

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019037.D
 Acq On : 22 Oct 2020 18:59
 Operator : JC/SP
 Sample : L4417-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Oct 23 08:34:35 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	264028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	459376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225080	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	161304	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	5.46	113	143360	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.70	98	572647	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.12	95	206875	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

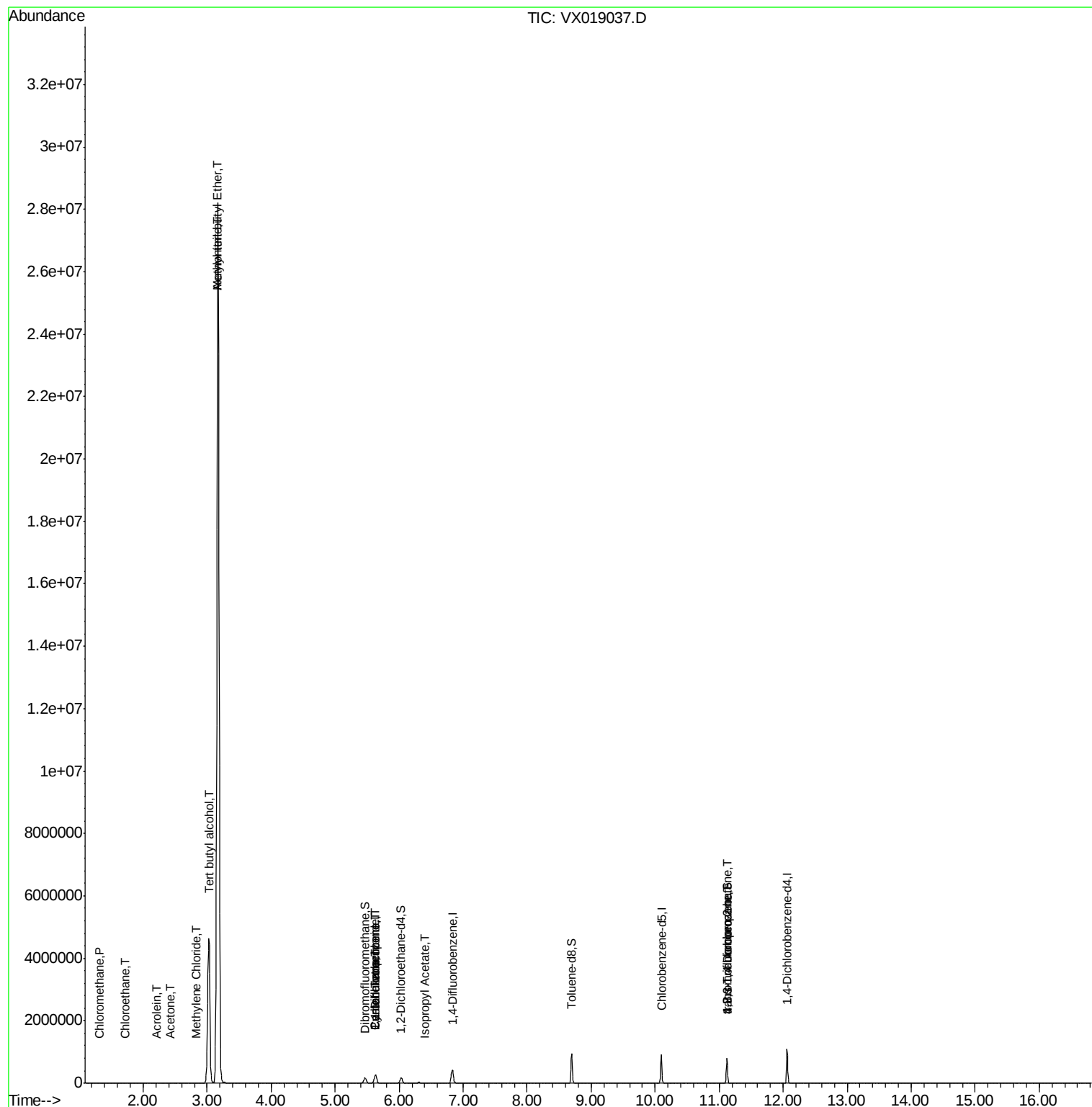
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	835	0.319	ug/l	95
5) Bromomethane	1.64	94	198	Below Cal		87
6) Chloroethane	1.71	64	26	1.283	ug/l #	43
11) Tert butyl alcohol	3.03	59	6763531	10559.183	ug/l	99
13) Acrolein	2.20	56	134	14.150	ug/l	93
15) Acrylonitrile	3.17	53	370156	298.842	ug/l #	29
16) Acetone	2.42	43	3088	2.867	ug/l	98
19) Methyl tert-butyl Ether	3.16	73	26286831	3229.191	ug/l #	64
20) Methylene Chloride	2.83	84	710	0.237	ug/l #	83
31) Cyclohexane	5.62	56	5179	1.398	ug/l #	5
36) 1,1-Dichloropropene	5.62	75	19425	4.713	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25759	5.954	ug/l #	16
43) Isopropyl Acetate	6.40	43	2343	0.393	ug/l #	4
76) 1,2,3-Trichloropropane	11.12	75	103894	23.094	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	103894	58.839	ug/l #	15

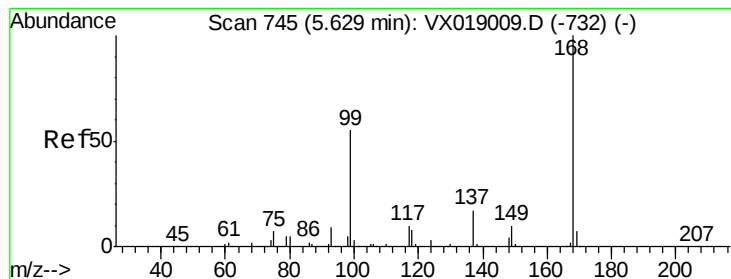
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 08:34:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
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: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

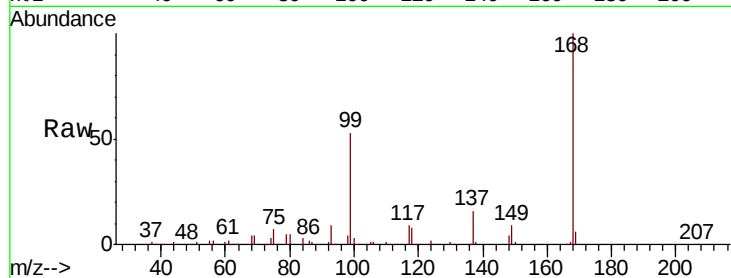
MW-6

Tot Ion:168 Resp: 264028

Ion Ratio Lower Upper

168 100

99 53.4 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

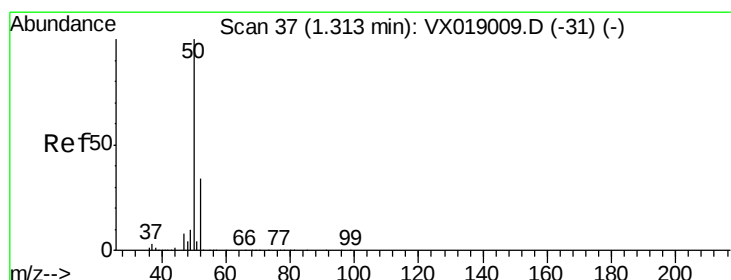
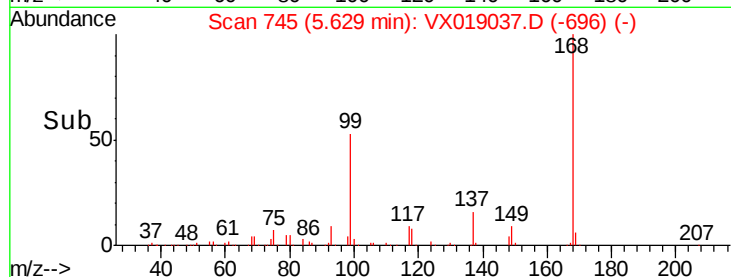
60000

