

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019236.D
 Acq On : 03 Nov 2020 16:27
 Operator : JC/MD
 Sample : VX1104WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBL01

Quant Time: Nov 04 02:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	337787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	580493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	569866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	264506	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	219876	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.46	113	179257	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.70	98	739769	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.12	95	271729	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	

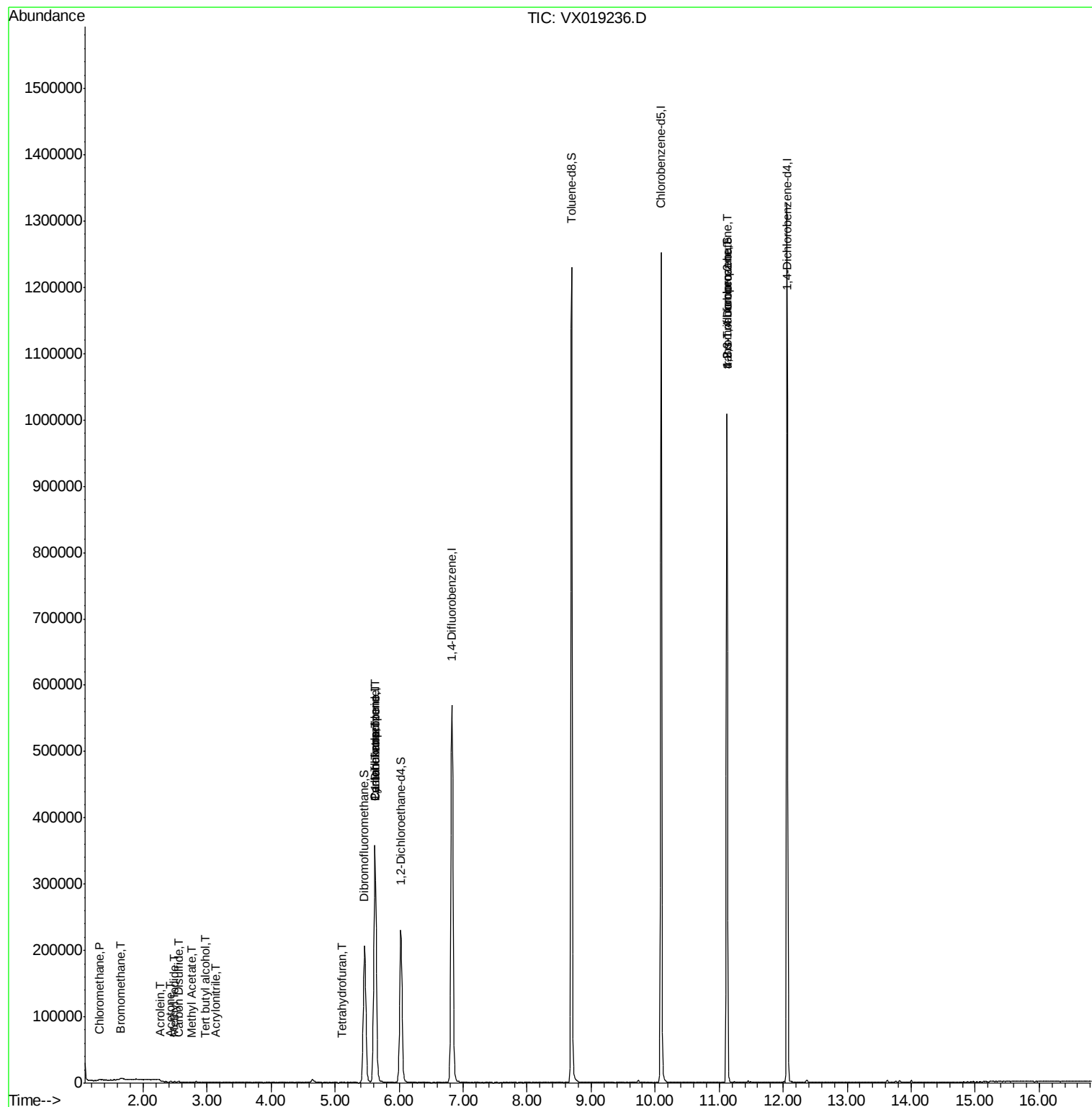
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	648	0.206	ug/l	98
5) Bromomethane	1.64	94	755	0.303	ug/l	98
10) Methyl Iodide	2.49	142	898	6.587	ug/l #	88
11) Tert butyl alcohol	2.98	59	519	0.603	ug/l #	72
13) Acrolein	2.28	56	154	6.039	ug/l #	16
15) Acrylonitrile	3.12	53	564	0.312	ug/l #	90
16) Acetone	2.43	43	933	0.621	ug/l	92
17) Carbon Disulfide	2.56	76	1669	0.936	ug/l #	86
18) Methyl Acetate	2.76	43	777	0.213	ug/l #	75
29) Tetrahydrofuran	5.10	42	375	0.251	ug/l #	35
31) Cyclohexane	5.62	56	7282	1.322	ug/l #	19
36) 1,1-Dichloropropene	5.62	75	28096	5.241	ug/l #	49
38) Carbon Tetrachloride	5.62	117	35204	6.443	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	138863	25.426	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	138863	66.946	ug/l #	12

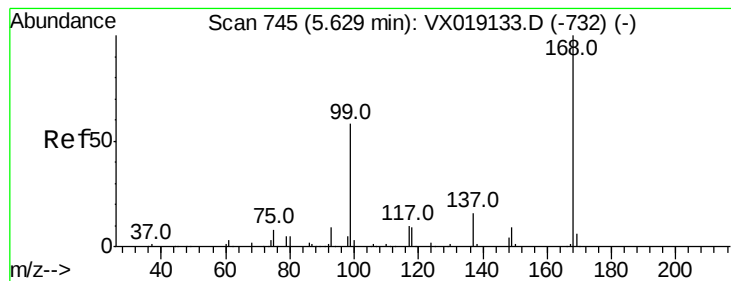
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

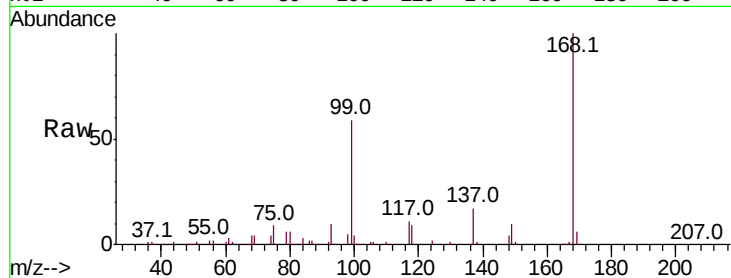
VX1104WBL01

Tot Ion:168 Resp: 337787

Ion Ratio Lower Upper

168 100

99 59.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

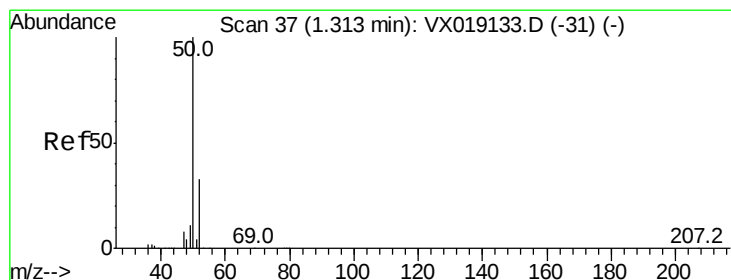
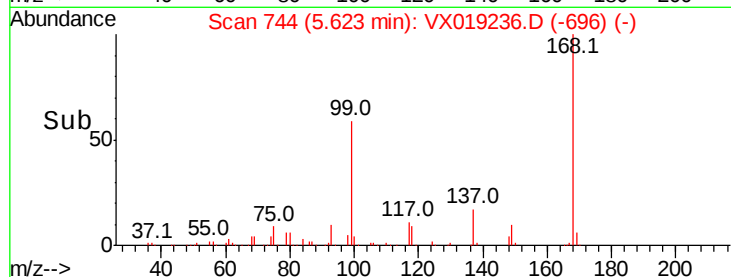
5.62

