

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019030.D
 Acq On : 22 Oct 2020 16:22
 Operator : JC/SP
 Sample : L4417-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Oct 23 08:33:16 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	284796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	484368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242733	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	172301	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	5.46	113	152573	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	8.70	98	605847	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.12	95	220643	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	

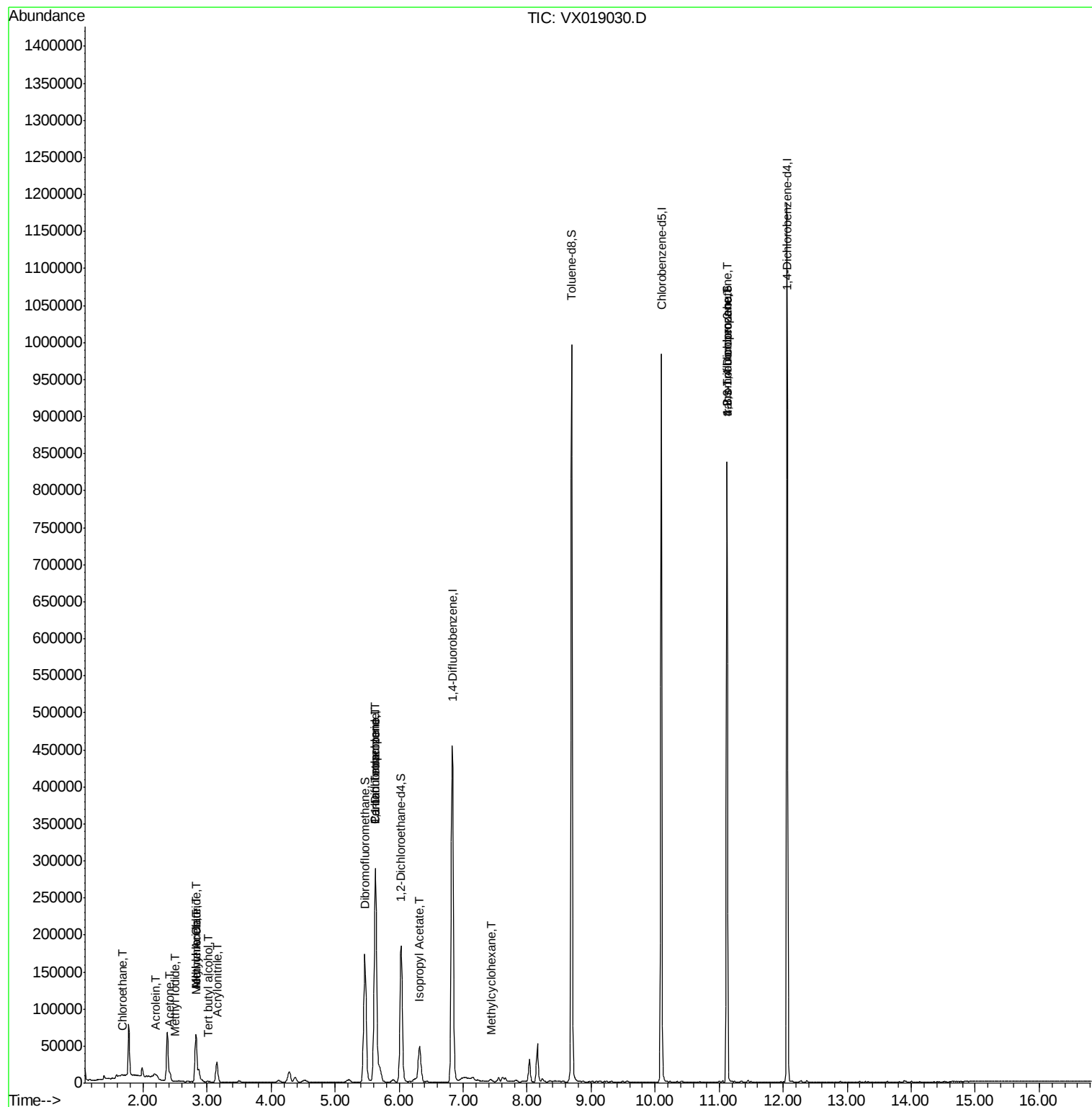
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	104	Below Cal	#	33
6) Chloroethane	1.68	64	11395	5.222	ug/l #	57
10) Methyl Iodide	2.50	142	138	4.803	ug/l #	42
11) Tert butyl alcohol	3.01	59	699	1.012	ug/l #	73
13) Acrolein	2.20	56	315	14.768	ug/l #	16
14) Allyl chloride	2.82	41	22393	6.245	ug/l #	58
15) Acrylonitrile	3.15	53	838	0.627	ug/l #	33
16) Acetone	2.42	43	12020	10.345	ug/l	100
18) Methyl Acetate	2.82	43	42792	14.841	ug/l #	44
20) Methylene Chloride	2.84	84	1048	0.324	ug/l #	24
36) 1,1-Dichloropropene	5.63	75	20568	4.732	ug/l #	48
38) Carbon Tetrachloride	5.63	117	27632	6.057	ug/l #	17
39) Methylcyclohexane	7.45	83	1176	0.242	ug/l #	77
43) Isopropyl Acetate	6.32	43	13240	2.107	ug/l #	55
76) 1,2,3-Trichloropropane	11.12	75	111026	22.885	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	111026	58.305	ug/l #	15

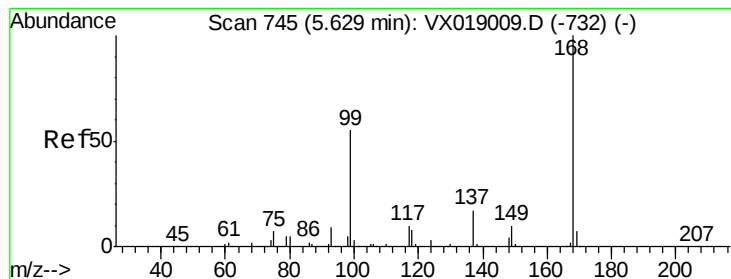
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
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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: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

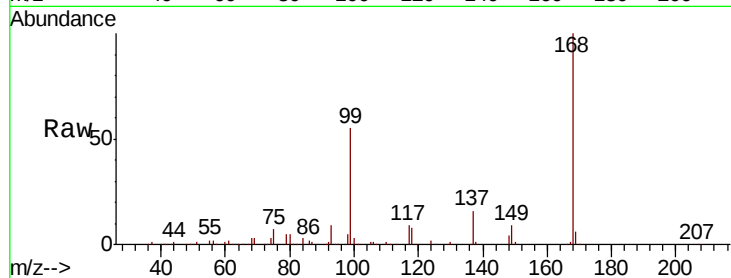
MW-2

Tot Ion:168 Resp: 284796

Ion Ratio Lower Upper

168 100

99 55.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

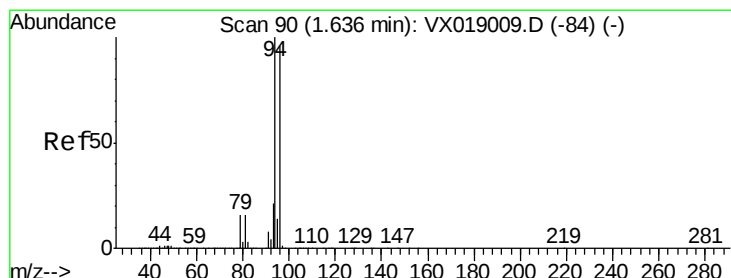
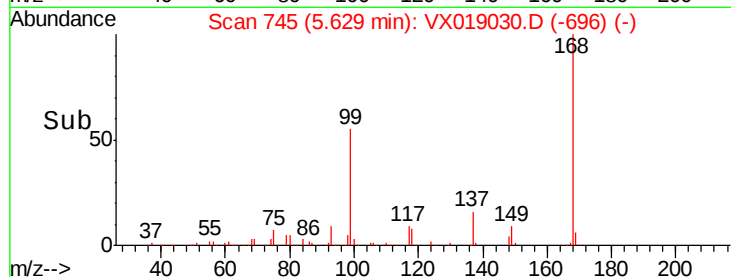
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019030.D

