

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019330.D
 Acq On : 06 Nov 2020 10:35
 Operator : JC/MD
 Sample : VX1107WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBL01

Quant Time: Nov 07 00:59:11 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	5.63	168	324191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	560197	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	512365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	247957	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	219777	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	5.46	113	175636	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.70	98	681574	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.12	95	255219	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	

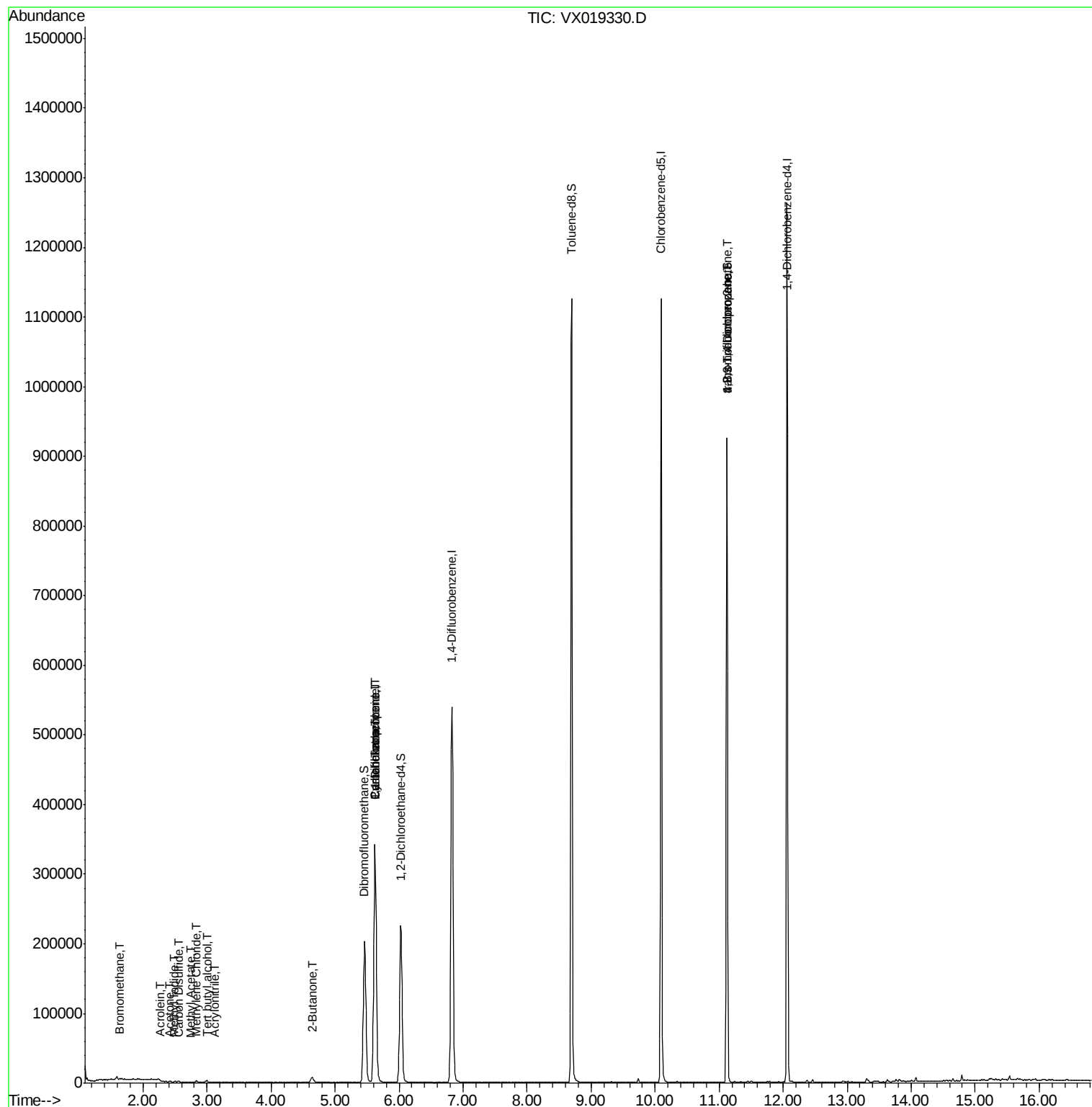
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	911	0.381	ug/l	84
10) Methyl Iodide	2.49	142	1668	6.783	ug/l	94
11) Tert butyl alcohol	3.00	59	1846	2.235	ug/l #	72
13) Acrolein	2.27	56	200	6.177	ug/l #	16
15) Acrylonitrile	3.12	53	569	0.328	ug/l #	94
16) Acetone	2.42	43	1026	0.711	ug/l #	87
17) Carbon Disulfide	2.55	76	1891	0.968	ug/l #	93
18) Methyl Acetate	2.75	43	894	0.255	ug/l #	61
20) Methylene Chloride	2.83	84	1106	0.305	ug/l #	90
25) 2-Butanone	4.64	43	855	0.376	ug/l #	44
31) Cyclohexane	5.62	56	7232	1.368	ug/l #	9
36) 1,1-Dichloropropene	5.62	75	26858	5.192	ug/l #	49
38) Carbon Tetrachloride	5.62	117	33560	6.365	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	130075	25.406	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	130075	66.895	ug/l #	12

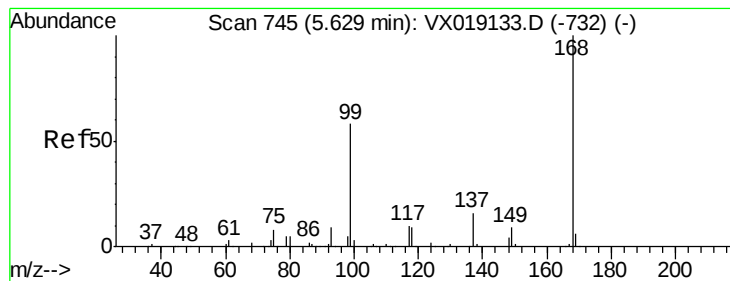
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