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019236.D

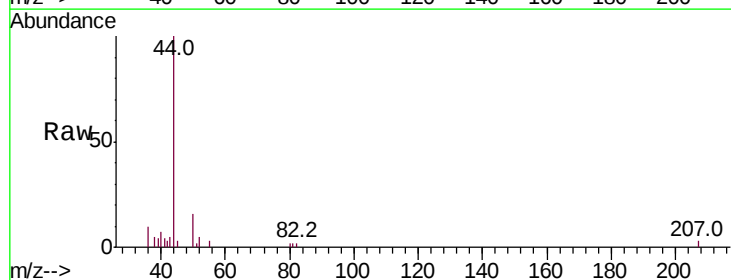
Acq: 03 Nov 2020 16:27

Tgt Ion: 50 Resp: 648

Ion Ratio Lower Upper

50 100

52 32.4 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

500

400

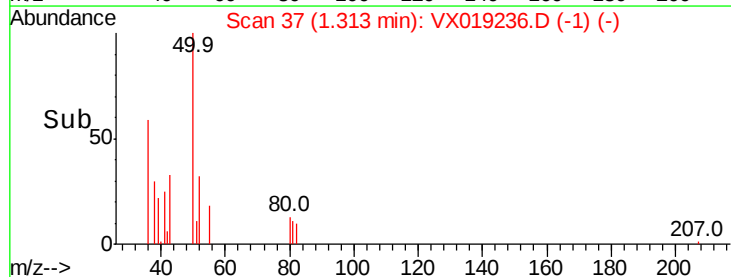
300

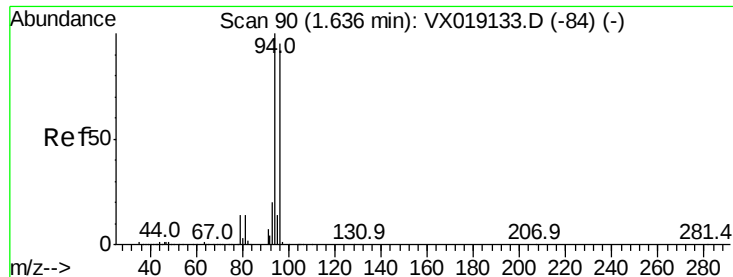
200

100

0

Time-->





#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

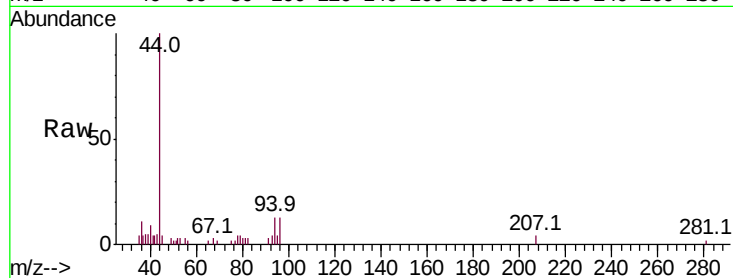
VX1104WBL01

Tot Ion: 94 Resp: 755

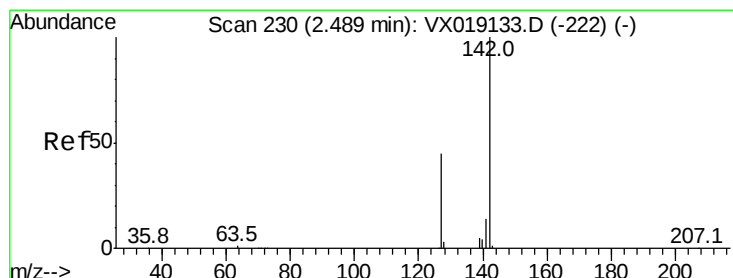
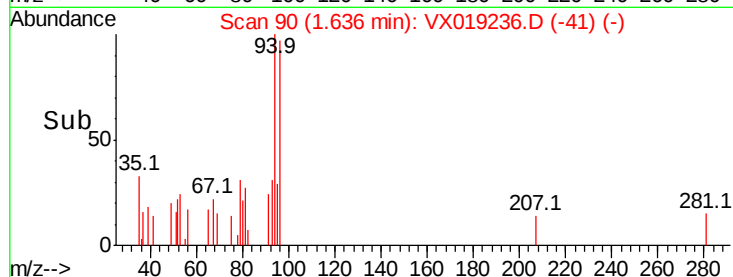
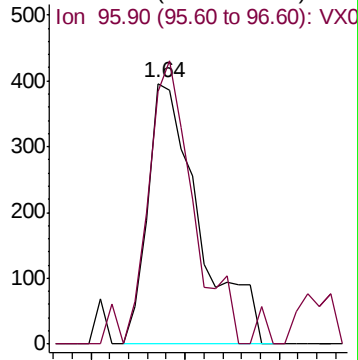
Ion Ratio Lower Upper

94 100

96 97.0 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 6.587 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

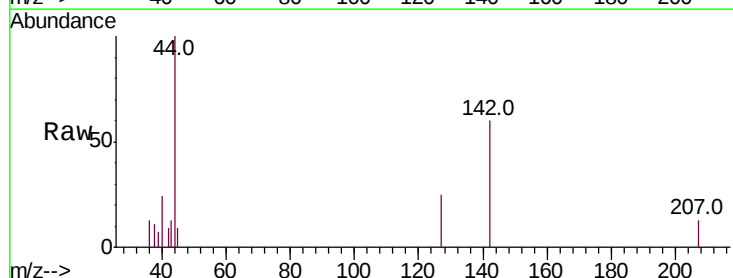
Tgt Ion: 142 Resp: 898

Ion Ratio Lower Upper

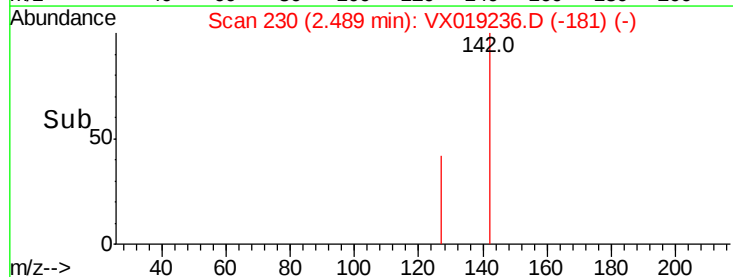
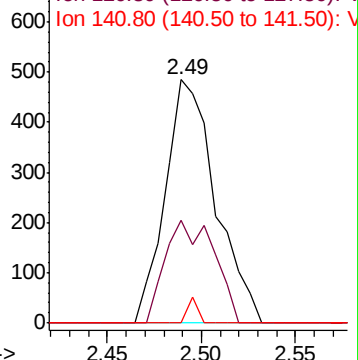
142 100