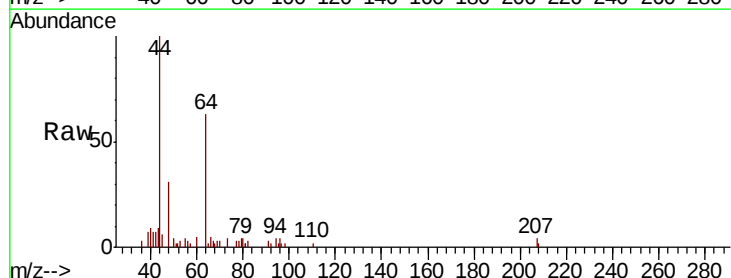
Acq: 22 Oct 2020 16:22

Tgt Ion: 94 Resp: 104

Ion Ratio Lower Upper

94 100

96 30.3 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150

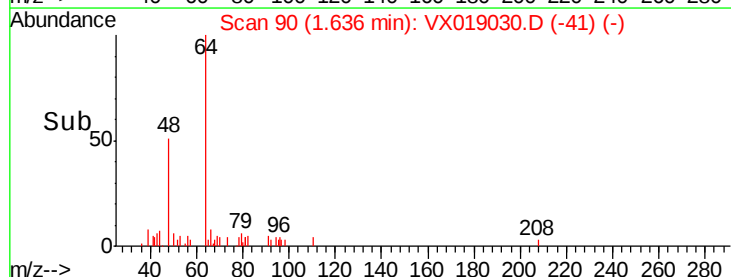
100

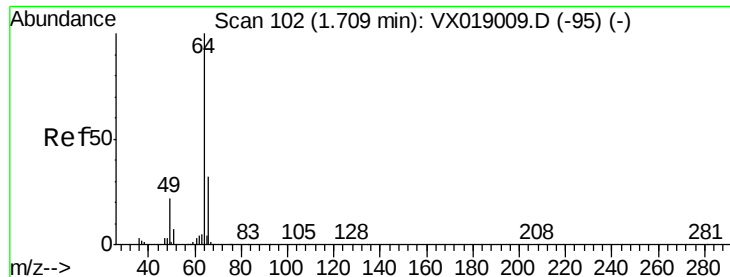
50

0

1.62 1.63 1.64 1.65 1.66

Time-->





#6

Chloroethane

Concen: 5.222 ug/l

RT: 1.68 min Scan# 97

Delta R.T. -0.03 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

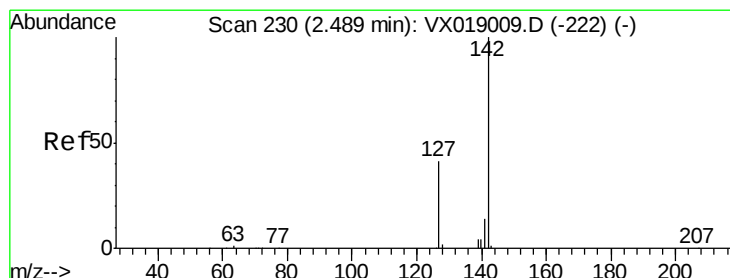
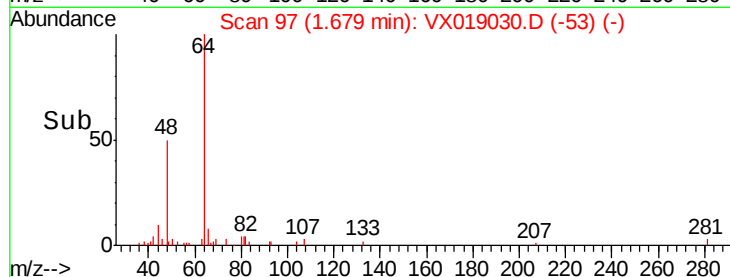
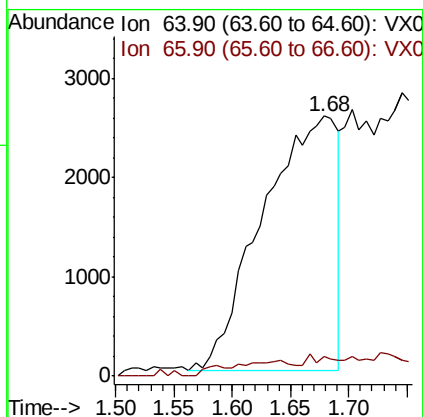
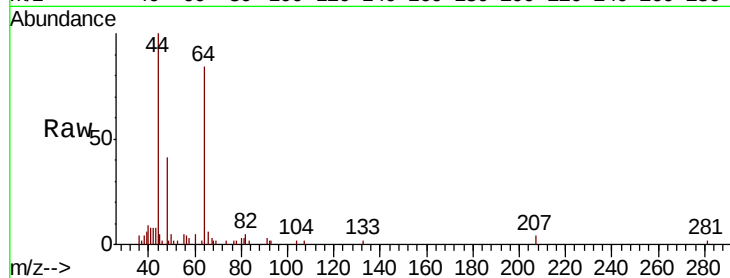
MW-2

Tot Ion: 64 Resp: 11395

Ion Ratio Lower Upper

64 100

66 7.9 25.7 38.5#



#10

Methyl Iodide

Concen: 4.803 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

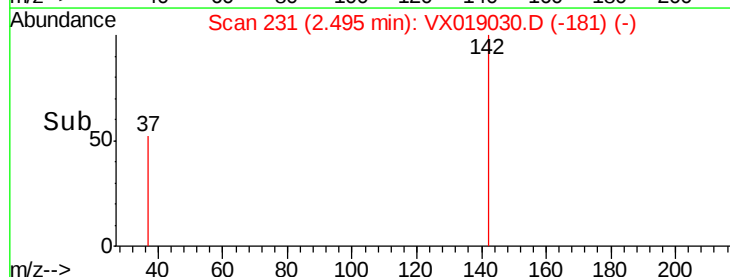
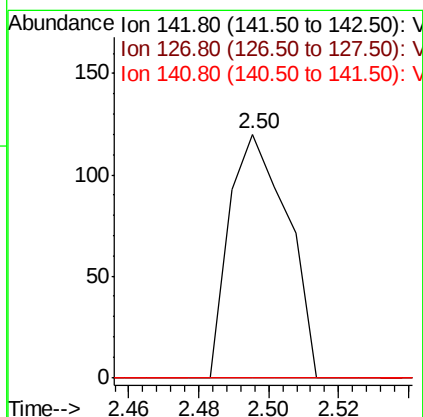
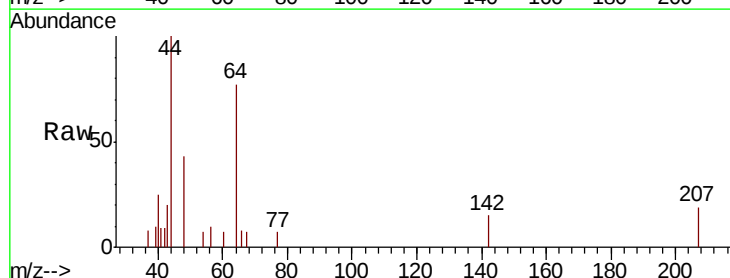
Tgt Ion: 142 Resp: 138

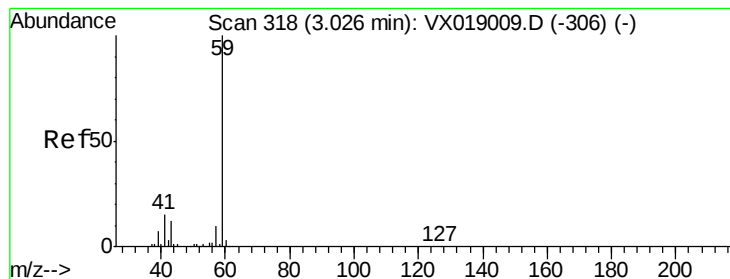
Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 1.012 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