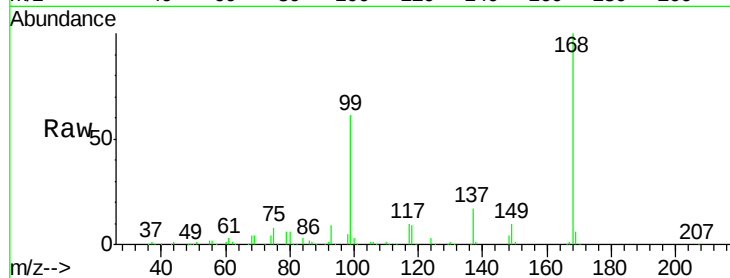
VX1107WBL01

Tot Ion:168 Resp: 324191

Ion Ratio Lower Upper

168 100

99 60.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

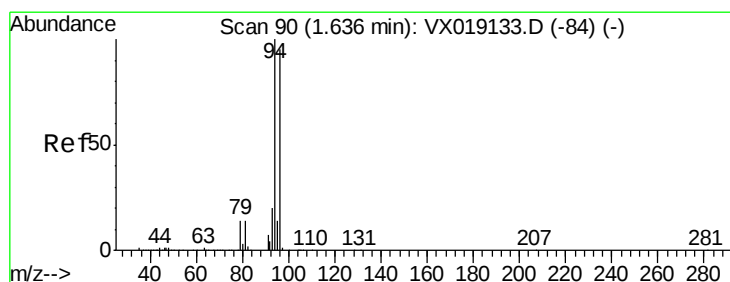
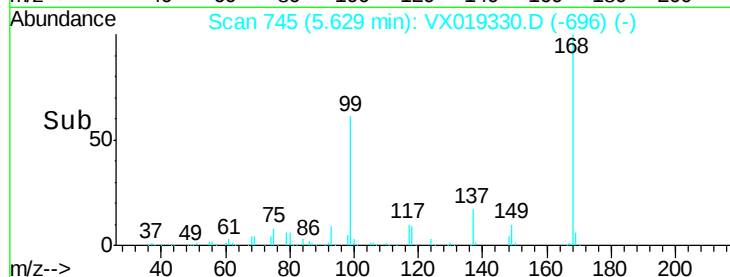
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.381 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019330.D

