

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019103.D
 Acq On : 24 Oct 2020 03:44
 Operator : JC/SP
 Sample : L4417-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6D

Quant Time: Oct 26 05:39:16 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	268683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	464506	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223566	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	163918	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	5.46	113	142783	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.70	98	569626	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.12	95	199317	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	

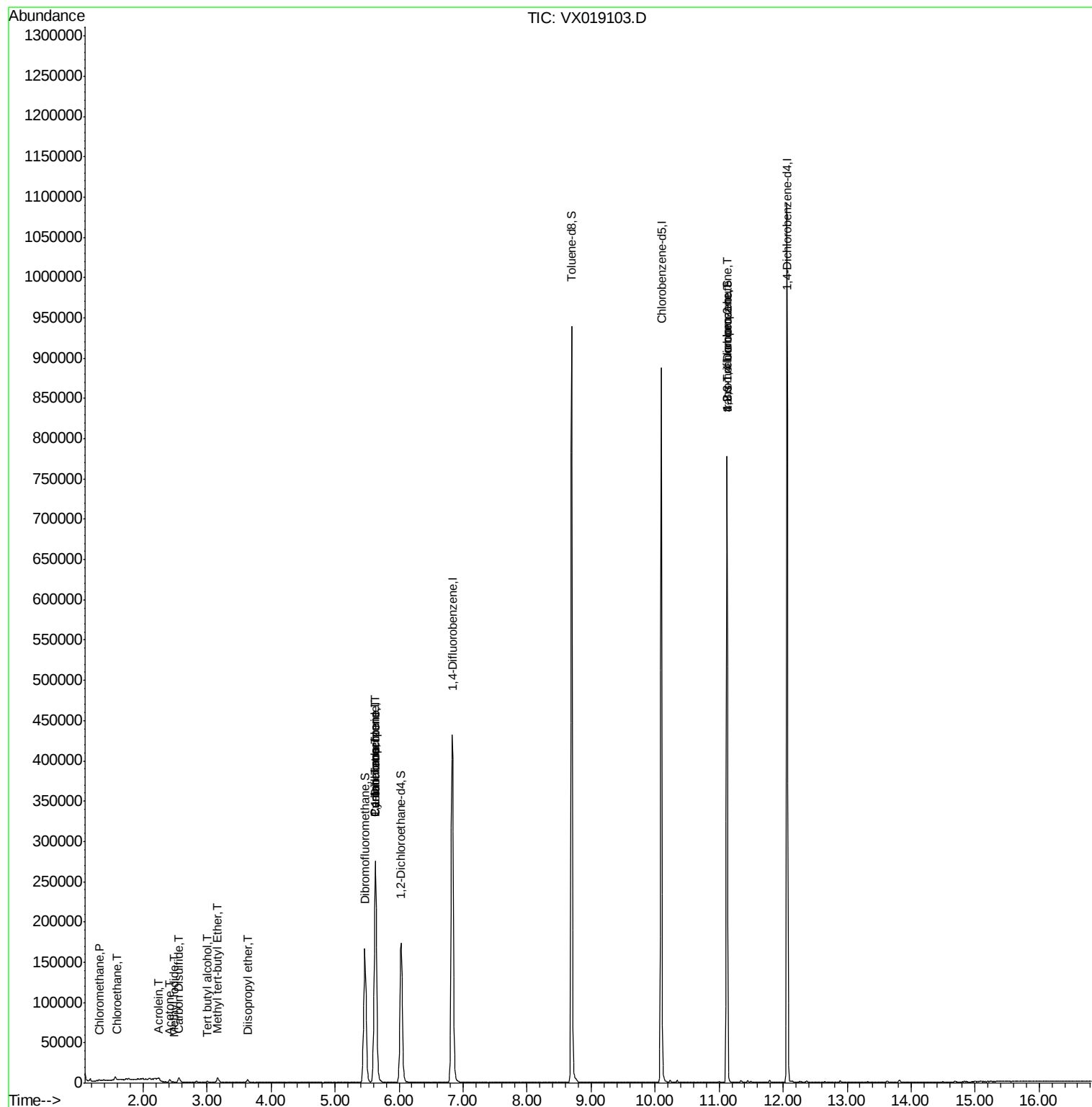
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	556	0.209	ug/l #	73
5) Bromomethane	1.64	94	177	Below Cal	#	20
6) Chloroethane	1.60	64	22	1.281	ug/l #	43
10) Methyl Iodide	2.50	142	20	4.775	ug/l #	42
11) Tert butyl alcohol	3.00	59	1469	2.254	ug/l	99
13) Acrolein	2.24	56	49	13.813	ug/l #	1
16) Acetone	2.42	43	3316	3.025	ug/l	94
17) Carbon Disulfide	2.55	76	5407	0.717	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	6579	0.794	ug/l	97
22) Diisopropyl ether	3.64	45	1503	0.225	ug/l #	6
31) Cyclohexane	5.62	56	5468	1.451	ug/l #	28
36) 1,1-Dichloropropene	5.63	75	19205	4.608	ug/l #	47
38) Carbon Tetrachloride	5.63	117	25990	5.941	ug/l #	15
76) 1,2,3-Trichloropropane	11.12	75	100535	22.499	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	100535	57.322	ug/l #	15

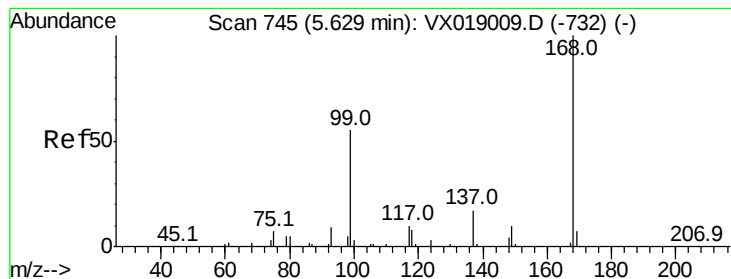
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 22 17:51:42 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

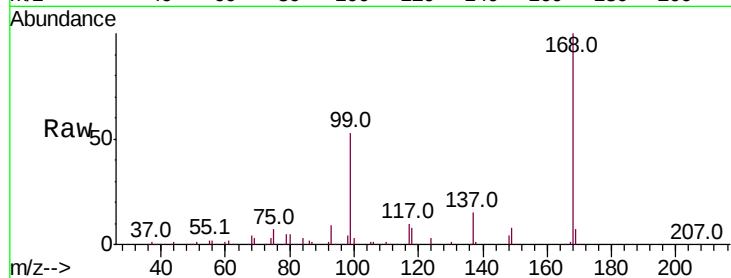
MW-6D

Tot Ion:168 Resp: 268683

Ion Ratio Lower Upper

168 100

99 52.8 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

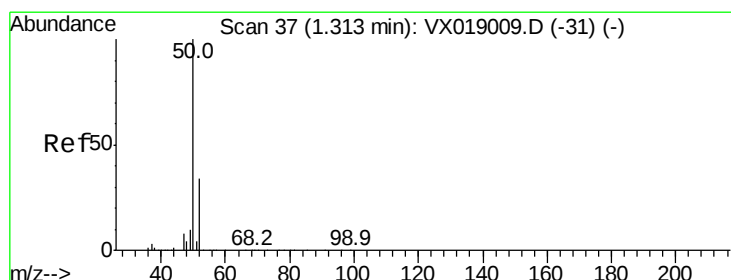
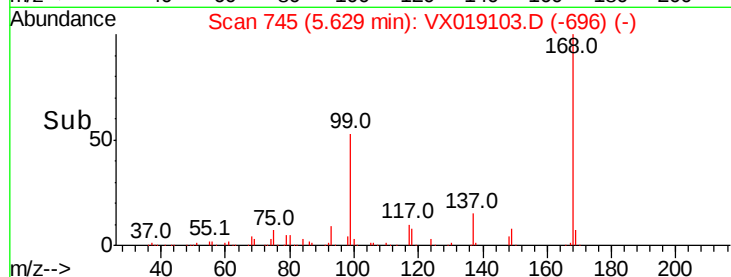
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019103.D