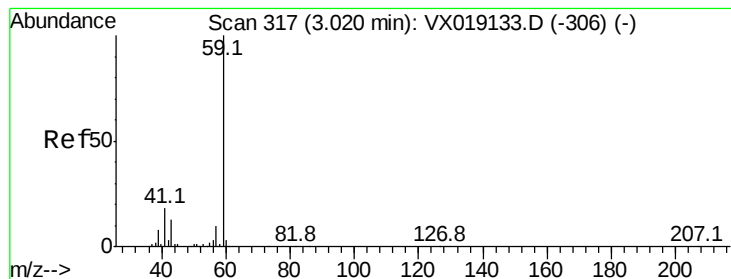
127 41.2 36.1 54.1

141 2.1 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V



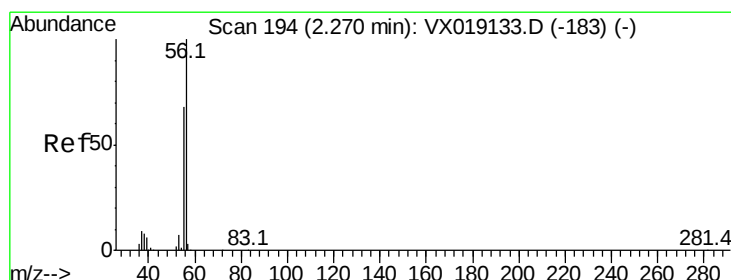
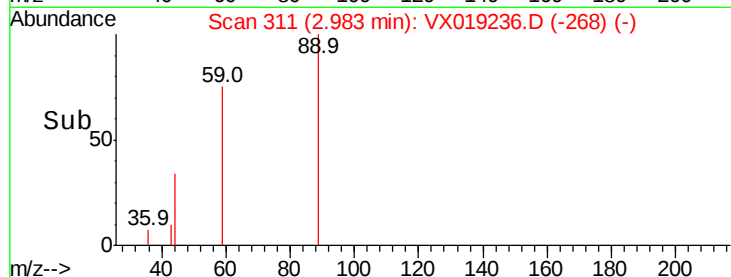
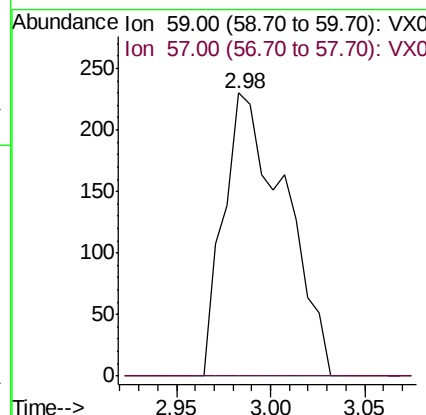
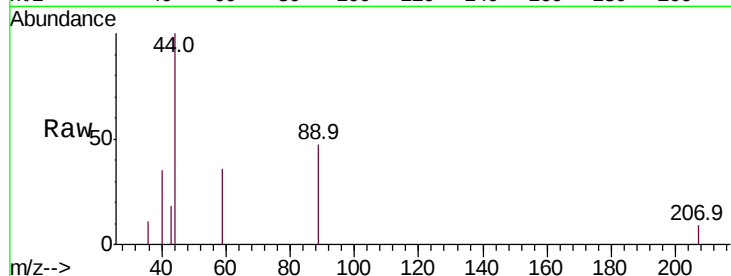


#11

Tert butyl alcohol
Concen: 0.603 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.04 min
Lab File: VX019236.D
Acq: 03 Nov 2020 16:27

Instrument :
MSVOA_X
ClientSampleId :
VX1104WBL01

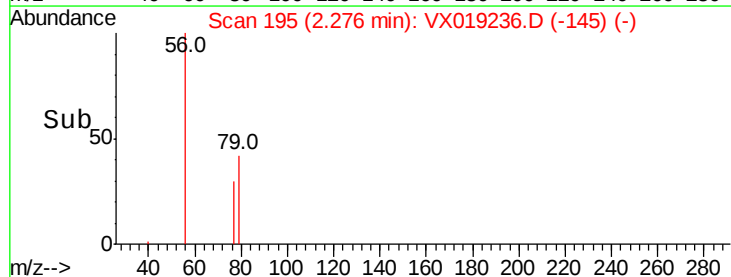
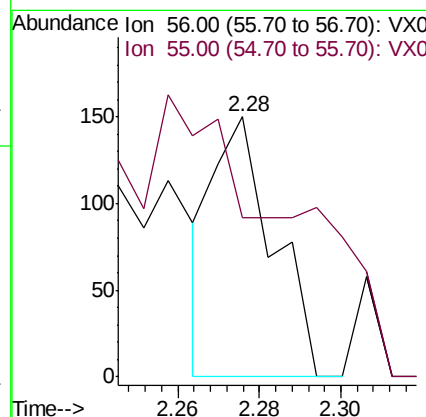
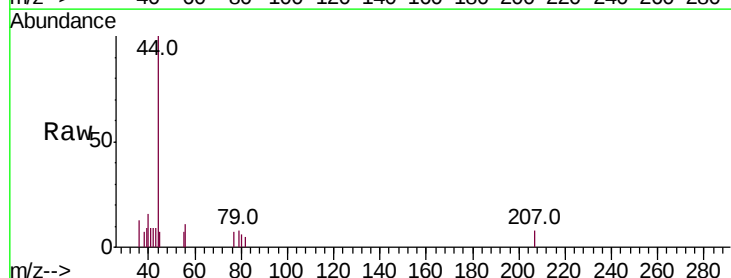
Tot Ion: 59 Resp: 519
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

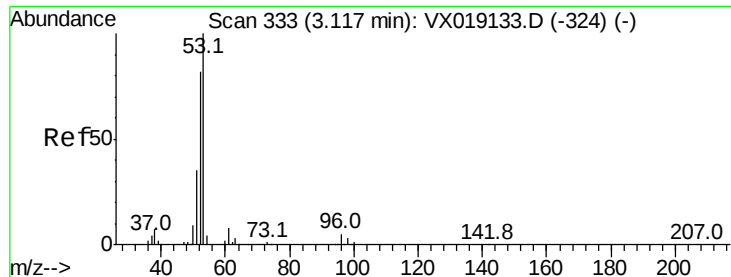


#13

Acrolein
Concen: 6.039 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019236.D
Acq: 03 Nov 2020 16:27

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#15

Acrylonitrile

Concen: 0.312 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

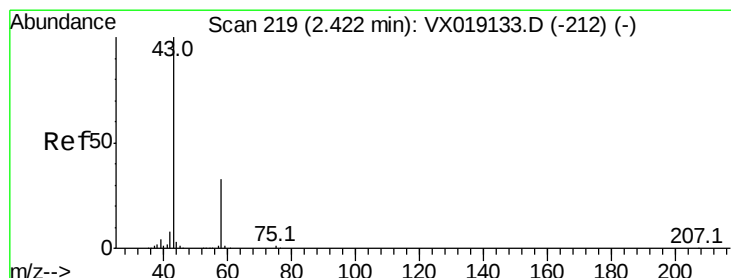
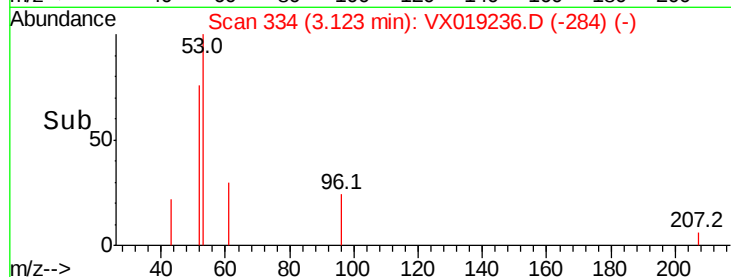
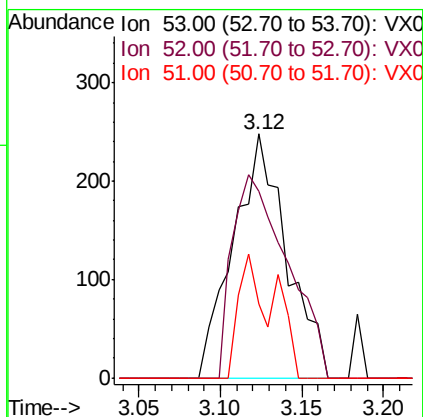
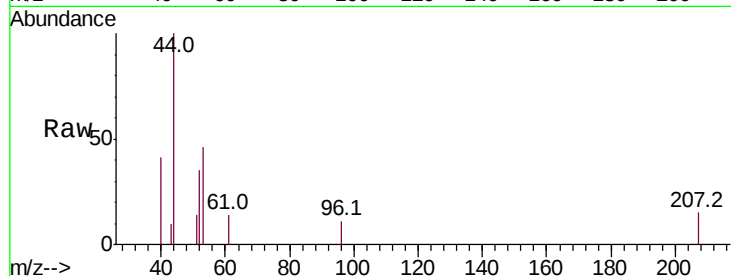
Tot Ion: 53 Resp: 564