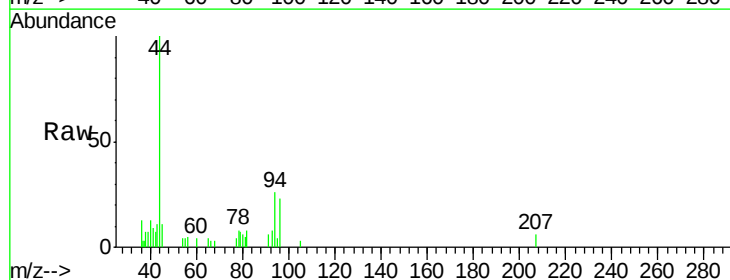
Acq: 06 Nov 2020 10:35

Tgt Ion: 94 Resp: 911

Ion Ratio Lower Upper

94 100

96 79.4 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

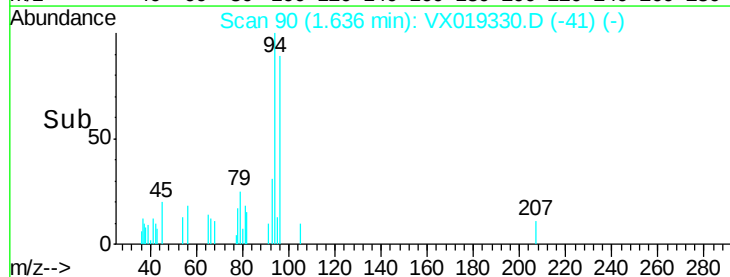
400

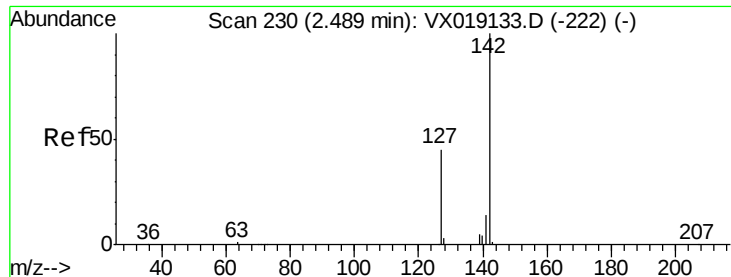
200

0

Time-->

1.60 1.65 1.70

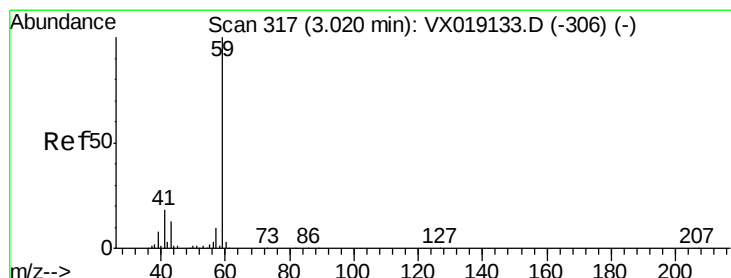
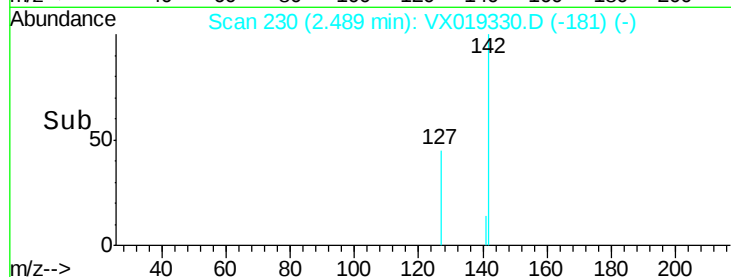
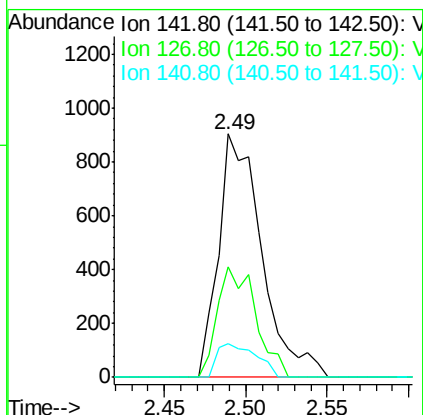
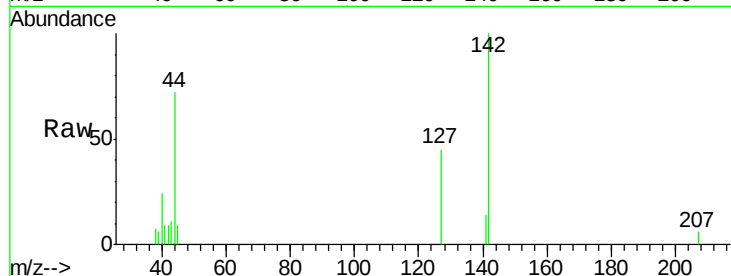




#10
Methvl Iodide
Concen: 6.783 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019330.D
Acq: 06 Nov 2020 10:35

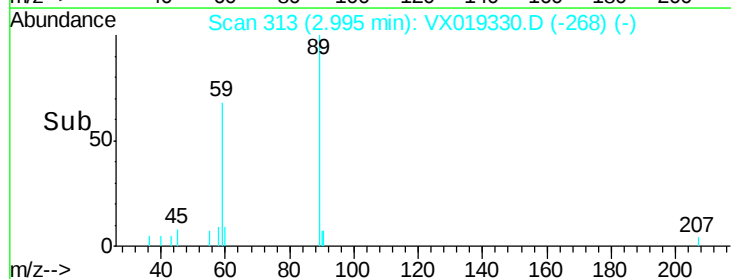
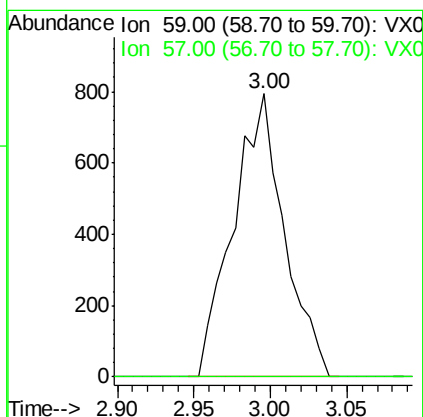
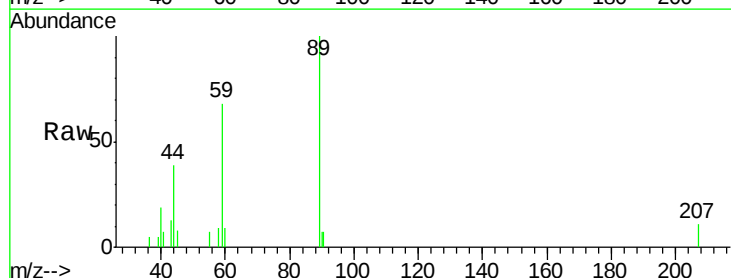
Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

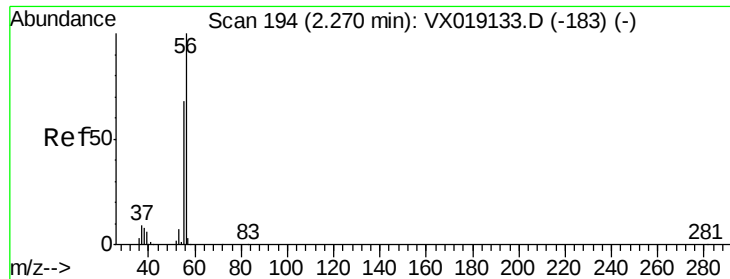
Tot Ion:142 Resp: 1668
Ion Ratio Lower Upper
142 100
127 40.3 36.1 54.1
141 12.6 11.3 16.9



#11
Tert butyl alcohol
Concen: 2.235 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019330.D
Acq: 06 Nov 2020 10:35

Tgt Ion: 59 Resp: 1846
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 6.177 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

