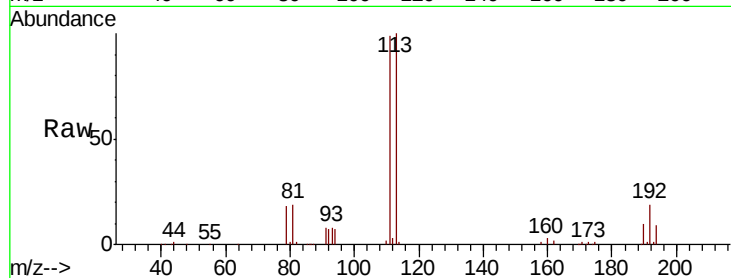
Tot Ion:113 Resp: 142486

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

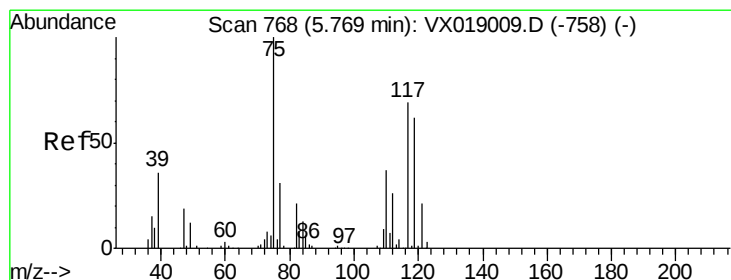
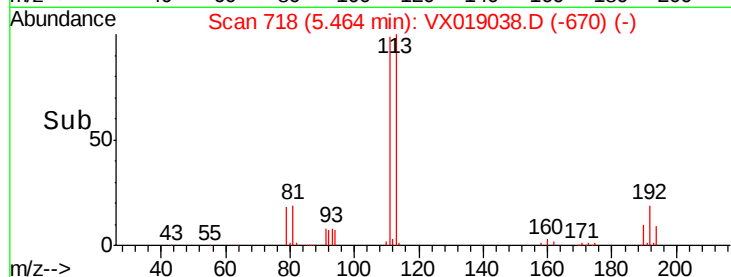
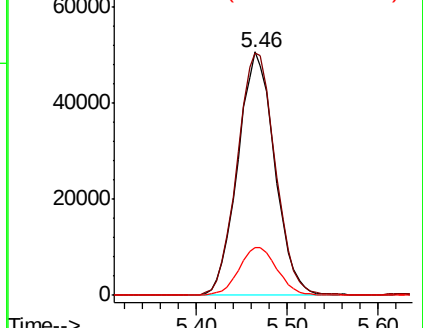
192 20.1 16.3 24.5



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: 4.633 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

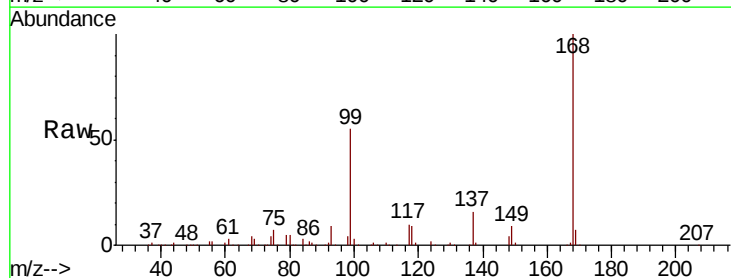
Tgt Ion: 75 Resp: 19011

Ion Ratio Lower Upper

75 100

110 9.9 19.4 58.2#

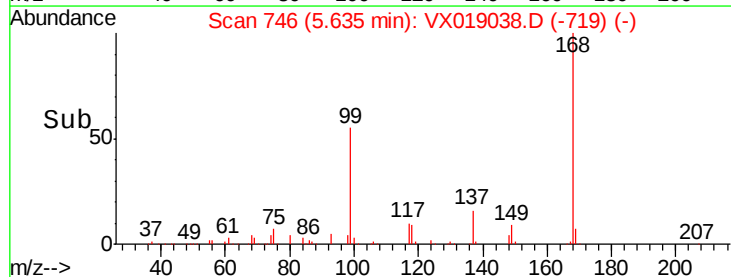
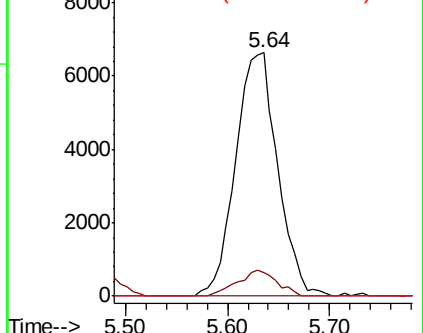
77 0.0 25.2 37.8#