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: VX019037.D

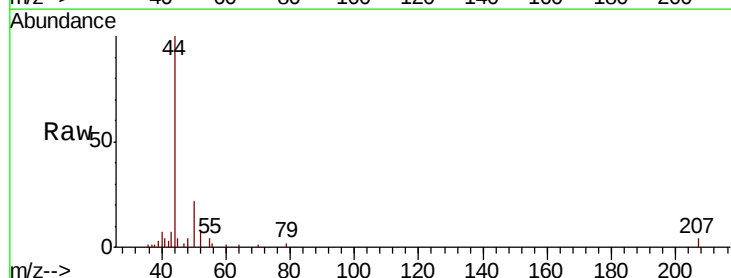
Acq: 22 Oct 2020 18:59

Tgt Ion: 50 Resp: 835

Ion Ratio Lower Upper

50 100

52 31.2 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

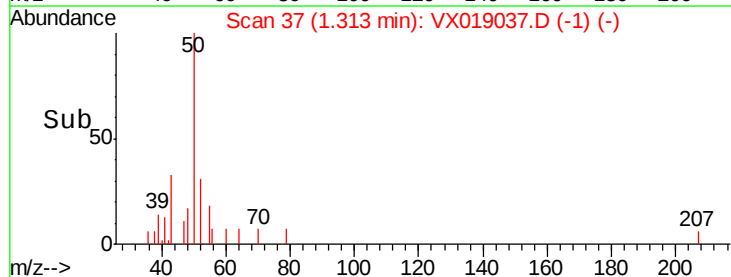
600

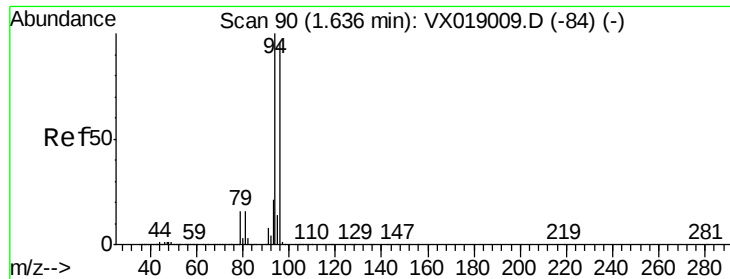
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

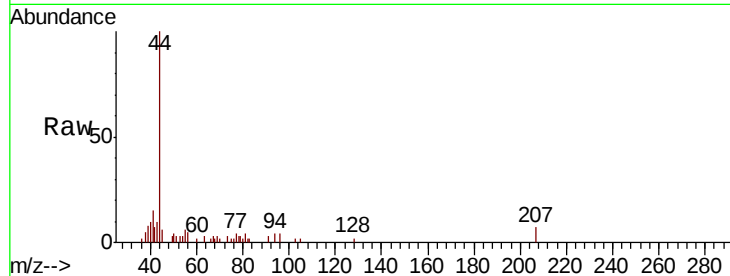
MW-6

Tot Ion: 94 Resp: 198

Ion Ratio Lower Upper

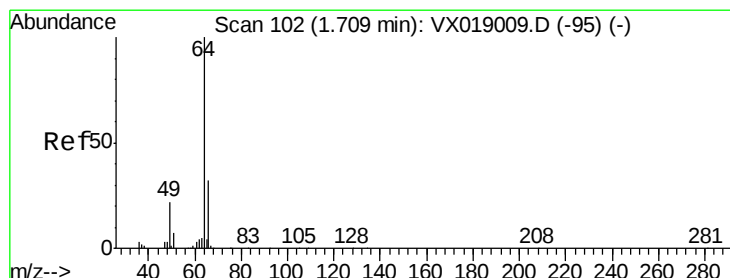
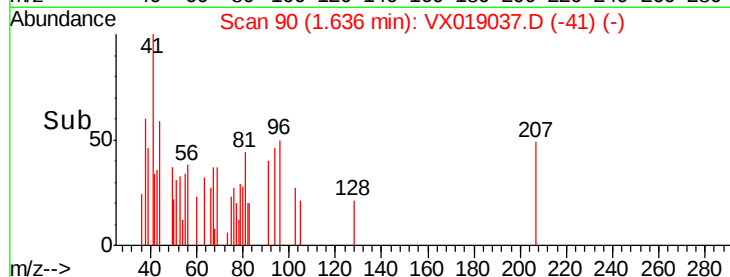
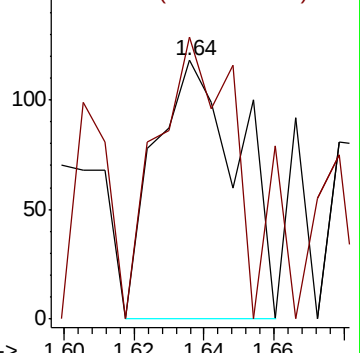
94 100

96 109.3 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.283 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX019037.D

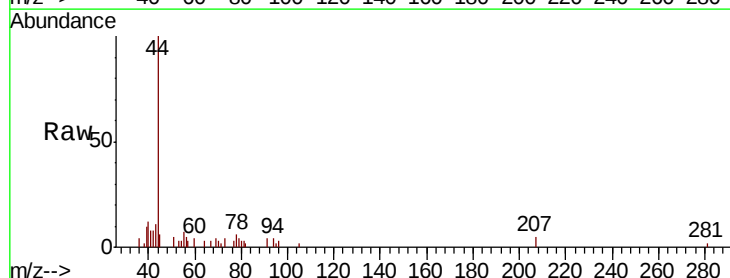
Acq: 22 Oct 2020 18:59

Tgt Ion: 64 Resp: 26

Ion Ratio Lower Upper

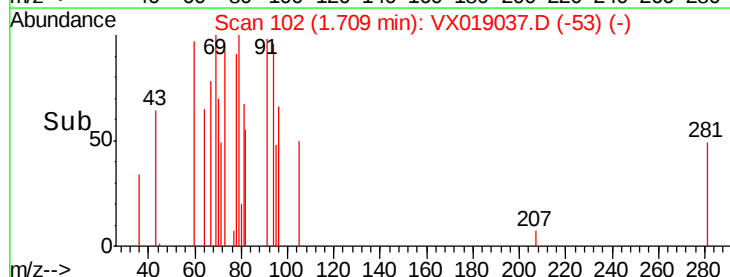
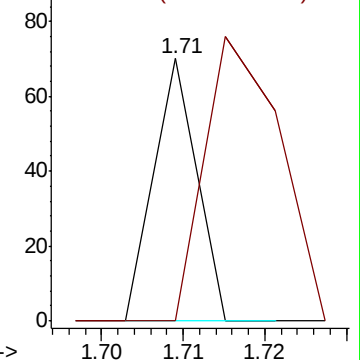
64 100

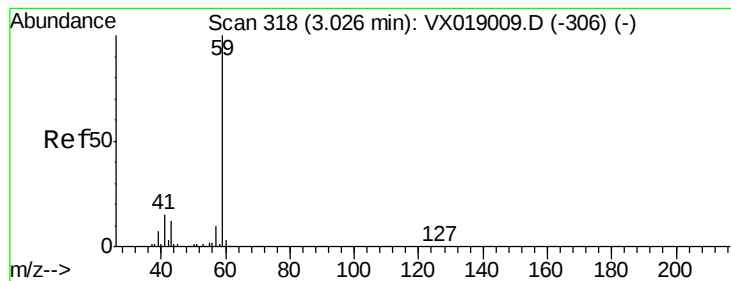
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