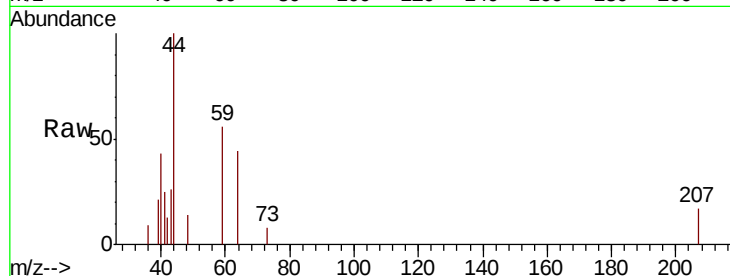
MW-2

Tot Ion: 59 Resp: 699

Ion Ratio Lower Upper

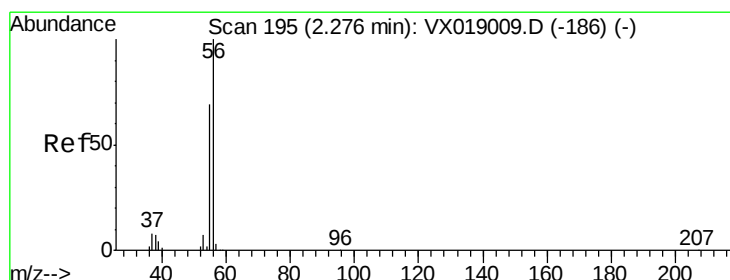
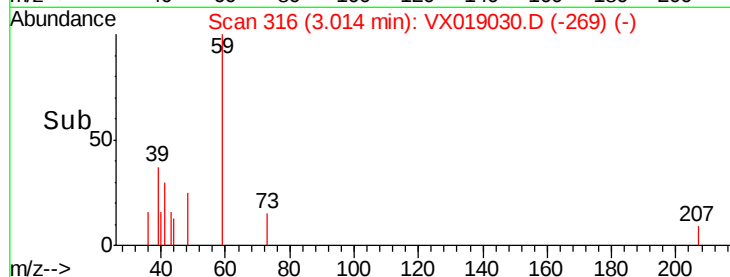
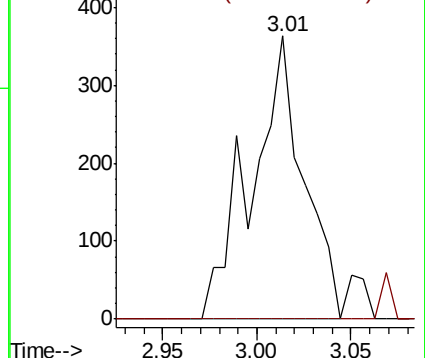
59 100

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: 14.768 ug/l

RT: 2.20 min Scan# 182

Delta R.T. -0.08 min

Lab File: VX019030.D

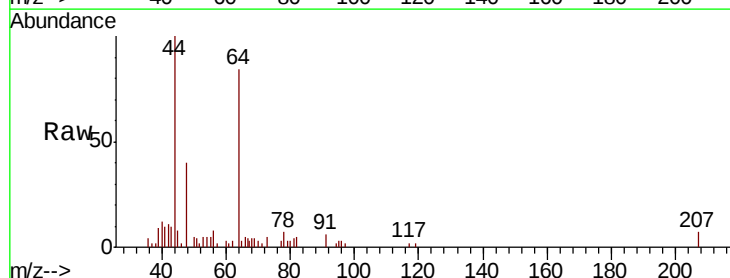
Acq: 22 Oct 2020 16:22

Tgt Ion: 56 Resp: 315

Ion Ratio Lower Upper

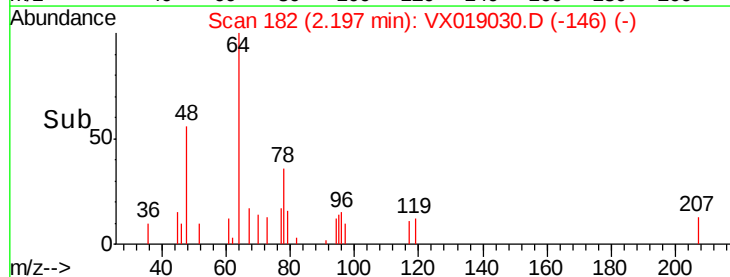
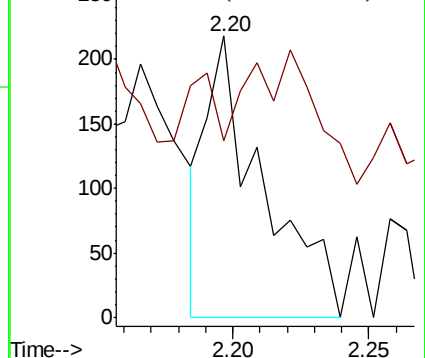
56 100

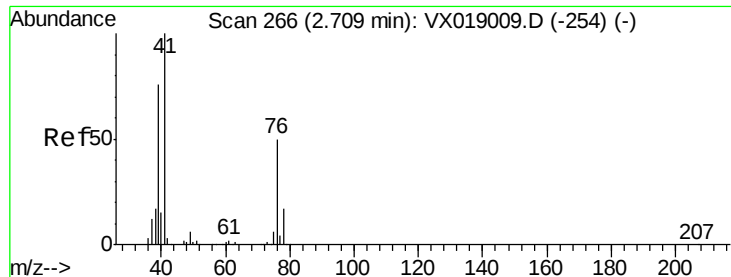
55 0.0 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Allvl chloride

Concen: 6.245 ug/l

RT: 2.82 min Scan# 285

Delta R.T. 0.12 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MW-2

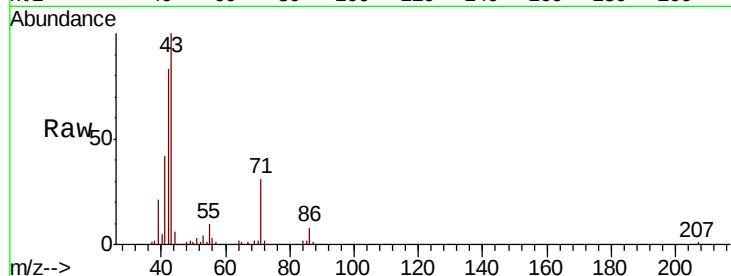
Tot Ion: 41 Resp: 22393

Ion Ratio Lower Upper

41 100

39 51.5 57.4 86.0#

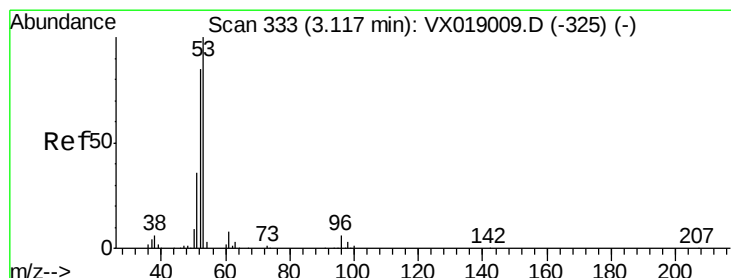
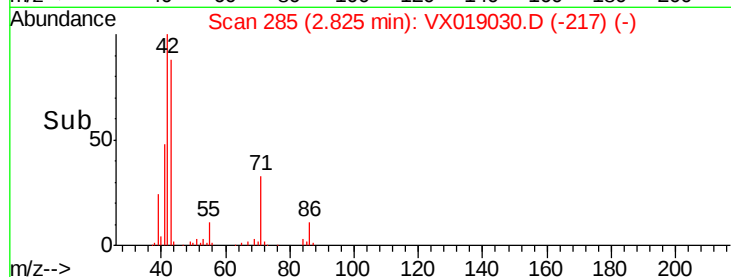
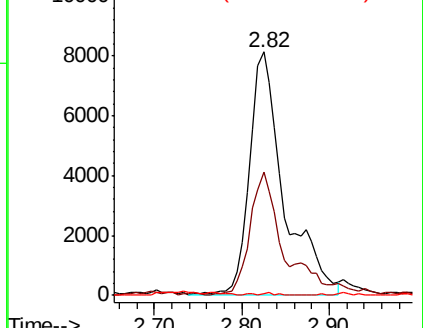
76 0.3 37.7 56.5#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 0.627 ug/l

RT: 3.15 min Scan# 339

Delta R.T. 0.04 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

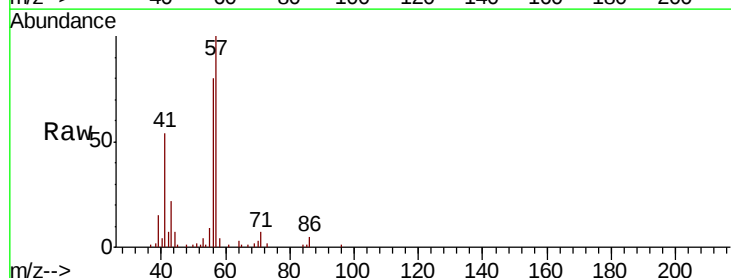
Tgt Ion: 53 Resp: 838

Ion Ratio Lower Upper

53 100

52 14.7 65.9 98.9#

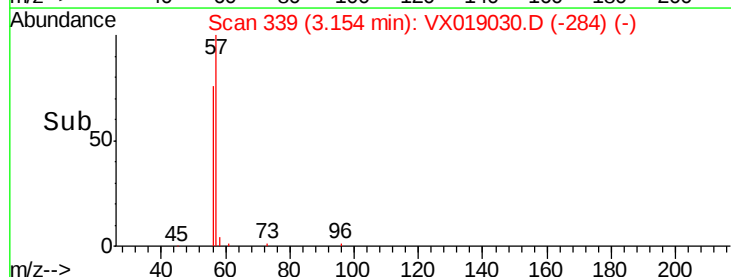
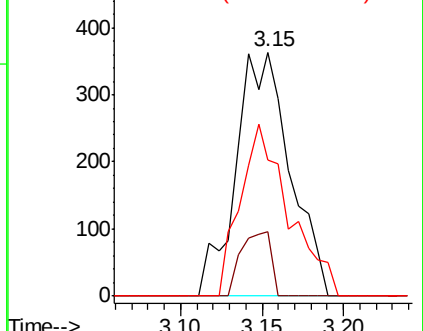
51 63.7 28.3 42.5#

