

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019104.D
 Acq On : 24 Oct 2020 04:06
 Operator : JC/SP
 Sample : L4417-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10D

Quant Time: Oct 26 05:39:33 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	261225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452235	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223619	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	159888	51.10	ug/l	0.00
Spiked Amount						
			Recovery	=	102.20%	
35) Dibromofluoromethane	5.46	113	140316	49.01	ug/l	0.00
Spiked Amount						
			Recovery	=	98.02%	
50) Toluene-d8	8.70	98	561342	51.38	ug/l	0.00
Spiked Amount						
			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.12	95	201452	51.83	ug/l	0.00
Spiked Amount						
			Recovery	=	103.66%	

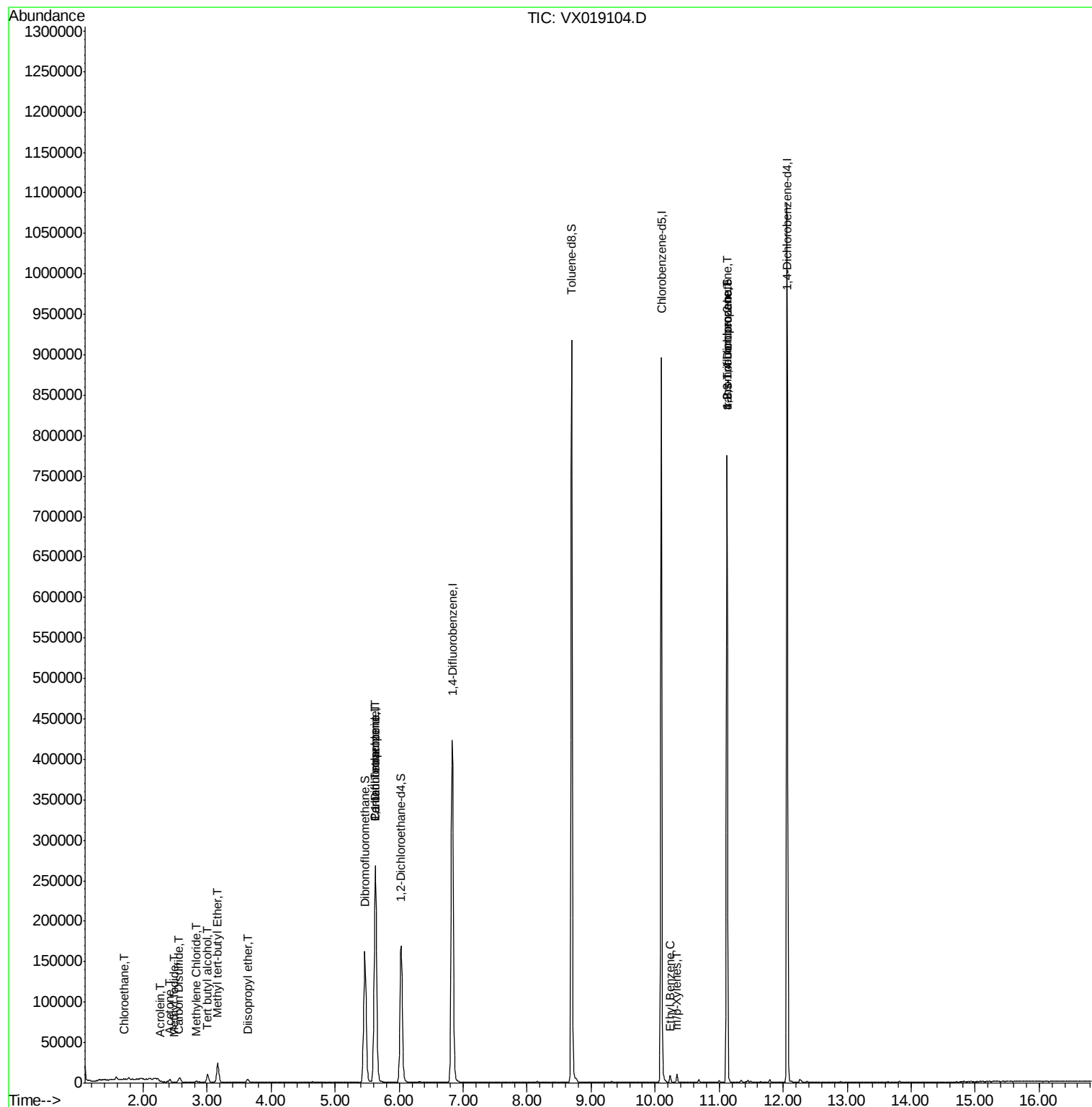
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	228	Below Cal	#	64
6) Chloroethane	1.71	64	46	1.290	ug/l #	1
10) Methyl Iodide	2.49	142	52	4.784	ug/l #	42
11) Tert butyl alcohol	3.01	59	12501	19.726	ug/l	99
13) Acrolein	2.27	56	81	13.945	ug/l #	1
16) Acetone	2.42	43	3488	3.273	ug/l	94
17) Carbon Disulfide	2.56	76	3974	0.542	ug/l #	90
19) Methyl tert-butyl Ether	3.17	73	29261	3.633	ug/l	97
20) Methylene Chloride	2.84	84	664	0.224	ug/l	94
22) Diisopropyl ether	3.64	45	1930	0.298	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19127	4.714	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25126	5.899	ug/l #	17
67) Ethyl Benzene	10.24	91	4836	0.312	ug/l	91
68) m/p-Xylenes	10.34	106	2453	0.413	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	99496	22.261	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	99496	56.716	ug/l #	15

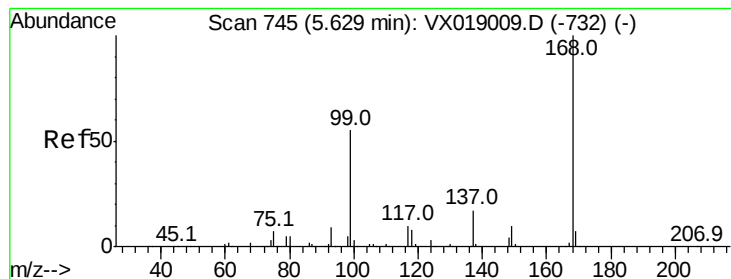
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

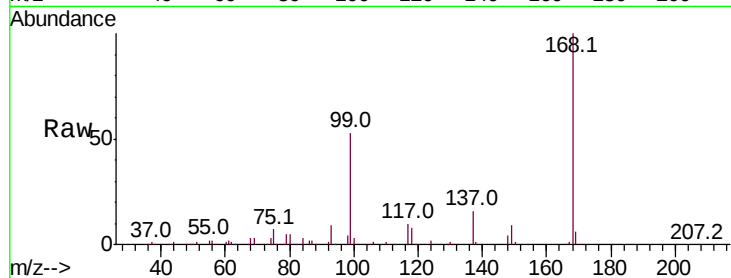
MW-10D

Tot Ion:168 Resp: 261225

Ion Ratio Lower Upper

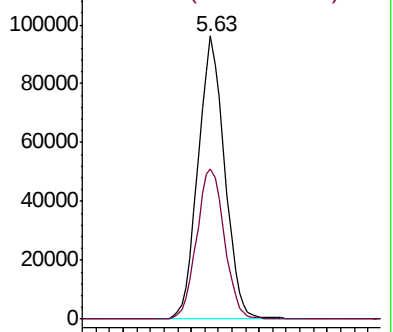
168 100

99 52.9 44.2 66.2

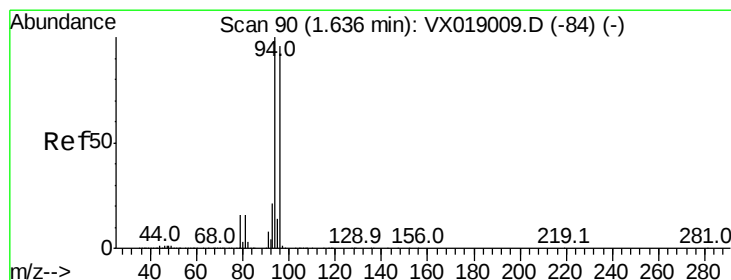
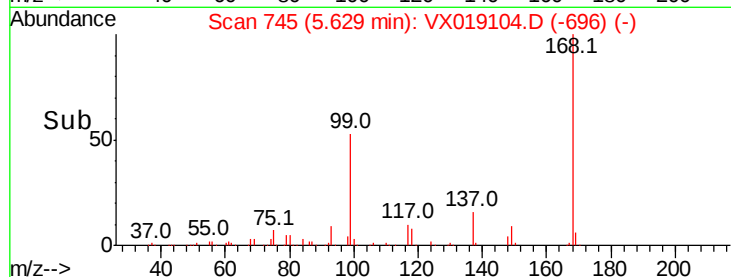