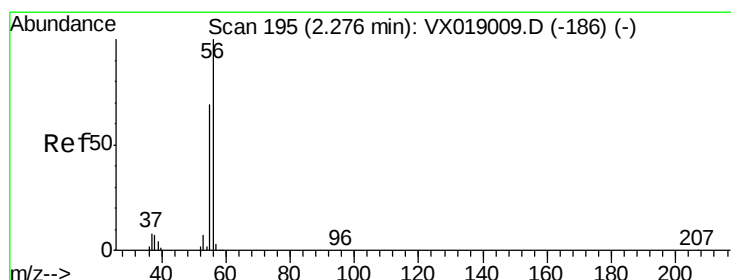
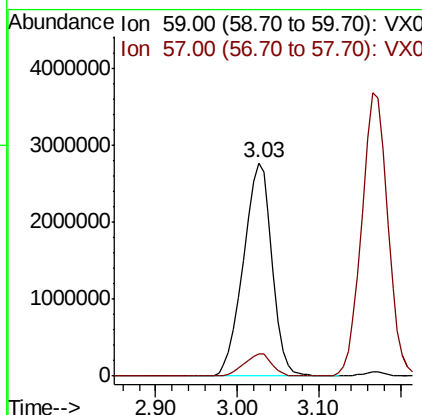
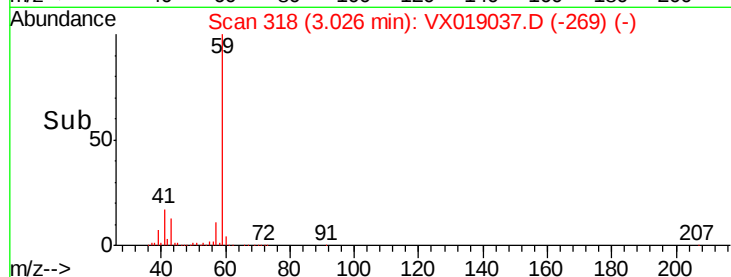
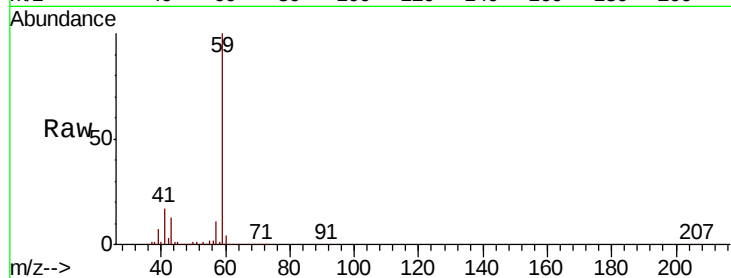
#11

Tert butyl alcohol
 Concen: 10559.183 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VX019037.D
 Acq: 22 Oct 2020 18:59

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Tot Ion: 59 Resp: 6763531

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

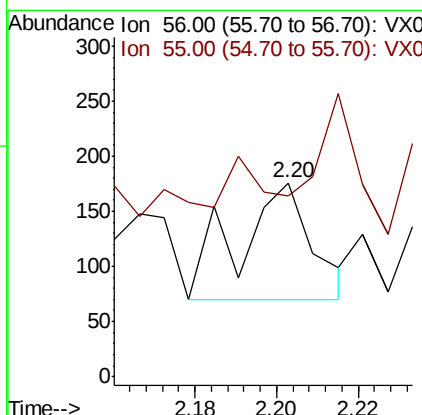
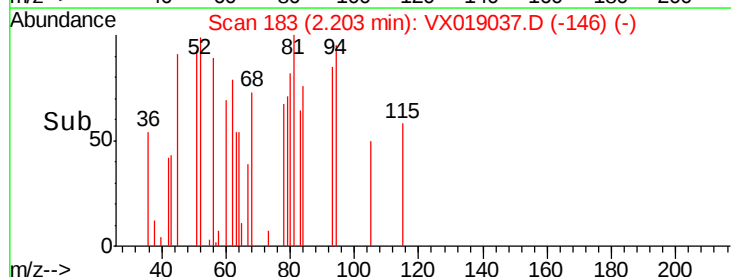
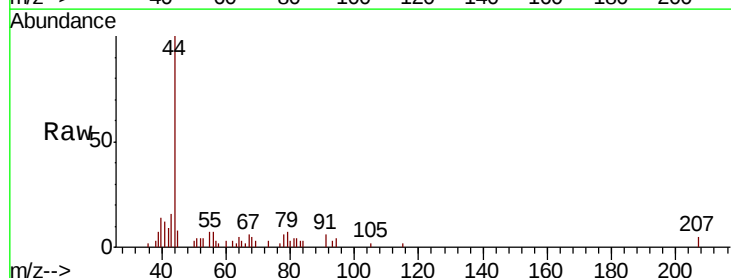


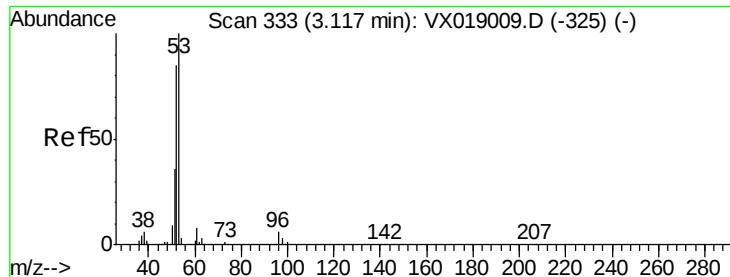
#13

Acrolein
 Concen: 14.150 ug/l
 RT: 2.20 min Scan# 183
 Delta R.T. -0.07 min
 Lab File: VX019037.D
 Acq: 22 Oct 2020 18:59

Tgt Ion: 56 Resp: 134

Ion	Ratio	Lower	Upper
56	100		
55	61.9	54.2	81.4





#15

Acrylonitrile

Concen: 298.842 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.05 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

MW-6

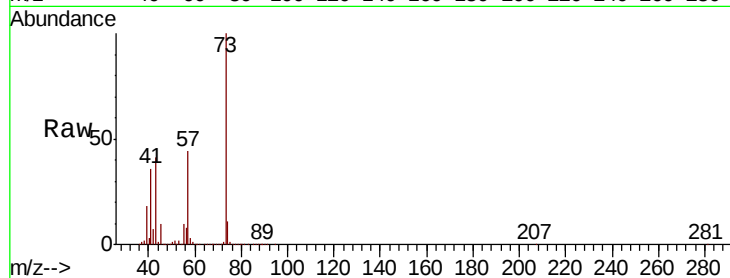
Tot Ion: 53 Resp: 370156

Ion Ratio Lower Upper

53 100

52 18.9 65.9 98.9#

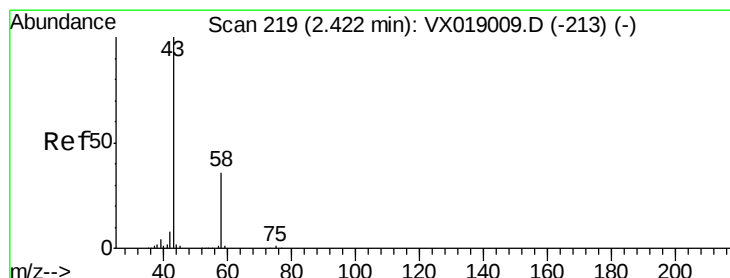
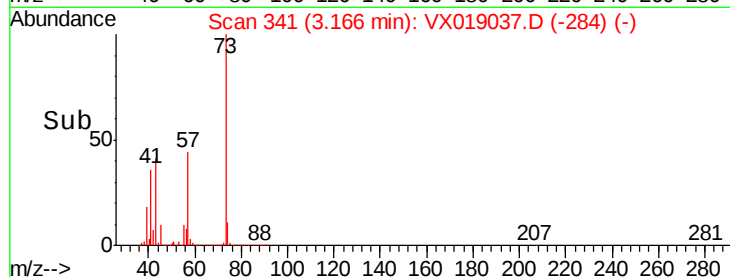
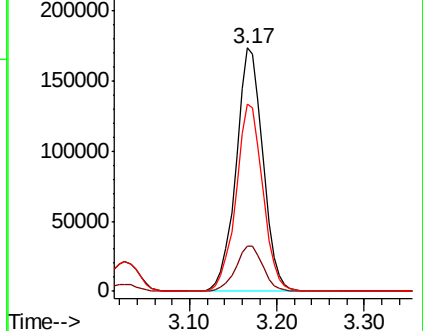
51 77.1 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.867 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019037.D