Ion Ratio Lower Upper

53 100

52 86.2 65.7 98.5

51 21.8 28.4 42.6#



#16

Acetone

Concen: 0.621 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019236.D

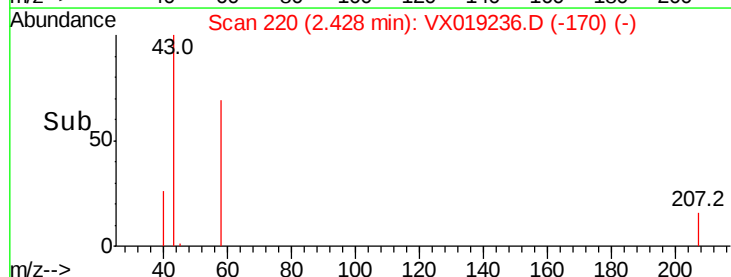
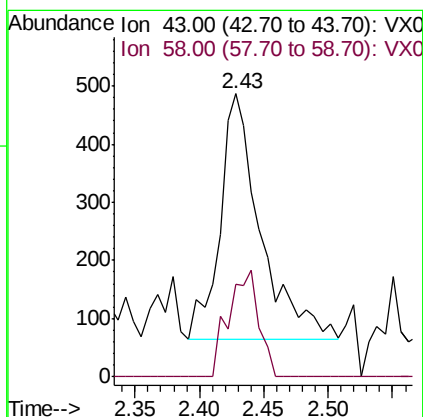
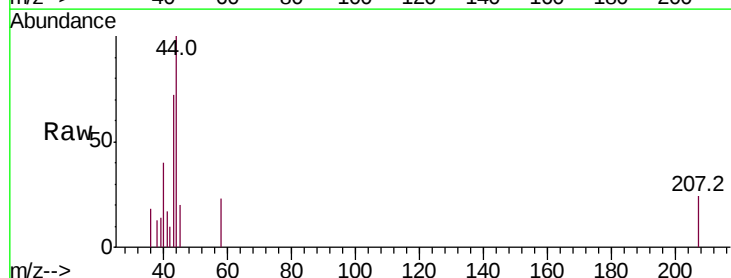
Acq: 03 Nov 2020 16:27

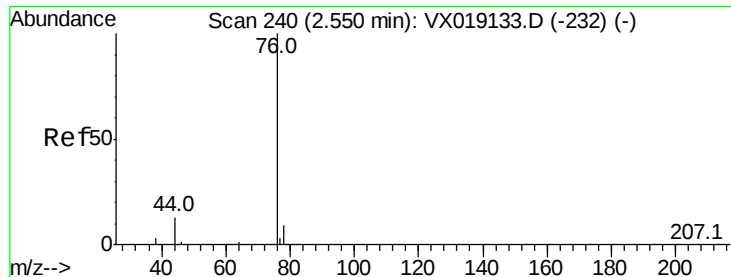
Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

43 100

58 37.6 26.3 39.5





#17

Carbon Disulfide

Concen: 0.936 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

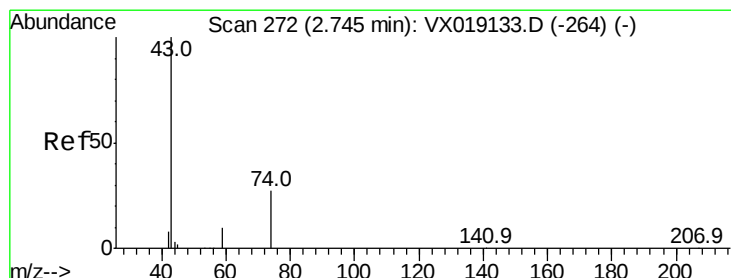
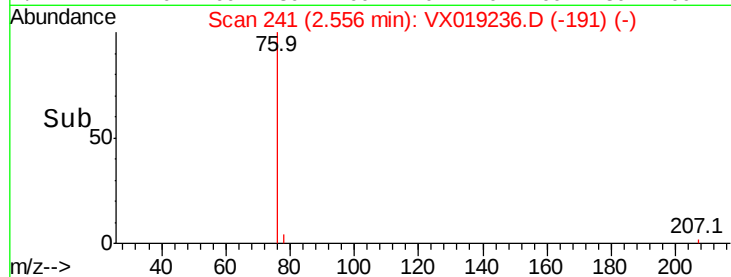
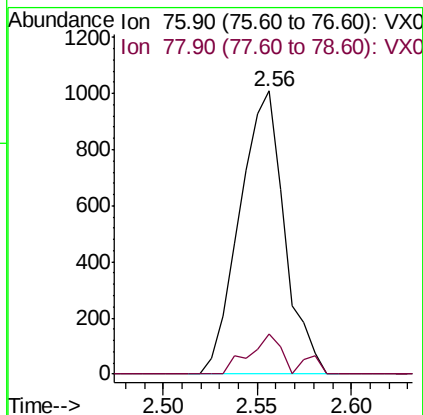
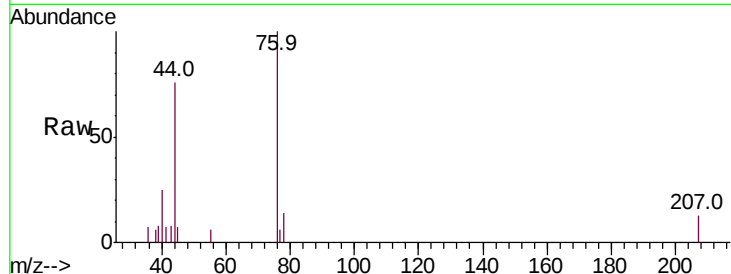
VX1104WBL01

Tot Ion: 76 Resp: 1669

Ion Ratio Lower Upper

76 100

78 14.1 7.3 10.9#



#18

Methyl Acetate

Concen: 0.213 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX019236.D

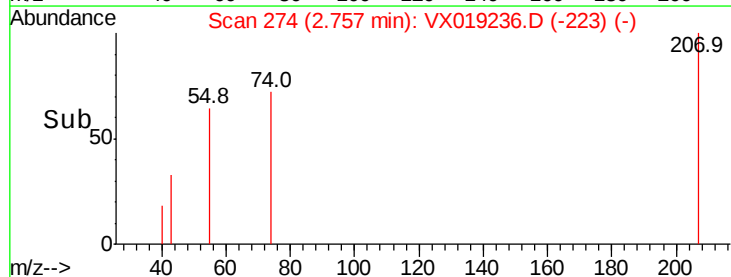
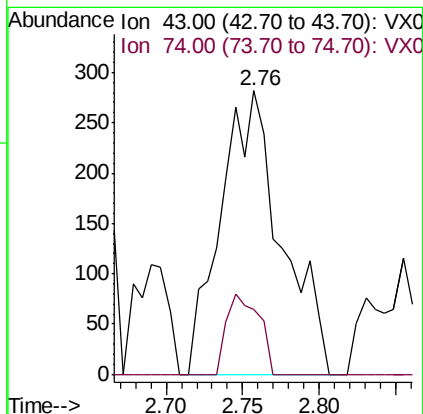
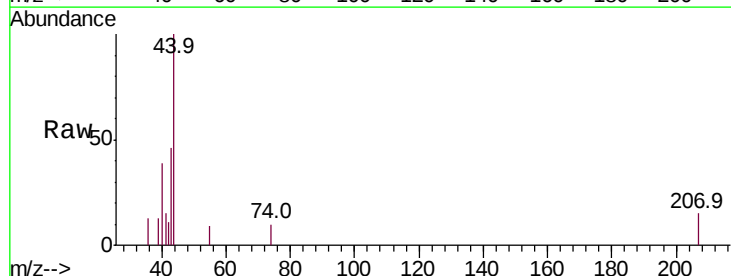
Acq: 03 Nov 2020 16:27

