

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019024.D
 Acq On : 22 Oct 2020 14:08
 Operator : JC/SP
 Sample : L4417-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Oct 23 08:32:19 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	292934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	509214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	482847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	243836	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	176237	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.46	113	154550	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	8.70	98	627691	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.12	95	227248	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	

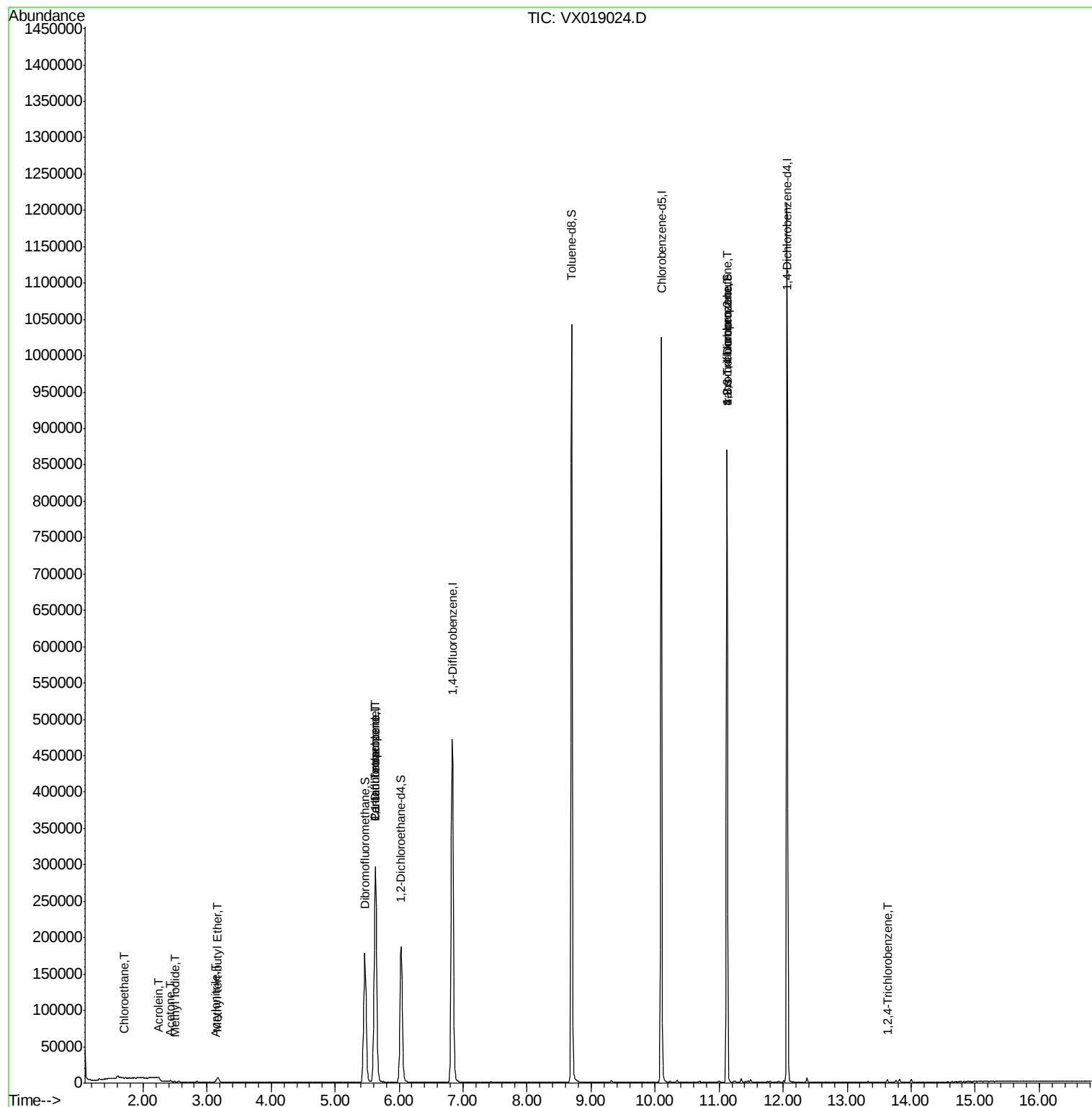
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	348	Below Cal		88
6) Chloroethane	1.70	64	26	1.282	ug/l #	24
10) Methyl Iodide	2.50	142	371	4.857	ug/l #	86
13) Acrolein	2.24	56	135	14.101	ug/l #	1
15) Acrylonitrile	3.12	53	631	0.459	ug/l #	76
16) Acetone	2.42	43	2076	1.737	ug/l #	87
19) Methyl tert-butyl Ether	3.17	73	8355	0.925	ug/l	99
36) 1,1-Dichloropropene	5.63	75	22248	4.869	ug/l #	48
38) Carbon Tetrachloride	5.64	117	27984	5.835	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	112129	23.008	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	112129	58.618	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.63	180	1121	0.202	ug/l	94

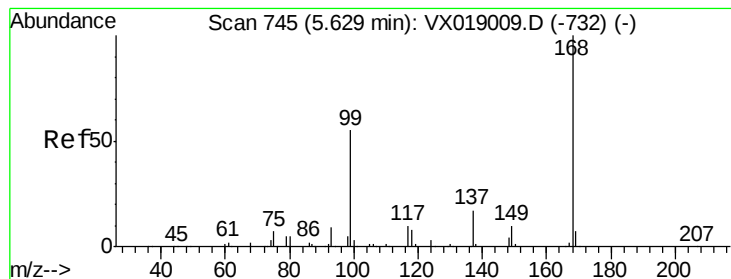
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 08:32:19 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: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

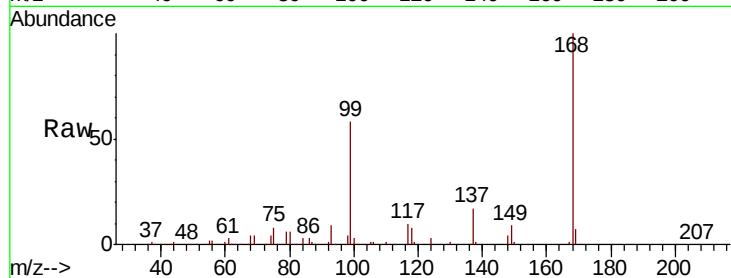
MW-7

Tot Ion:168 Resp: 292934

Ion Ratio Lower Upper

168 100

99 57.6 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

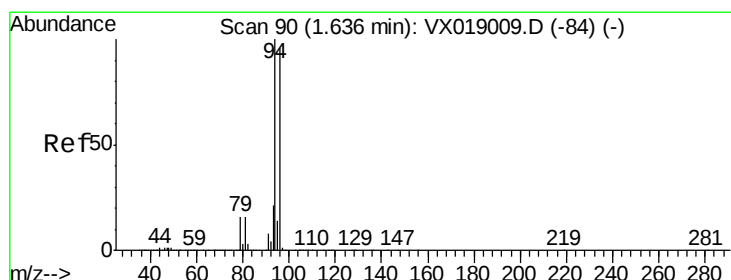
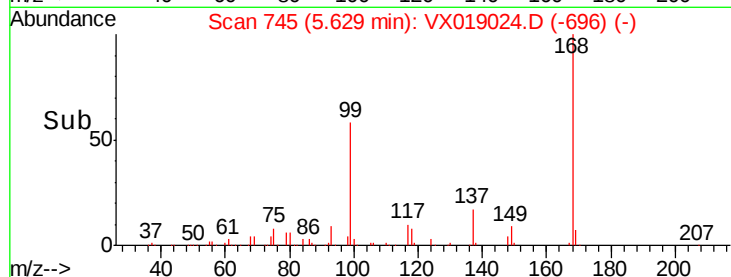
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019024.D