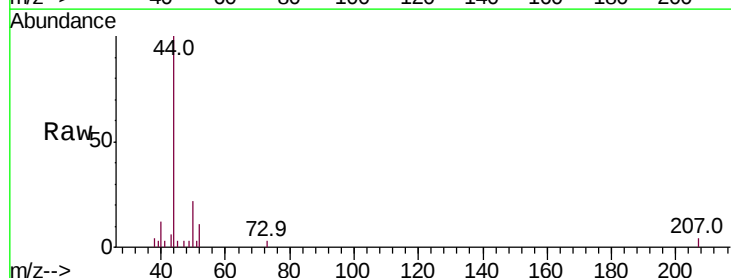
Acq: 24 Oct 2020 03:44

Tgt Ion: 50 Resp: 556

Ion Ratio Lower Upper

50 100

52 49.5 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

600

500

400

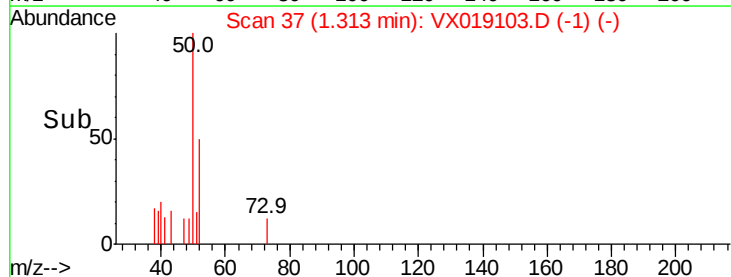
300

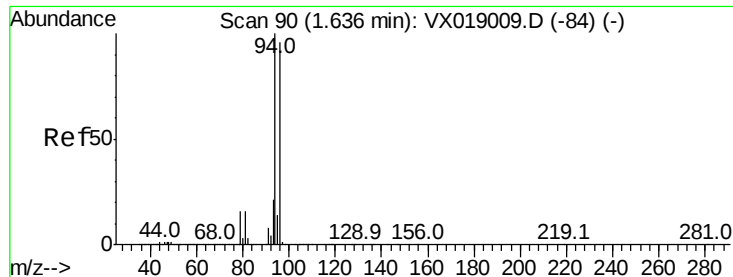
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampled :

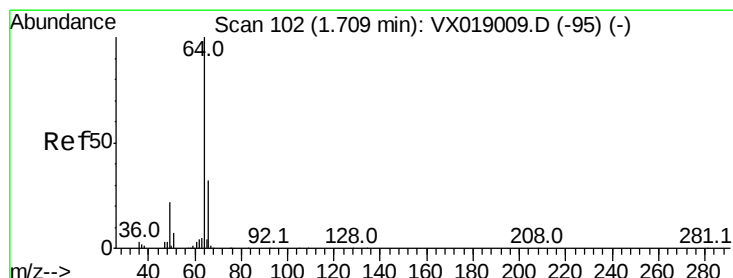
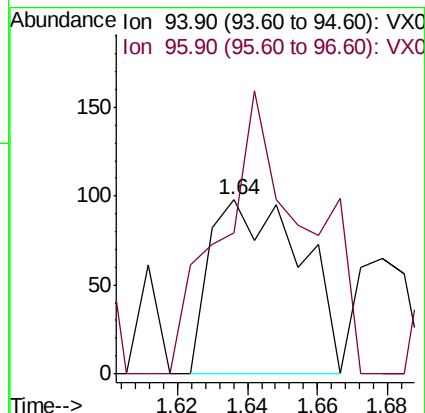
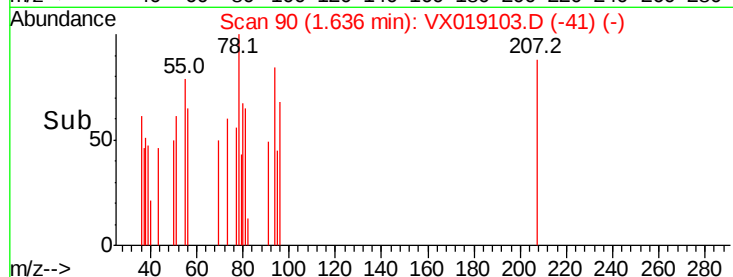
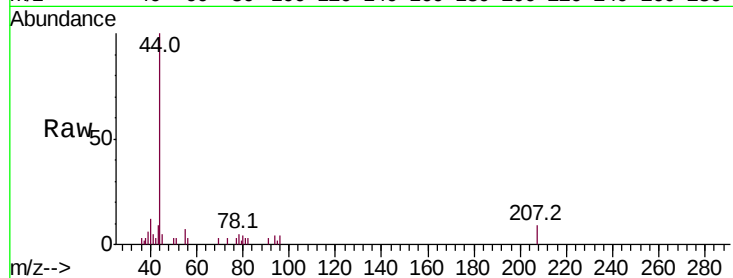
MW-6D

Tot Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 18.4 77.1 115.7#



#6

Chloroethane

Concen: 1.281 ug/l

RT: 1.60 min Scan# 84

Delta R.T. -0.11 min

Lab File: VX019103.D

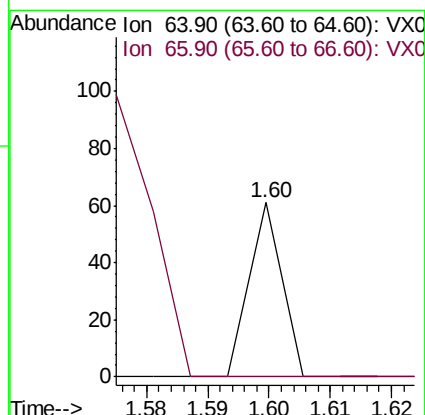
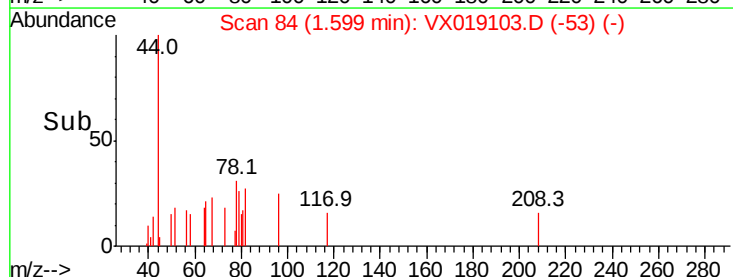
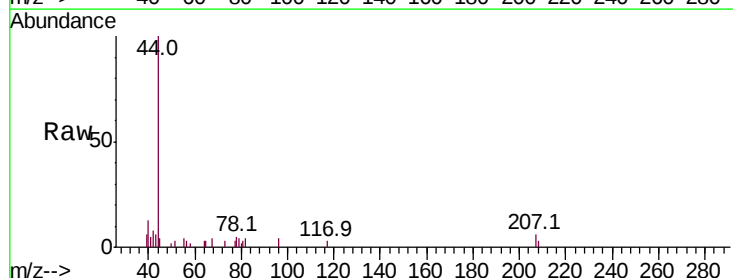
Acq: 24 Oct 2020 03:44

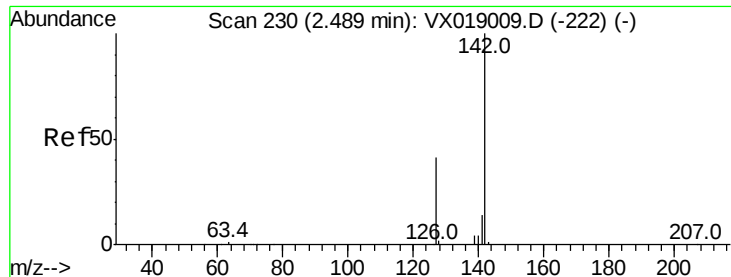
Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#





#10

Methyl Iodide

Concen: 4.775 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

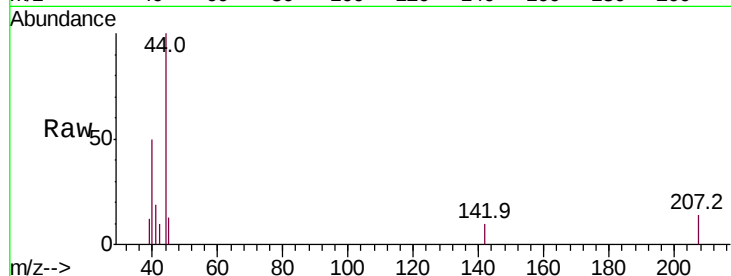
Tot Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