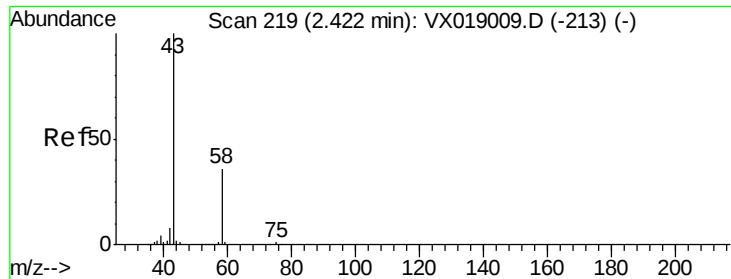


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 10.345 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

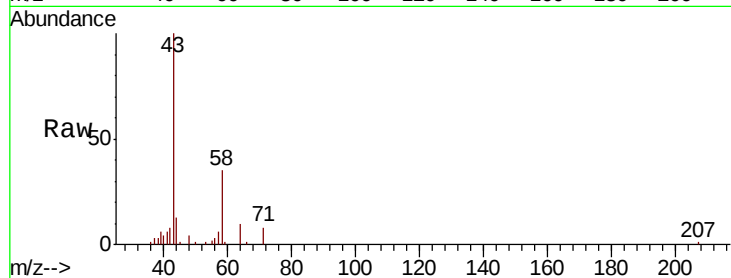
MW-2

Tot Ion: 43 Resp: 12020

Ion Ratio Lower Upper

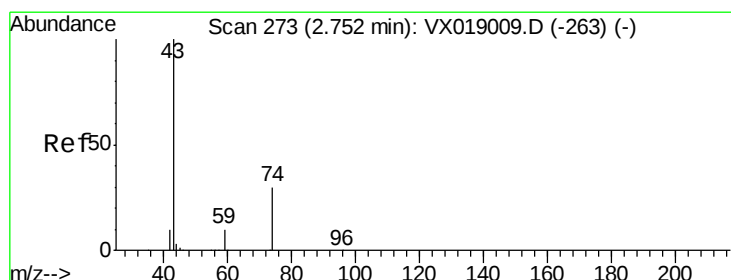
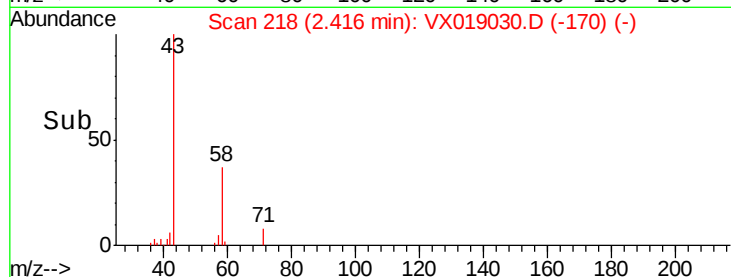
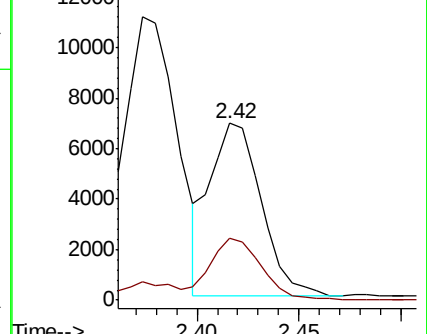
43 100

58 35.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 14.841 ug/l

RT: 2.82 min Scan# 285

Delta R.T. 0.07 min

Lab File: VX019030.D

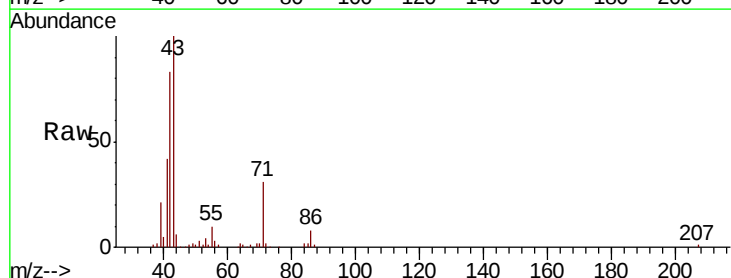
Acq: 22 Oct 2020 16:22

Tgt Ion: 43 Resp: 42792

Ion Ratio Lower Upper

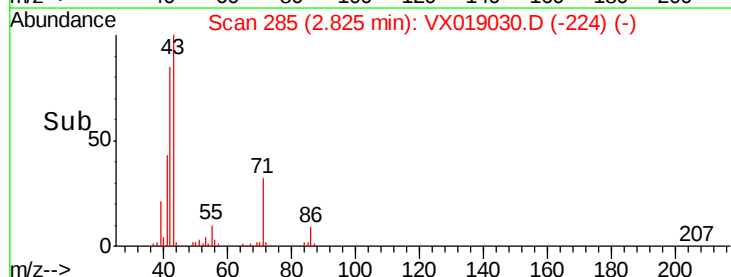
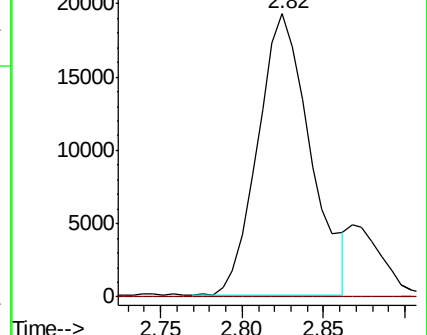
43 100

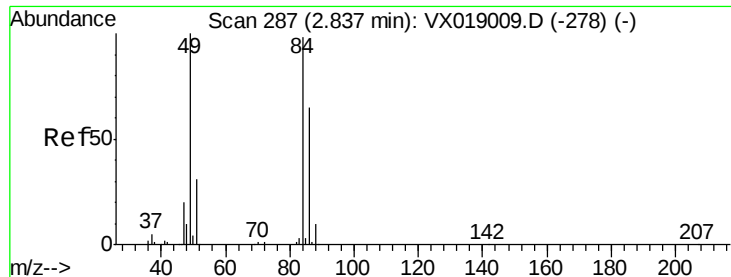
74 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

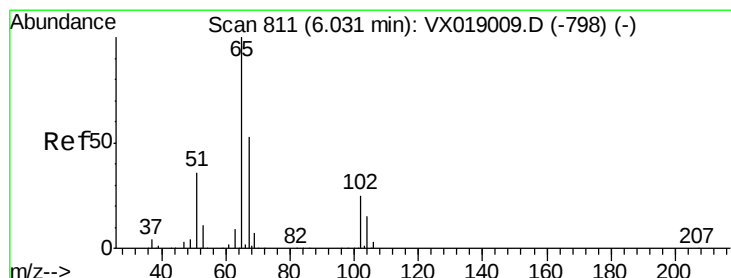
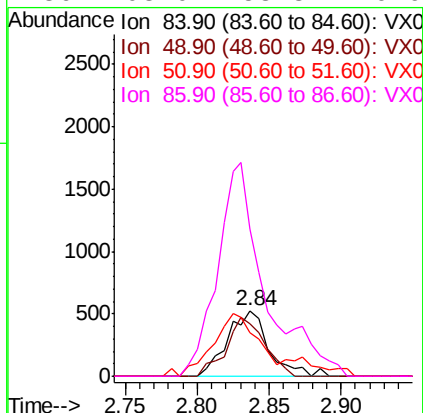
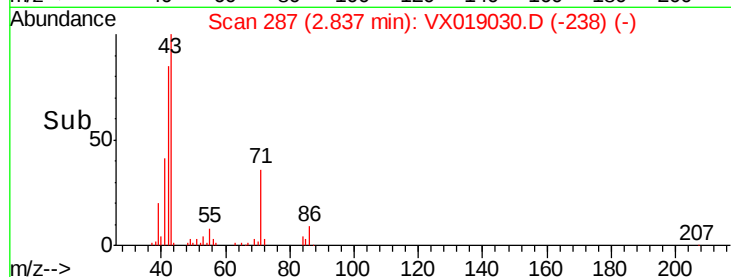
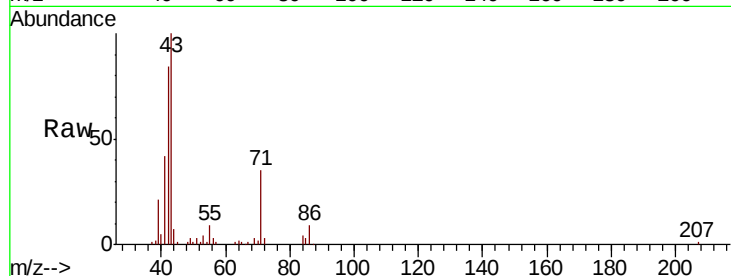