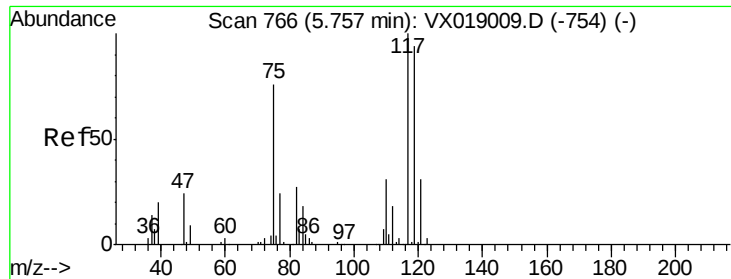


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampled :

MW-6D

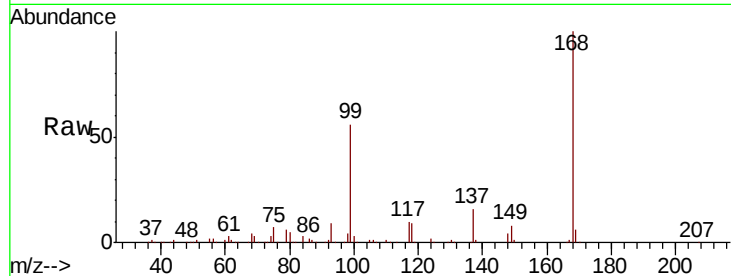
Tot Ion:117 Resp: 25936

Ion Ratio Lower Upper

117 100

119 4.4 75.4 113.0#

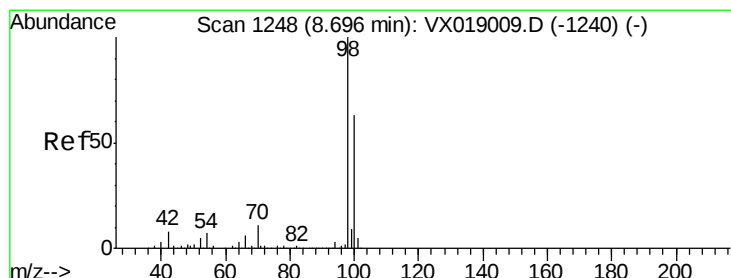
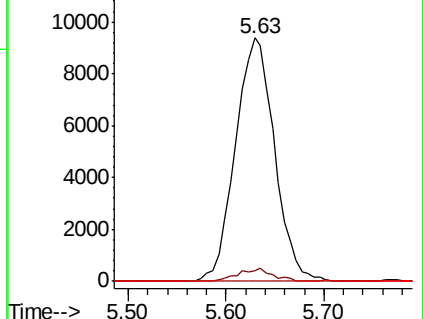
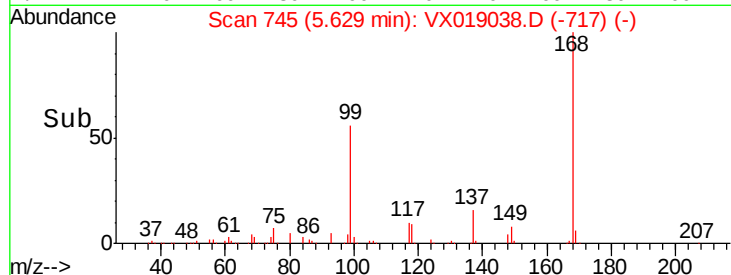
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 51.304 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019038.D