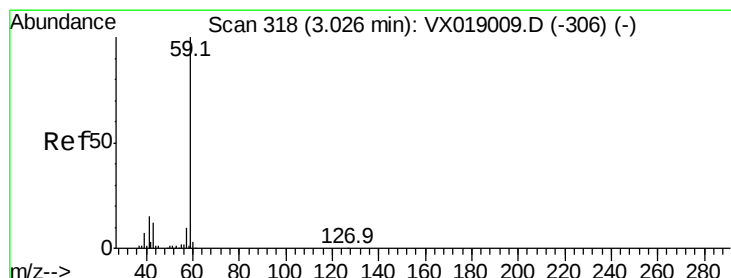
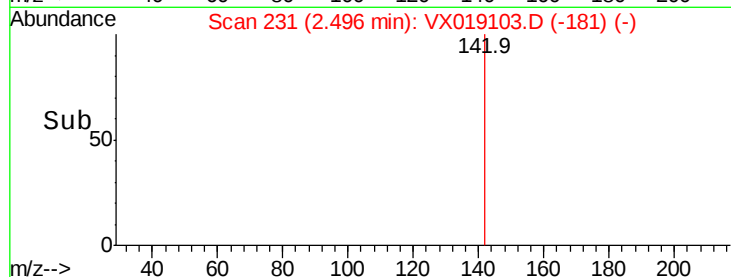
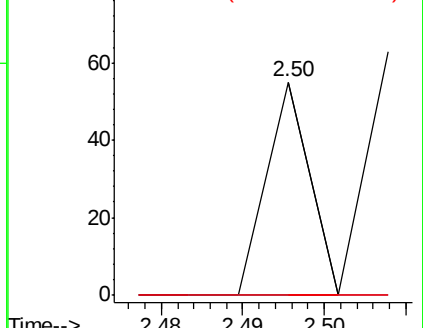
141 0.0 11.2 16.8#



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



#11

Tert butyl alcohol

Concen: 2.254 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019103.D

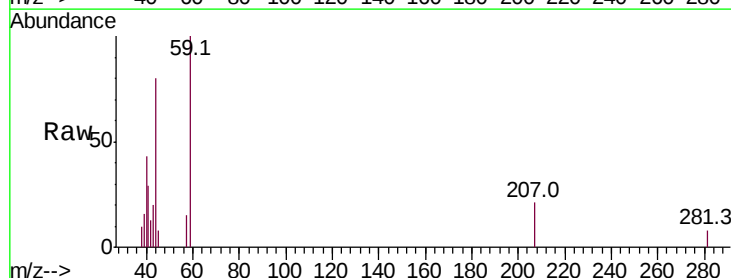
Acq: 24 Oct 2020 03:44

Tgt Ion: 59 Resp: 1469

Ion Ratio Lower Upper

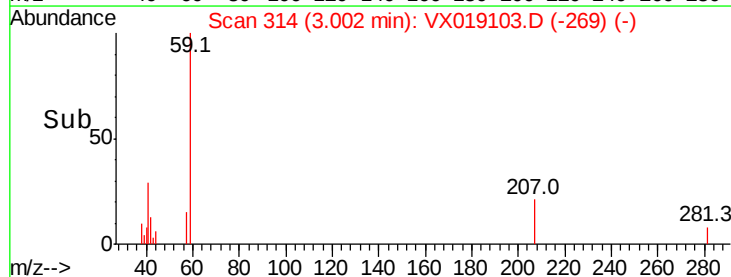
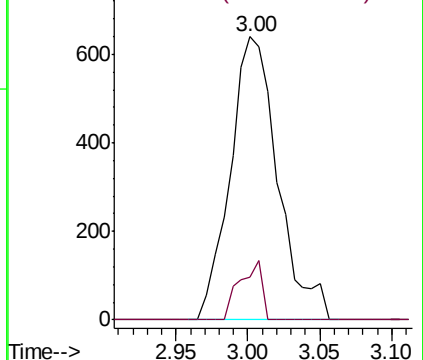
59 100

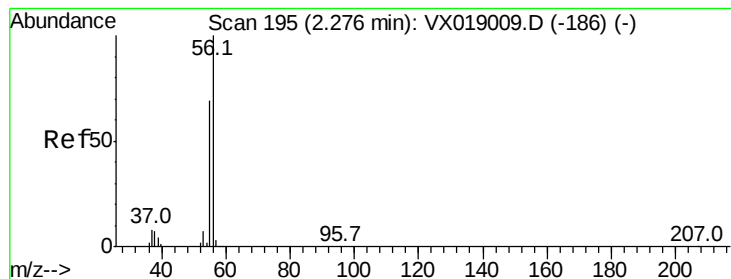
57 10.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 13.813 ug/l

RT: 2.24 min Scan# 189

Delta R.T. -0.04 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

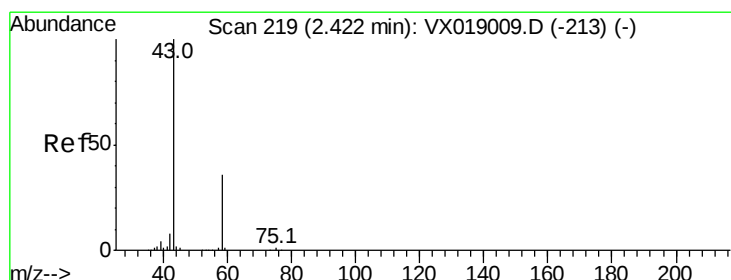
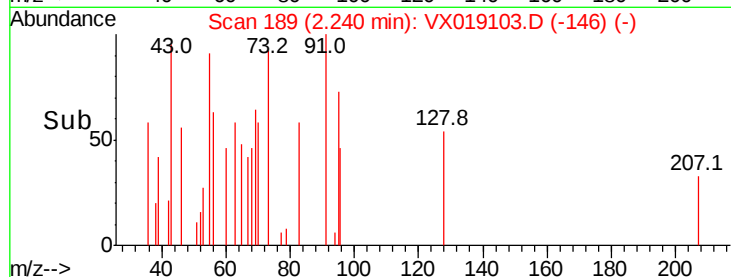
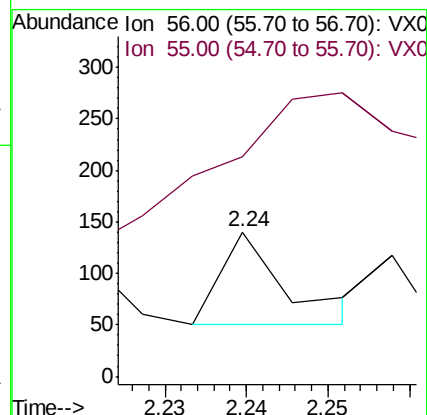
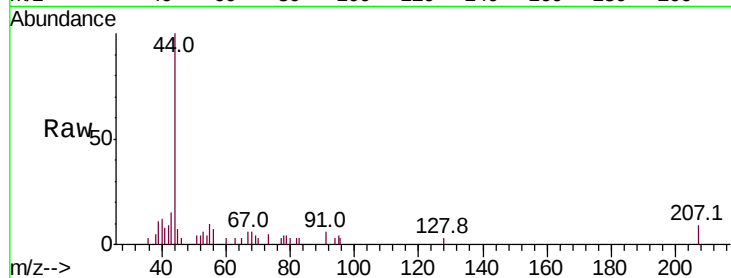
MW-6D