#20
Methvlene Chloride
Concen: 0.324 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019030.D
Acq: 22 Oct 2020 16:22

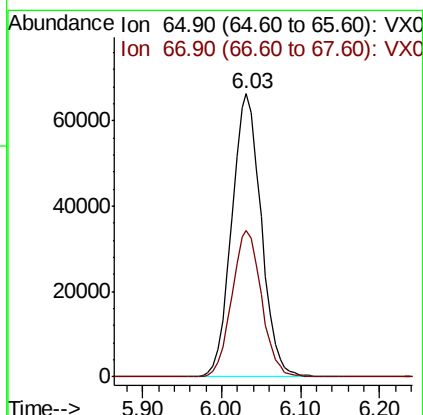
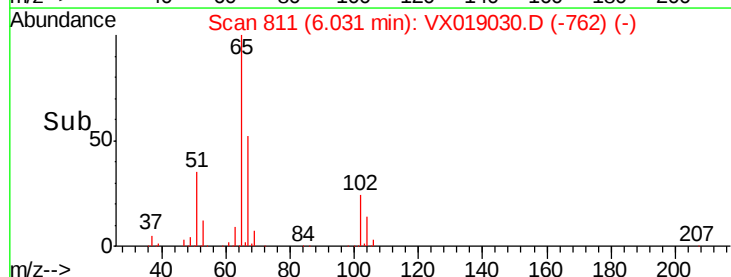
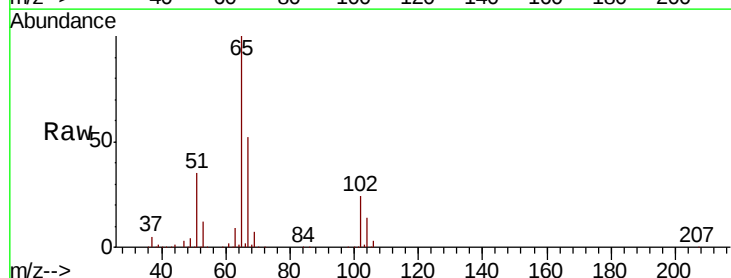
Instrument :
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ClientSampled :
MW-2

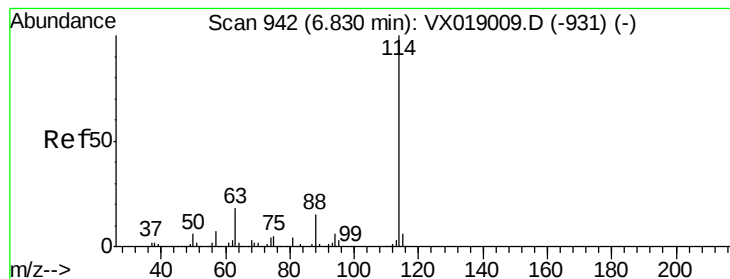
Tot Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
49 80.0 81.6 122.4#
51 54.2 25.6 38.4#
86 208.0 53.3 79.9#



#33
1,2-Dichloroethane-d4
Concen: 50.507 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019030.D
Acq: 22 Oct 2020 16:22

Tgt Ion: 65 Resp: 172301
Ion Ratio Lower Upper
65 100
67 52.0 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: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MW-2

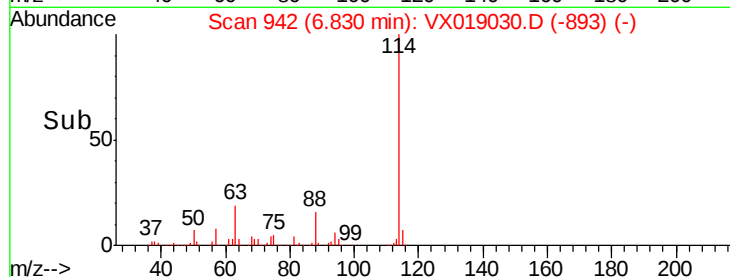
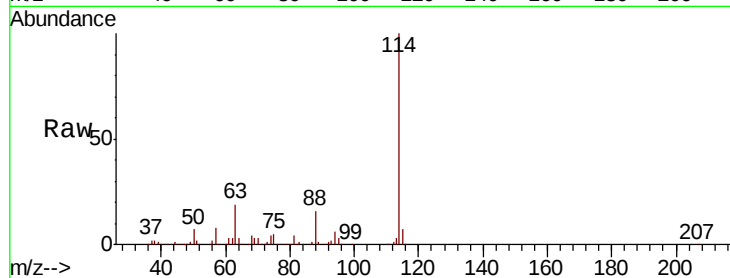
Tot Ion:114 Resp: 484368

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

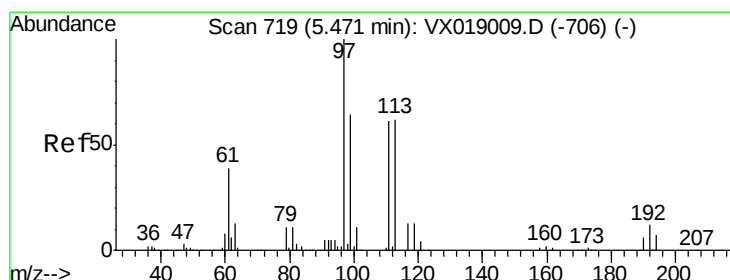
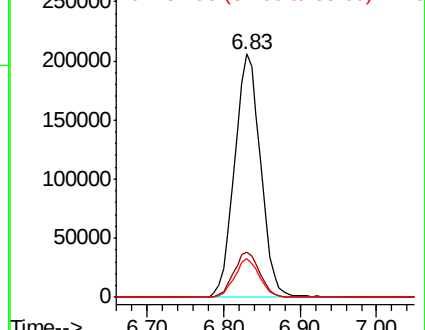
88 16.2 0.0 30.2



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: 49.752 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

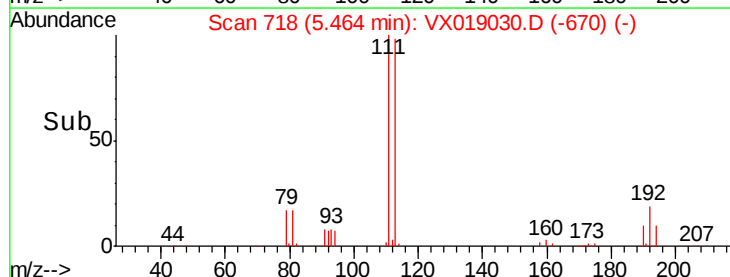
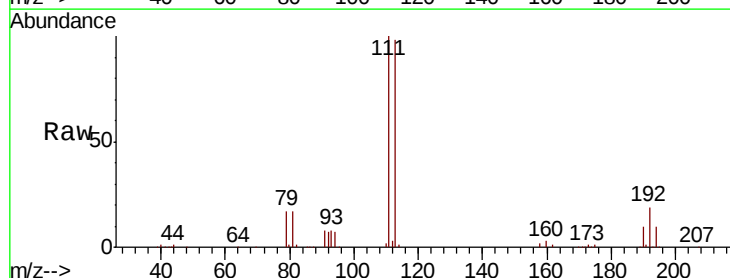
Tgt Ion:113 Resp: 152573