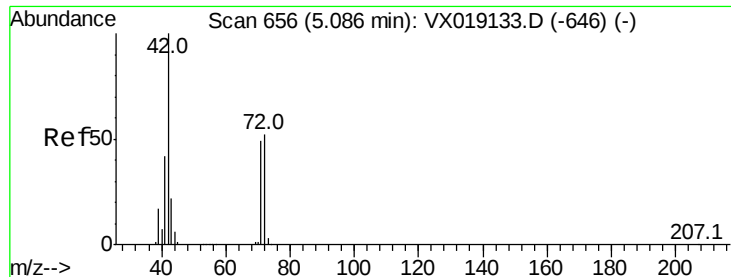
Tgt Ion: 43 Resp: 777

Ion Ratio Lower Upper

43 100

74 14.9 22.6 33.8#





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

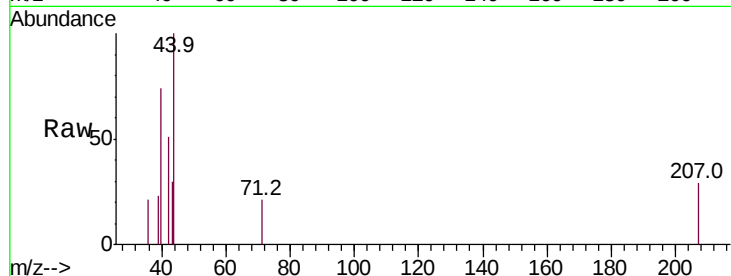
Tot Ion: 42 Resp: 375

Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

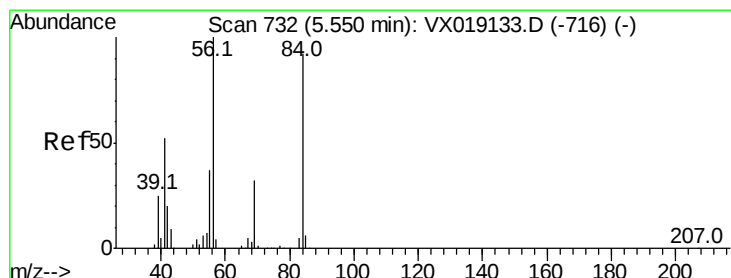
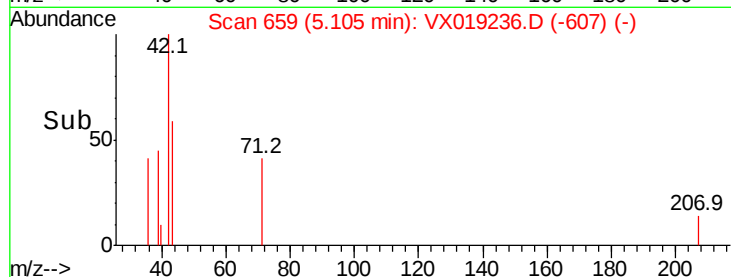
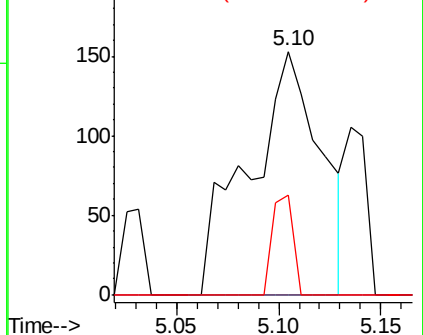
71 11.7 39.7 59.5#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.07 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

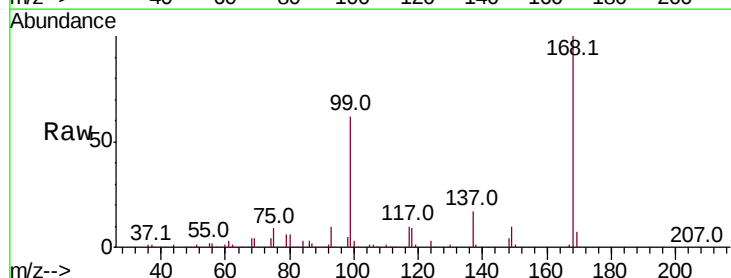
Tgt Ion: 56 Resp: 7282

Ion Ratio Lower Upper

56 100

69 165.8 25.9 38.9#

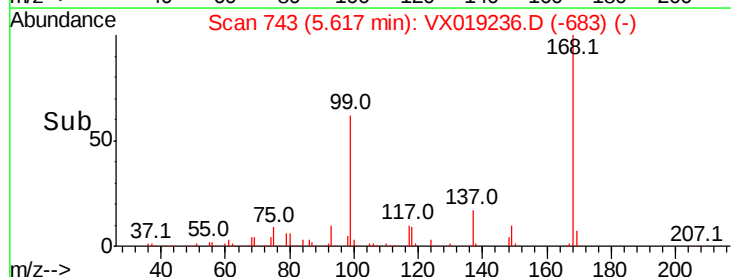
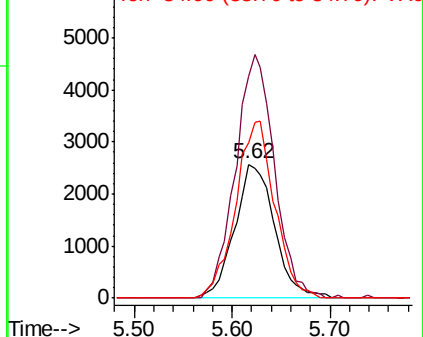
84 116.5 73.4 110.2#

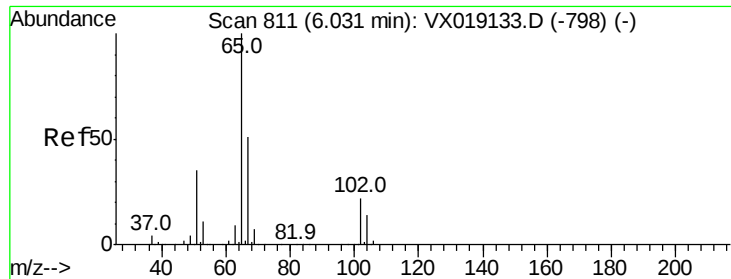


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.475 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

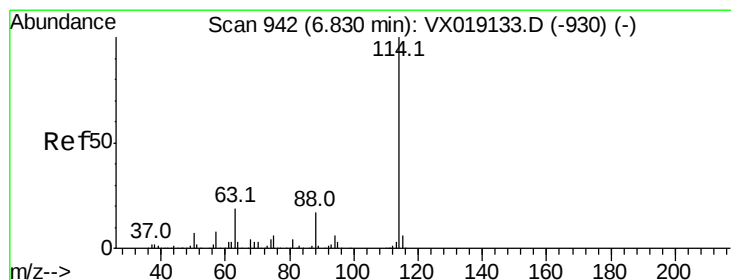
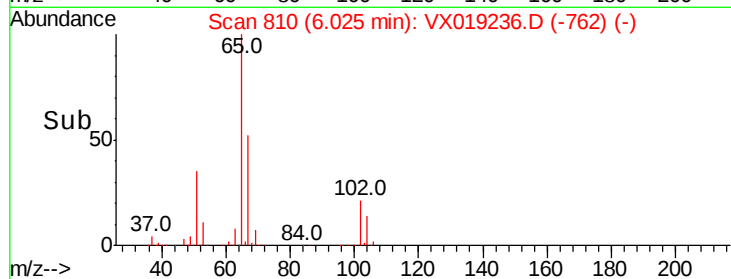
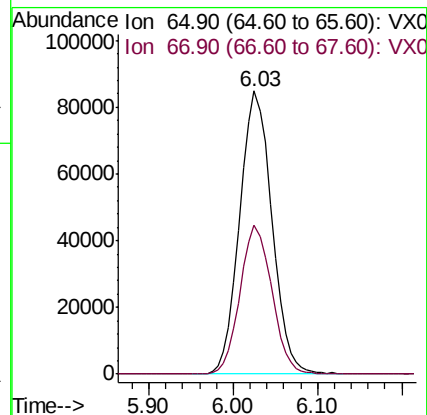
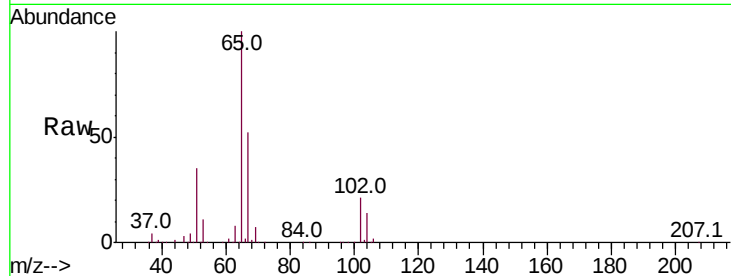
VX1104WBL01