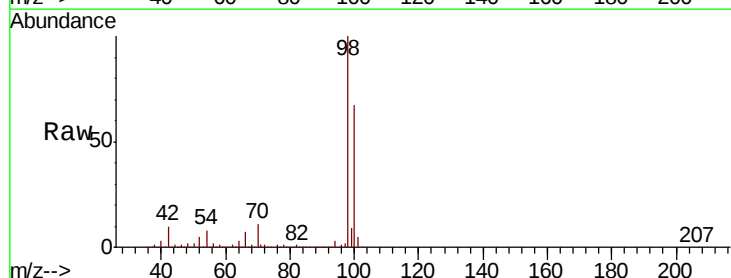
Acq: 22 Oct 2020 19:22

Tgt Ion: 98 Resp: 566780

Ion Ratio Lower Upper

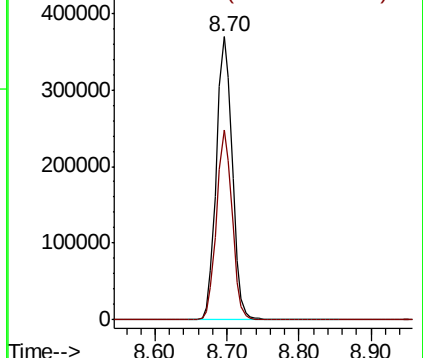
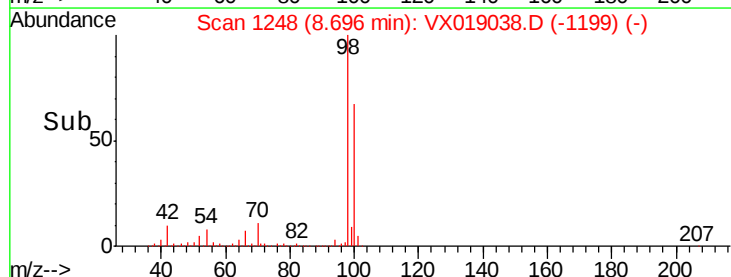
98 100

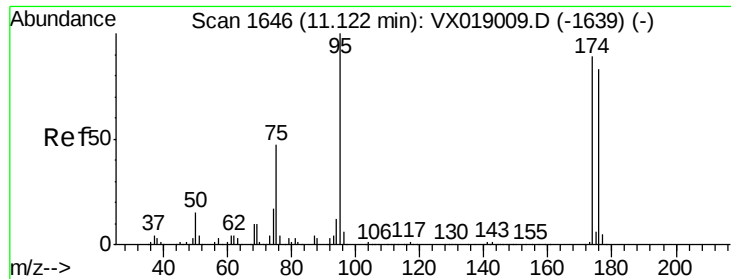
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.067 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampled :

MW-6D

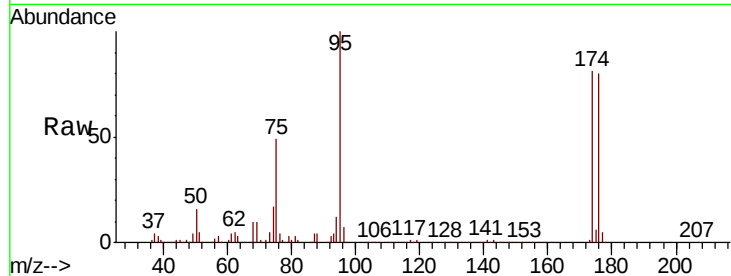
Tot Ion: 95 Resp: 208534

Ion Ratio Lower Upper

95 100

174 83.1 0.0 167.6

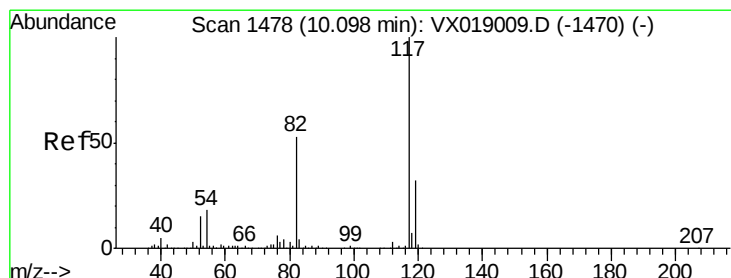
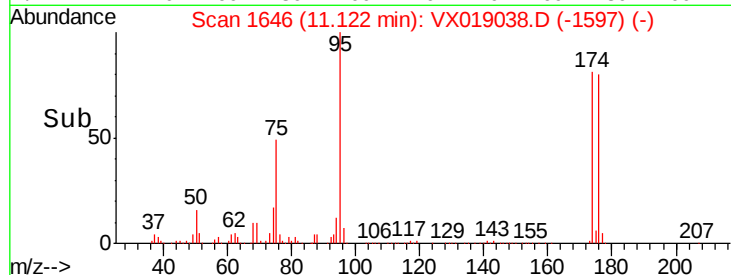
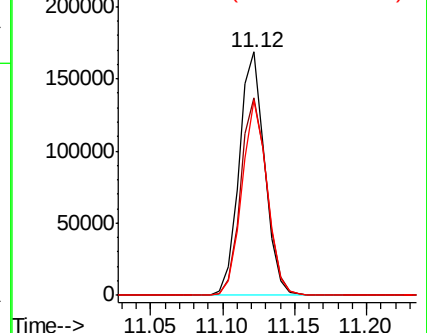
176 79.4 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