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019104.D

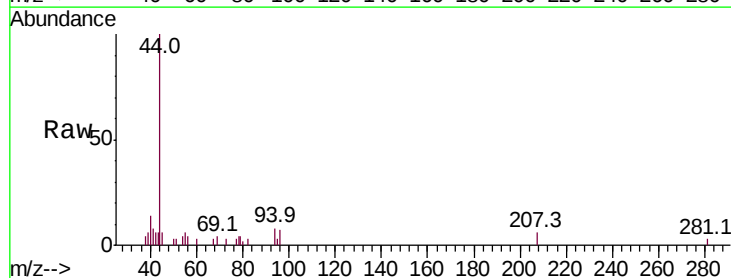
Acq: 24 Oct 2020 04:06

Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

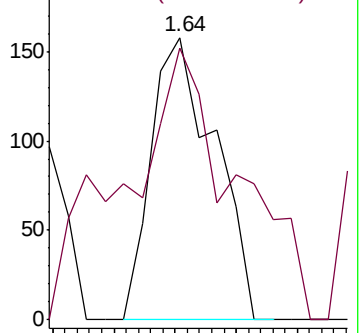
94 100

96 60.8 77.1 115.7#

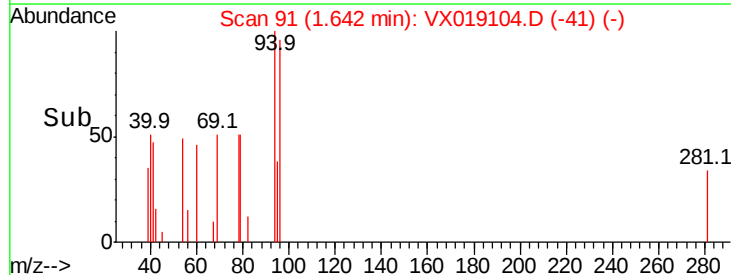


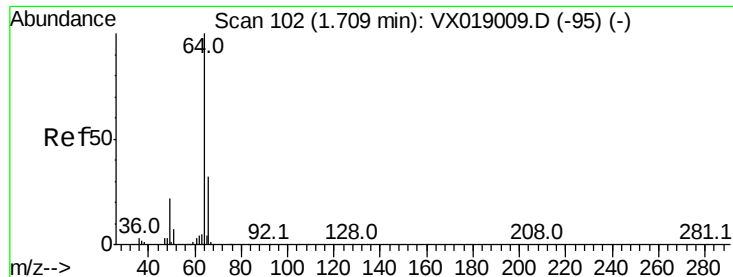
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 1.290 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

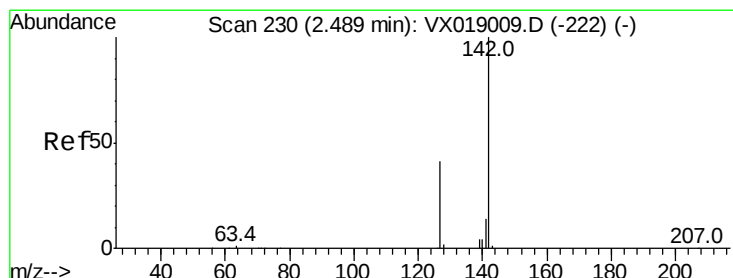
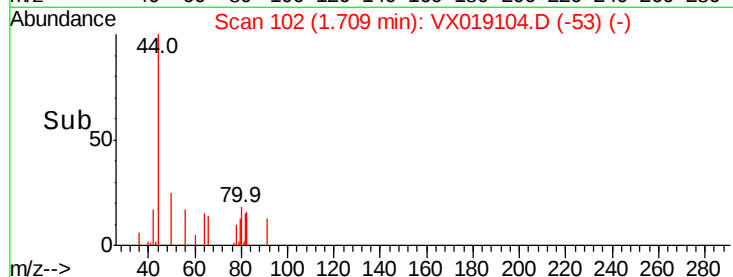
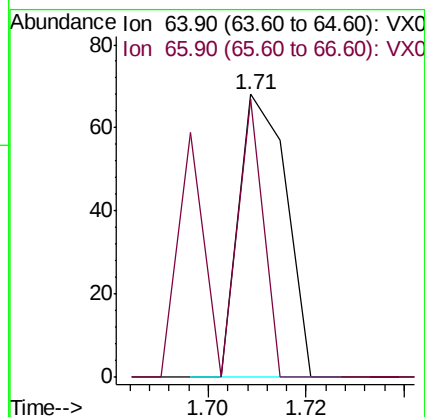
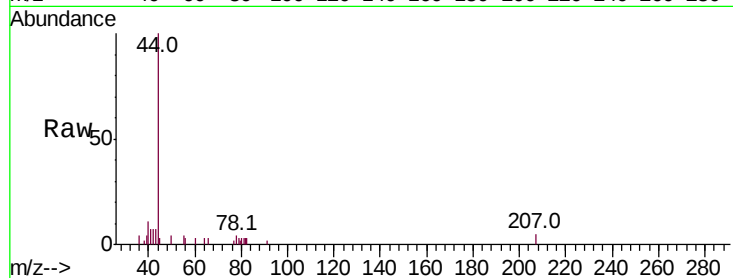
MW-10D

Tot Ion: 64 Resp: 46

Ion Ratio Lower Upper

64 100

66 98.5 25.7 38.5#



#10

Methyl Iodide

Concen: 4.784 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

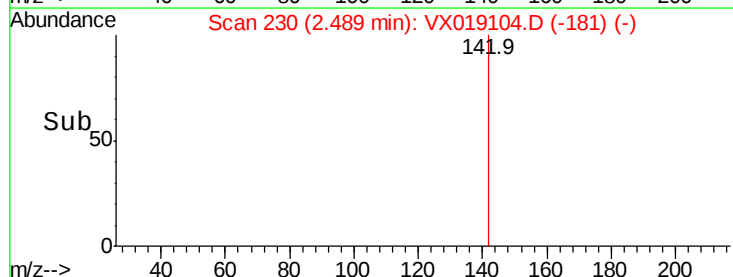
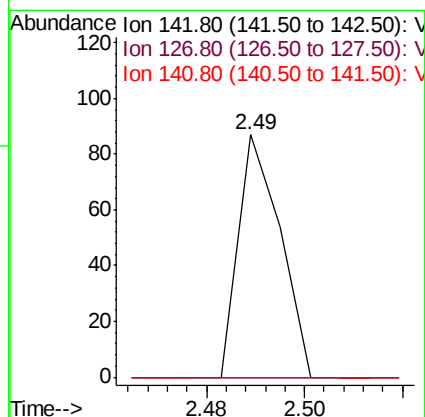
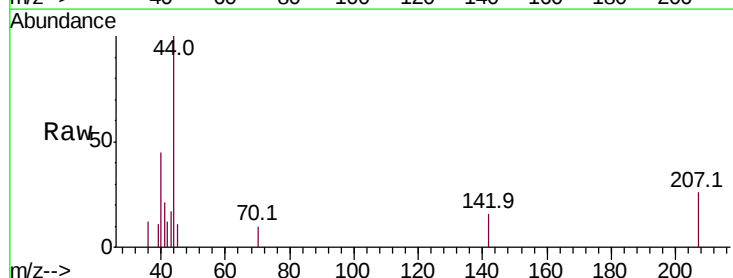
Tgt Ion: 142 Resp: 52

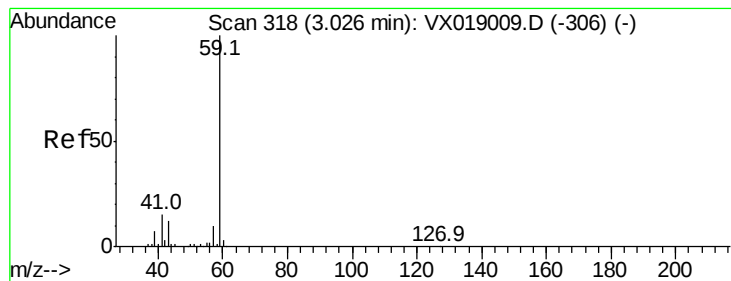
Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.2 16.8#