Tot Ion: 65 Resp: 219876

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

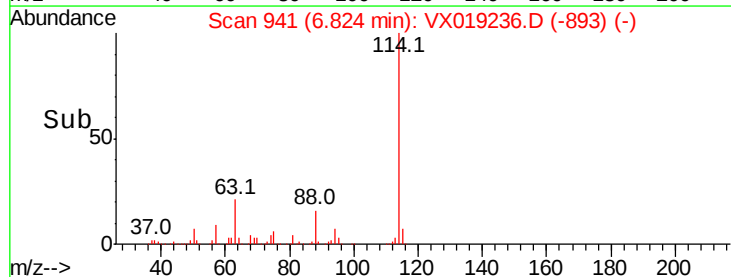
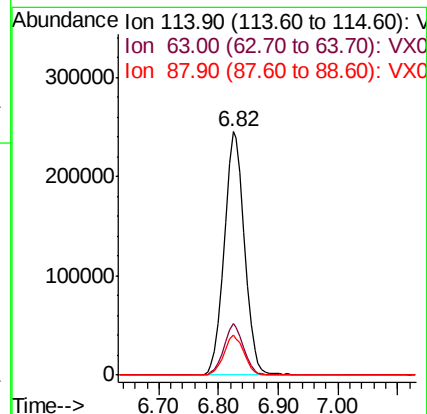
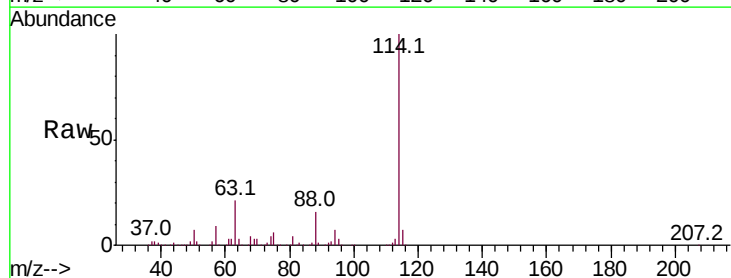
Tgt Ion: 114 Resp: 580493

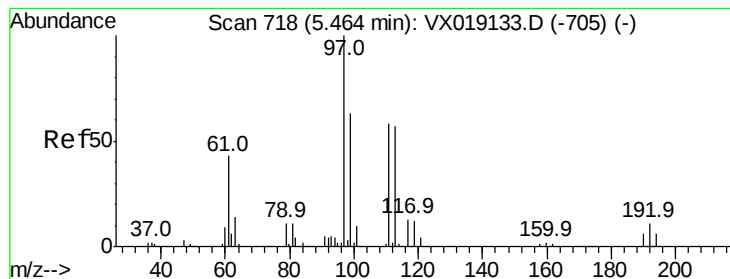
Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.162 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

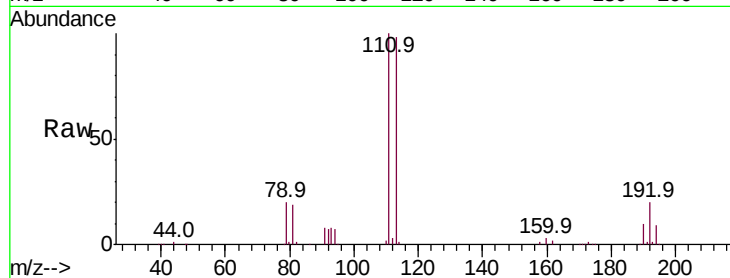
Tot Ion:113 Resp: 179257

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

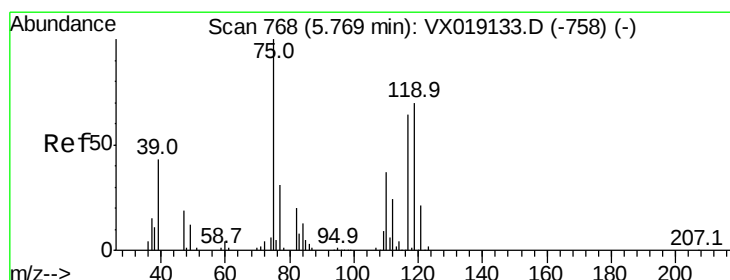
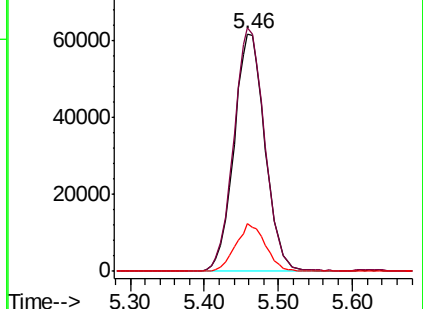
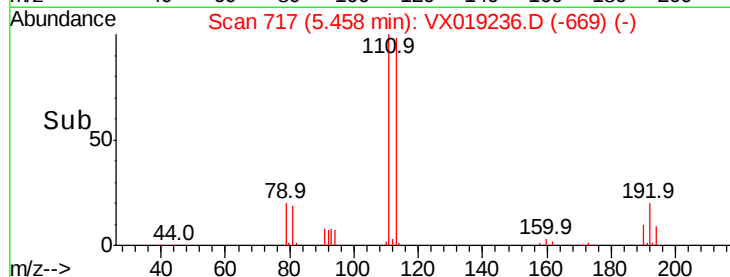
192 19.3 16.2 24.2



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: 5.241 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

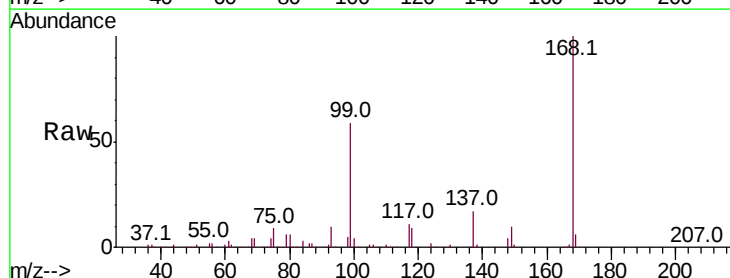
Tgt Ion: 75 Resp: 28096

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

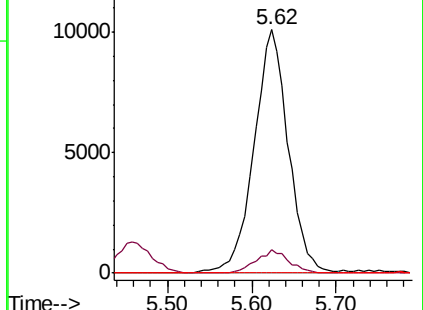
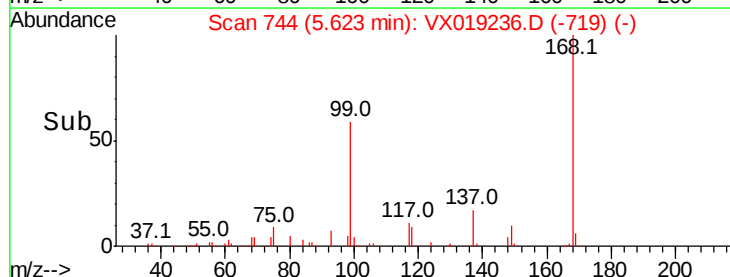
77 0.0 24.9 37.3#

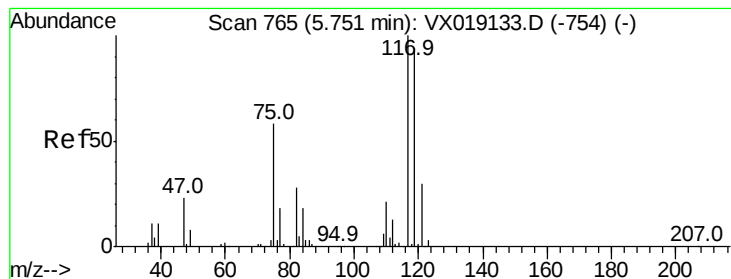


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.443 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