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

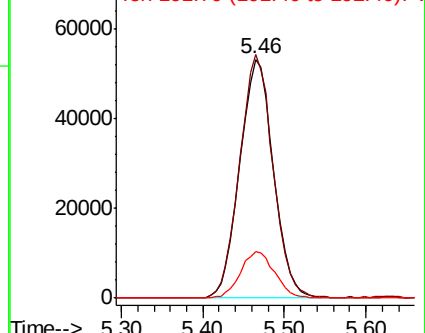
192 19.8 16.3 24.5

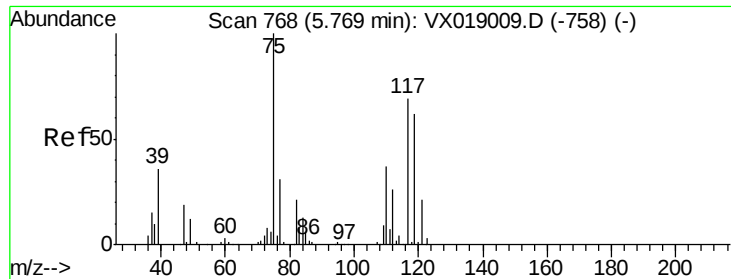


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.732 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MW-2

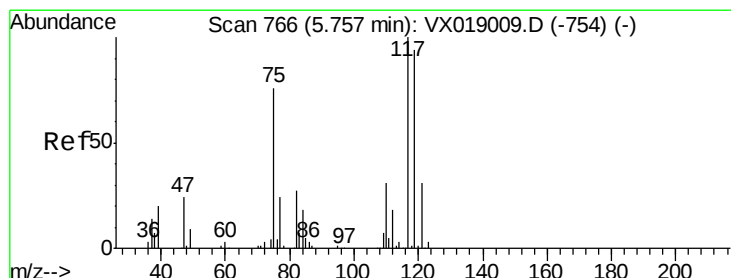
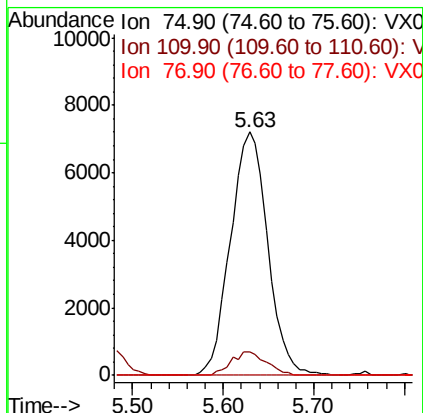
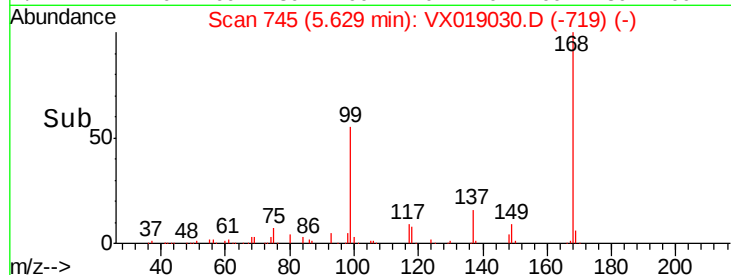
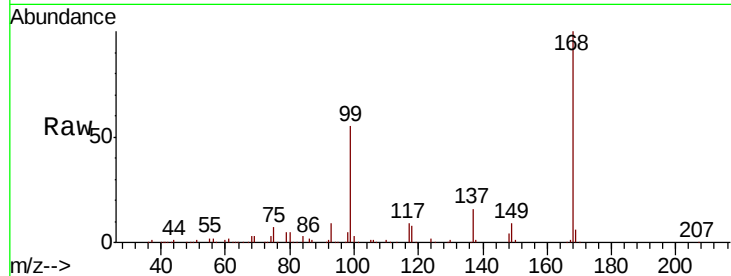
Tot Ion: 75 Resp: 20568

Ion Ratio Lower Upper

75 100

110 9.1 19.4 58.2#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

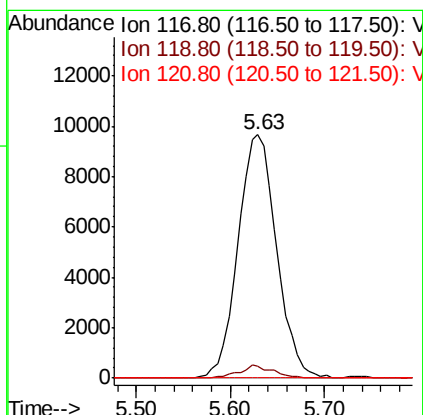
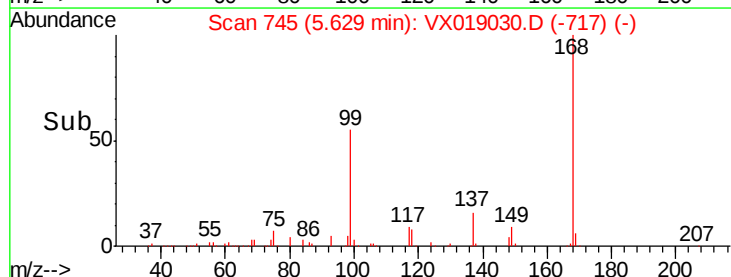
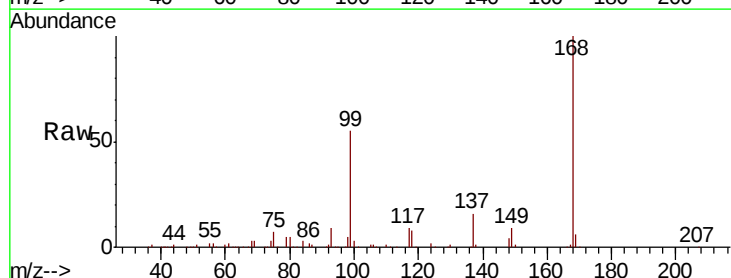
Tgt Ion:117 Resp: 27632

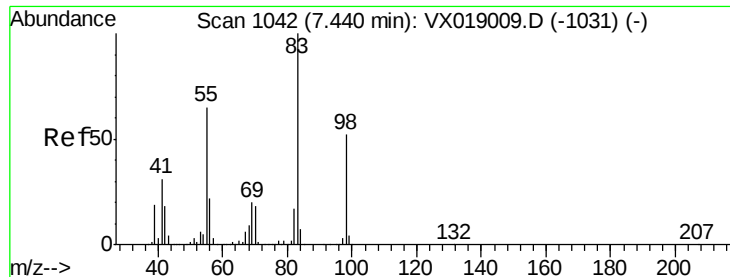
Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

121 0.0 25.0 37.6#

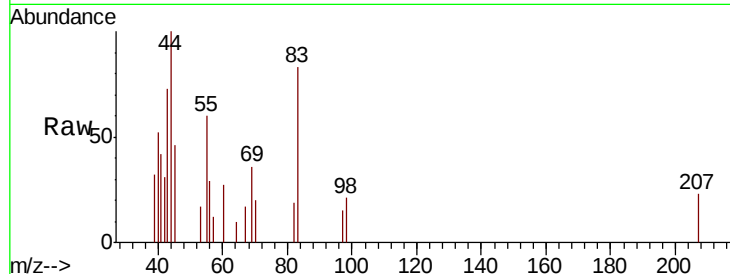




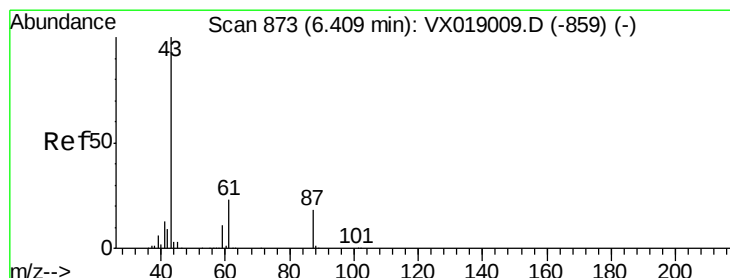
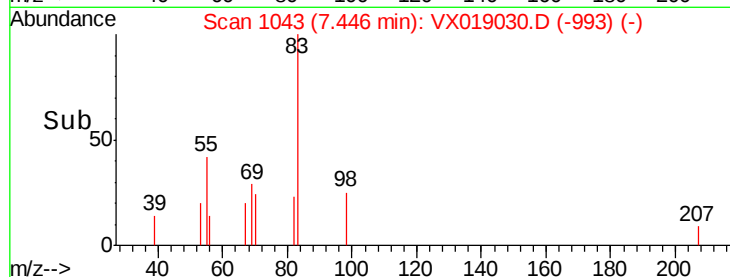
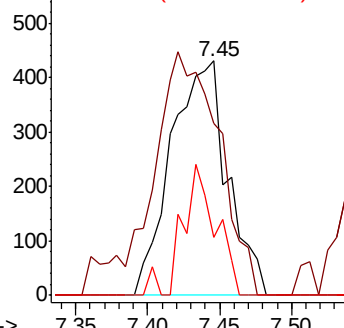
#39
Methvlcvclohexane
Concen: 0.242 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX019030.D
Acq: 22 Oct 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion: 83 Resp: 1176
Ion Ratio Lower Upper
83 100
55 73.1 51.8 77.6
98 24.8 41.4 62.2#