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 1483.7 54.2 81.4#



#16

Acetone

Concen: 3.025 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019103.D

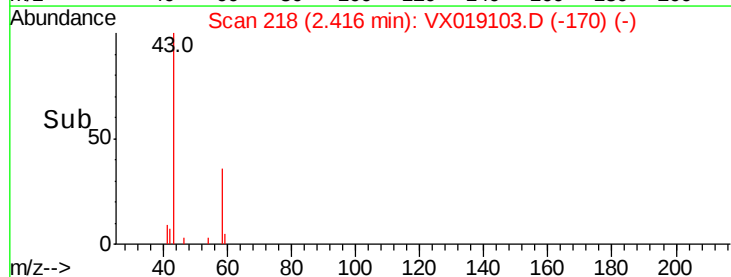
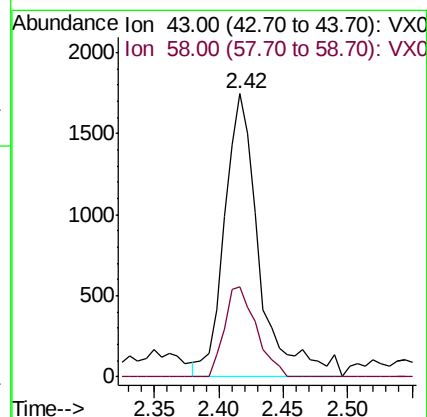
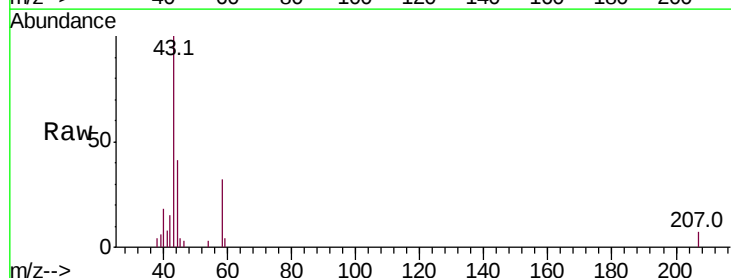
Acq: 24 Oct 2020 03:44

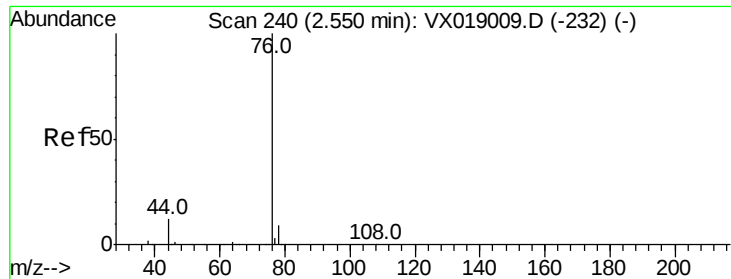
Tgt Ion: 43 Resp: 3316

Ion Ratio Lower Upper

43 100

58 32.0 28.6 42.8





#17

Carbon Disulfide

Concen: 0.717 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampled :

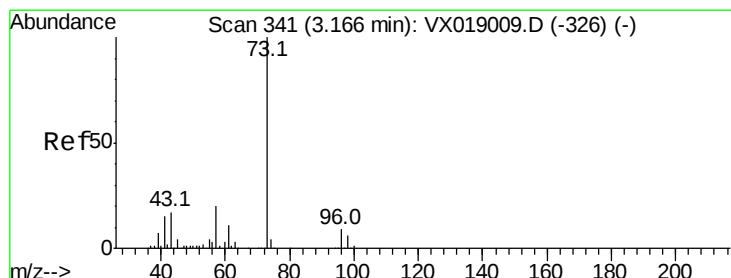
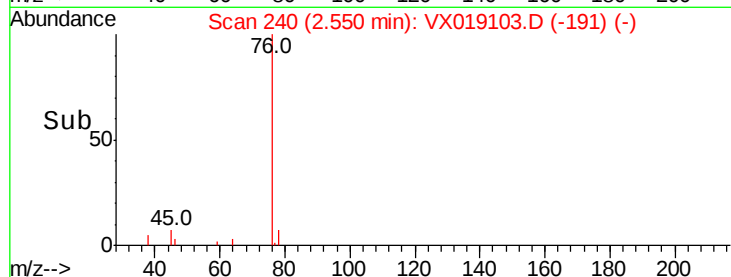
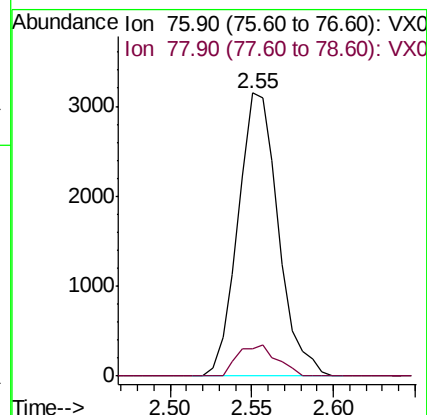
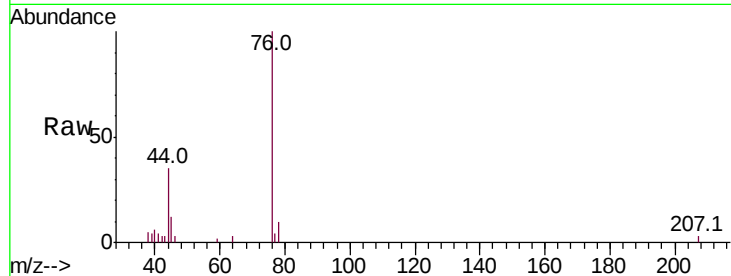
MW-6D

Tot Ion: 76 Resp: 5407

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#19

Methyl tert-butyl Ether

Concen: 0.794 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX019103.D

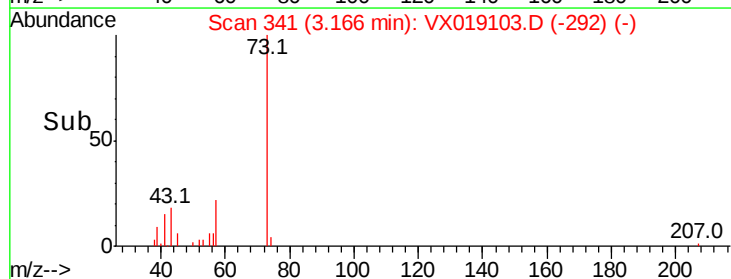
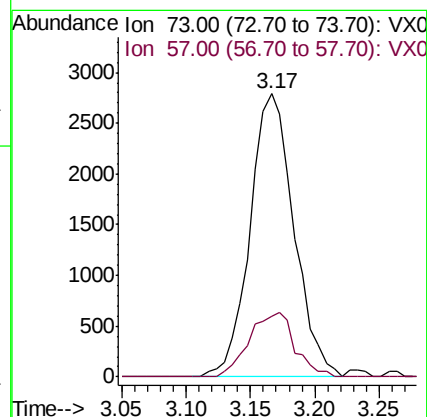
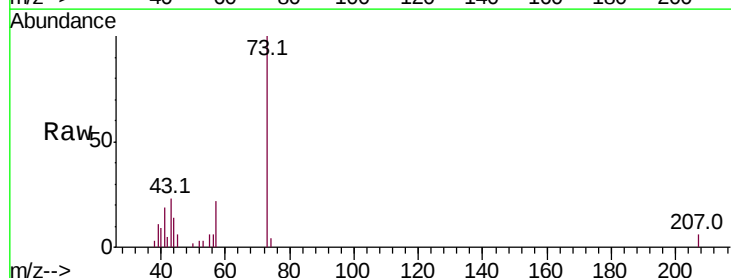
Acq: 24 Oct 2020 03:44