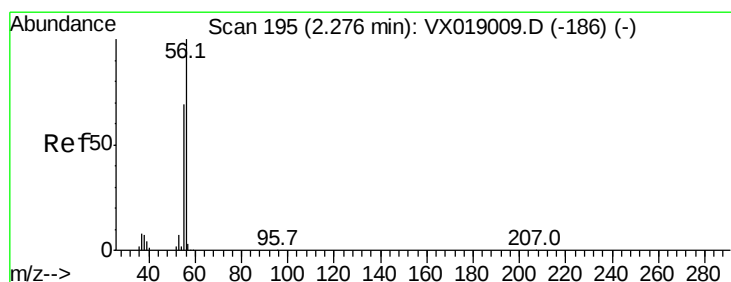
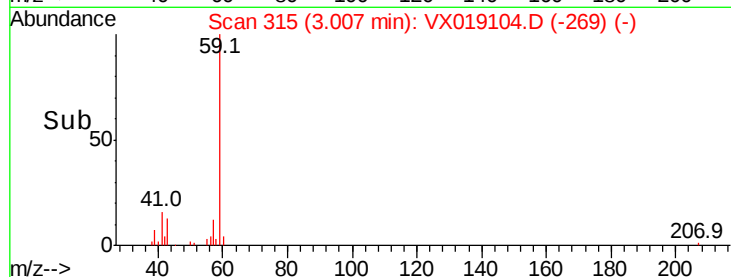
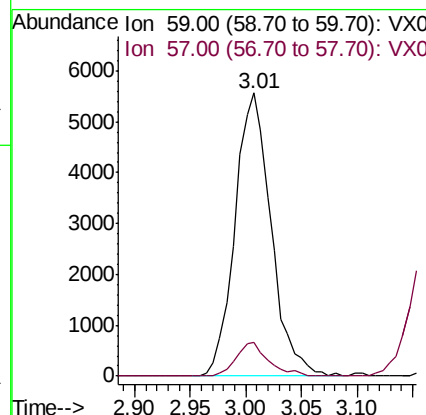
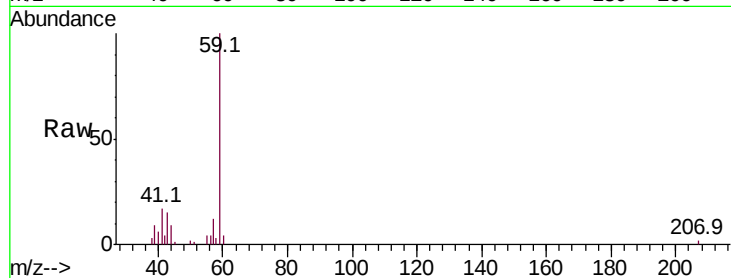


#11

Tert butyl alcohol
 Concen: 19.726 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VX019104.D
 Acq: 24 Oct 2020 04:06

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10D

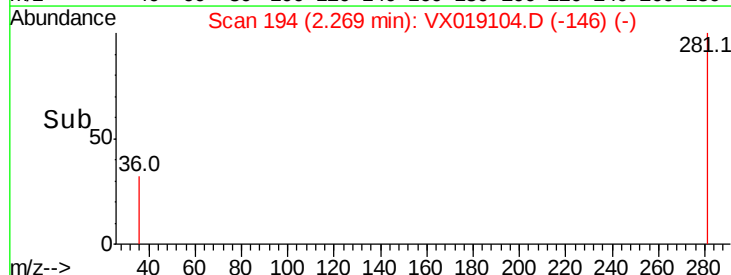
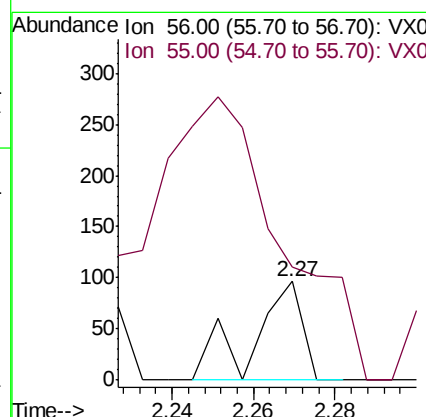
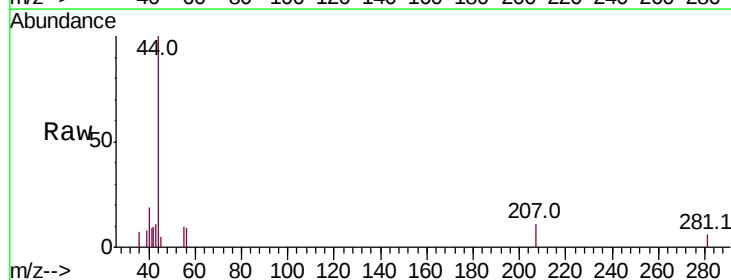
Tot Ion: 59 Resp: 12501
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

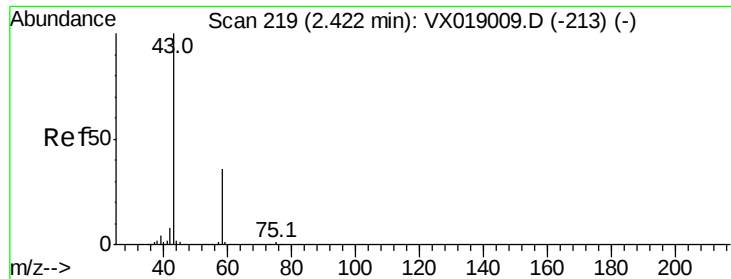


#13

Acrolein
 Concen: 13.945 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX019104.D
 Acq: 24 Oct 2020 04:06

Tgt Ion: 56 Resp: 81
 Ion Ratio Lower Upper
 56 100
 55 767.9 54.2 81.4#





#16

Acetone

Concen: 3.273 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

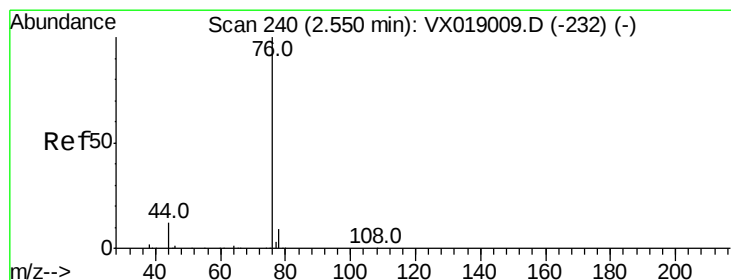
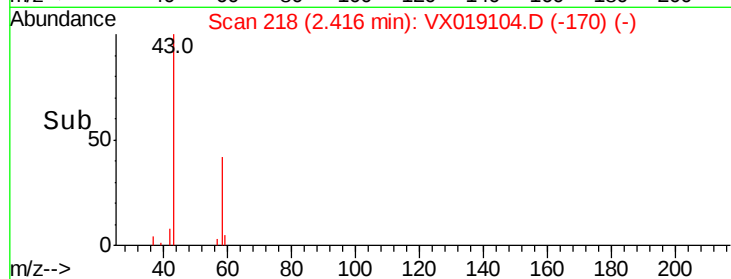
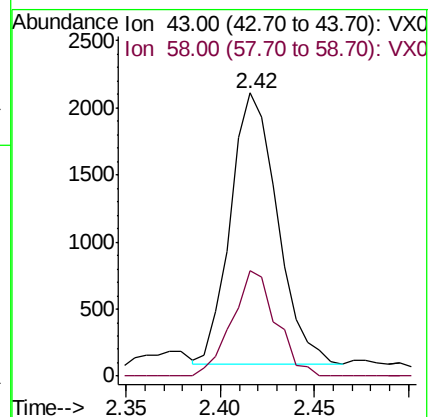
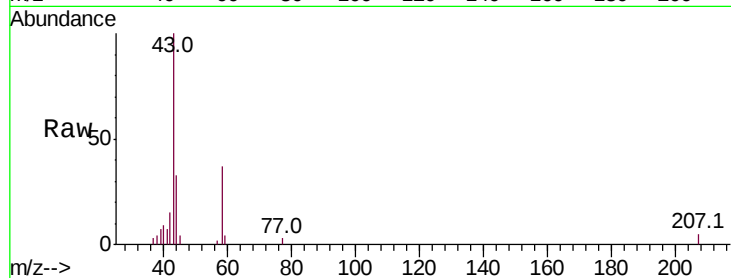
MW-10D