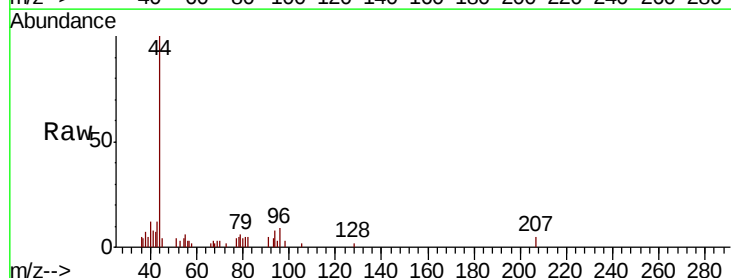
Acq: 22 Oct 2020 14:08

Tgt Ion: 94 Resp: 348

Ion Ratio Lower Upper

94 100

96 84.8 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

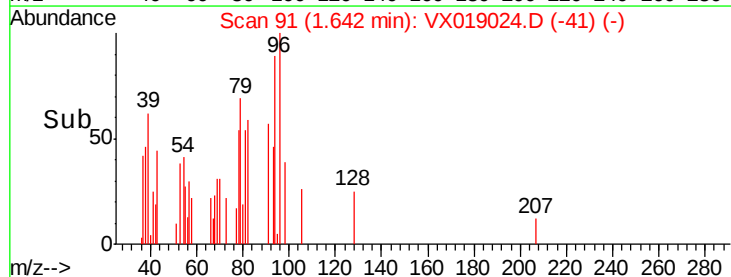
150

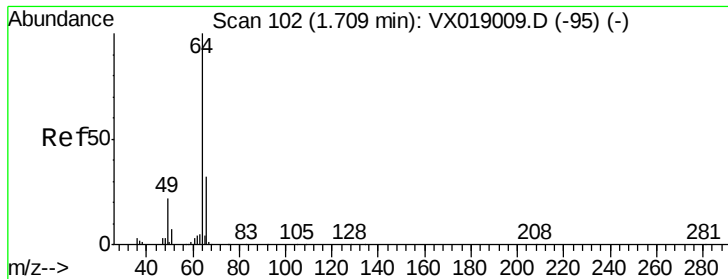
100

50

0

Time-->





#6

Chloroethane

Concen: 1.282 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampled :

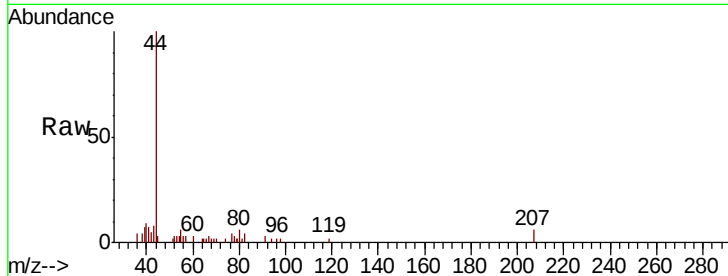
MW-7

Tot Ion: 64 Resp: 26

Ion Ratio Lower Upper

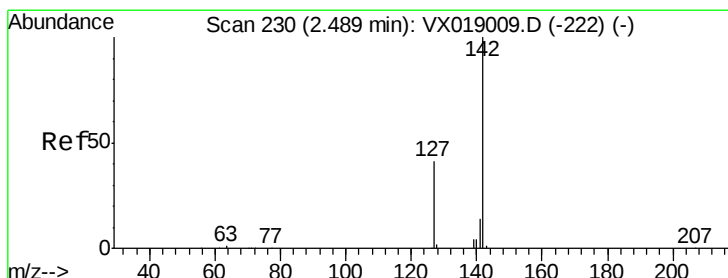
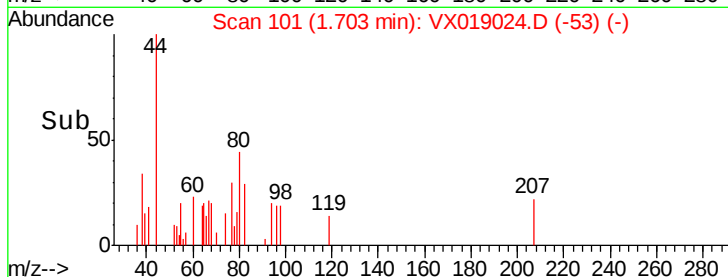
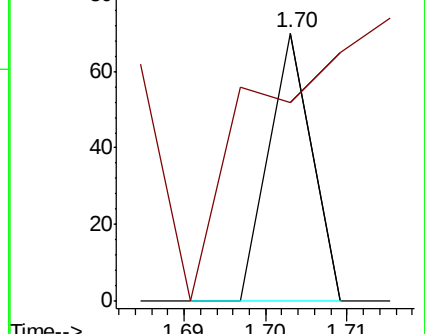
64 100

66 74.3 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.857 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

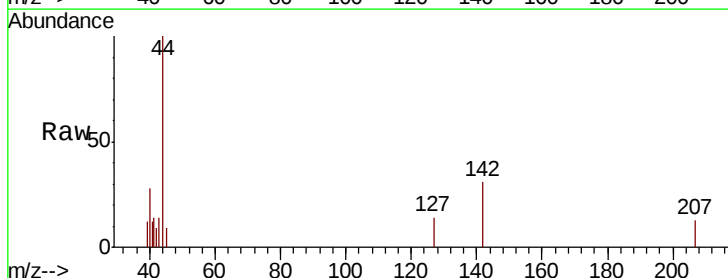
Tgt Ion: 142 Resp: 371

Ion Ratio Lower Upper

142 100

127 37.7 33.6 50.4

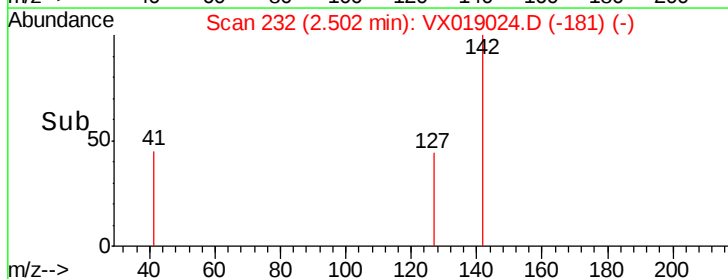
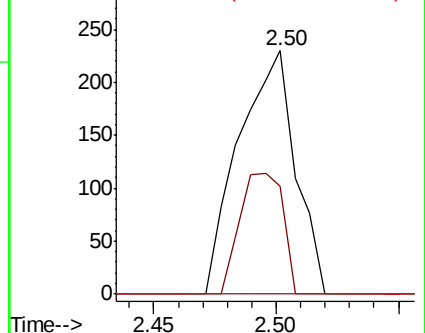
141 0.0 11.2 16.8#