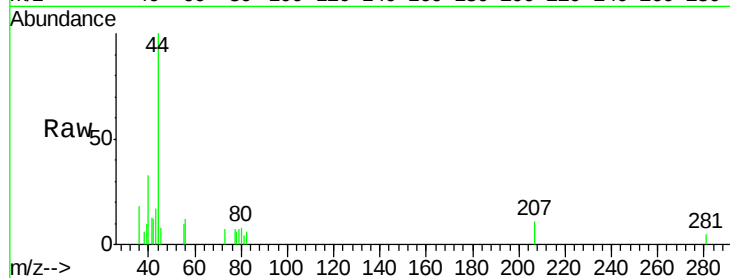
VX1107WBL01

Tot Ion: 56 Resp: 200

Ion Ratio Lower Upper

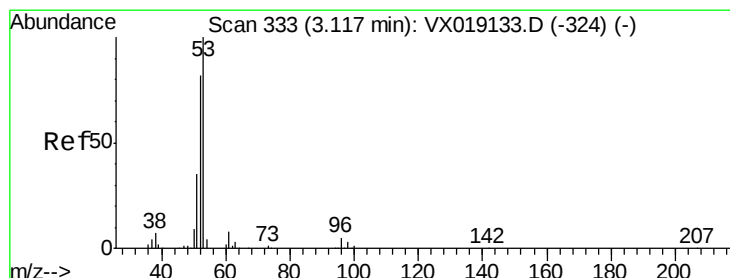
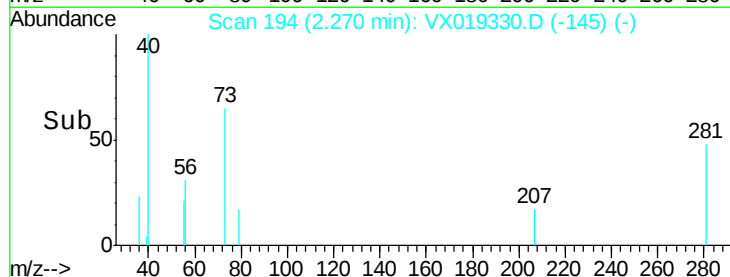
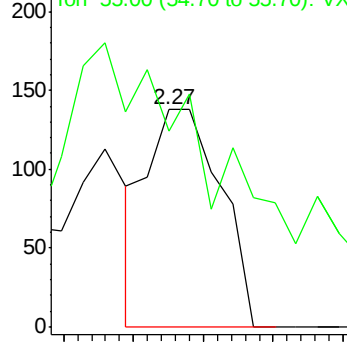
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.328 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

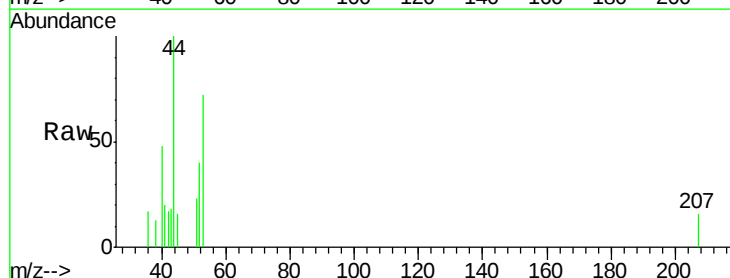
Tgt Ion: 53 Resp: 569

Ion Ratio Lower Upper

53 100

52 81.0 65.7 98.5

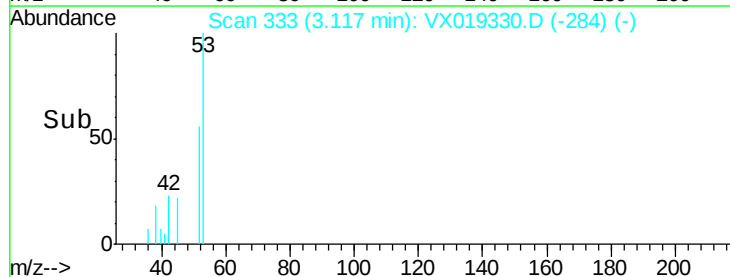
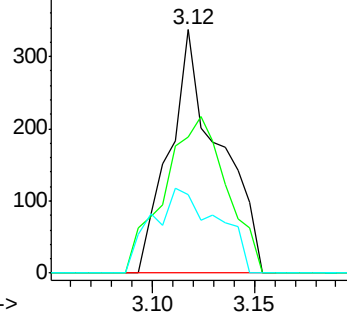
51 46.0 28.4 42.6#

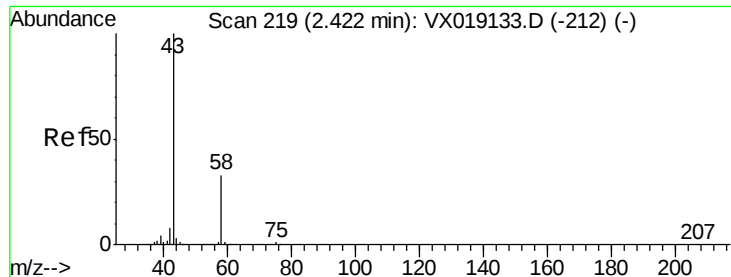


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.711 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

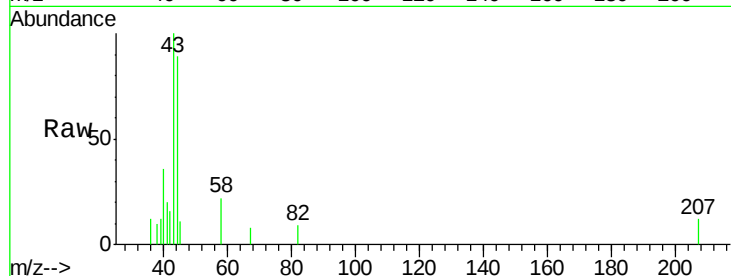
VX1107WBL01

Tot Ion: 43 Resp: 1026

Ion Ratio Lower Upper

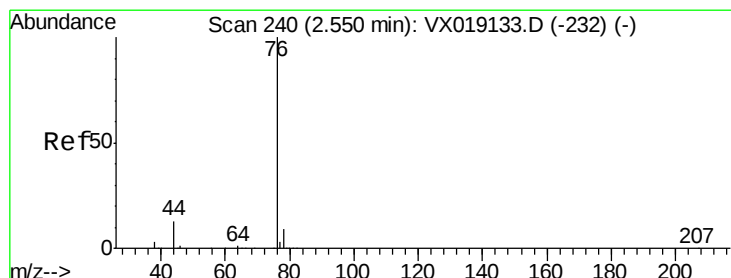
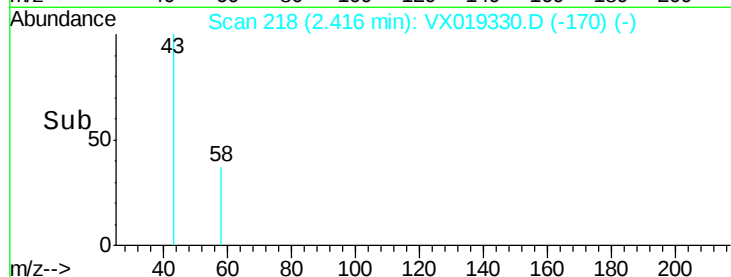
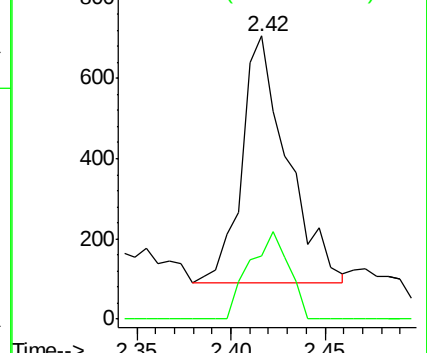
43 100