Tot Ion: 43 Resp: 3488

Ion Ratio Lower Upper

43 100

58 39.1 28.6 42.8



#17

Carbon Disulfide

Concen: 0.542 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019104.D

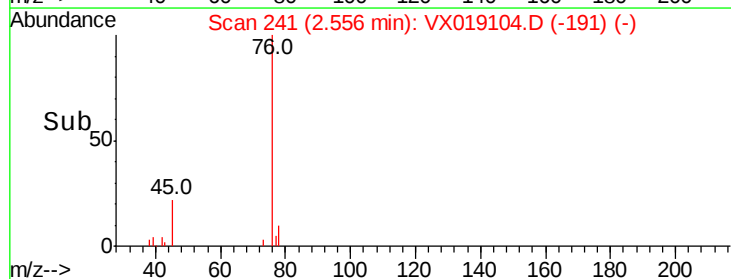
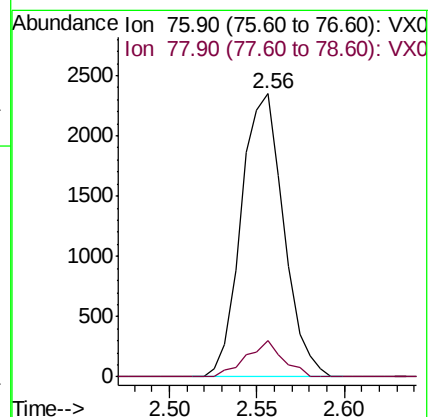
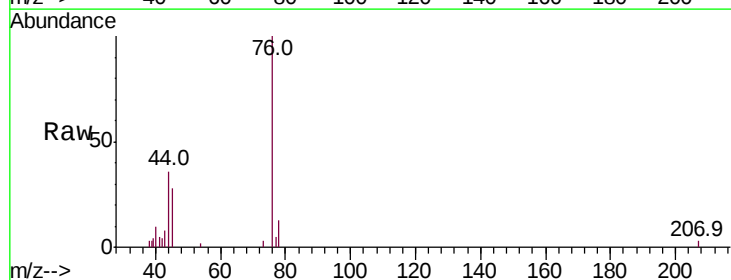
Acq: 24 Oct 2020 04:06

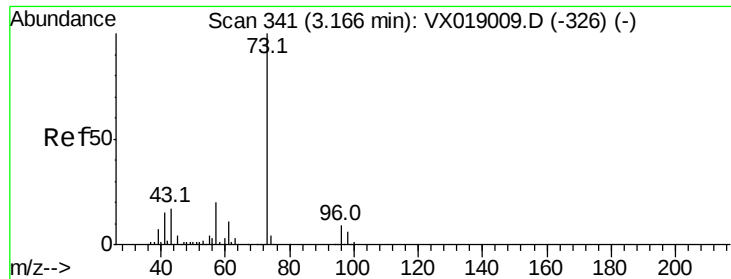
Tgt Ion: 76 Resp: 3974

Ion Ratio Lower Upper

76 100

78 12.6 7.1 10.7#



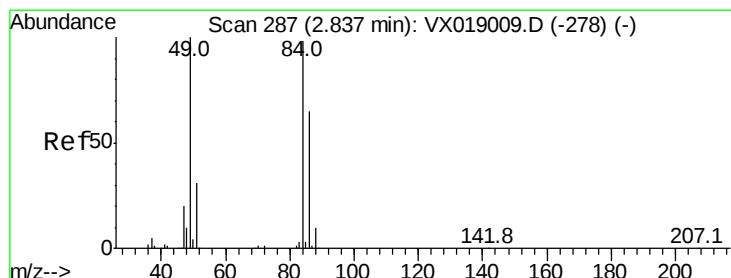
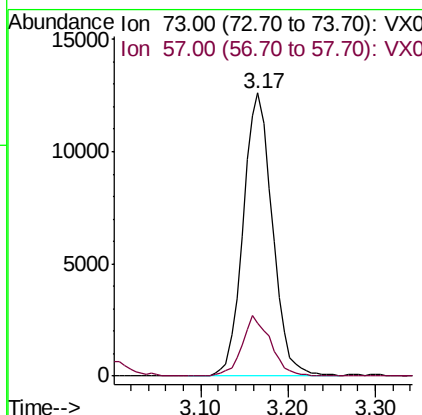
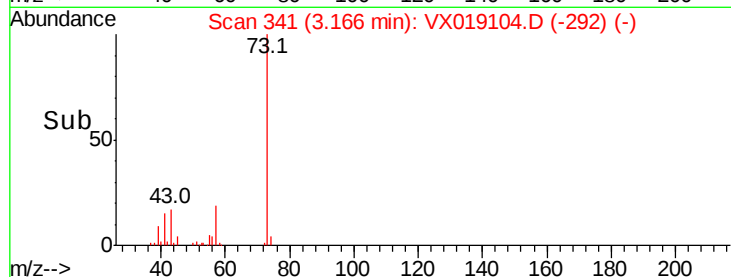
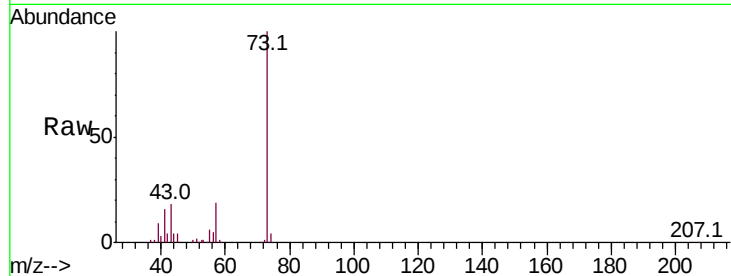


#19

Methyl tert-butyl Ether
 Concen: 3.633 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX019104.D
 Acq: 24 Oct 2020 04:06

Instrument :
 MSVOA_X
 ClientSampled :
 MW-10D

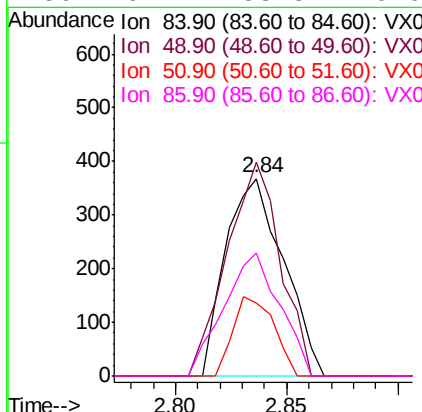
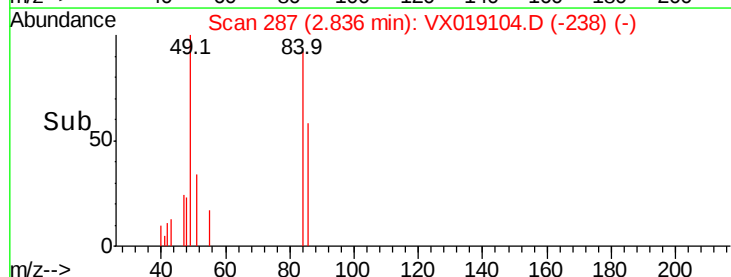
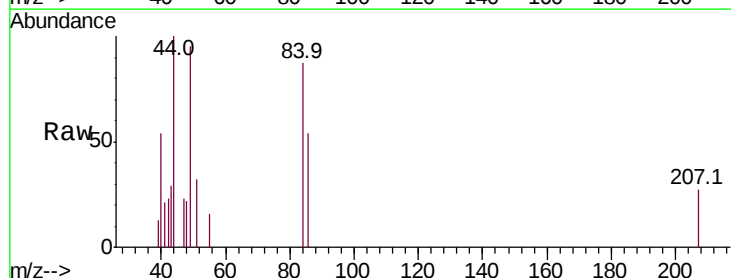
Tot Ion: 73 Resp: 29261
 Ion Ratio Lower Upper
 73 100
 57 18.7 16.2 24.2

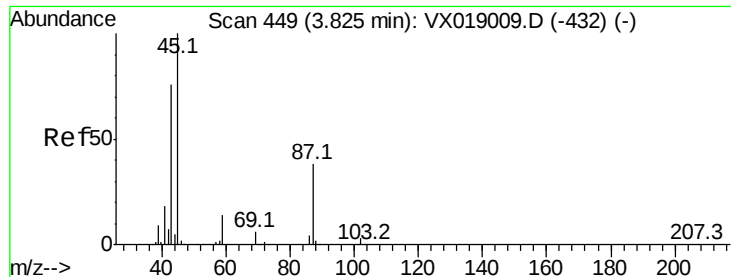


#20

Methylene Chloride
 Concen: 0.224 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX019104.D
 Acq: 24 Oct 2020 04:06

Tgt Ion: 84 Resp: 664
 Ion Ratio Lower Upper
 84 100
 49 108.2 81.6 122.4
 51 36.7 25.6 38.4
 86 62.2 53.3 79.9