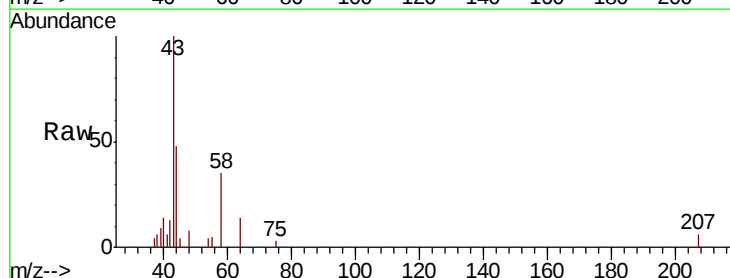
Acq: 22 Oct 2020 18:59

Tgt Ion: 43 Resp: 3088

Ion Ratio Lower Upper

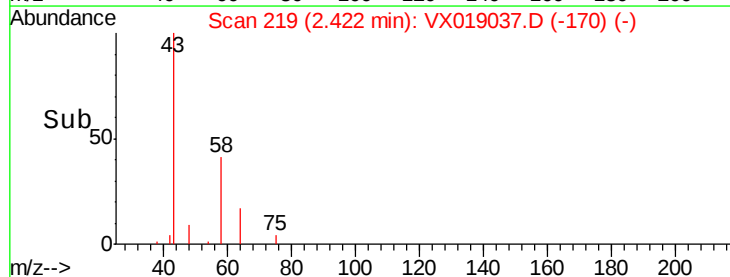
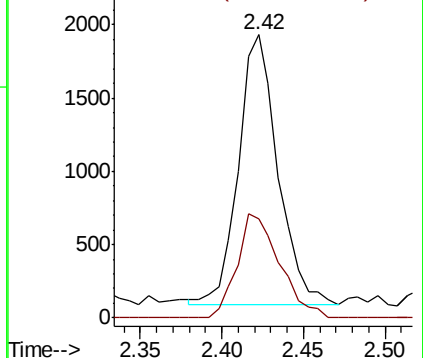
43 100

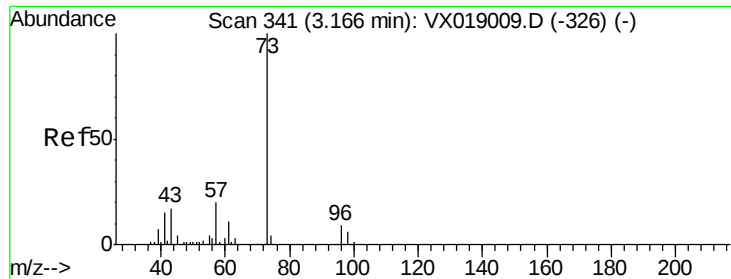
58 36.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

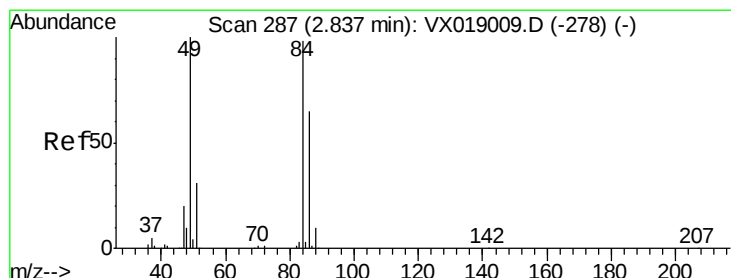
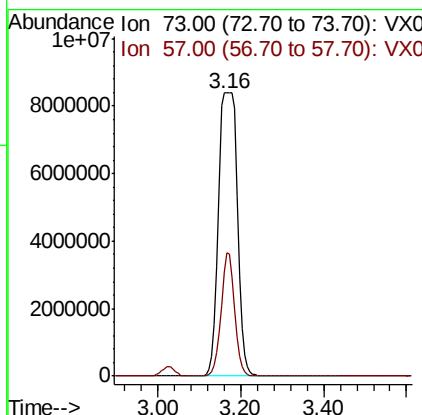
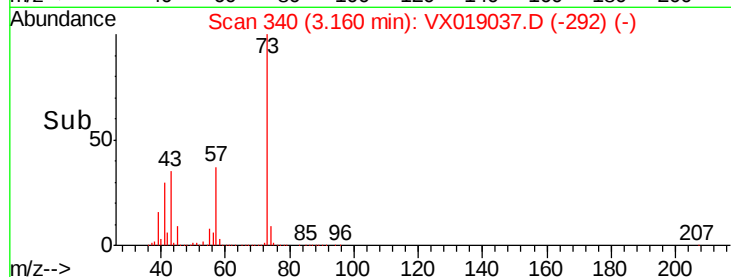
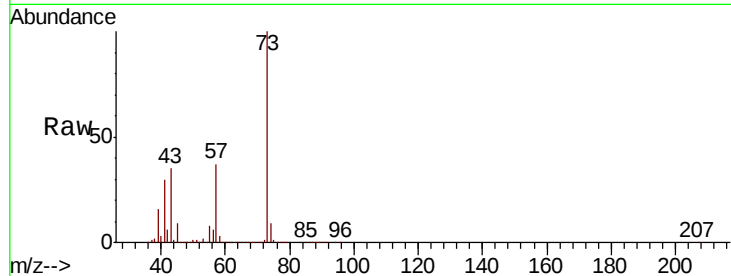




#19
Methvl tert-butvl Ether
Concen: 3229.191 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019037.D
Acq: 22 Oct 2020 18:59

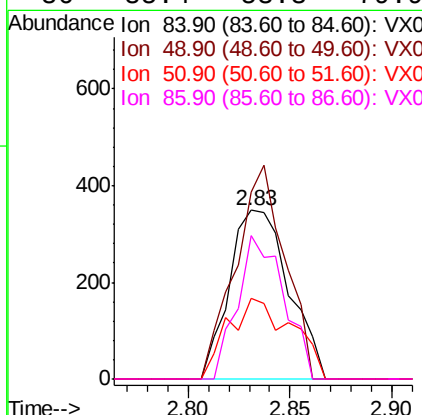
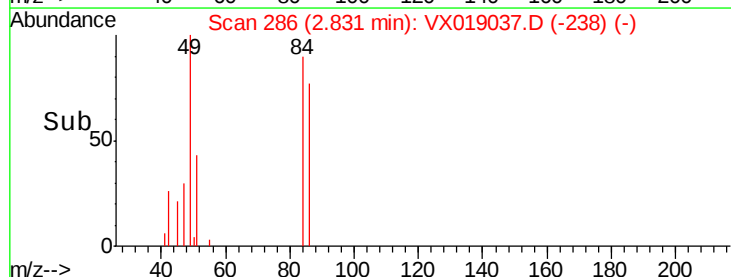
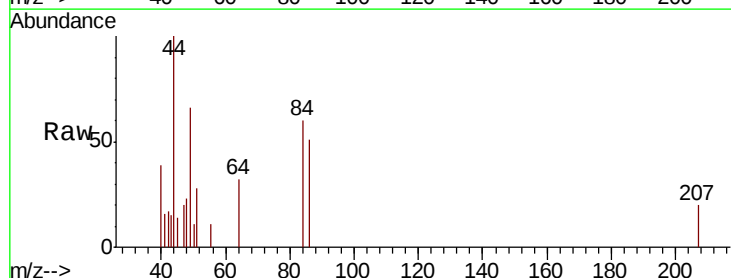
Instrument :
MSVOA_X
ClientSampleId :
MW-6

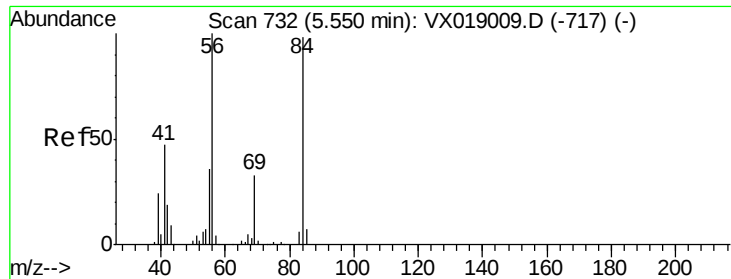
Tot Ion: 73 Resp: 26286831
Ion Ratio Lower Upper
73 100
57 36.7 16.2 24.2#



#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019037.D
Acq: 22 Oct 2020 18:59

Tgt Ion: 84 Resp: 710
Ion Ratio Lower Upper
84 100
49 111.2 81.6 122.4
51 47.6 25.6 38.4#
86 85.4 53.3 79.9#