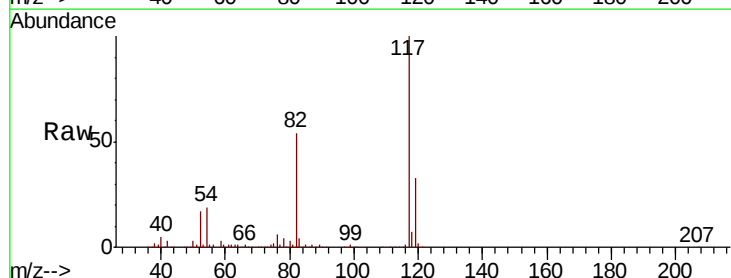
Tgt Ion: 117 Resp: 439499

Ion Ratio Lower Upper

117 100

82 53.7 42.4 63.6

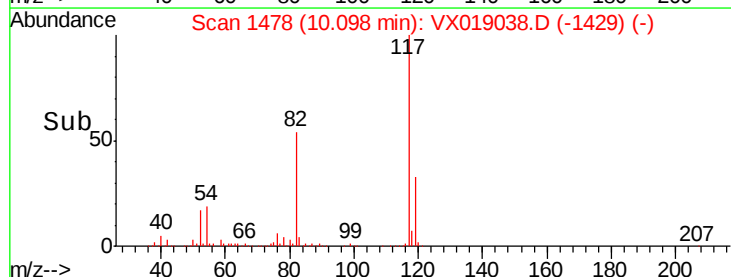
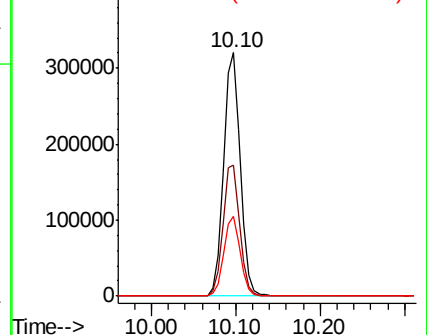
119 33.0 25.6 38.4