#22

Diisopropyl ether

Concen: 0.298 ug/l

RT: 3.64 min Scan# 418

Delta R.T. -0.19 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

MW-10D

Tot Ion: 45 Resp: 1930

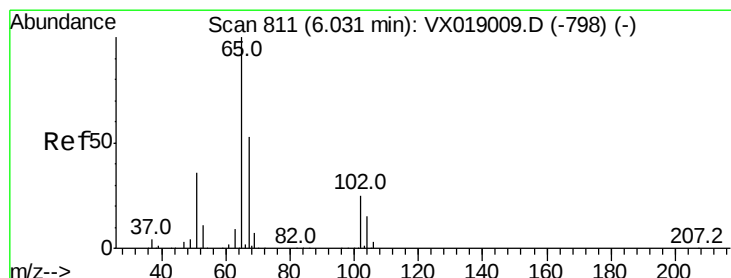
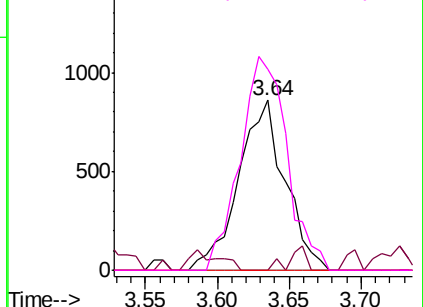
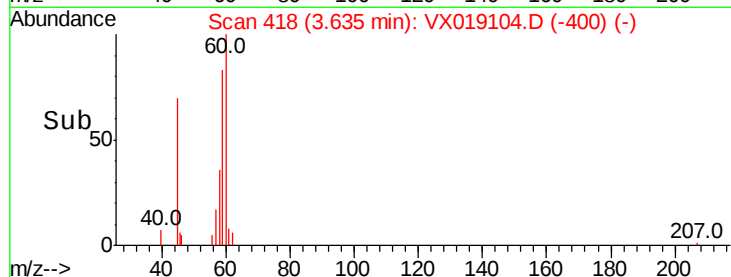
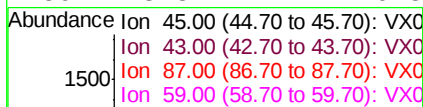
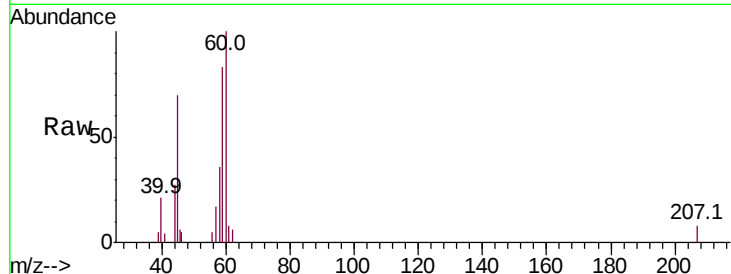
Ion Ratio Lower Upper

45 100

43 0.0 60.4 90.6#

87 0.0 30.4 45.6#

59 118.3 11.2 16.8#



#33

1,2-Dichloroethane-d4

Concen: 51.098 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019104.D

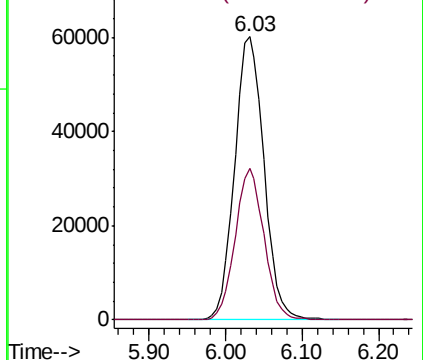
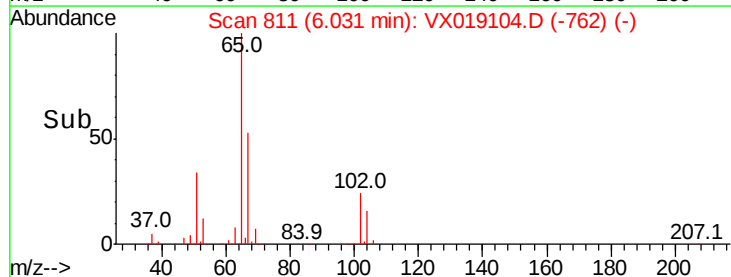
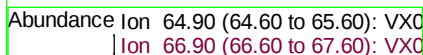
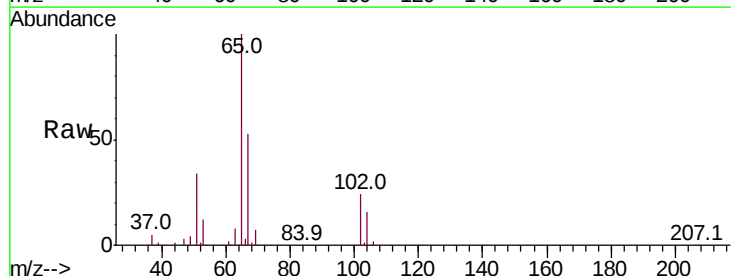
Acq: 24 Oct 2020 04:06

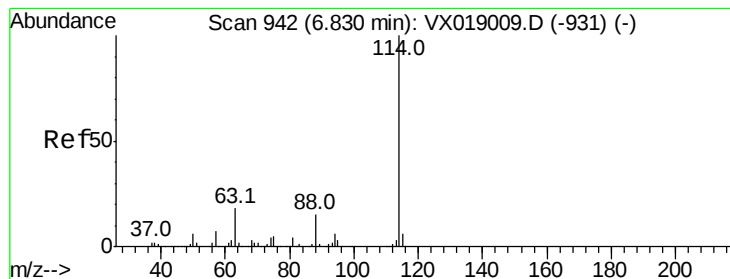
Tgt Ion: 65 Resp: 159888

Ion Ratio Lower Upper

65 100

67 52.3 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: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

MW-10D

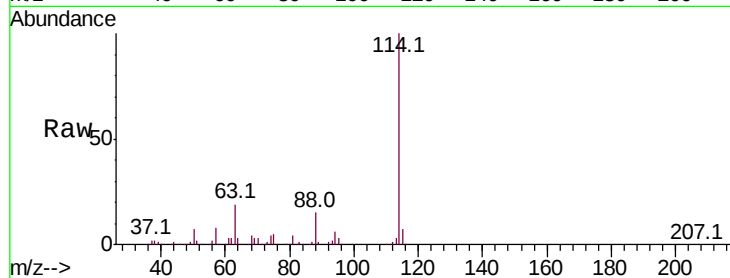
Tot Ion:114 Resp: 452235

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

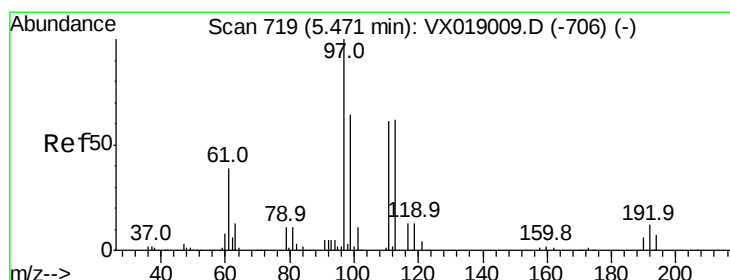
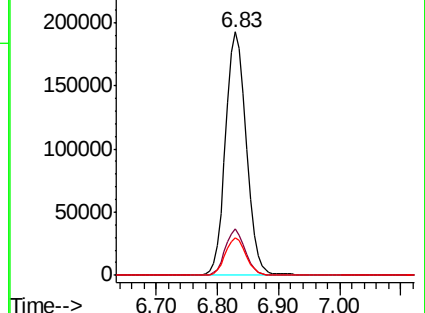
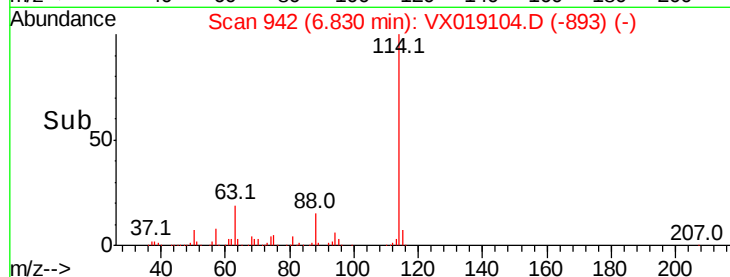
88 15.3 0.0 30.2



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: 49.006 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

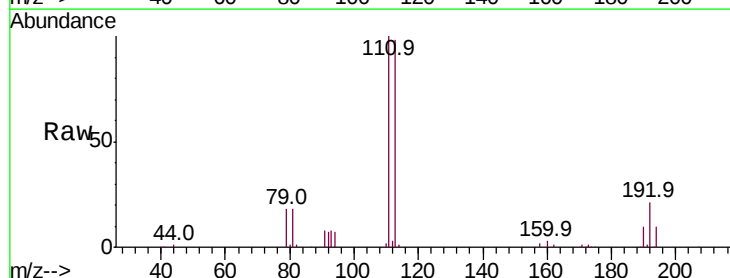
Tgt Ion:113 Resp: 140316

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

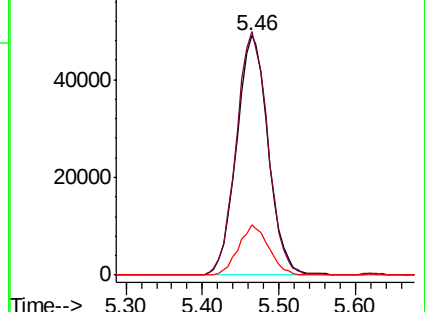
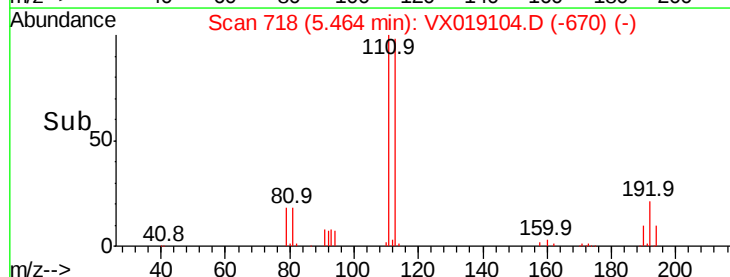
192 20.1 16.3 24.5