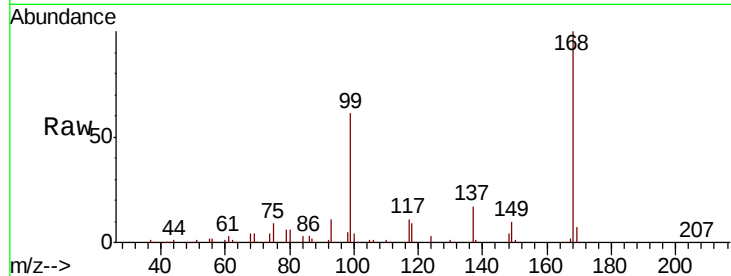




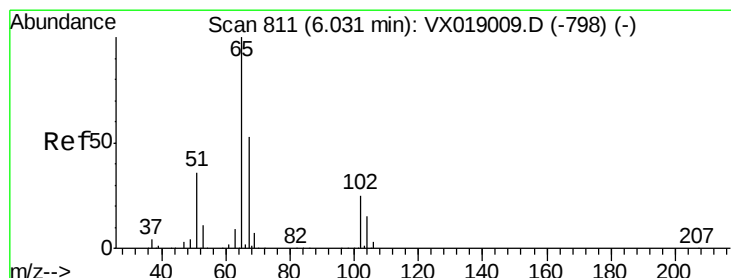
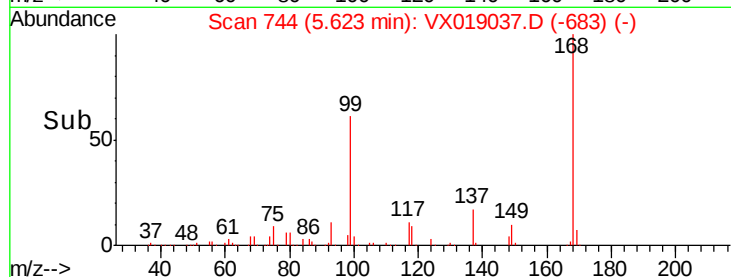
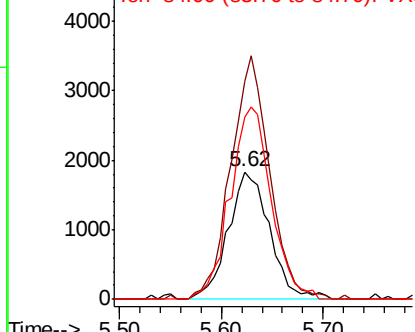
#31
Cyclohexane
Concen: 1.398 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019037.D
Acq: 22 Oct 2020 18:59

Instrument :
MSVOA_X
ClientSampled :
MW-6

Tot Ion: 56 Resp: 5179
Ion Ratio Lower Upper
56 100
69 170.7 26.2 39.2#
84 142.4 78.3 117.5#

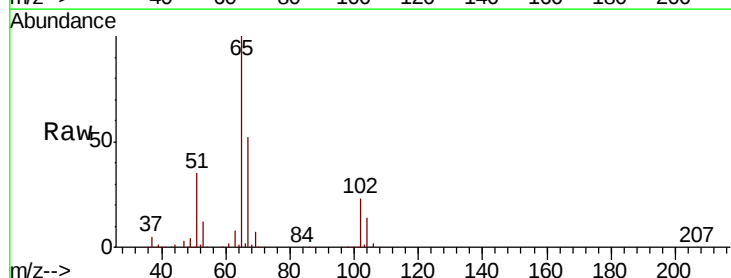


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

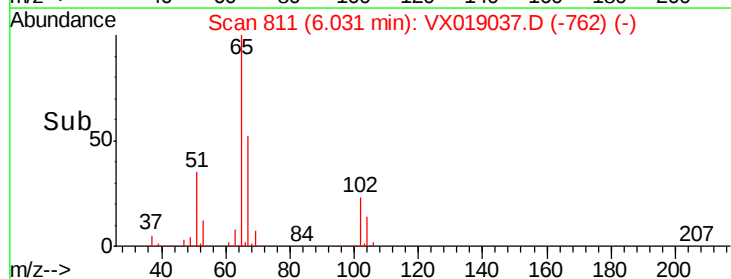
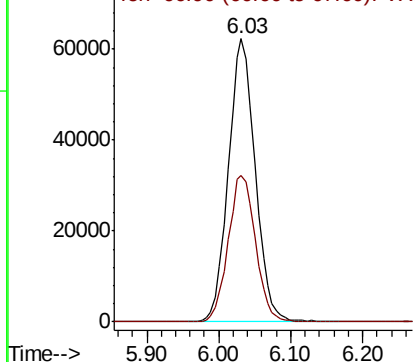


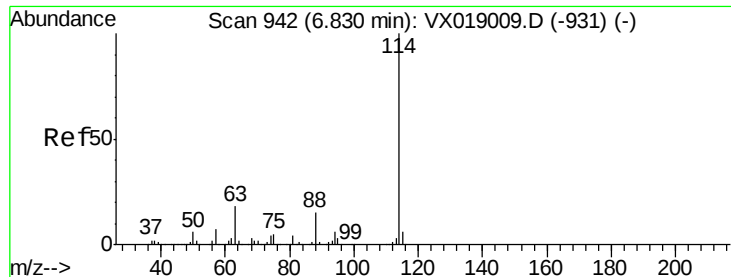
#33
1,2-Dichloroethane-d4
Concen: 51.003 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019037.D
Acq: 22 Oct 2020 18:59

Tgt Ion: 65 Resp: 161304
Ion Ratio Lower Upper
65 100
67 52.8 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: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

MW-6

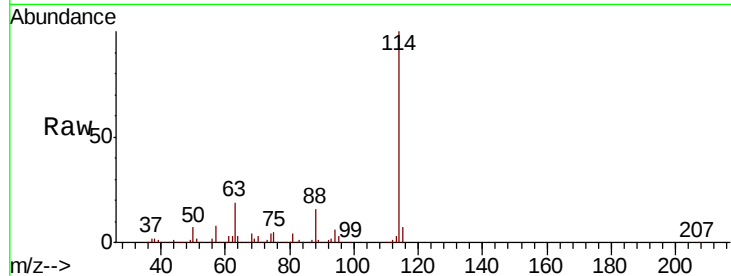
Tot Ion:114 Resp: 459376

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

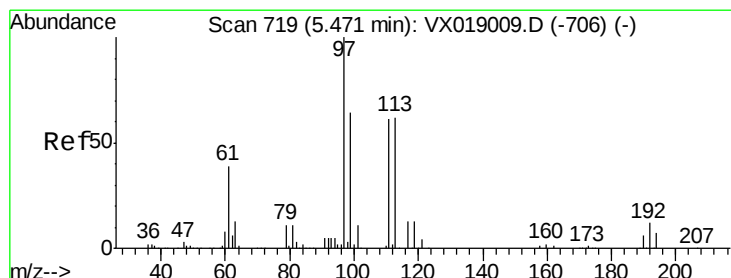
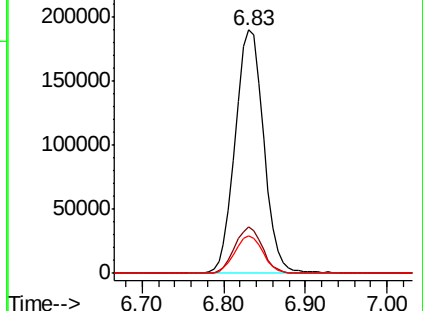
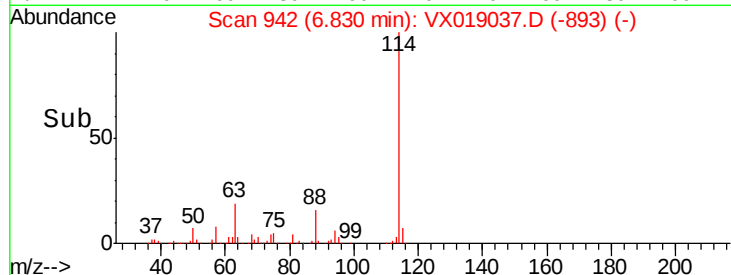
88 15.6 0.0 30.2