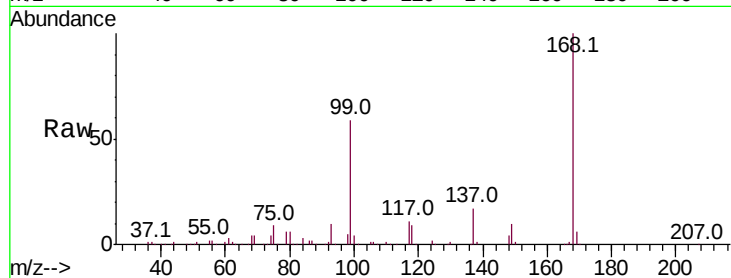
Tot Ion:117 Resp: 35204

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

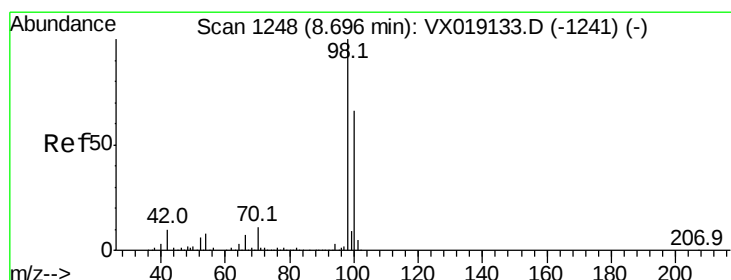
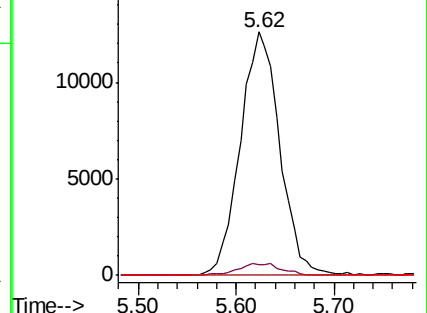
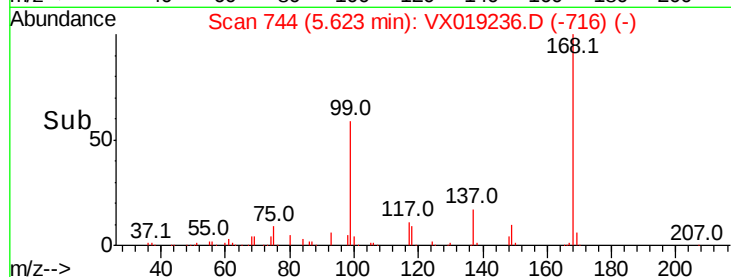
121 0.0 23.9 35.9#



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: 53.820 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019236.D

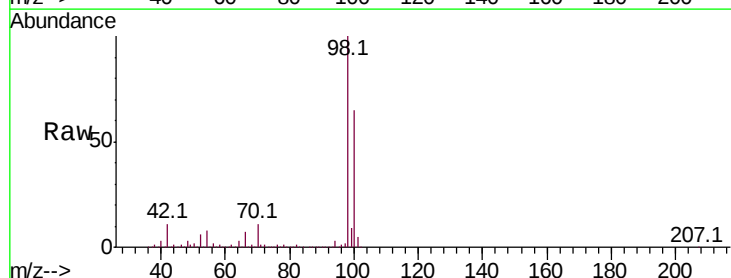
Acq: 03 Nov 2020 16:27

Tgt Ion: 98 Resp: 739769

Ion Ratio Lower Upper

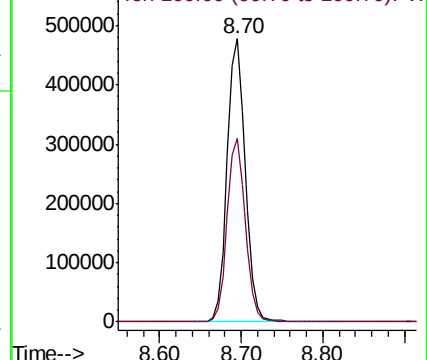
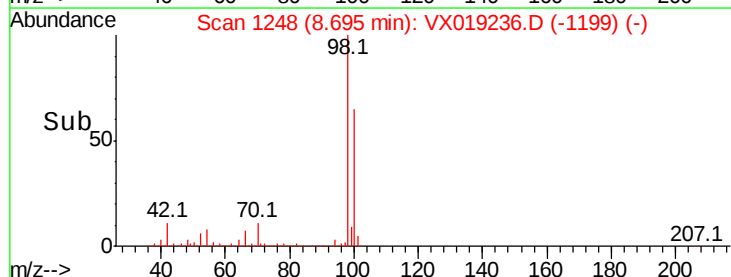
98 100

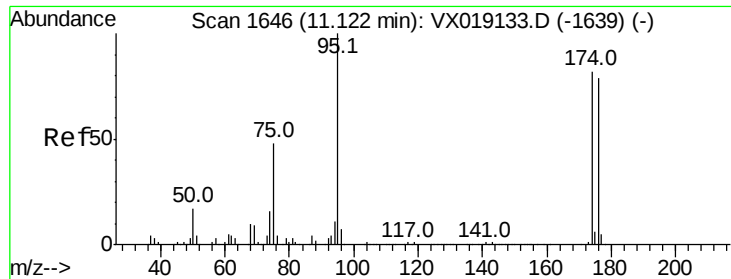
100 65.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.201 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampled :

VX1104WBL01

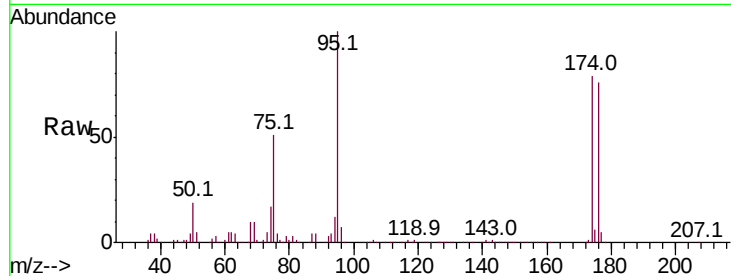
Tot Ion: 95 Resp: 271729

Ion Ratio Lower Upper

95 100

174 76.2 0.0 156.0

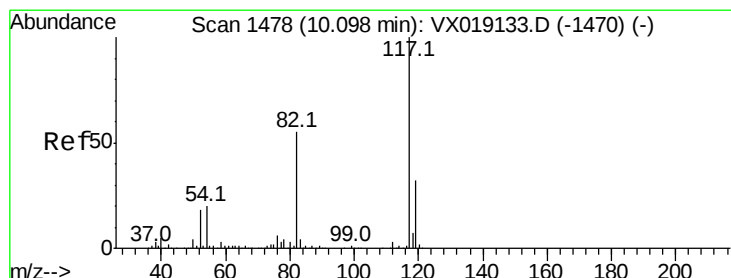
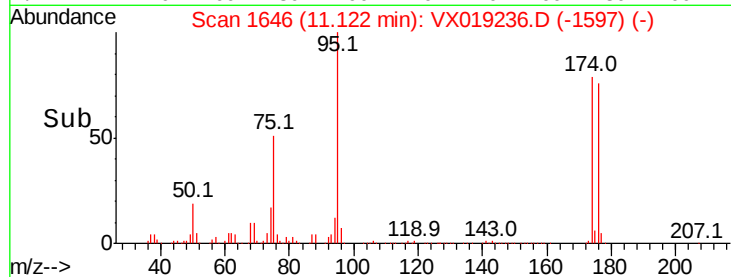
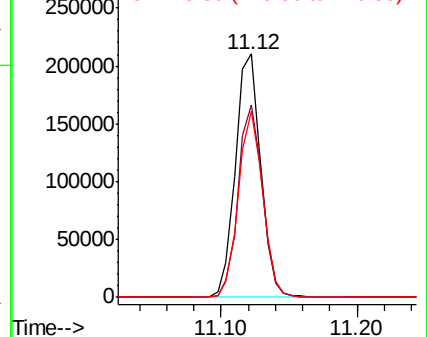
176 73.9 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019133.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019133.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019133.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