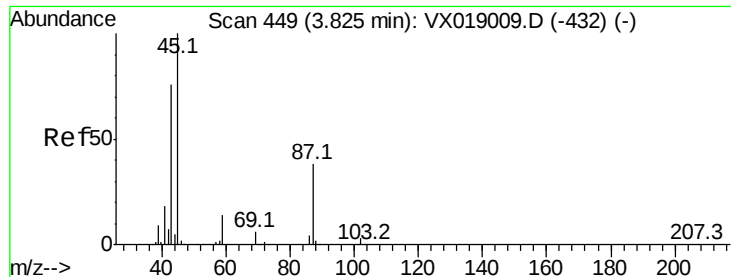
Tgt Ion: 73 Resp: 6579

Ion Ratio Lower Upper

73 100

57 21.6 16.2 24.2





#22

Diisopropyl ether

Concen: 0.225 ug/l

RT: 3.64 min Scan# 418

Delta R.T. -0.19 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

Tot Ion: 45 Resp: 1503

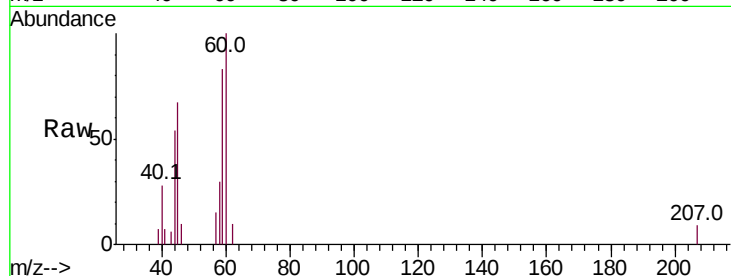
Ion Ratio Lower Upper

45 100

43 9.3 60.4 90.6#

87 0.0 30.4 45.6#

59 123.4 11.2 16.8#

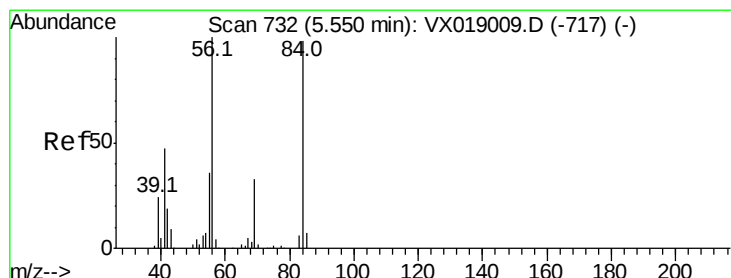
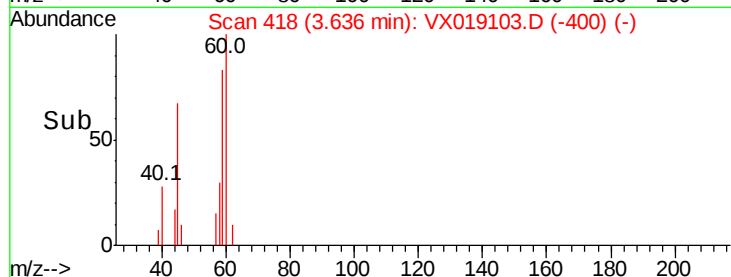
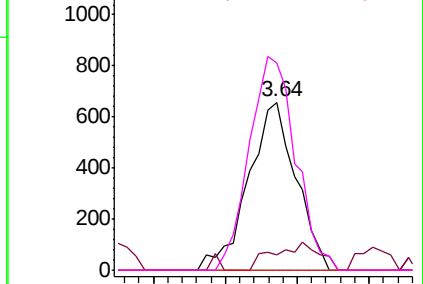


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#31

Cyclohexane

Concen: 1.451 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

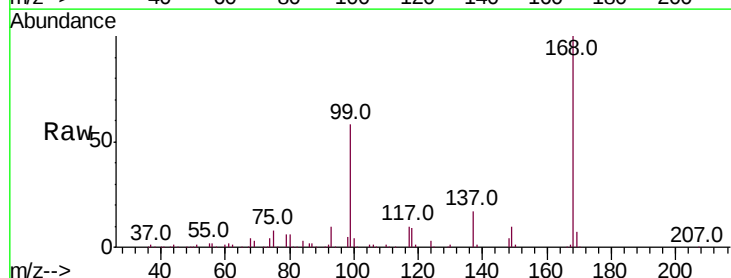
Tgt Ion: 56 Resp: 5468

Ion Ratio Lower Upper

56 100

69 148.2 26.2 39.2#

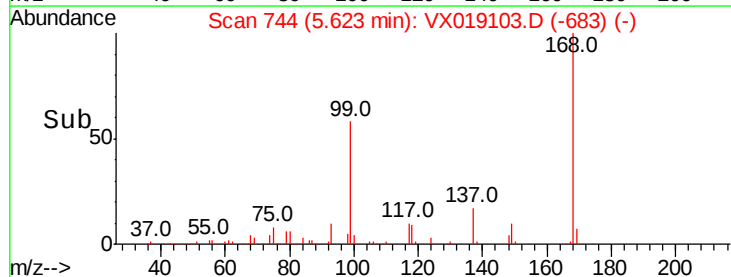
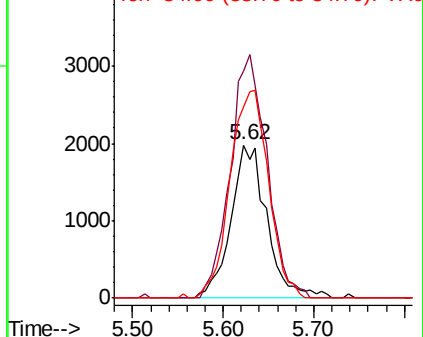
84 125.2 78.3 117.5#

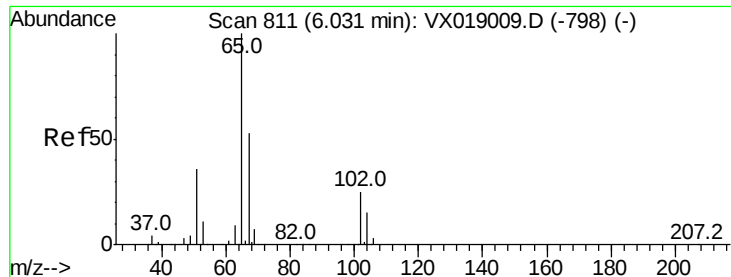


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.932 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

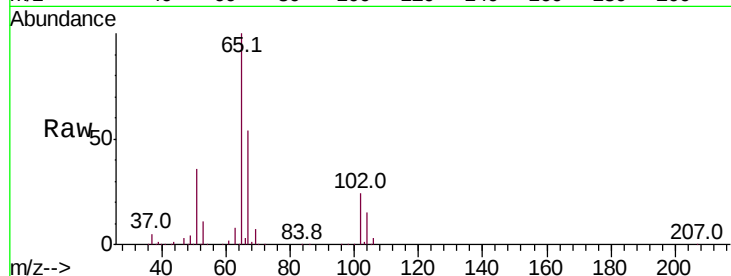
MW-6D

Tot Ion: 65 Resp: 163918

Ion Ratio Lower Upper

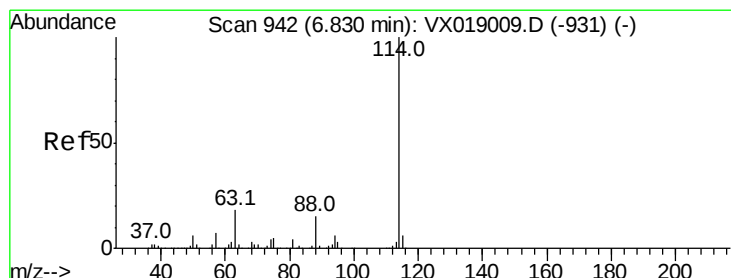
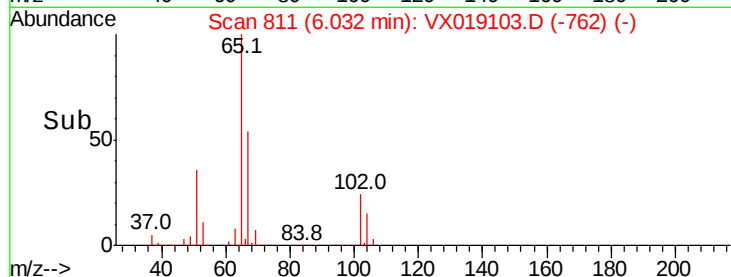
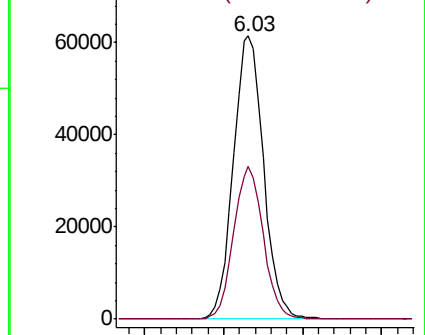
65 100