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: 49.291 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

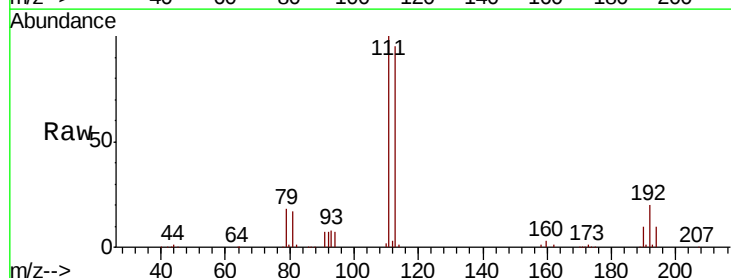
Tgt Ion:113 Resp: 143360

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

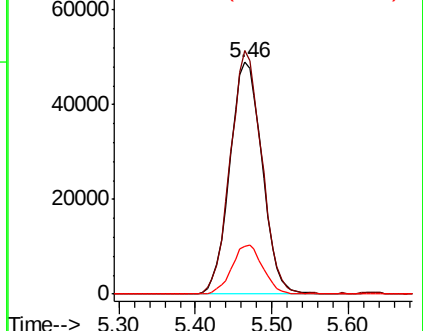
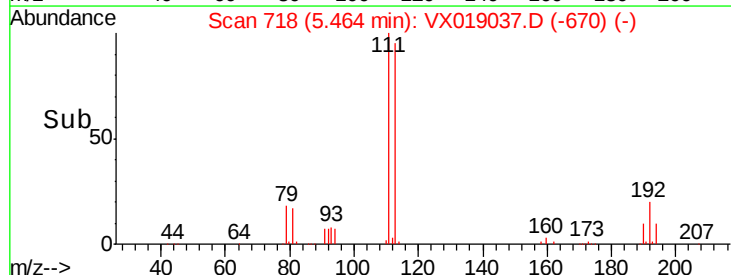
192 20.5 16.3 24.5

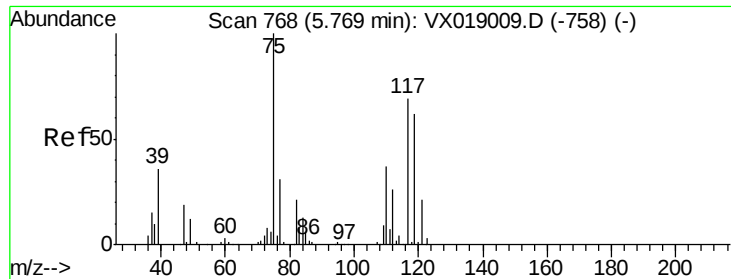


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

MW-6

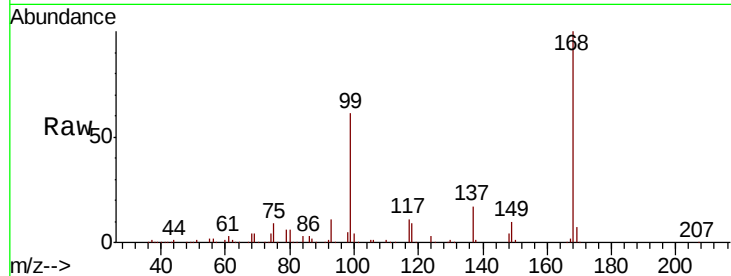
Tot Ion: 75 Resp: 19425

Ion Ratio Lower Upper

75 100

110 9.6 19.4 58.2#

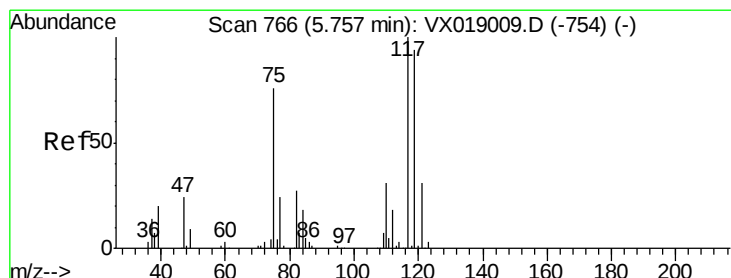
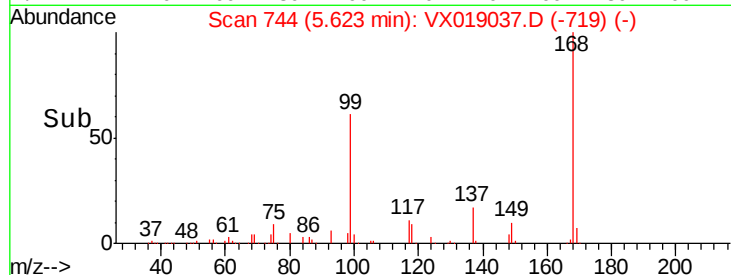
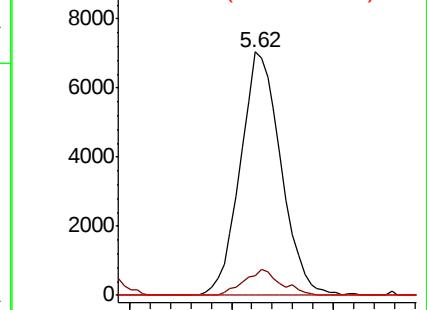
77 0.0 25.2 37.8#



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: 5.954 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

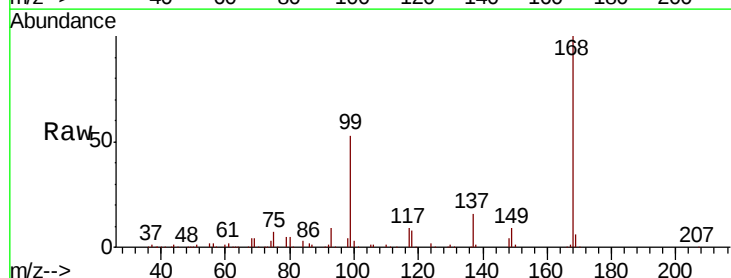
Tgt Ion: 117 Resp: 25759

Ion Ratio Lower Upper

117 100

119 4.3 75.4 113.0#

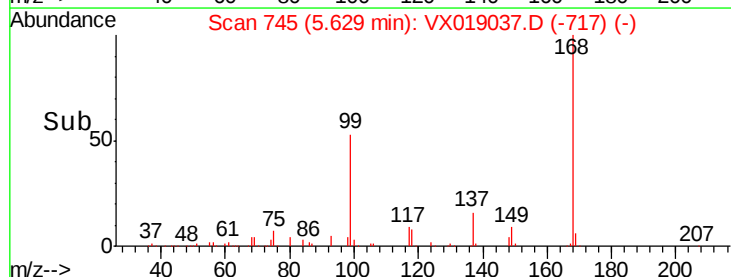
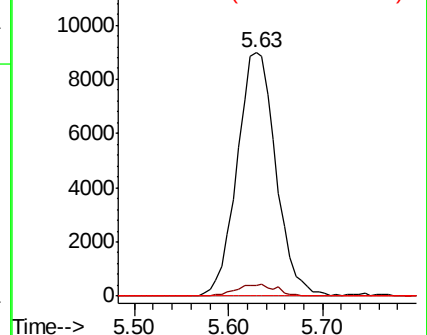
121 0.0 25.0 37.6#