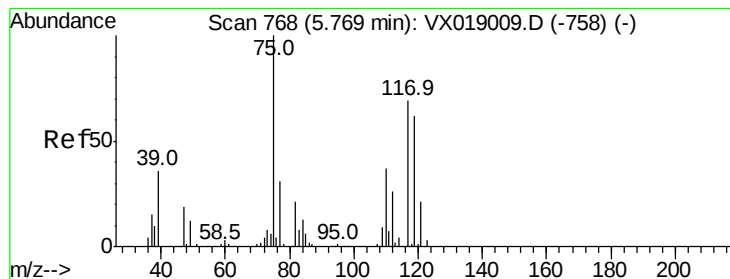


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

MW-10D

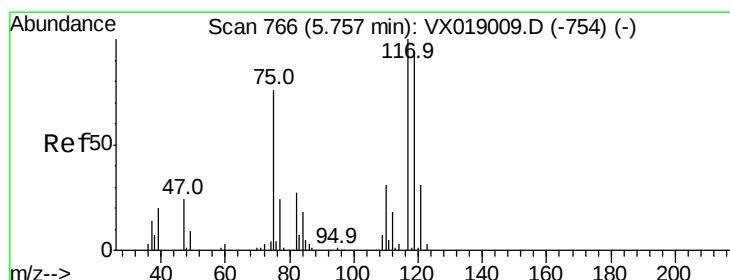
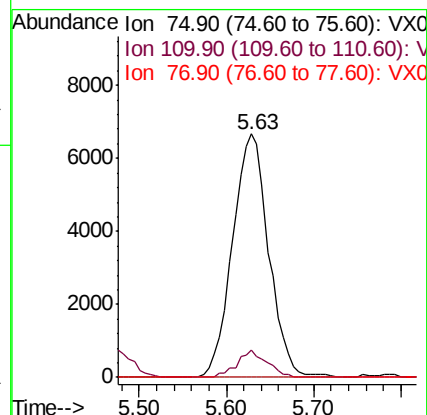
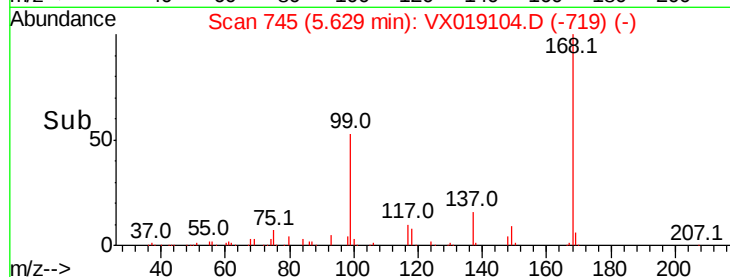
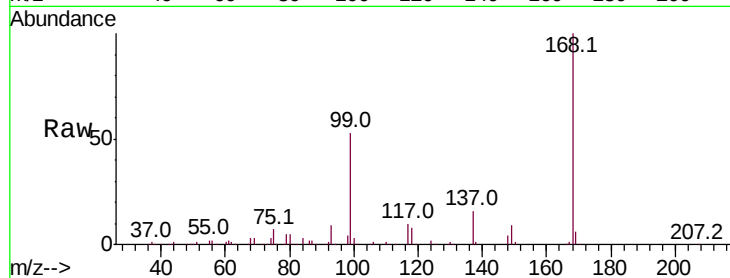
Tot Ion: 75 Resp: 19127

Ion Ratio Lower Upper

75 100

110 9.2 19.4 58.2#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

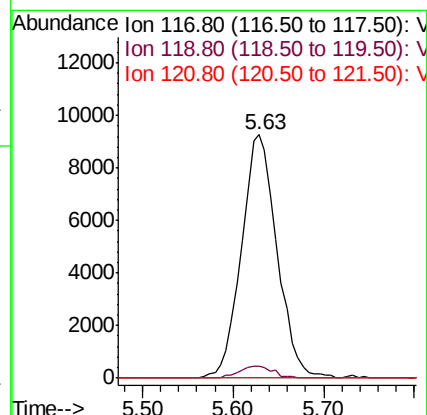
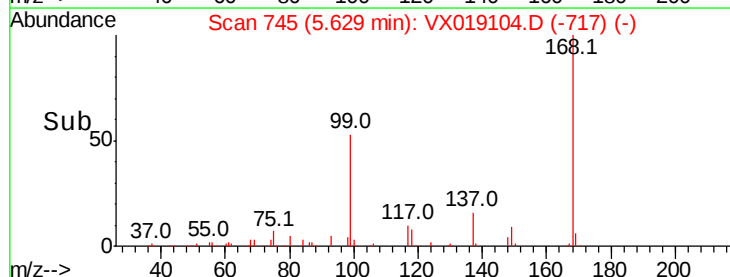
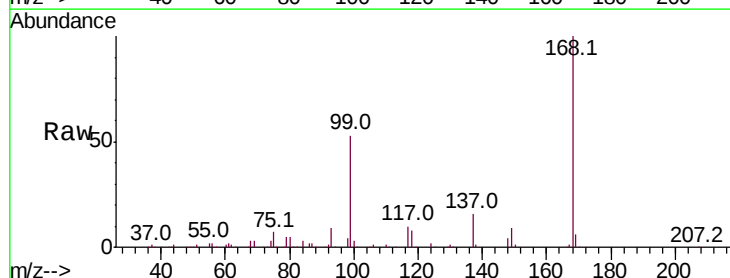
Tgt Ion: 117 Resp: 25126

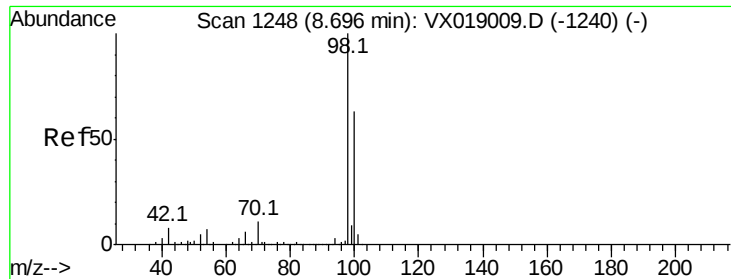
Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.0#

121 0.0 25.0 37.6#

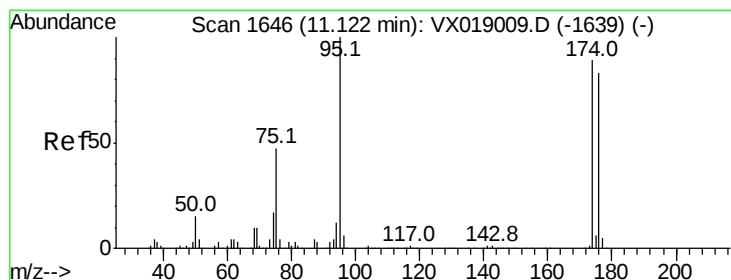
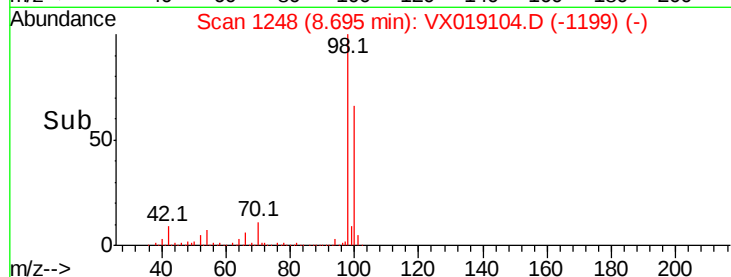
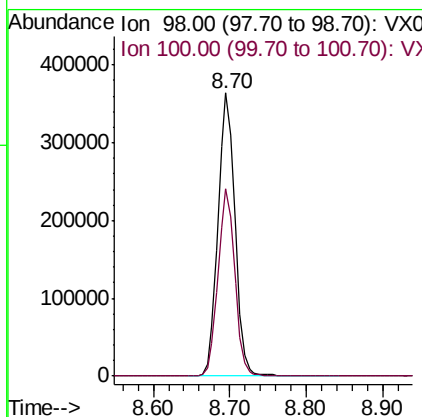
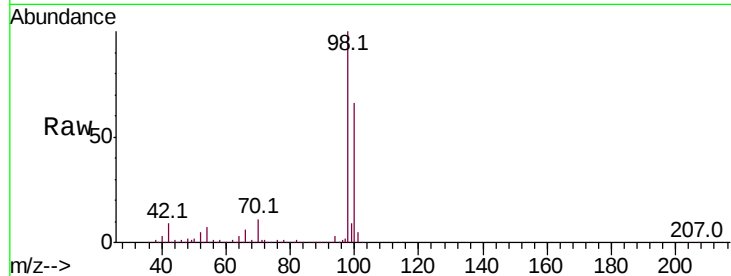