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: VX019103.D

Acq: 24 Oct 2020 03:44

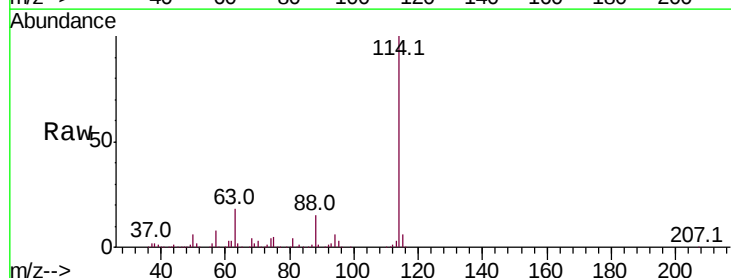
Tgt Ion: 114 Resp: 464506

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

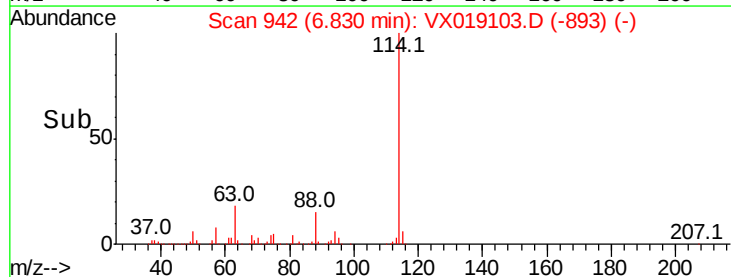
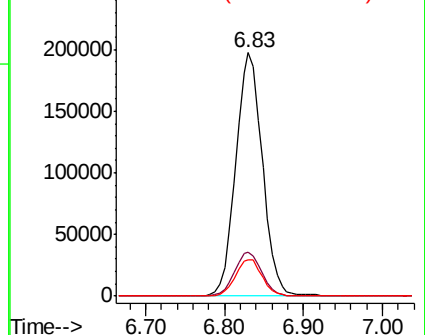
88 15.1 0.0 30.2

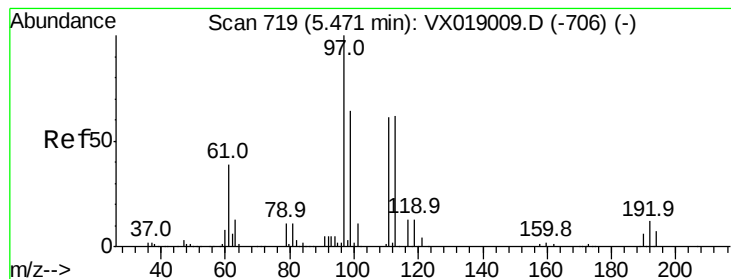


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.550 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

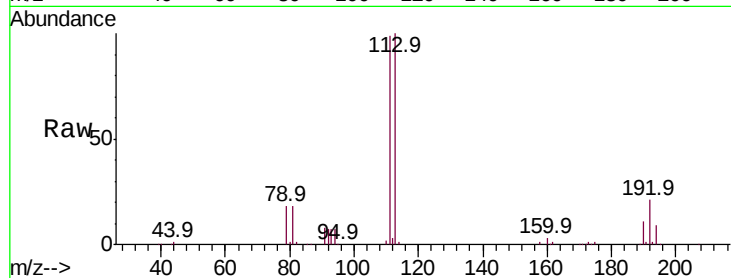
Tot Ion:113 Resp: 142783

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

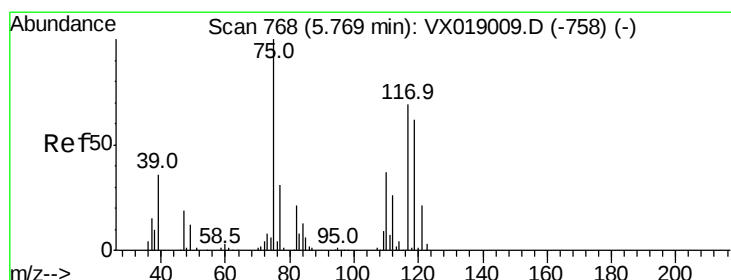
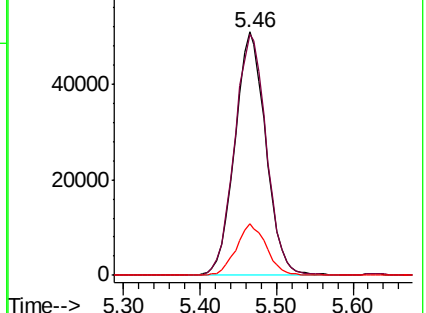
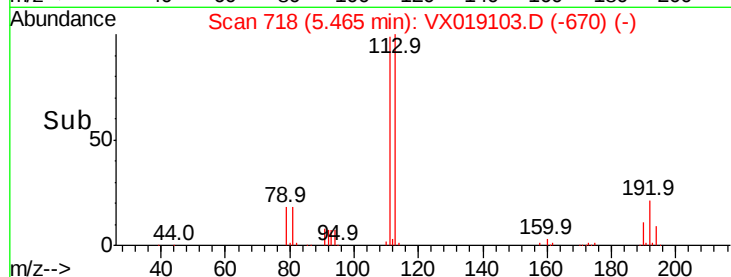
192 20.6 16.3 24.5



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: 4.608 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

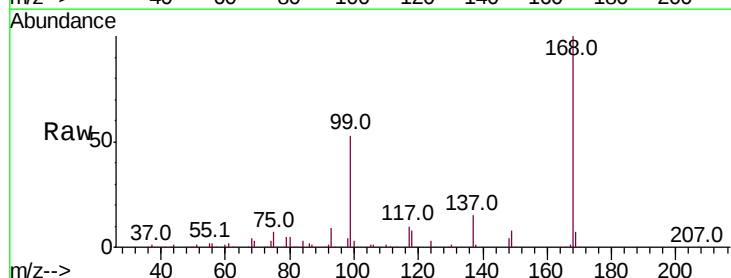
Tgt Ion: 75 Resp: 19205

Ion Ratio Lower Upper

75 100

110 8.9 19.4 58.2#

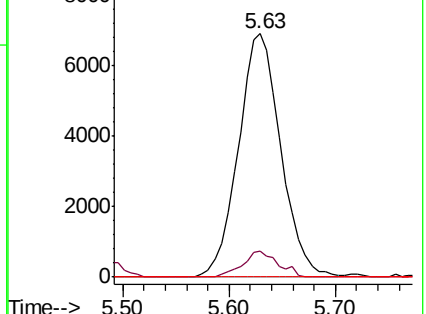
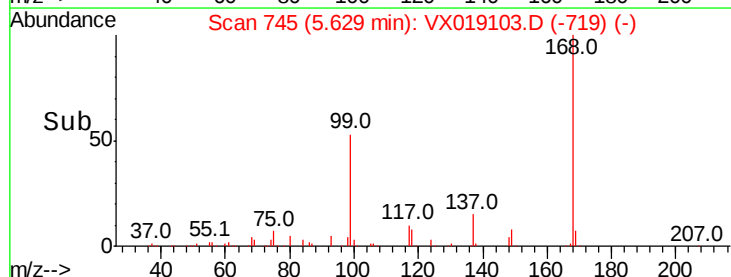
77 0.0 25.2 37.8#

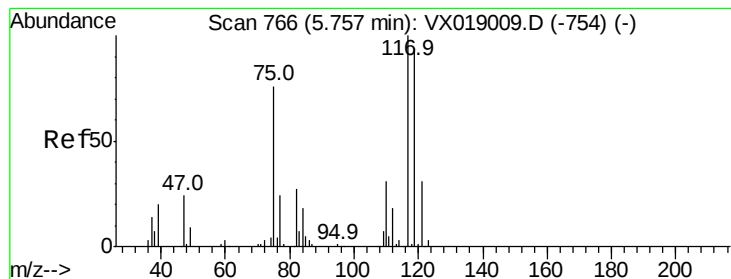


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.941 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampled :