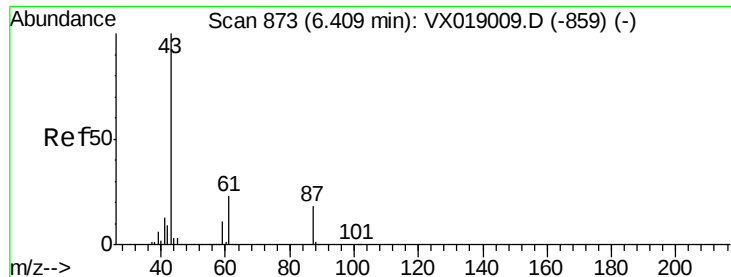


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.393 ug/l

RT: 6.40 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

MW-6

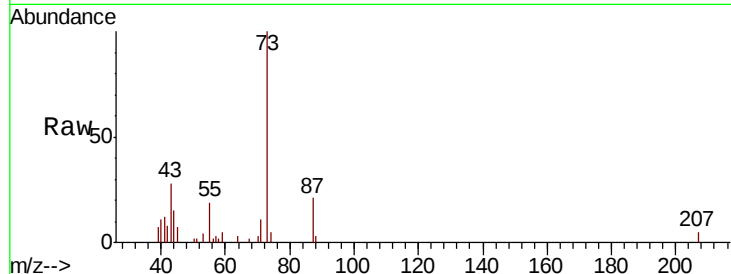
Tot Ion: 43 Resp: 2343

Ion Ratio Lower Upper

43 100

61 0.0 18.7 28.1#

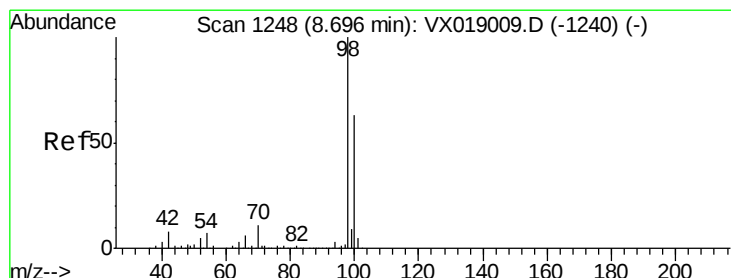
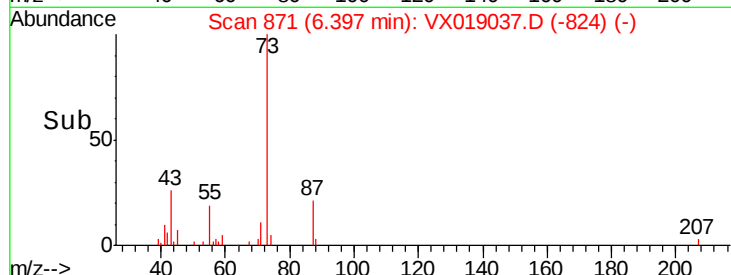
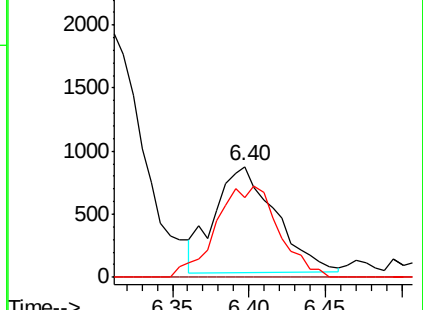
87 87.7 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 51.596 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019037.D

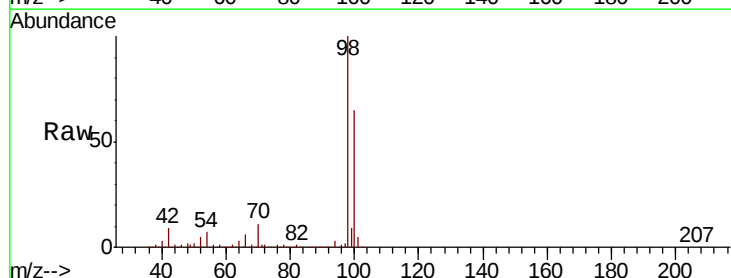
Acq: 22 Oct 2020 18:59

Tgt Ion: 98 Resp: 572647

Ion Ratio Lower Upper

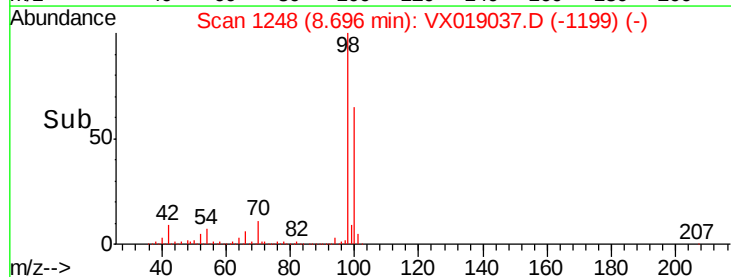
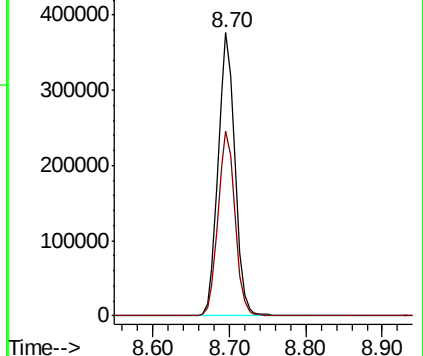
98 100

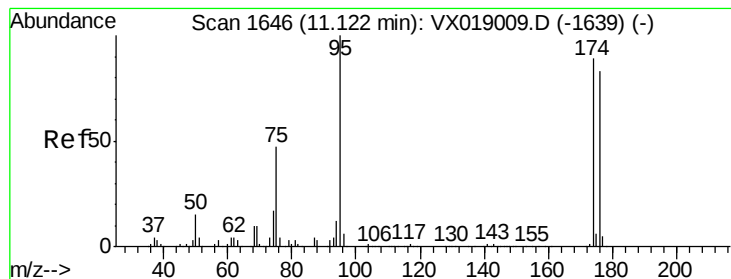
100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.402 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

MW-6

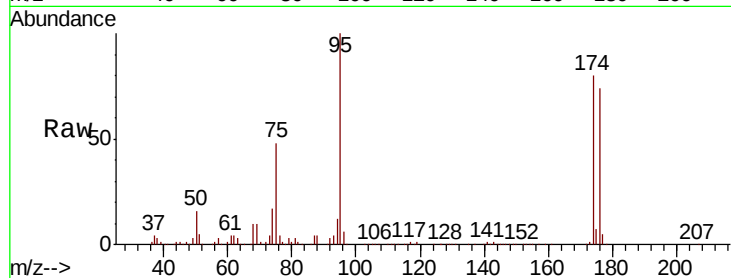
Tot Ion: 95 Resp: 206875

Ion Ratio Lower Upper

95 100

174 81.7 0.0 167.6

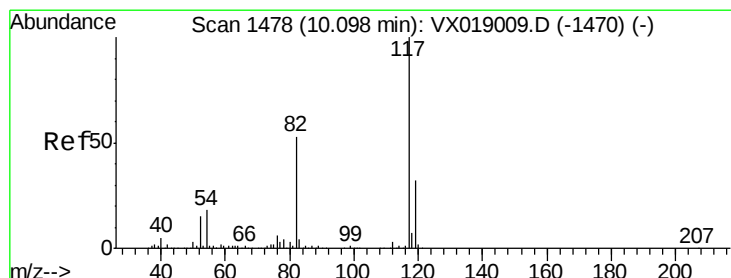
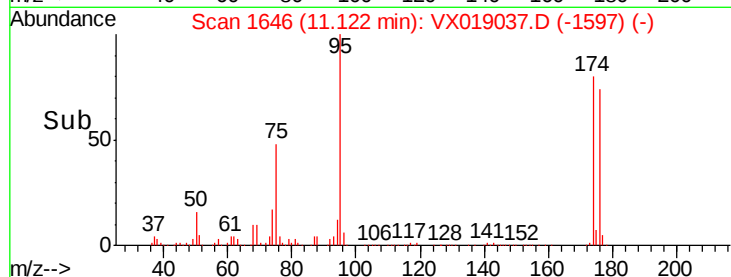
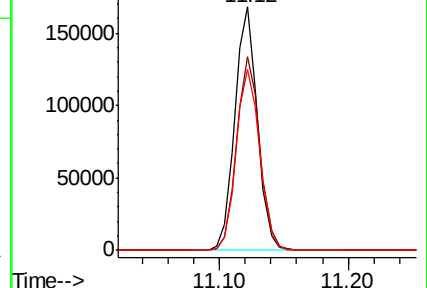
176 77.7 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