58 25.8 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.968 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019330.D

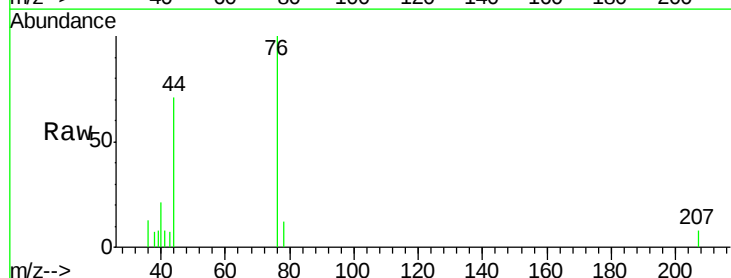
Acq: 06 Nov 2020 10:35

Tgt Ion: 76 Resp: 1891

Ion Ratio Lower Upper

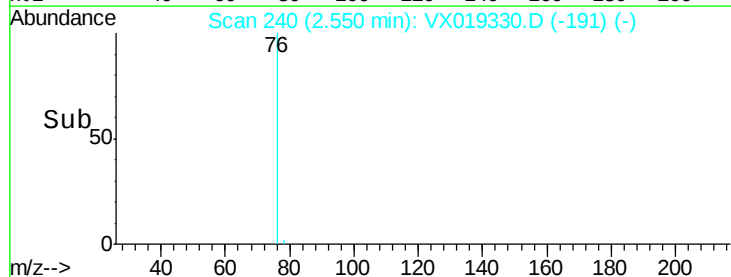
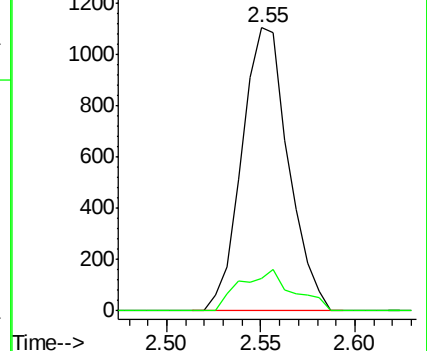
76 100

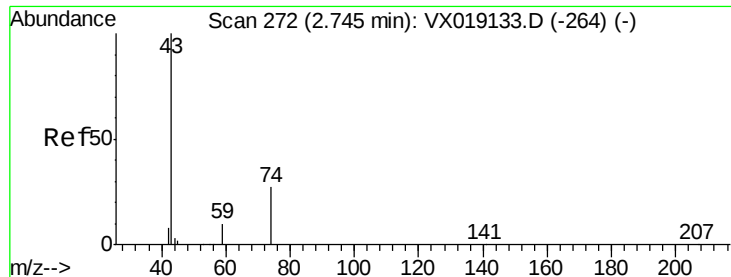
78 11.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

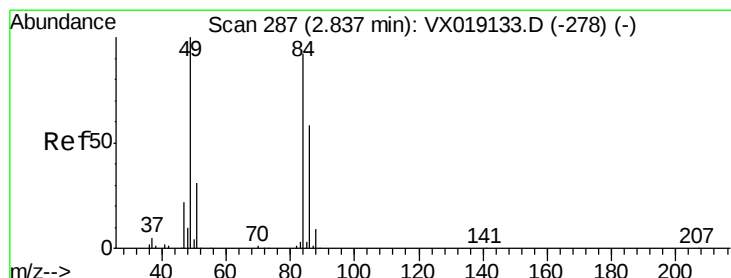
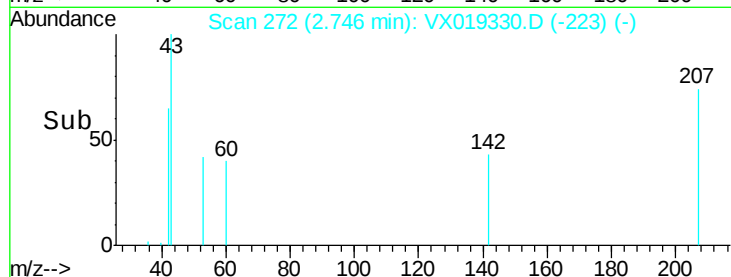
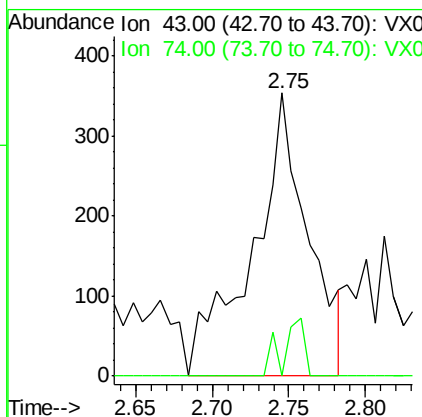
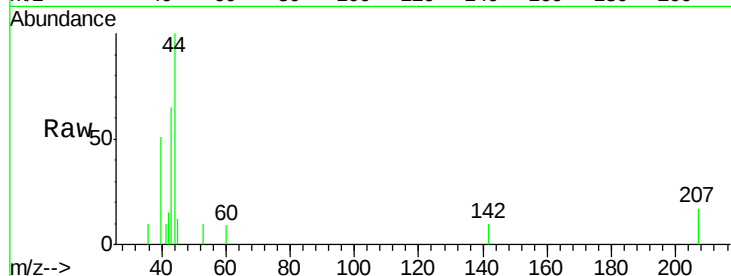