MW-6D

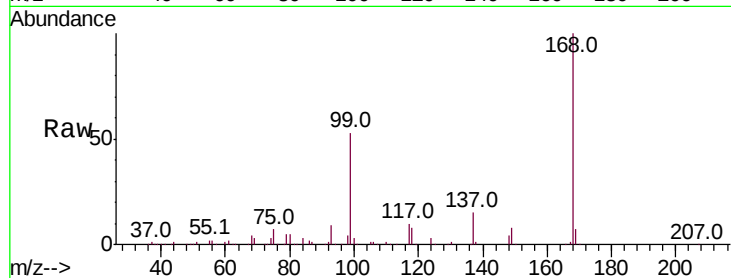
Tot Ion:117 Resp: 25990

Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.0#

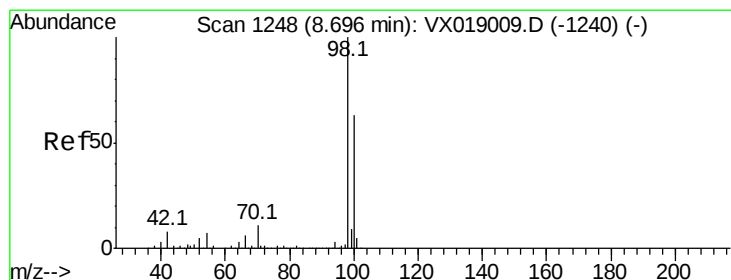
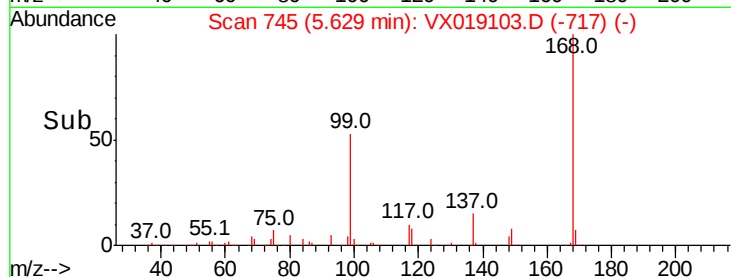
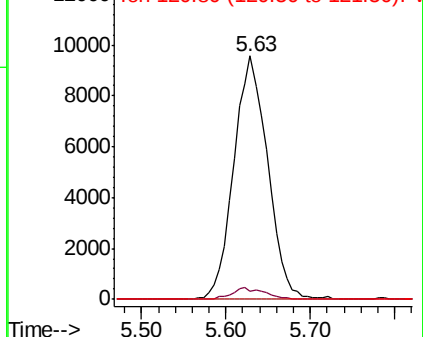
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.757 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019103.D

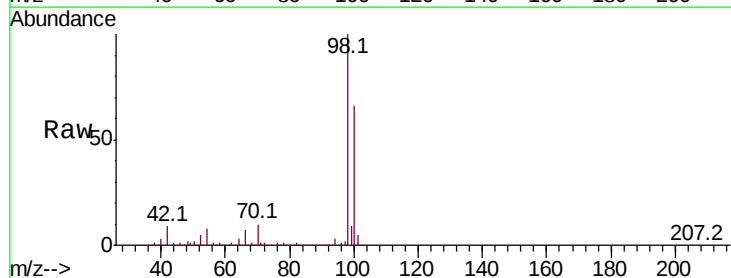
Acq: 24 Oct 2020 03:44

Tgt Ion: 98 Resp: 569626

Ion Ratio Lower Upper

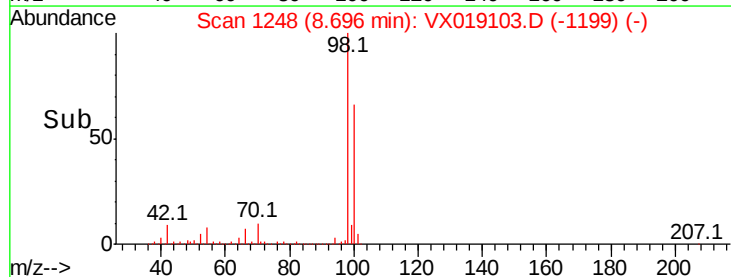
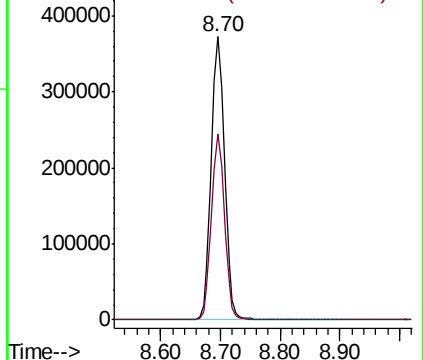
98 100

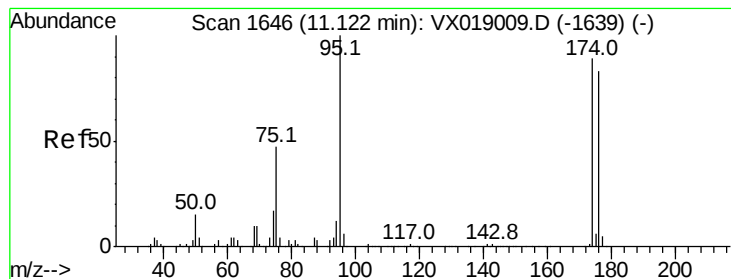
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.930 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

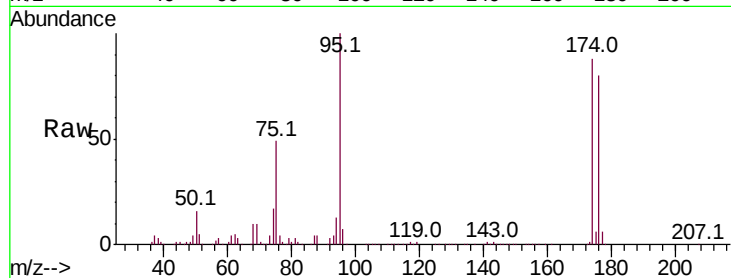
Tot Ion: 95 Resp: 199317

Ion Ratio Lower Upper

95 100

174 86.3 0.0 167.6

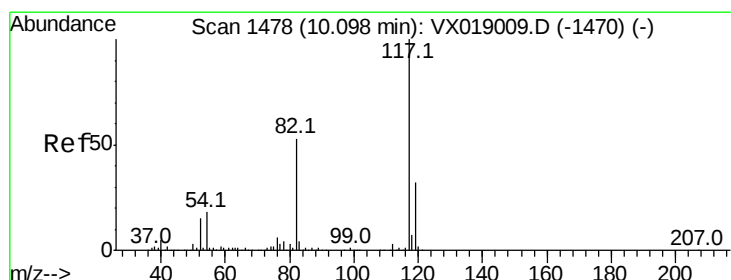
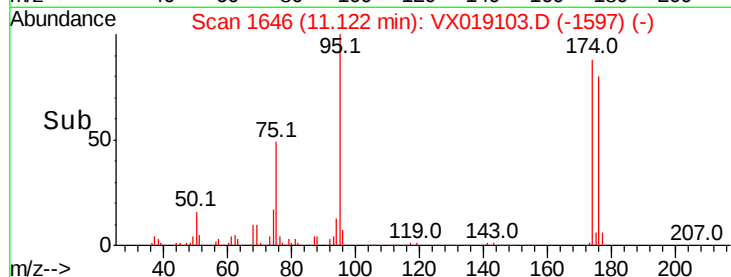
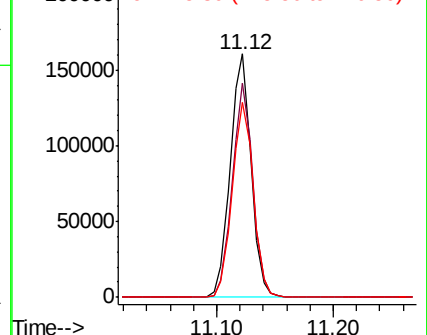
176 81.6 0.0 165.2