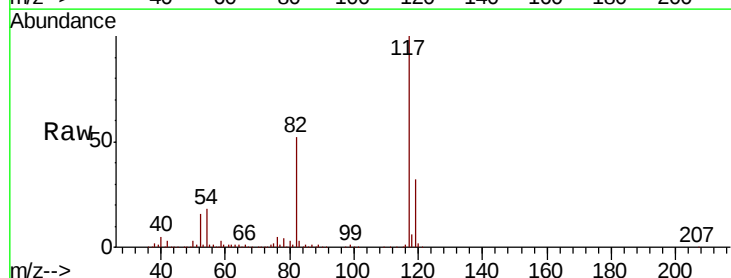
Tgt Ion: 117 Resp: 443331

Ion Ratio Lower Upper

117 100

82 52.0 42.4 63.6

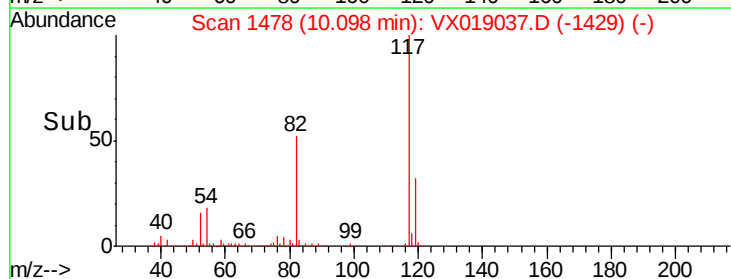
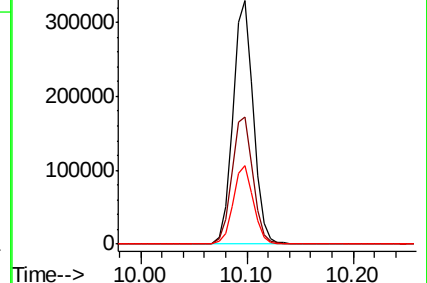
119 32.1 25.6 38.4

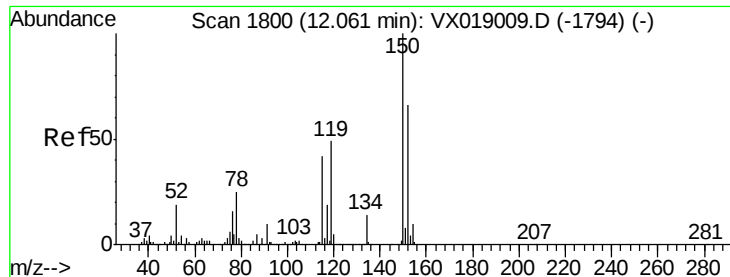


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

MW-6

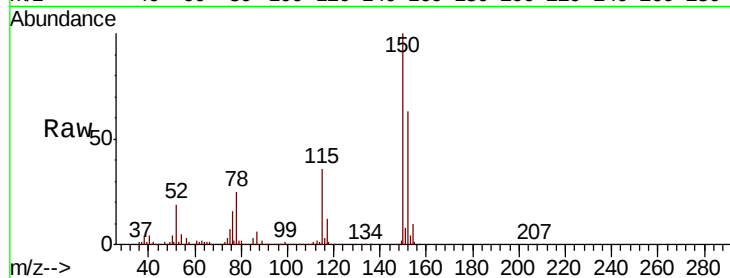
Tot Ion:152 Resp: 225080

Ion Ratio Lower Upper

152 100

115 57.4 40.8 122.5

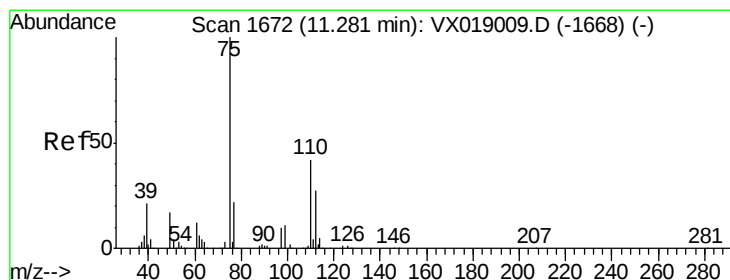
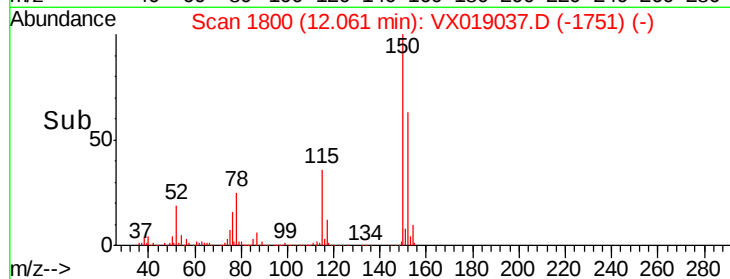
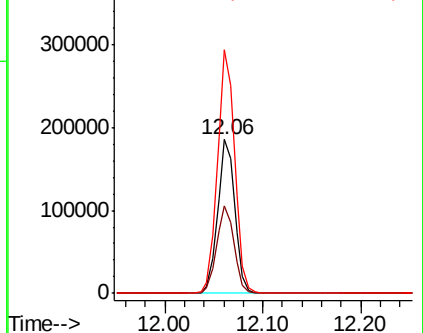
150 159.1 0.0 345.6



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: 23.094 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019037.D

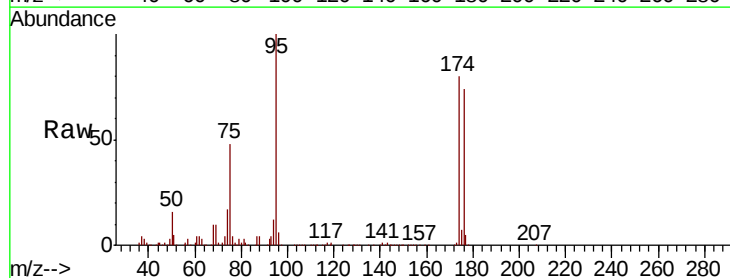
Acq: 22 Oct 2020 18:59

Tgt Ion: 75 Resp: 103894

Ion Ratio Lower Upper

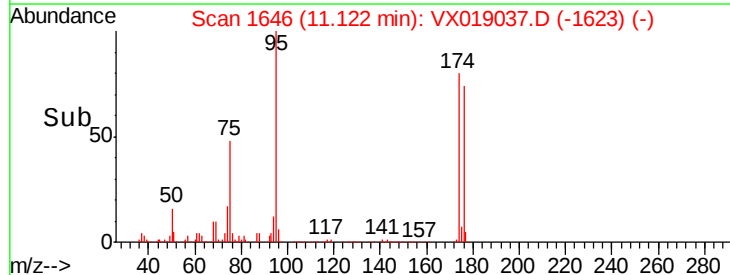
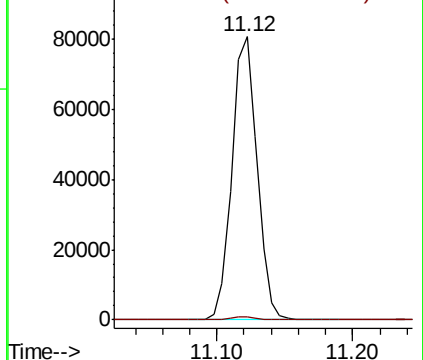
75 100

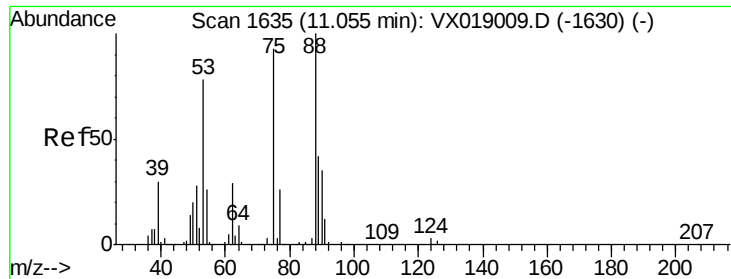
77 1.2 20.7 62.1#



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: 58.839 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019037.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

MW-6

Tot Ion: 75 Resp: 103894

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