#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019330.D
Acq: 06 Nov 2020 10:35

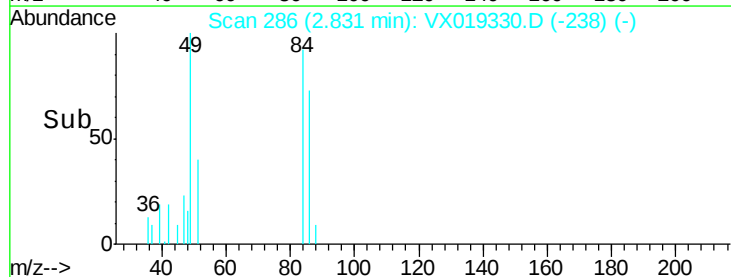
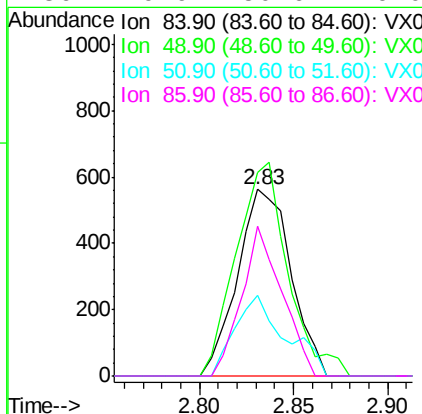
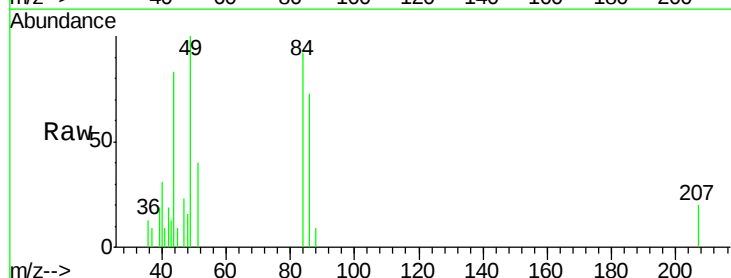
Instrument :
MSVOA_X
ClientSampled :
VX1107WBL01

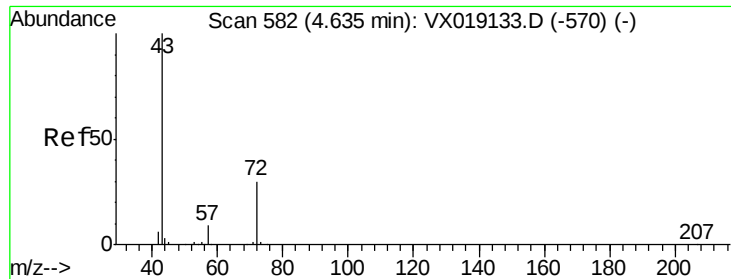
Tot Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
74 7.7 22.6 33.8#



#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019330.D
Acq: 06 Nov 2020 10:35

Tgt Ion: 84 Resp: 1106
Ion Ratio Lower Upper
84 100
49 109.2 86.8 130.2
51 43.3 27.3 40.9#
86 79.9 50.6 76.0#





#25

2-Butanone

Concen: 0.376 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

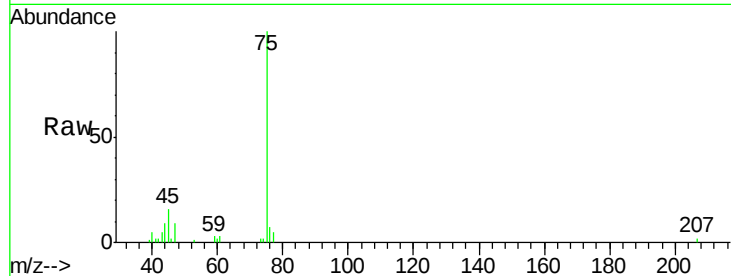
VX1107WBL01

Tot Ion: 43 Resp: 855

Ion Ratio Lower Upper

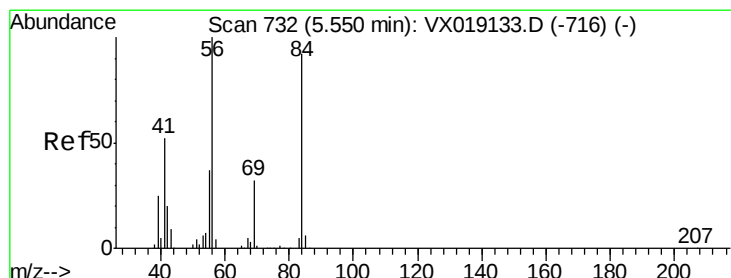
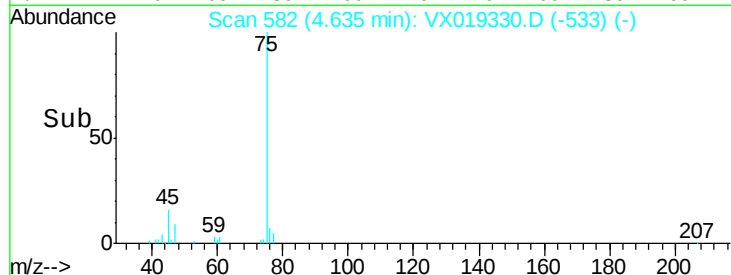
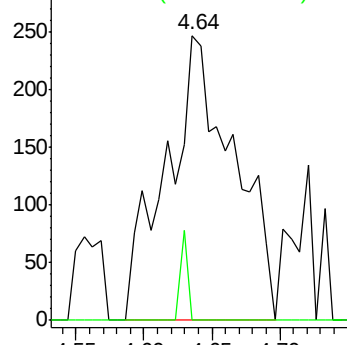
43 100