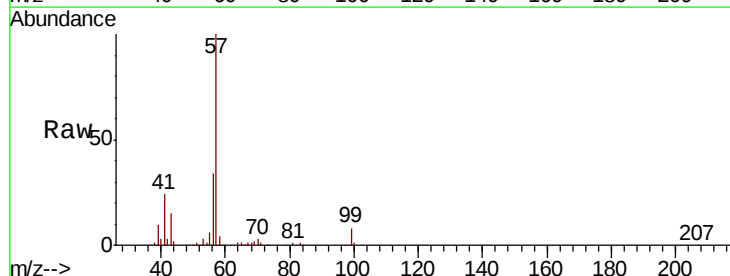


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

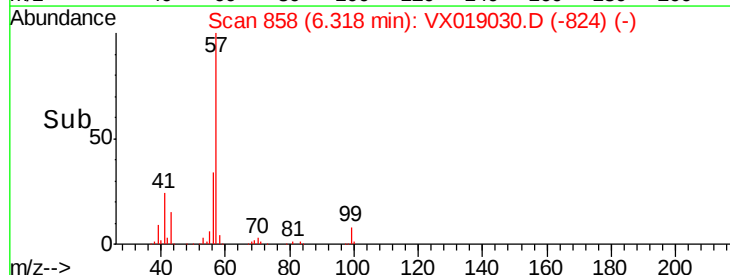
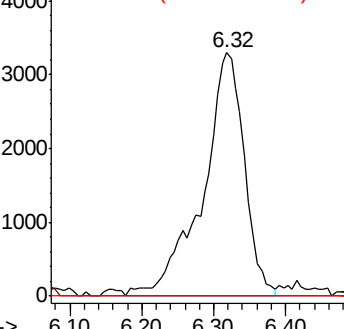


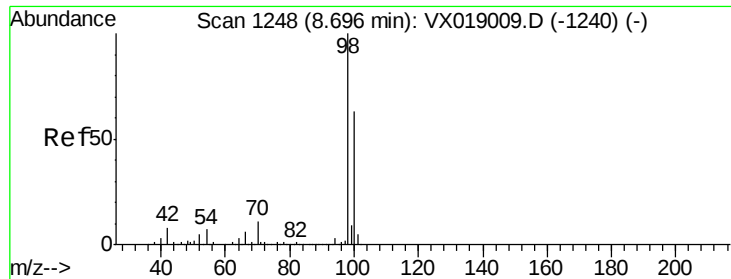
#43
Isopropyl Acetate
Concen: 2.107 ug/l
RT: 6.32 min Scan# 858
Delta R.T. -0.09 min
Lab File: VX019030.D
Acq: 22 Oct 2020 16:22

Tgt Ion: 43 Resp: 13240
Ion Ratio Lower Upper
43 100
61 0.0 18.7 28.1#
87 0.0 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: 51.770 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

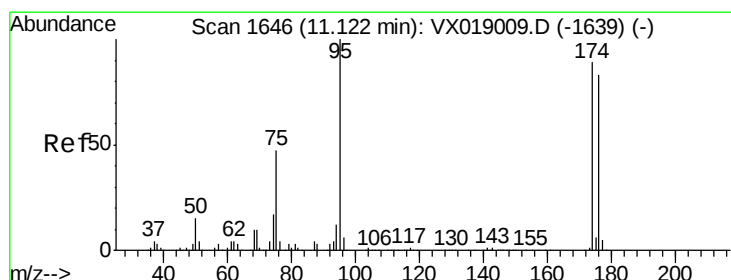
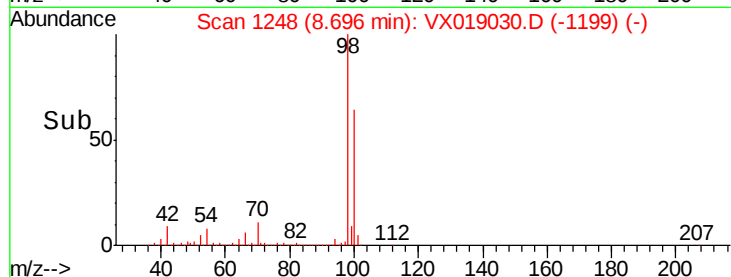
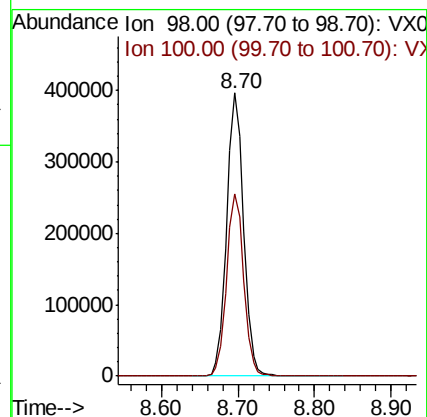
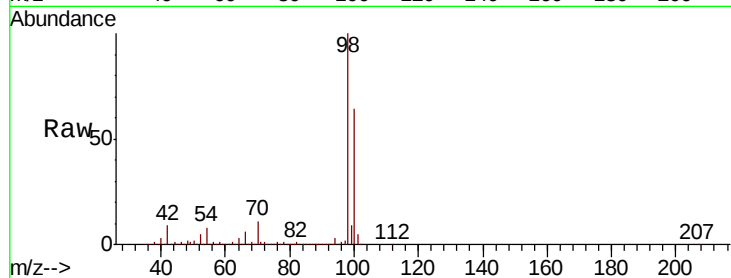
MW-2

Tot Ion: 98 Resp: 605847

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 53.005 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

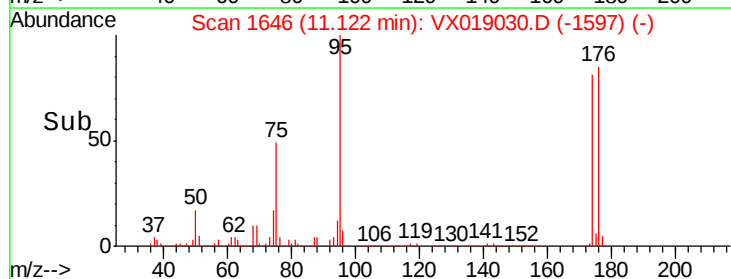
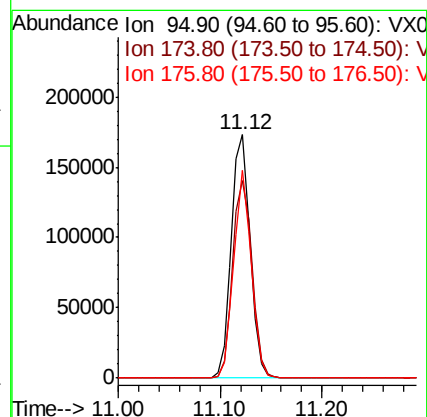
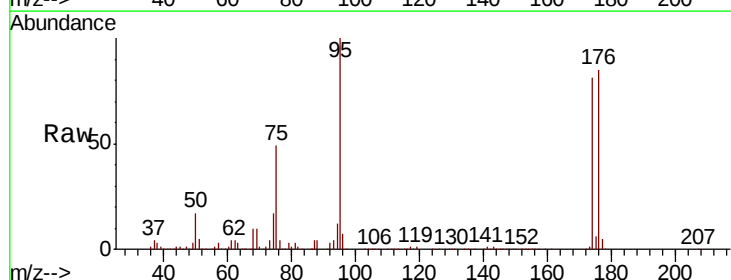
Tgt Ion: 95 Resp: 220643