#50
Toluene-d8
Concen: 51.376 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019104.D
Acq: 24 Oct 2020 04:06

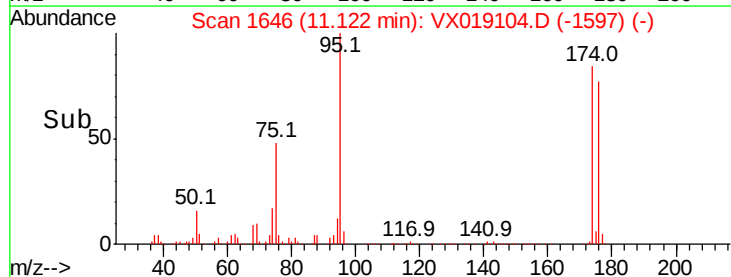
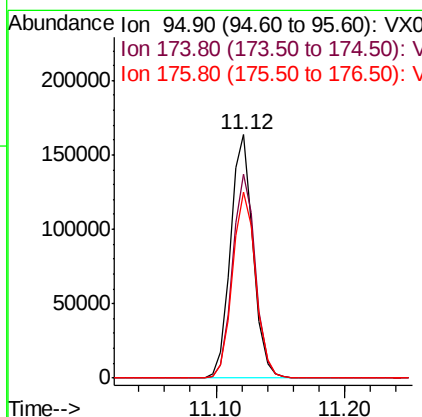
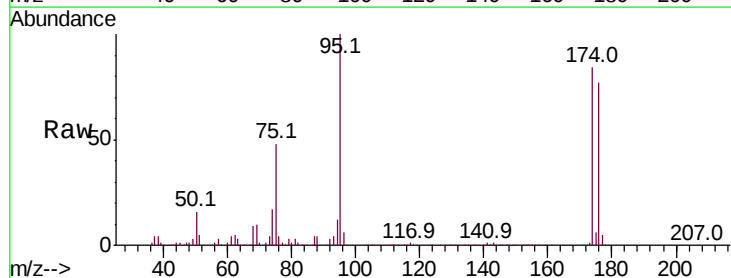
Instrument :
MSVOA_X
ClientSampleId :
MW-10D

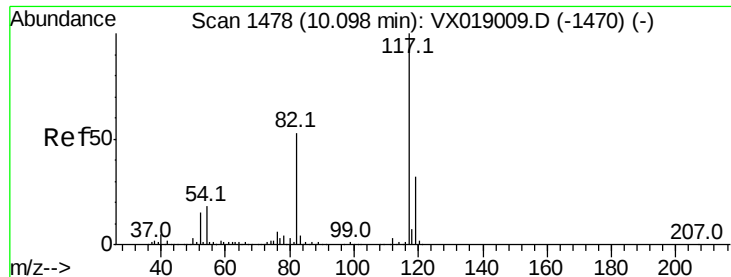
Tot Ion: 98 Resp: 561342
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019104.D
Acq: 24 Oct 2020 04:06

Tgt Ion: 95 Resp: 201452
Ion Ratio Lower Upper
95 100
174 84.9 0.0 167.6
176 78.8 0.0 165.2

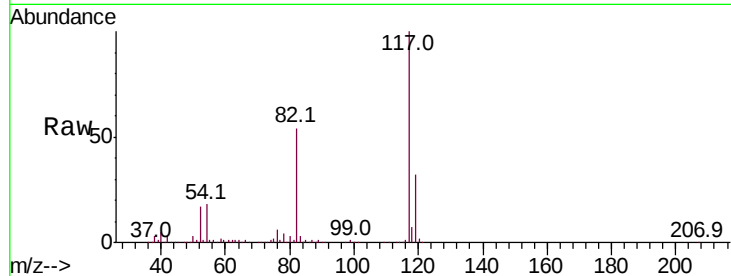




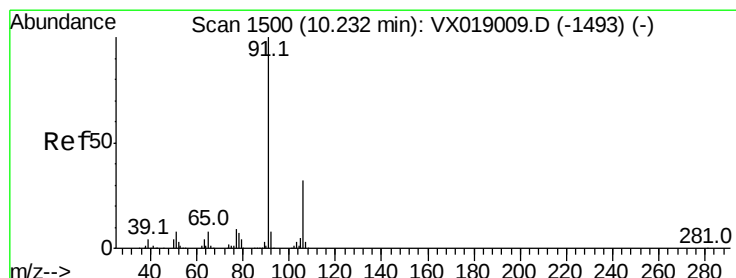
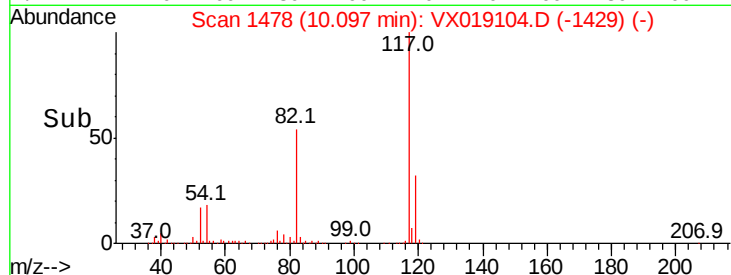
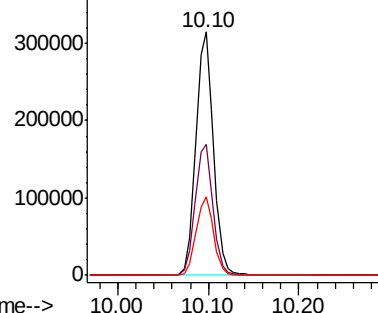
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019104.D
Acq: 24 Oct 2020 04:06

Instrument :
MSVOA_X
ClientSampleId :
MW-10D

Tot Ion:117 Resp: 428672
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 32.4 25.6 38.4

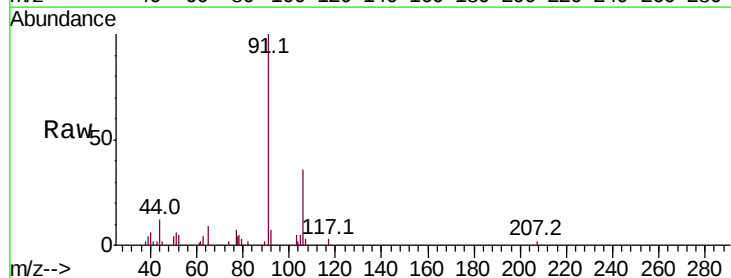


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

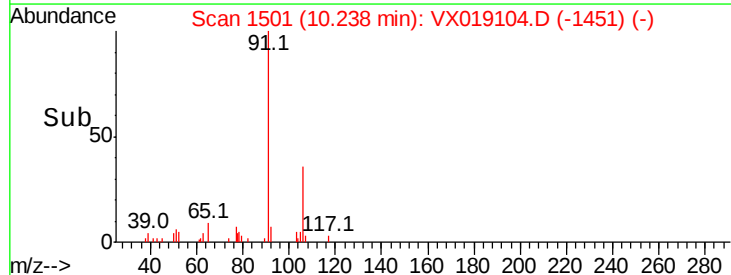
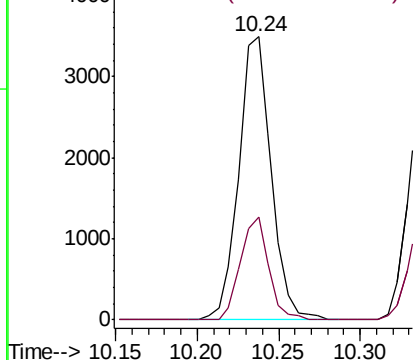


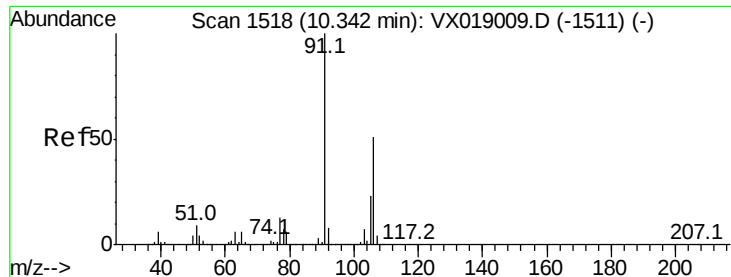
#67
Ethyl Benzene
Concen: 0.312 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019104.D
Acq: 24 Oct 2020 04:06