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: VX019103.D

Acq: 24 Oct 2020 03:44

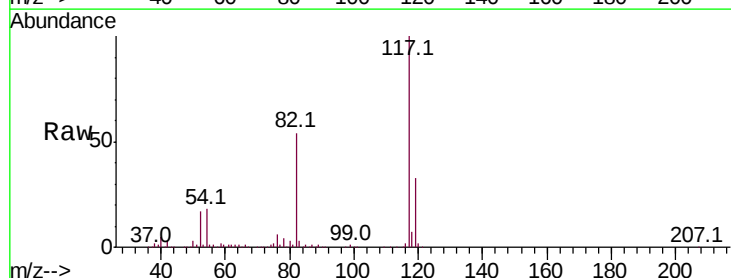
Tgt Ion: 117 Resp: 433913

Ion Ratio Lower Upper

117 100

82 53.6 42.4 63.6

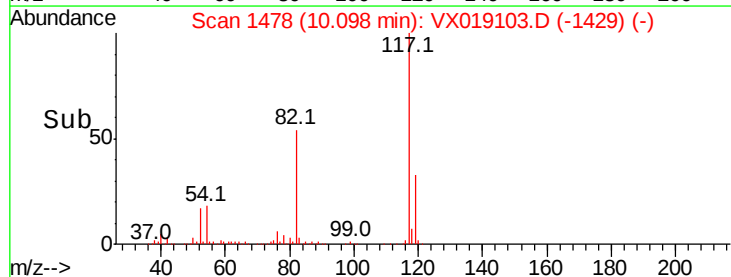
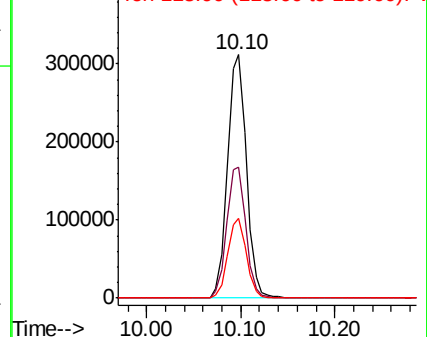
119 32.7 25.6 38.4

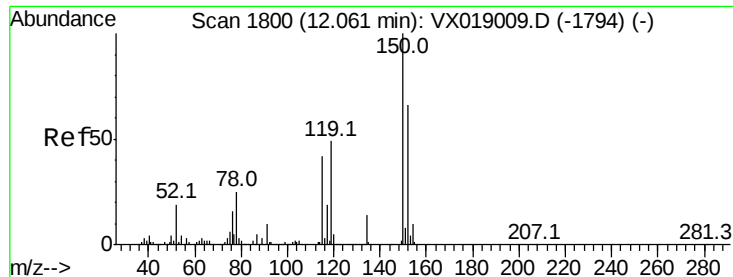


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX019103.D

Acq: 24 Oct 2020 03:44

Instrument :

MSVOA_X

ClientSampleId :

MW-6D

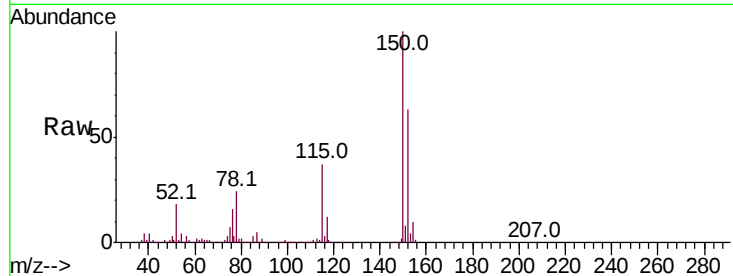
Tot Ion:152 Resp: 223566

Ion Ratio Lower Upper

152 100

115 57.6 40.8 122.5

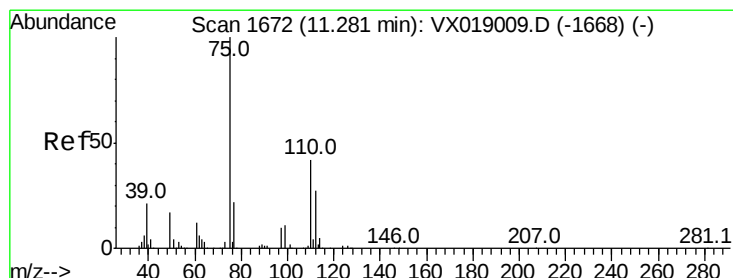
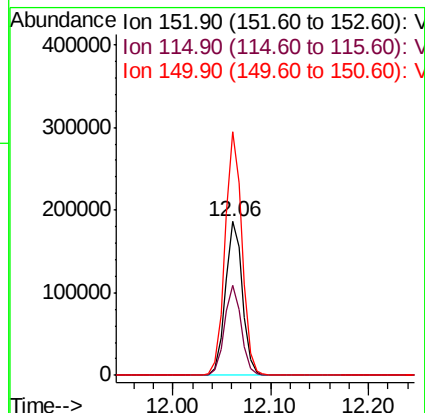
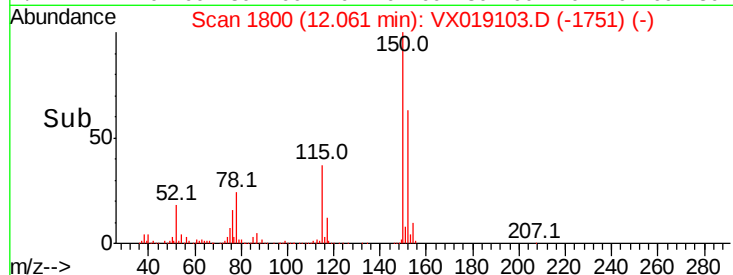
150 157.1 0.0 345.6



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: 22.499 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019103.D

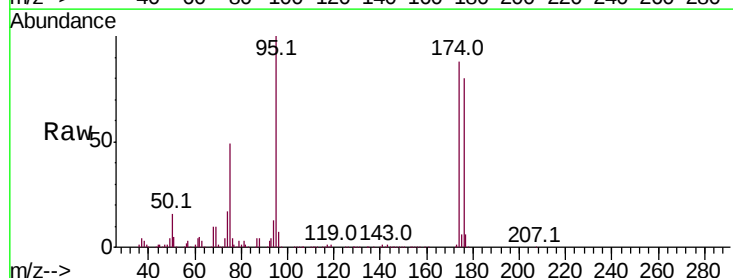
Acq: 24 Oct 2020 03:44

Tgt Ion: 75 Resp: 100535

Ion Ratio Lower Upper

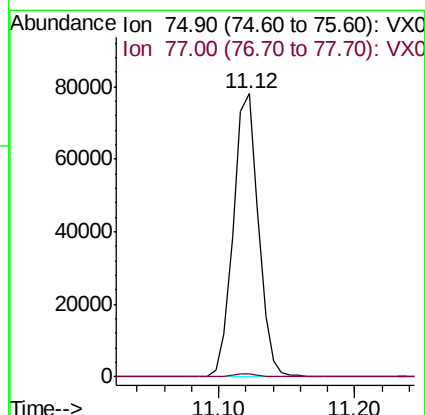
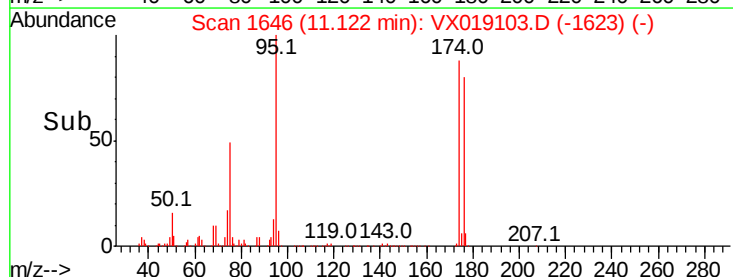
75 100

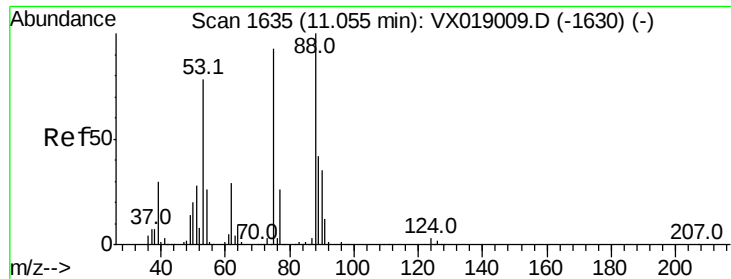
77 1.2 20.7 62.1#



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: 57.322 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019103.D
 Acq: 24 Oct 2020 03:44

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6D

Tot Ion: 75 Resp: 100535
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 37.2 55.8#