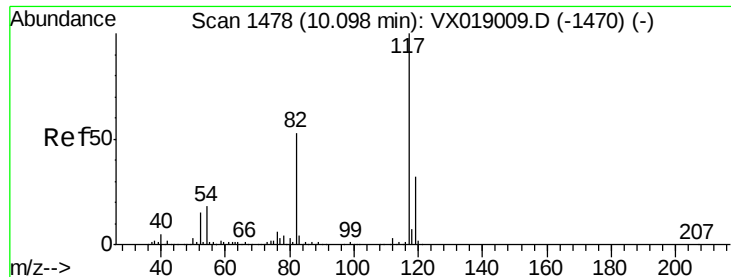
Ion Ratio Lower Upper

95 100

174 83.6 0.0 167.6

176 79.6 0.0 165.2

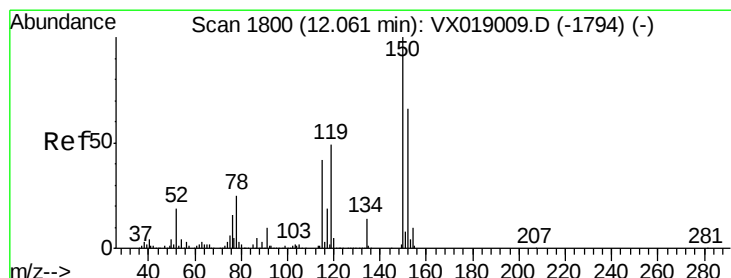
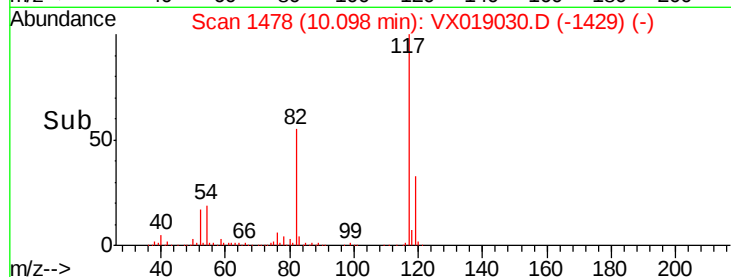
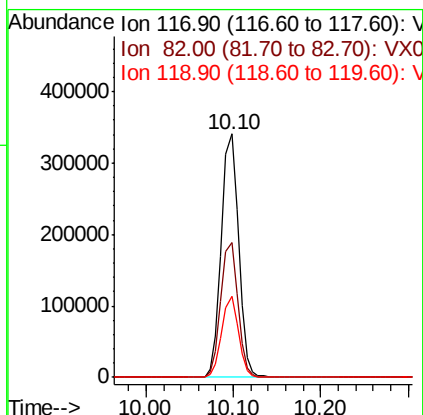
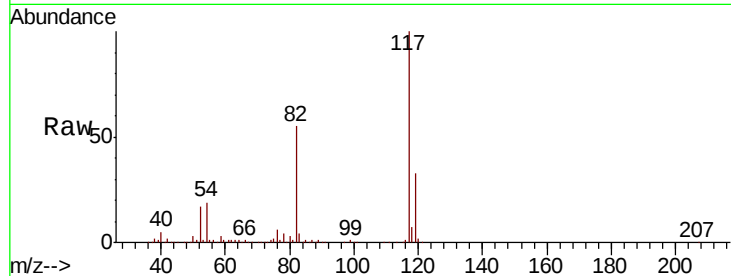




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019030.D
Acq: 22 Oct 2020 16:22

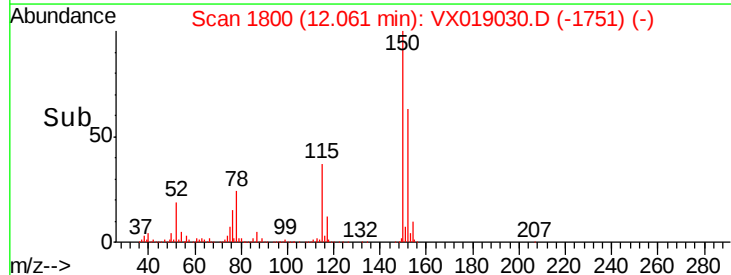
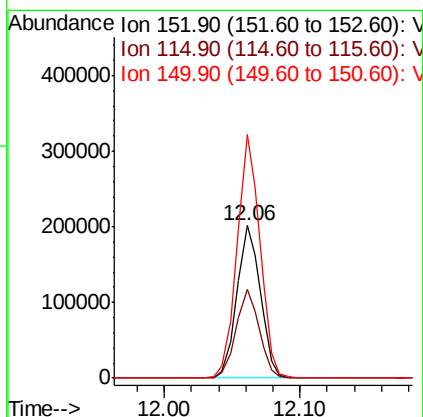
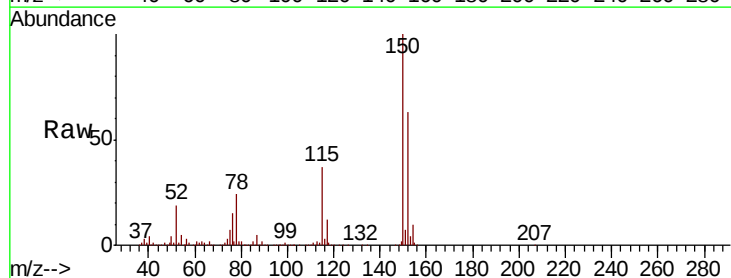
Instrument :
MSVOA_X
ClientSampleId :
MW-2

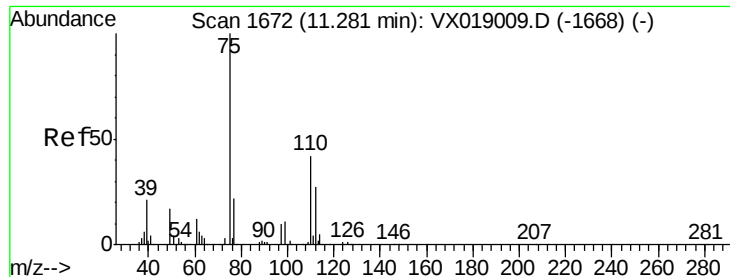
Tot Ion:117 Resp: 466523
Ion Ratio Lower Upper
117 100
82 55.2 42.4 63.6
119 33.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019030.D
Acq: 22 Oct 2020 16:22

Tgt Ion:152 Resp: 242733
Ion Ratio Lower Upper
152 100
115 57.3 40.8 122.5
150 155.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 22.885 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

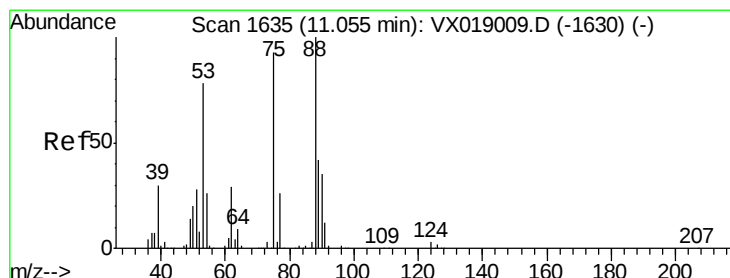
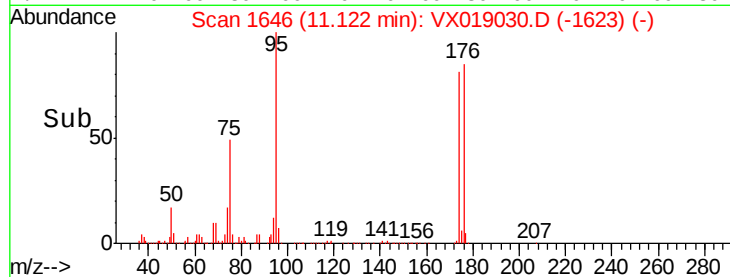
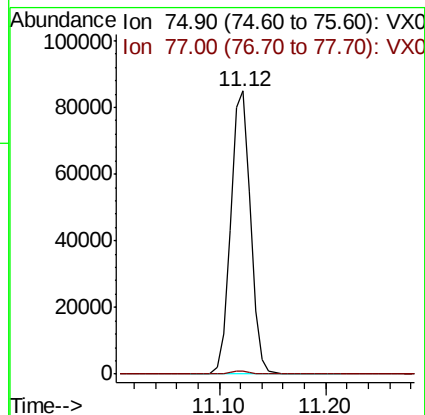
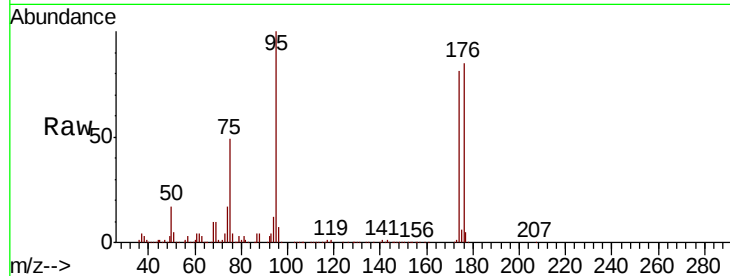
MW-2

Tot Ion: 75 Resp: 111026

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.305 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019030.D

Acq: 22 Oct 2020 16:22

Tgt Ion: 75 Resp: 111026

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 37.2 55.8#