Tgt Ion: 91 Resp: 4836
Ion Ratio Lower Upper
91 100
106 36.3 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 0.413 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

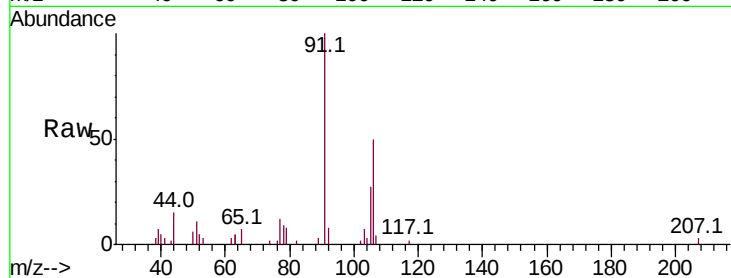
MW-10D

Tot Ion:106 Resp: 2453

Ion Ratio Lower Upper

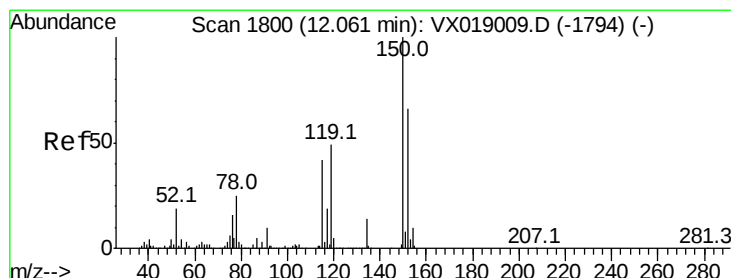
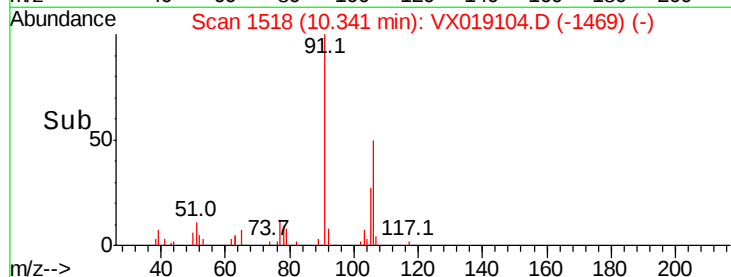
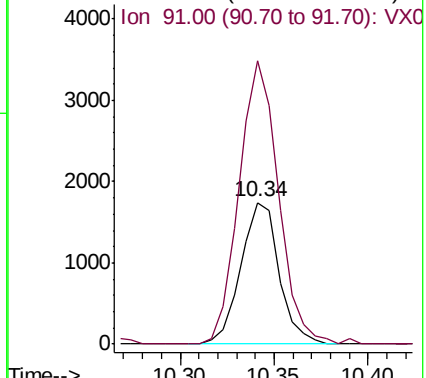
106 100

91 206.6 156.9 235.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VX019104.D

Acq: 24 Oct 2020 04:06

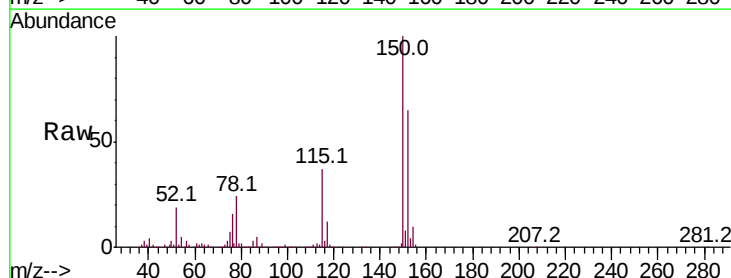
Tgt Ion:152 Resp: 223619

Ion Ratio Lower Upper

152 100

115 56.9 40.8 122.5

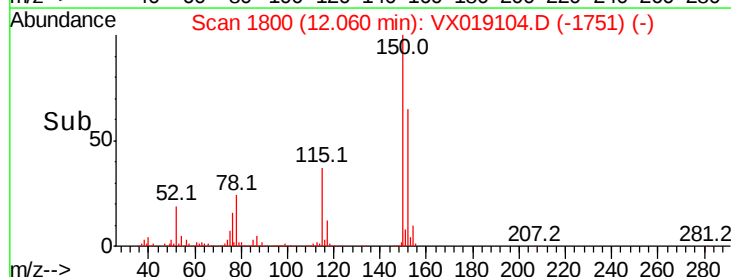
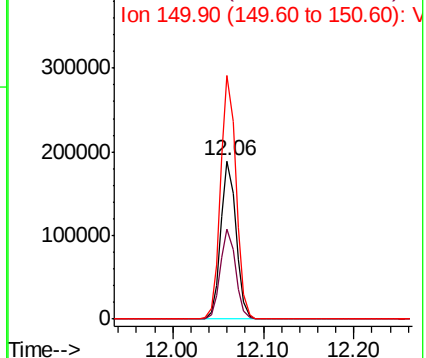
150 155.3 0.0 345.6

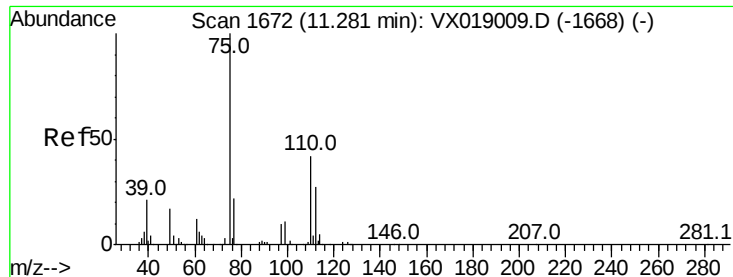


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.261 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Instrument :

MSVOA_X

ClientSampleId :

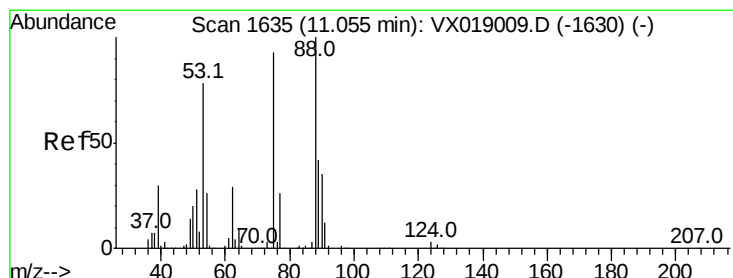
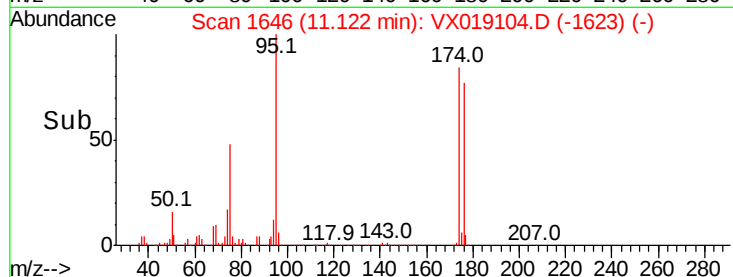
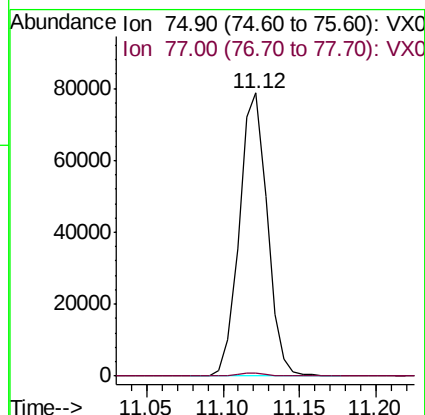
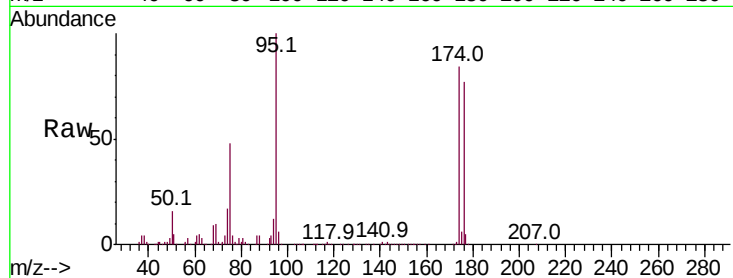
MW-10D

Tot Ion: 75 Resp: 99496

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.716 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019104.D

Acq: 24 Oct 2020 04:06

Tgt Ion: 75 Resp: 99496

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