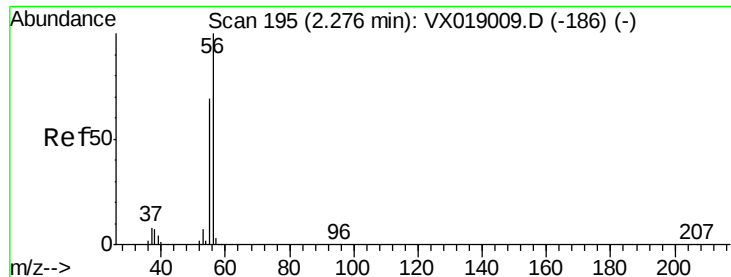


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 14.101 ug/l

RT: 2.24 min Scan# 189

Delta R.T. -0.04 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

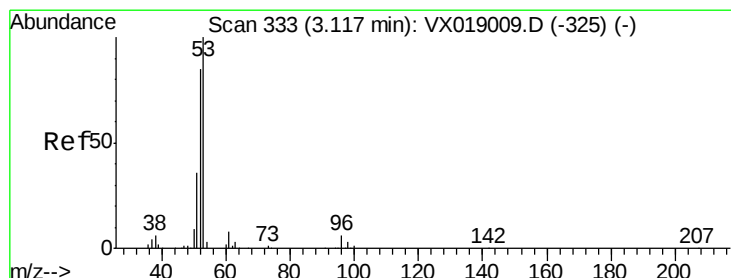
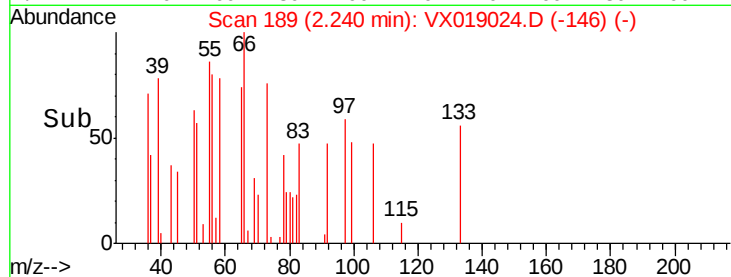
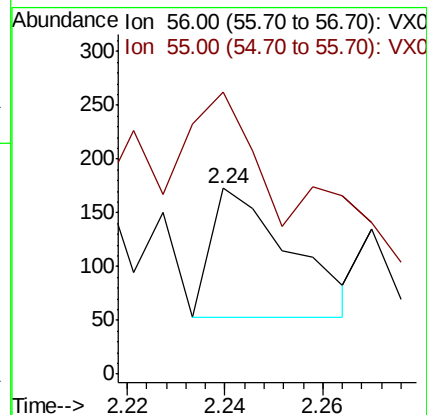
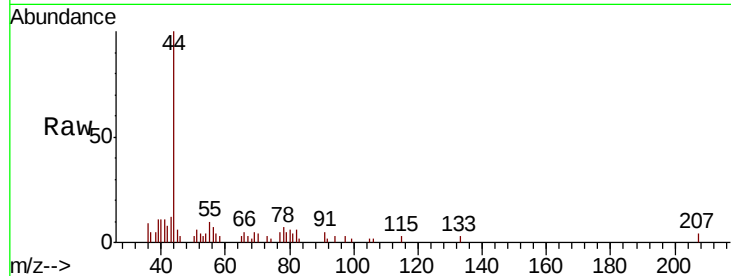
MW-7

Tot Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 229.6 54.2 81.4#



#15

Acrylonitrile

Concen: 0.459 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

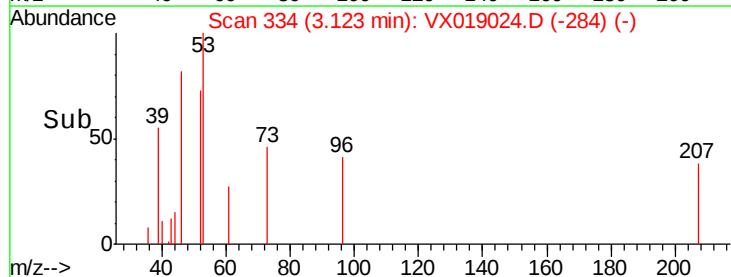
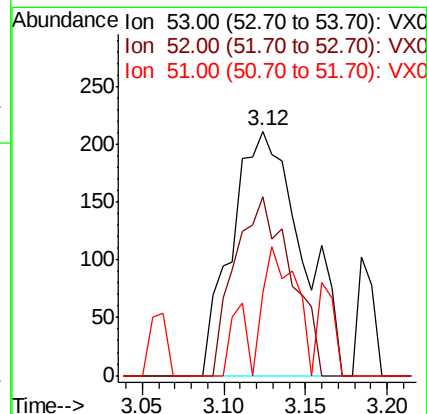
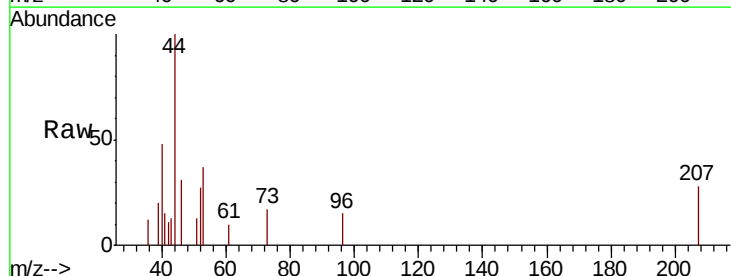
Tgt Ion: 53 Resp: 631

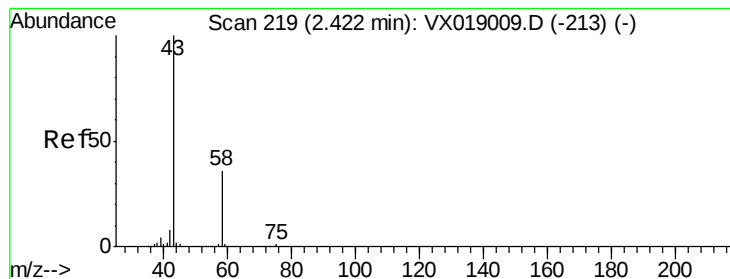
Ion Ratio Lower Upper

53 100

52 59.0 65.9 98.9#

51 24.6 28.3 42.5#





#16

Acetone

Concen: 1.737 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampled :

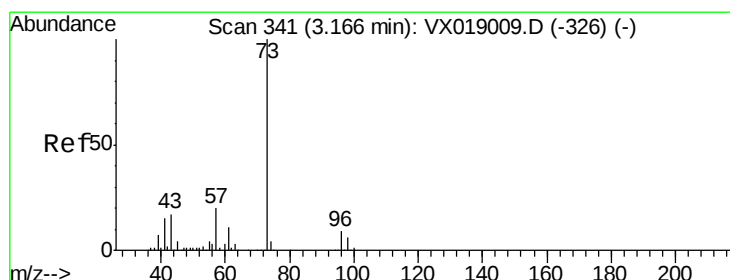
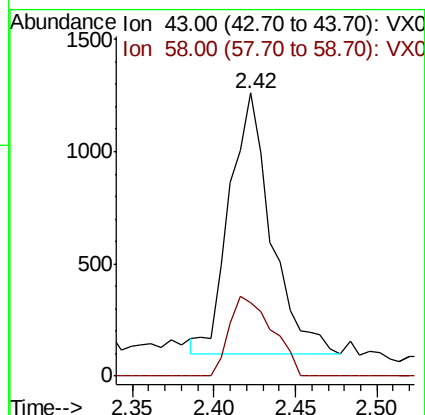
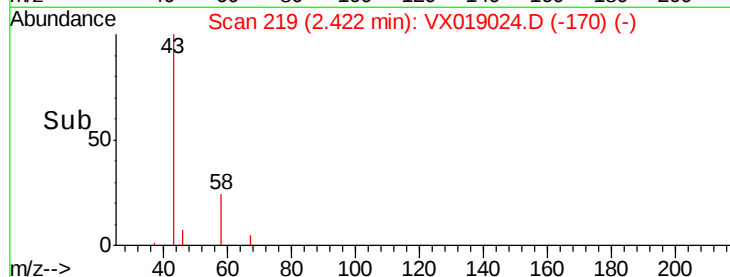
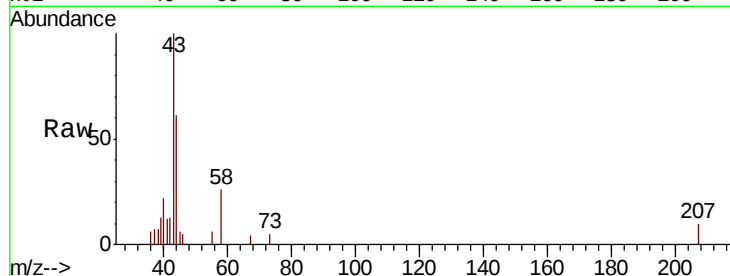
MW-7

Tot Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

58 28.0 28.6 42.8#



#19

Methyl tert-butyl Ether

Concen: 0.925 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX019024.D

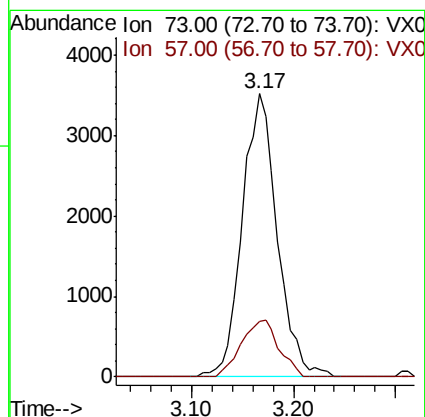
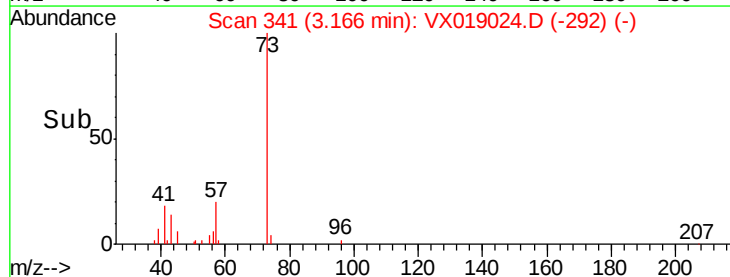
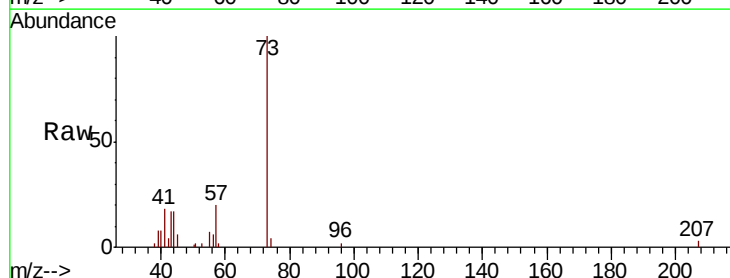
Acq: 22 Oct 2020 14:08

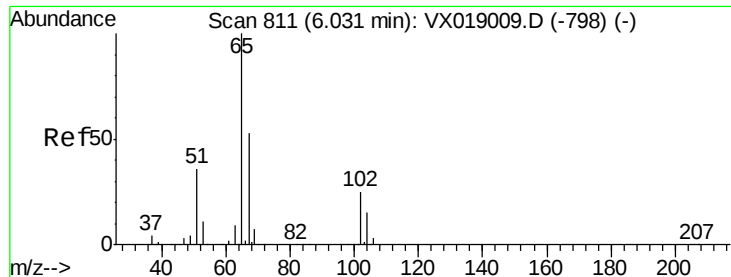
Tgt Ion: 73 Resp: 8355

Ion Ratio Lower Upper

73 100

57 19.5 16.2 24.2





#33

1,2-Dichloroethane-d4

Concen: 50.226 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

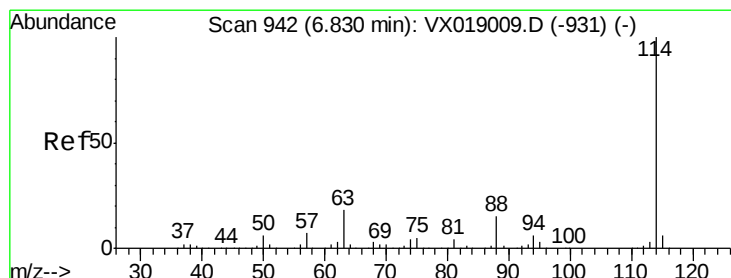
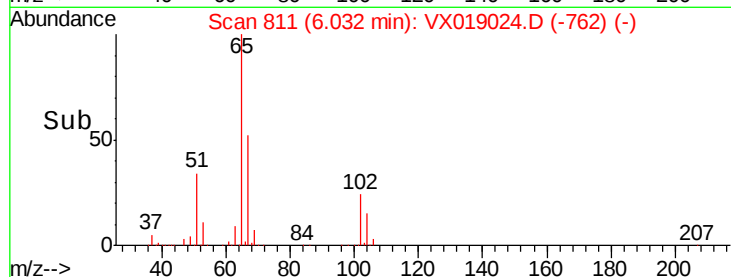
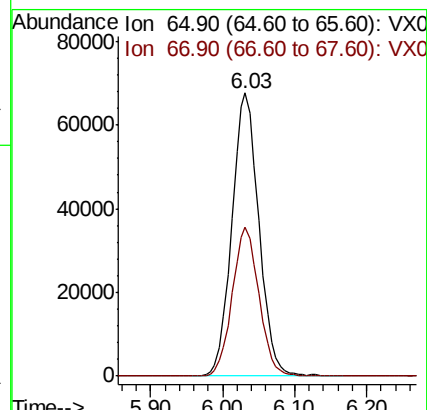
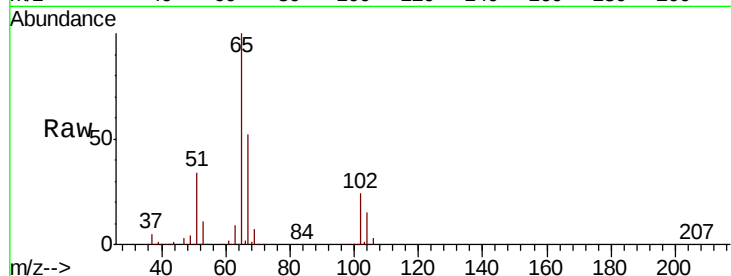
MW-7