72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.368 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.07 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

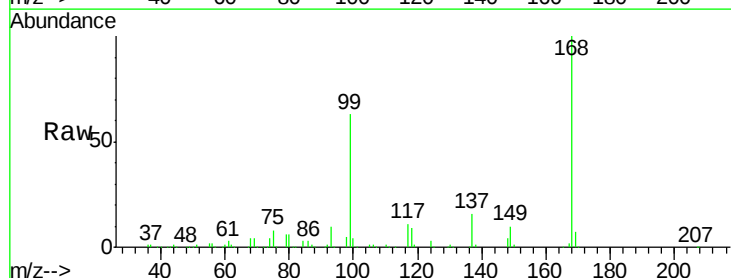
Tgt Ion: 56 Resp: 7232

Ion Ratio Lower Upper

56 100

69 168.4 25.9 38.9#

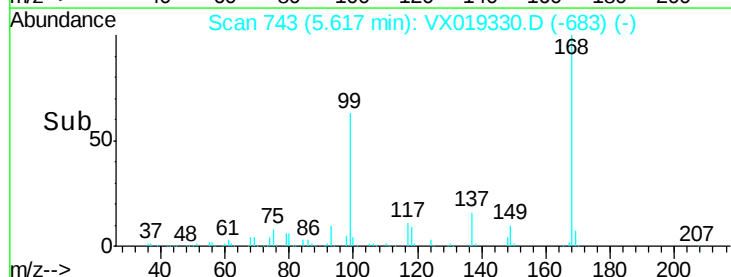
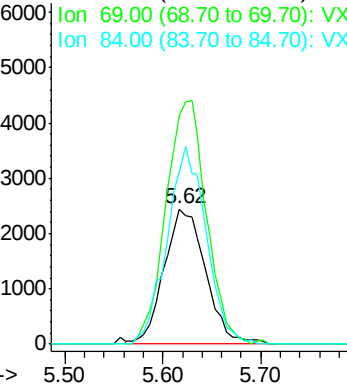
84 127.4 73.4 110.2#

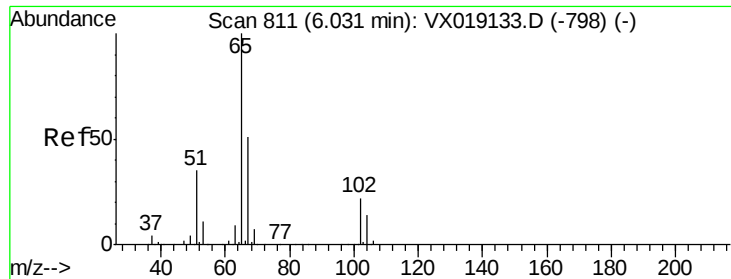


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

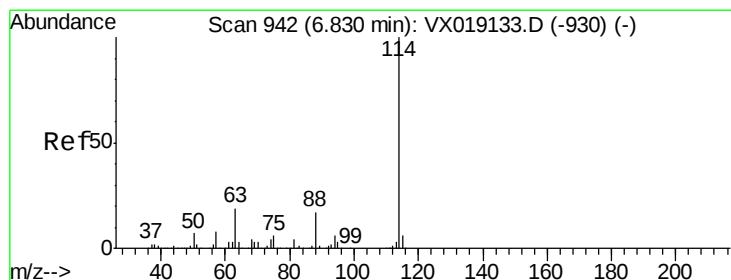
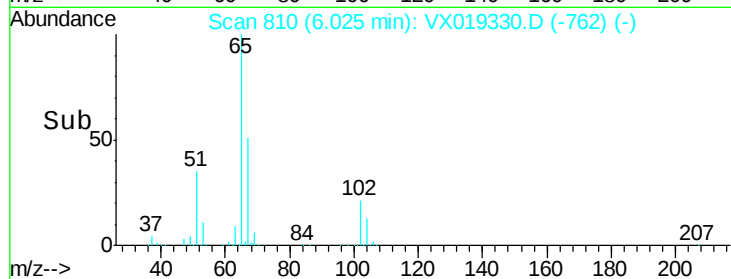
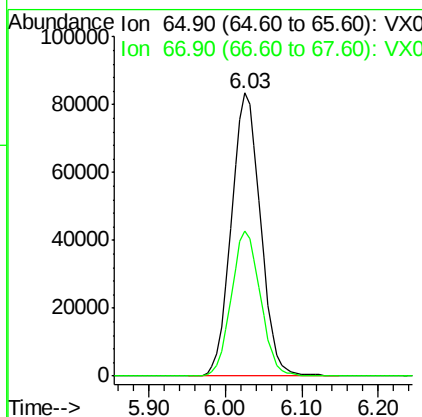
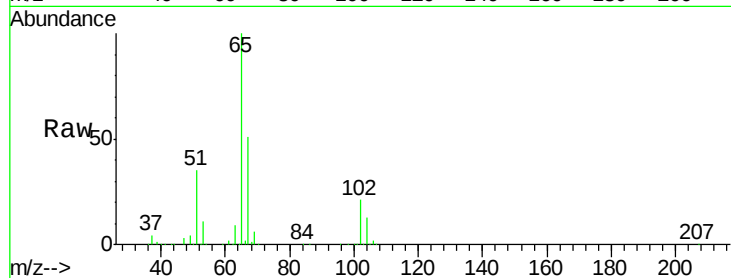




#33
 1,2-Dichloroethane-d4
 Concen: 52.568 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019330.D
 Acq: 06 Nov 2020 10:35