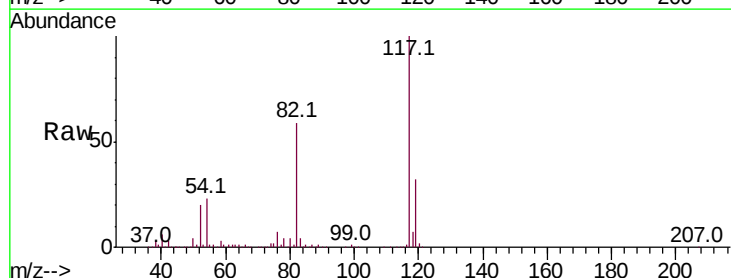
Tgt Ion: 117 Resp: 569866

Ion Ratio Lower Upper

117 100

82 58.8 43.6 65.4

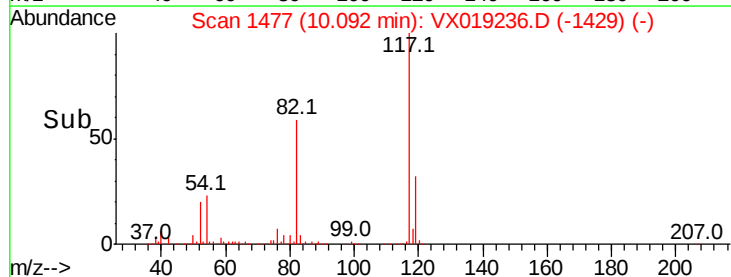
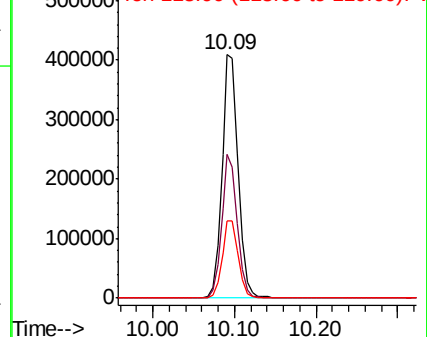
119 31.5 25.5 38.3

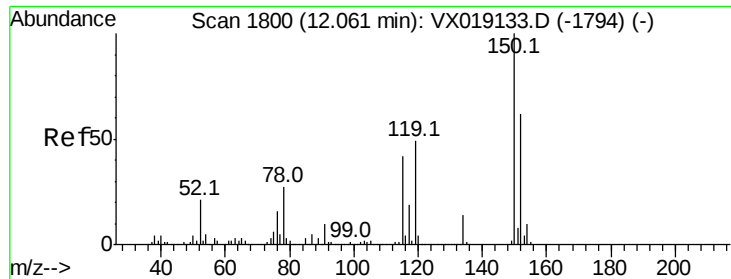


Abundance Ion 116.90 (116.60 to 117.60): VX019133.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019133.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019133.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019236.D

Acq: 03 Nov 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

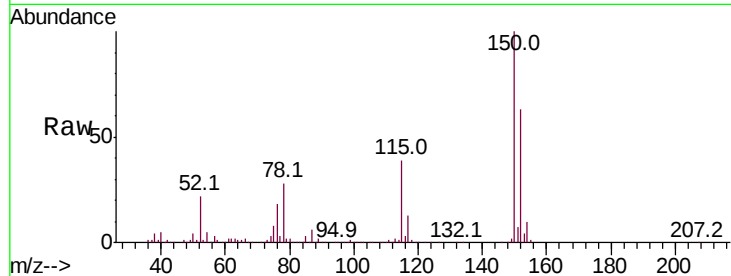
Tot Ion:152 Resp: 264506

Ion Ratio Lower Upper

152 100

115 61.1 41.9 125.7

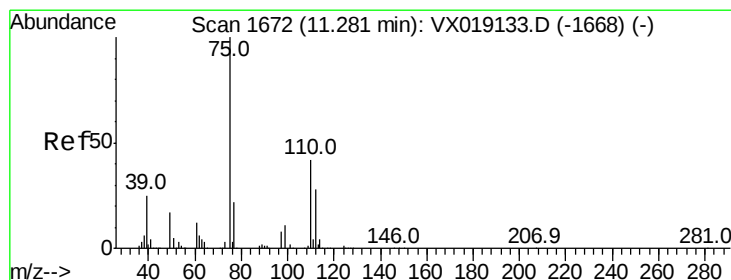
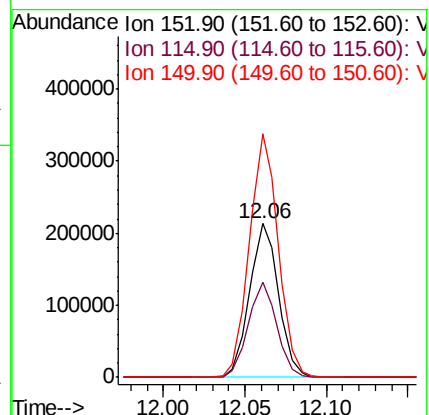
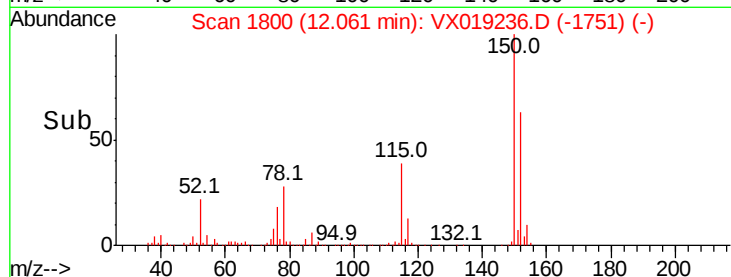
150 158.0 0.0 347.8



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: 25.426 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019236.D

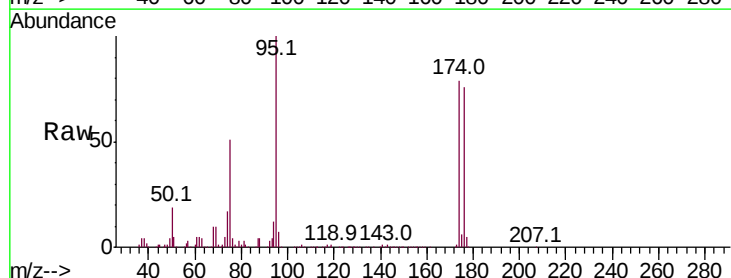
Acq: 03 Nov 2020 16:27

Tgt Ion: 75 Resp: 138863

Ion Ratio Lower Upper

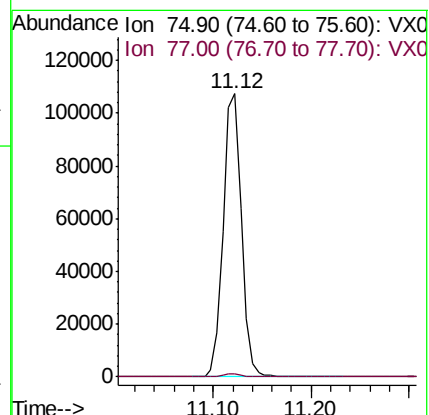
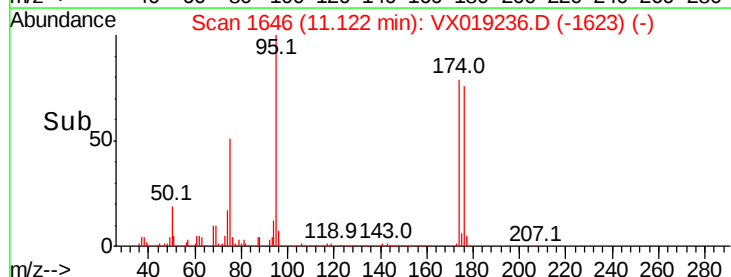
75 100

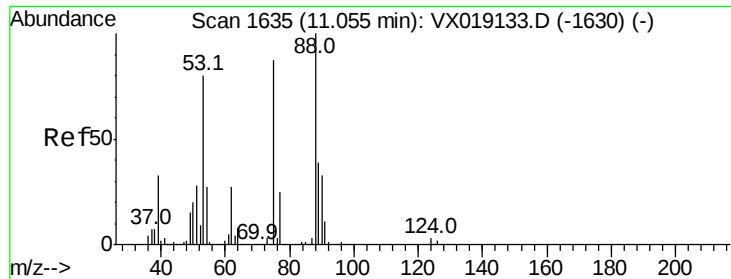
77 1.2 20.3 60.9#



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: 66.946 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019236.D
 Acq: 03 Nov 2020 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBL01

Tot Ion: 75 Resp: 138863
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