Tot Ion: 65 Resp: 176237

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: VX019024.D

Acq: 22 Oct 2020 14:08

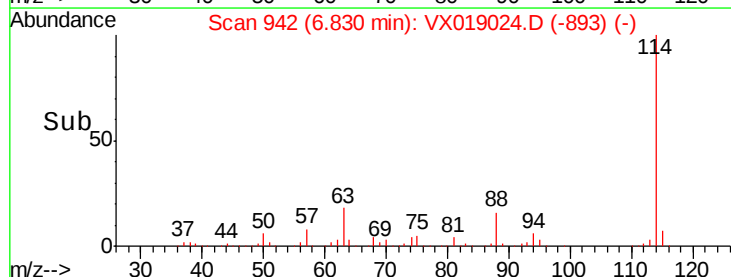
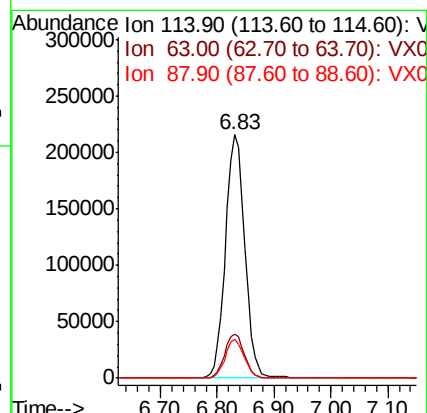
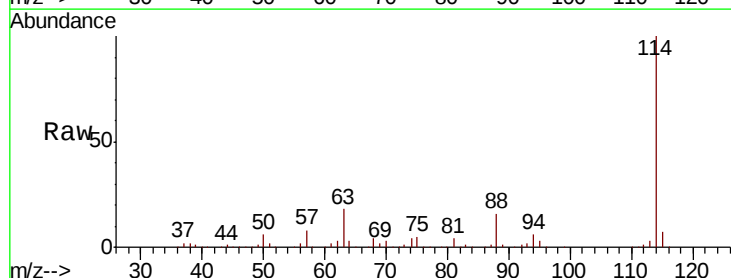
Tgt Ion: 114 Resp: 509214

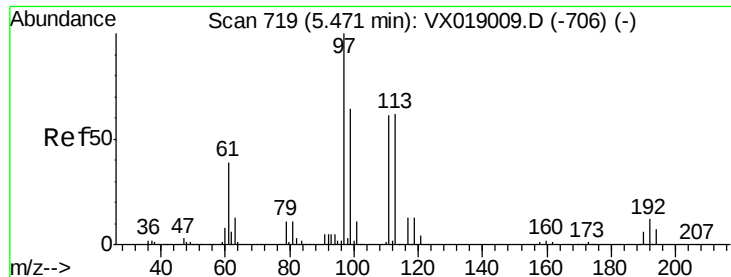
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.7 0.0 30.2

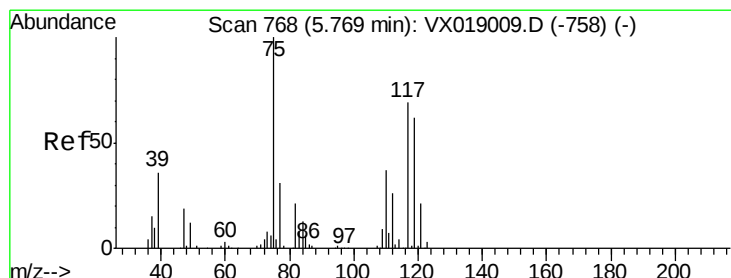
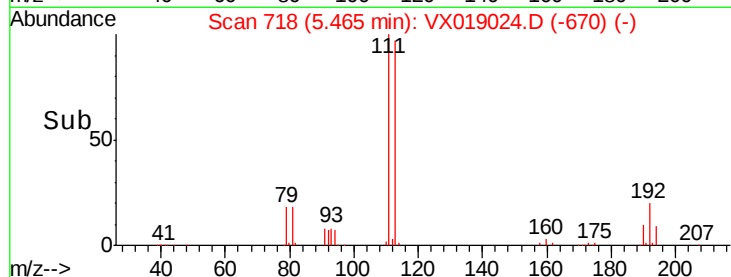
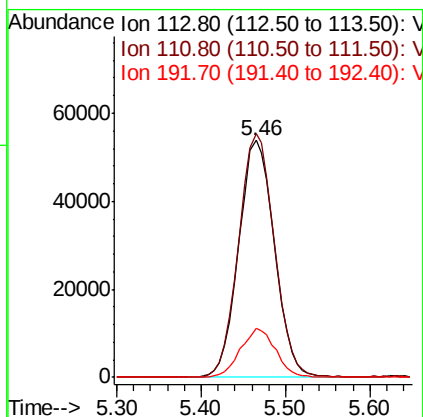
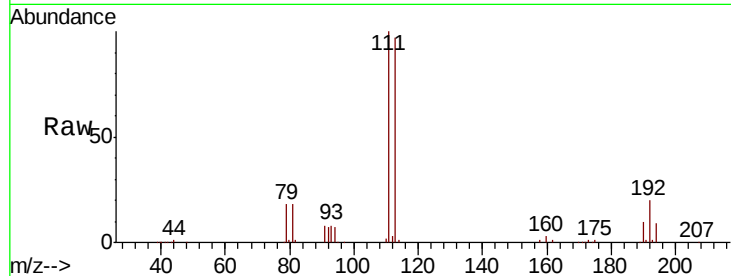




#35
 Dibromofluoromethane
 Concen: 47.937 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019024.D
 Acq: 22 Oct 2020 14:08