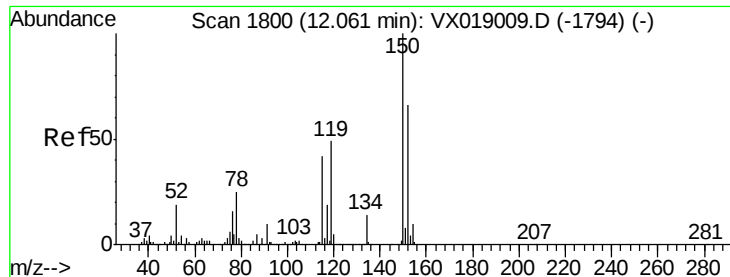


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

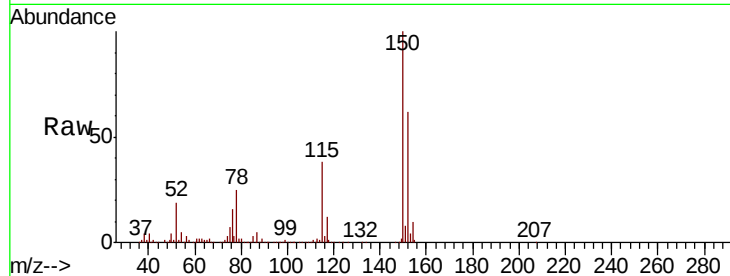
Tot Ion:152 Resp: 226090

Ion Ratio Lower Upper

152 100

115 58.9 40.8 122.5

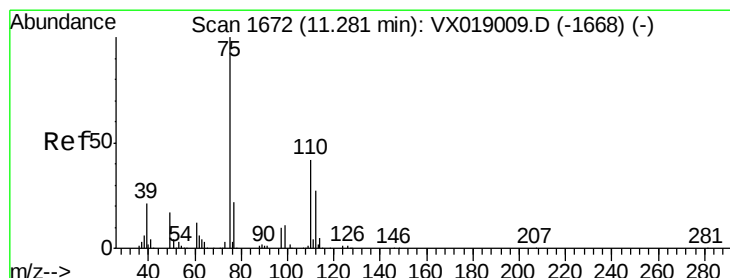
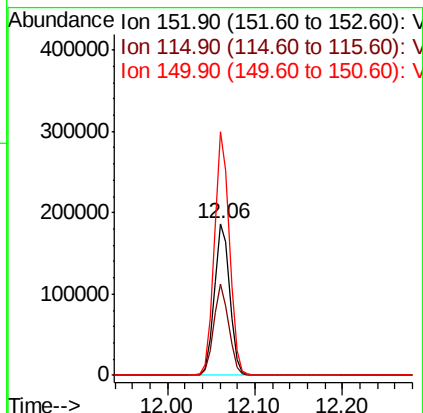
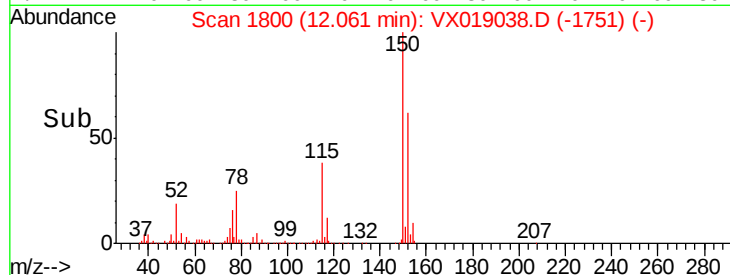
150 157.8 0.0 345.6



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: 23.508 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019038.D

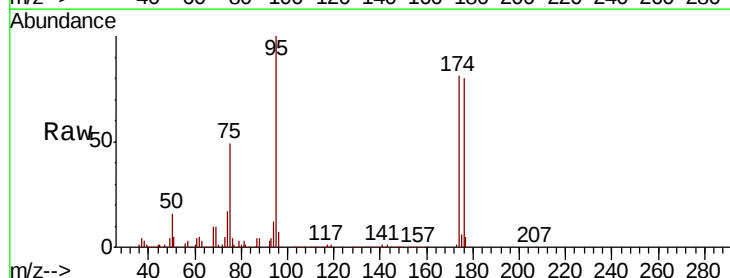
Acq: 22 Oct 2020 19:22

Tgt Ion: 75 Resp: 106232

Ion Ratio Lower Upper

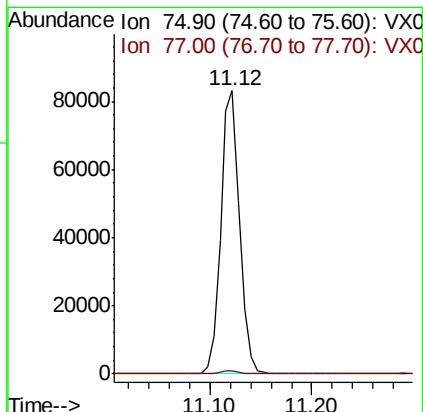
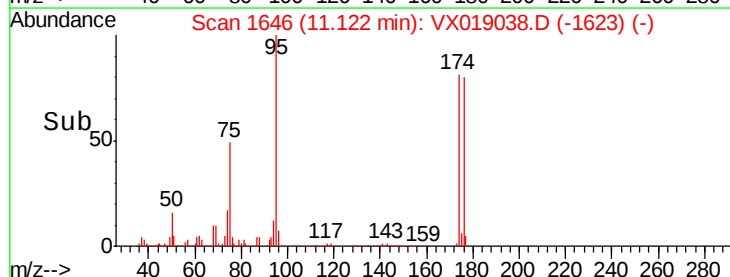
75 100

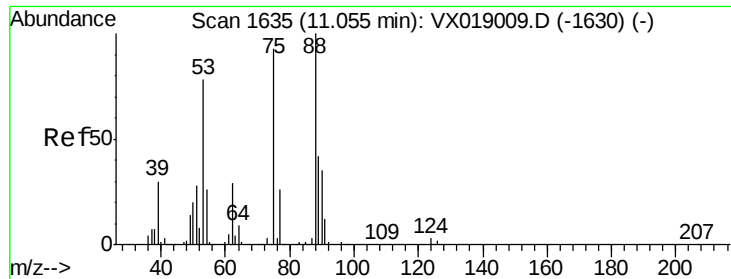
77 1.3 20.7 62.1#



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: 59.894 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019038.D

Acq: 22 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

Tot Ion: 75 Resp: 106232

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