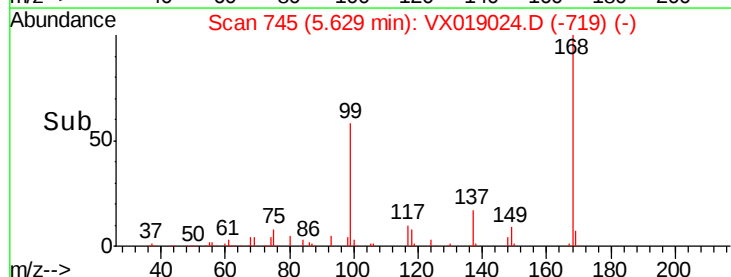
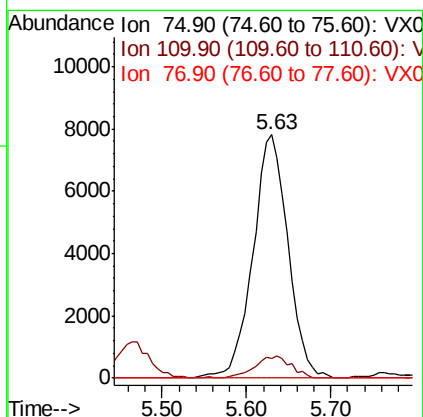
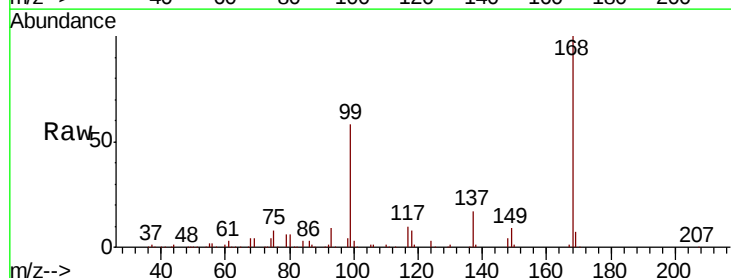
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

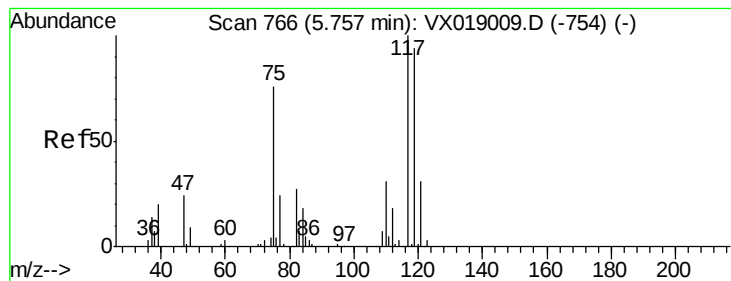
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	20.2	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.869 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019024.D
 Acq: 22 Oct 2020 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.4	58.2#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

MW-7

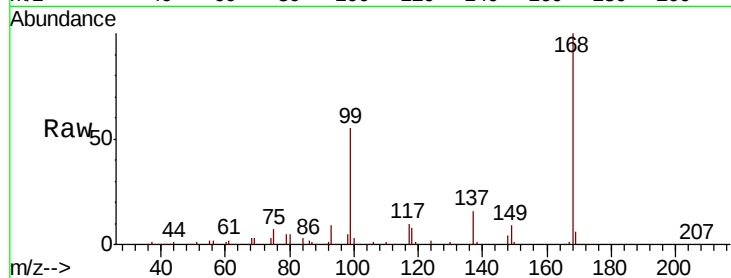
Tot Ion:117 Resp: 27984

Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

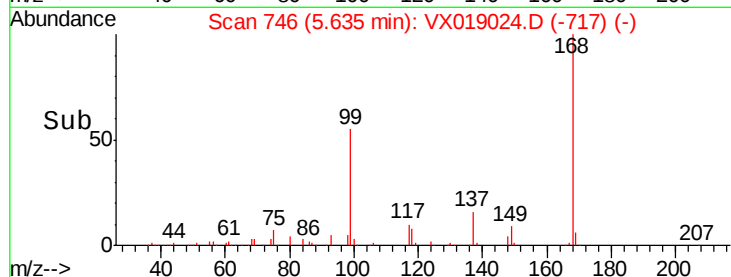
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

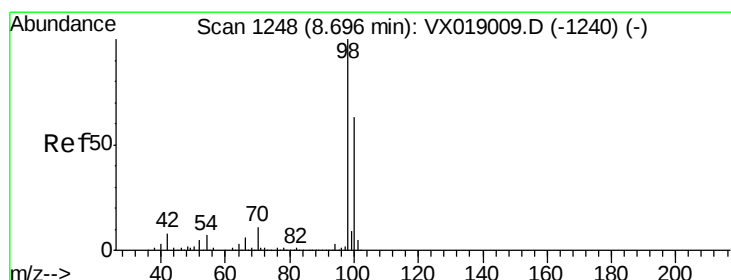
10000

5000

5.64



Time-->



#50

Toluene-d8

Concen: 51.020 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019024.D

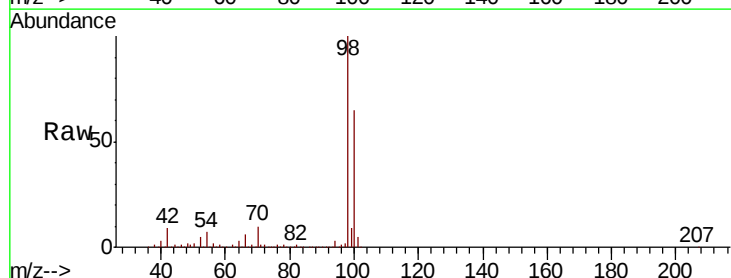
Acq: 22 Oct 2020 14:08

Tgt Ion: 98 Resp: 627691

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

500000

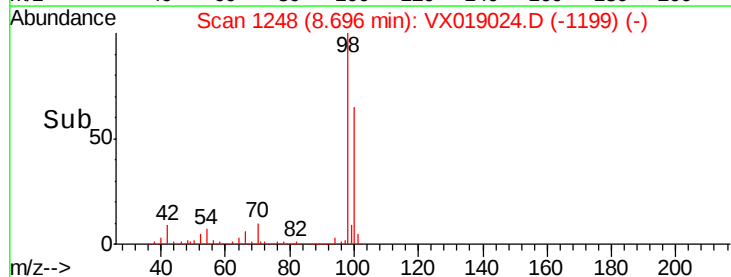
400000

300000

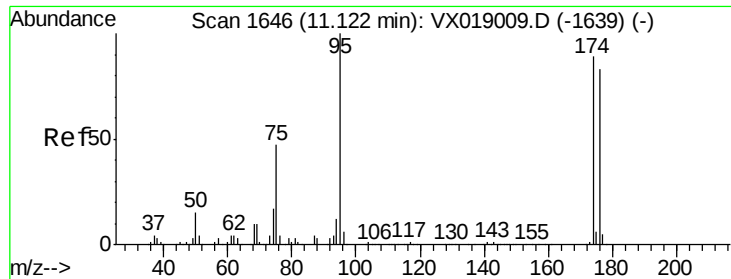
200000

100000

8.70



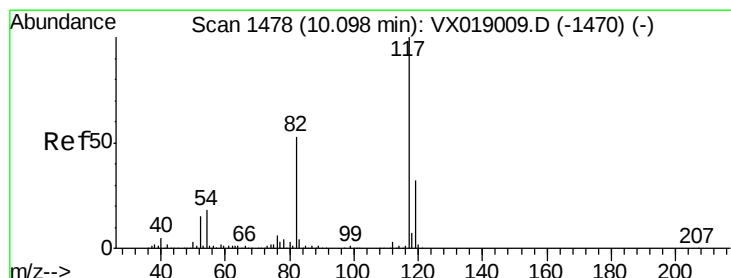
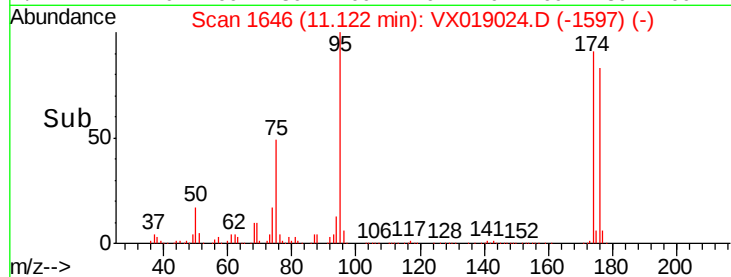
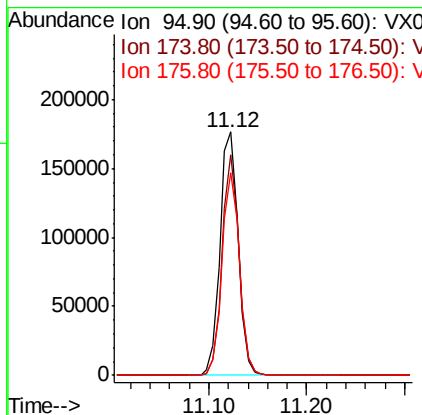
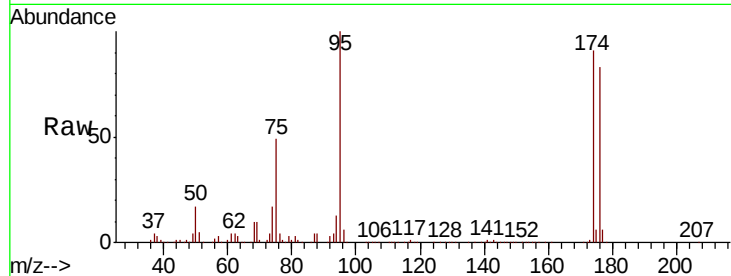
Time-->



#62
4-Bromofluorobenzene
Concen: 51.928 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019024.D
Acq: 22 Oct 2020 14:08

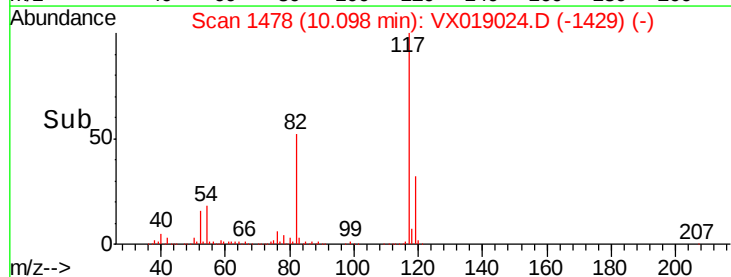
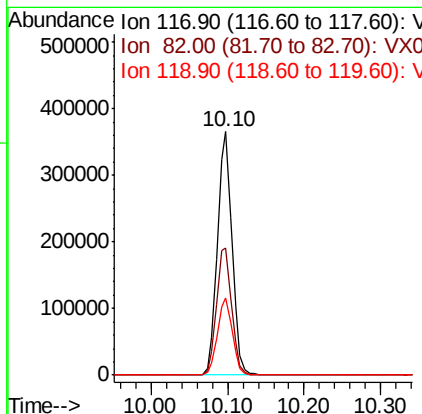
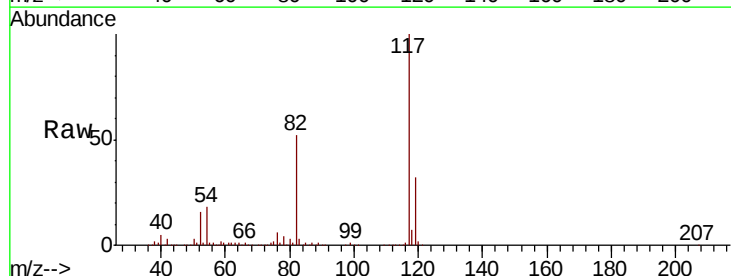
Instrument :
MSVOA_X
ClientSampled :
MW-7

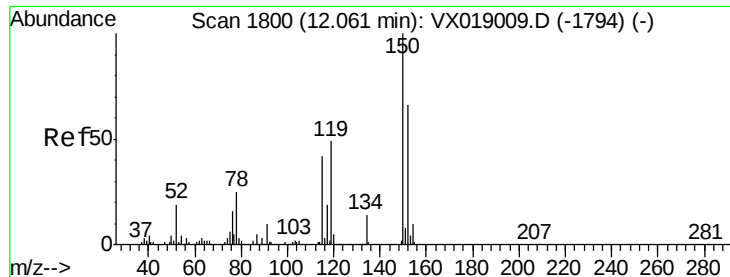
Tot Ion: 95 Resp: 227248
Ion Ratio Lower Upper
95 100
174 84.3 0.0 167.6
176 80.3 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019024.D
Acq: 22 Oct 2020 14:08

Tgt Ion: 117 Resp: 482847
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 31.6 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: VX019024.D

Acq: 22 Oct 2020 14:08

Instrument :

MSVOA_X

ClientSampleId :

MW-7

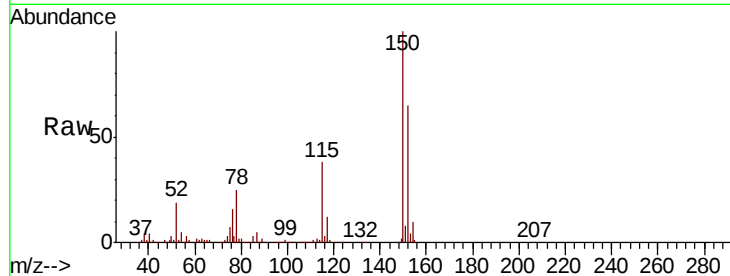
Tot Ion:152 Resp: 243836

Ion Ratio Lower Upper

152 100

115 58.3 40.8 122.5

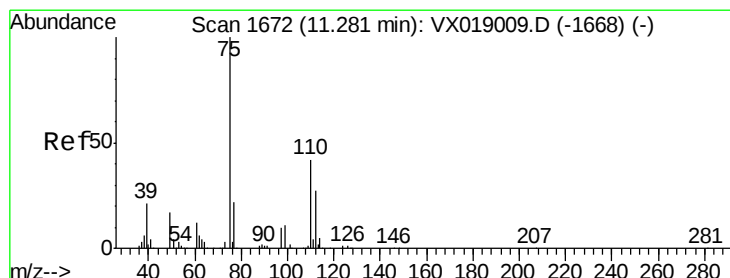
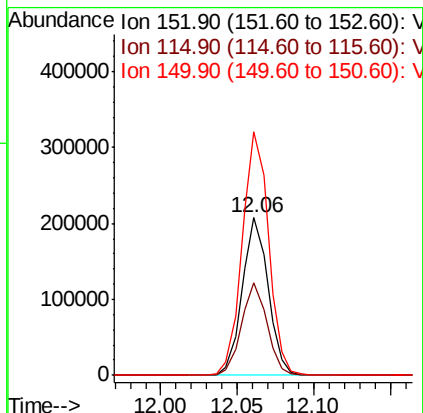
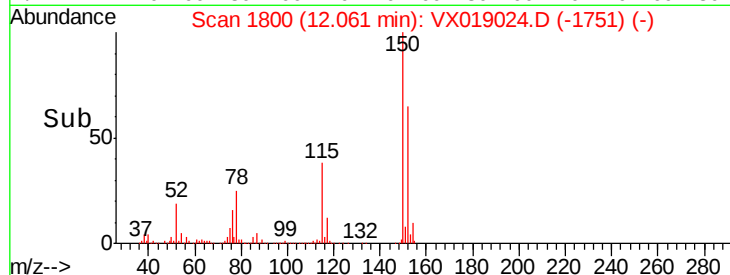
150 157.5 0.0 345.6



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: 23.008 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019024.D

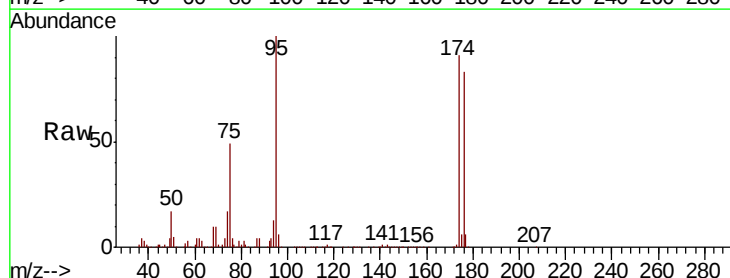
Acq: 22 Oct 2020 14:08

Tgt Ion: 75 Resp: 112129

Ion Ratio Lower Upper

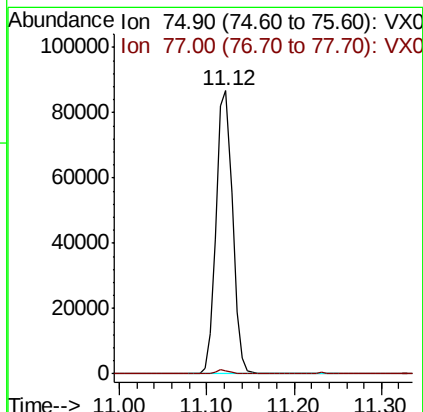
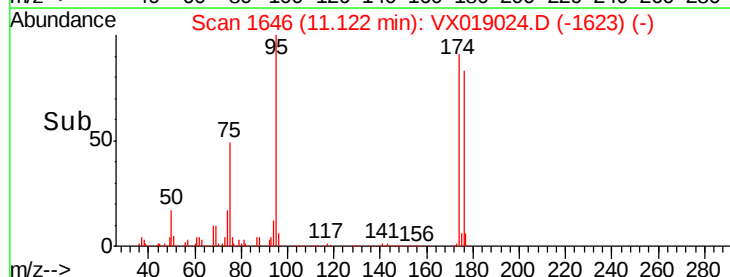
75 100

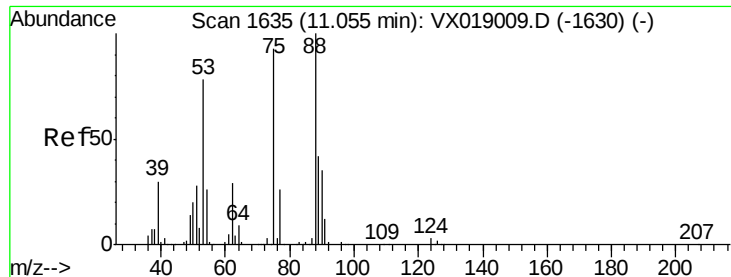
77 1.3 20.7 62.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

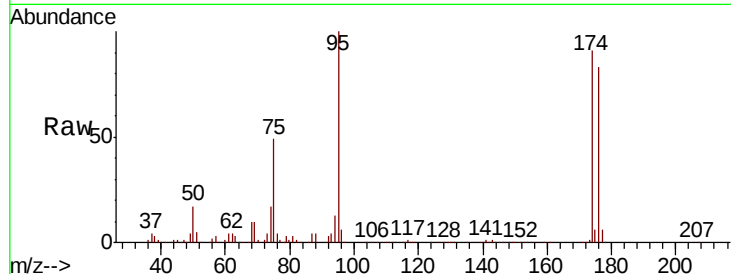




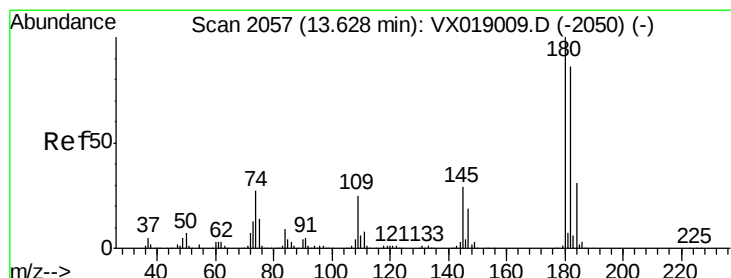
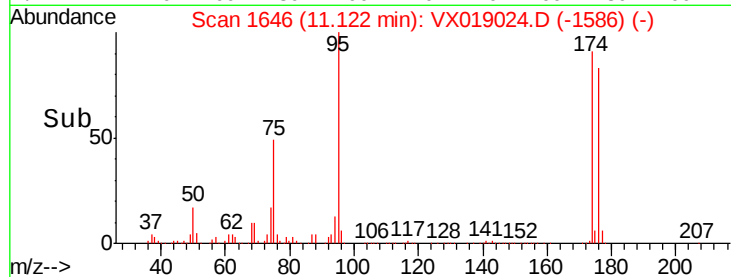
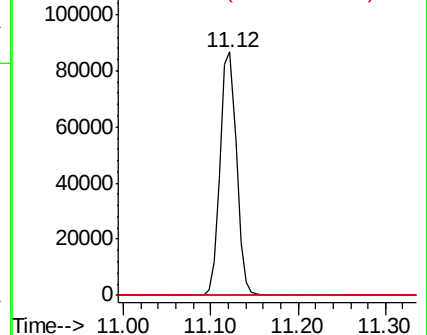
#81
trans-1,4-Dichloro-2-butene
Concen: 58.618 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019024.D
Acq: 22 Oct 2020 14:08

Instrument :
MSVOA_X
ClientSampleId :
MW-7

Tot Ion: 75 Resp: 112129
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 37.2 55.8#

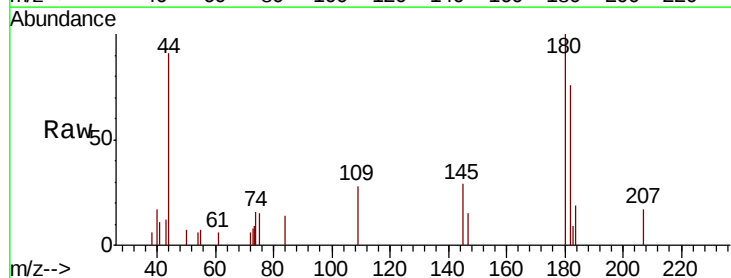


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX019024.D
Acq: 22 Oct 2020 14:08

Tgt Ion:180 Resp: 1121
Ion Ratio Lower Upper
180 100
182 85.3 46.4 139.2
145 31.5 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