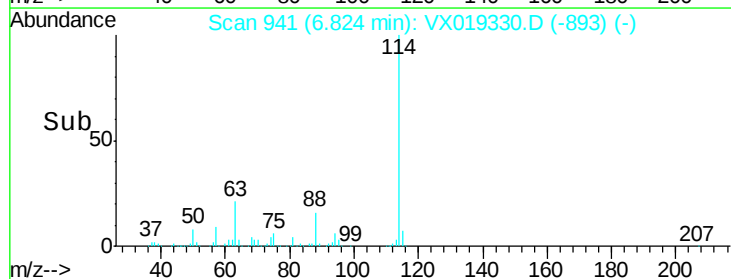
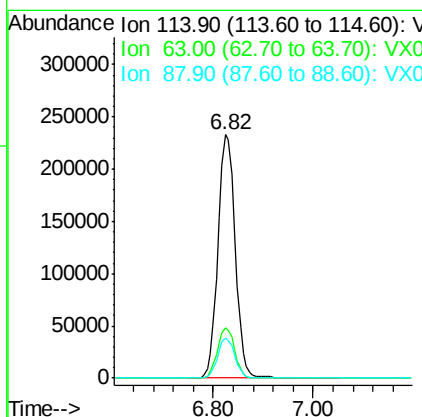
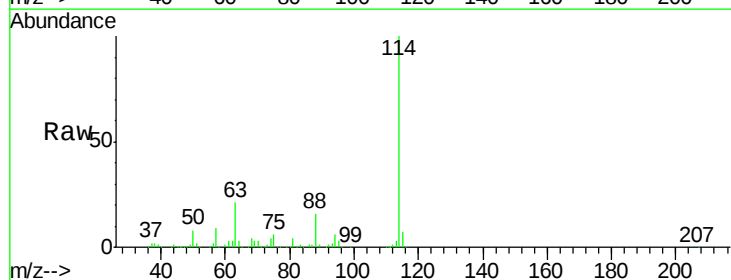
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBL01

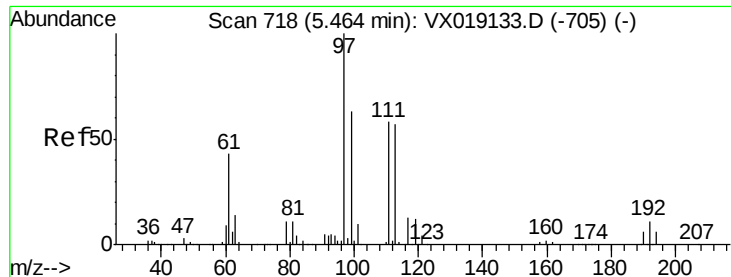
Tot Ion: 65 Resp: 219777
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019330.D
 Acq: 06 Nov 2020 10:35

Tgt Ion: 114 Resp: 560197
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 16.4 0.0 34.2

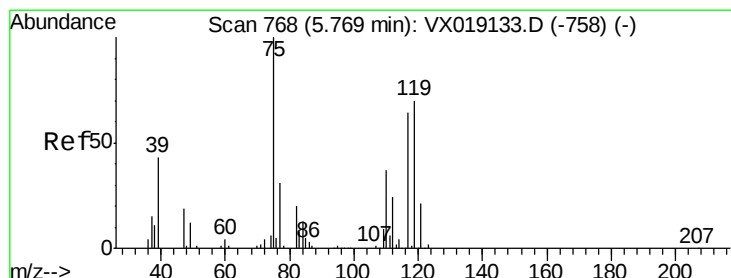
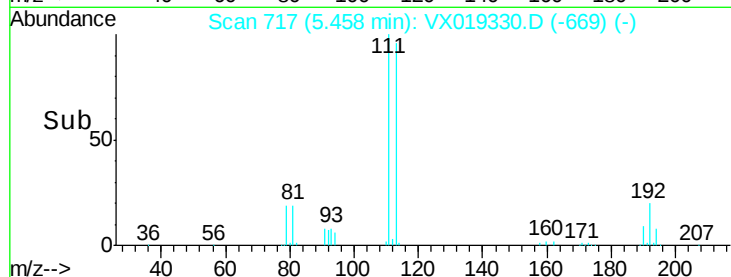
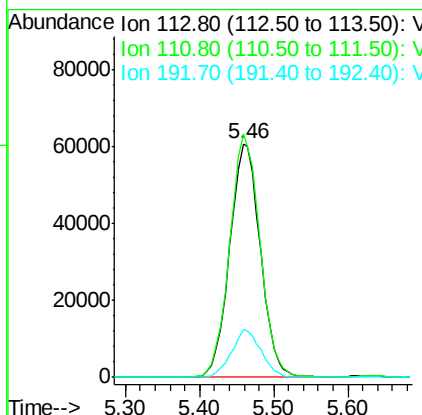
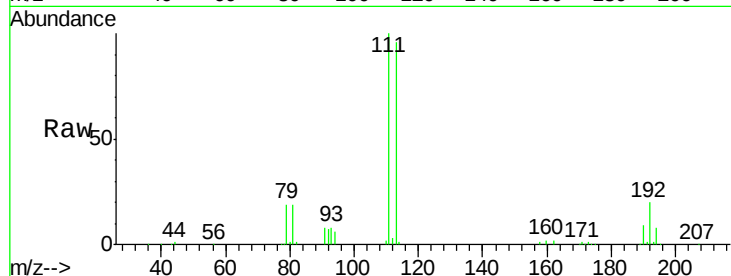




#35
 Dibromofluoromethane
 Concen: 49.914 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX019330.D
 Acq: 06 Nov 2020 10:35

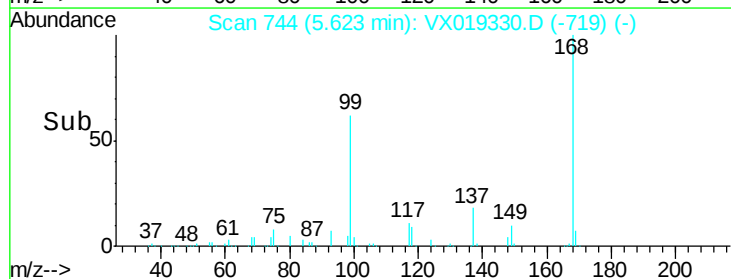
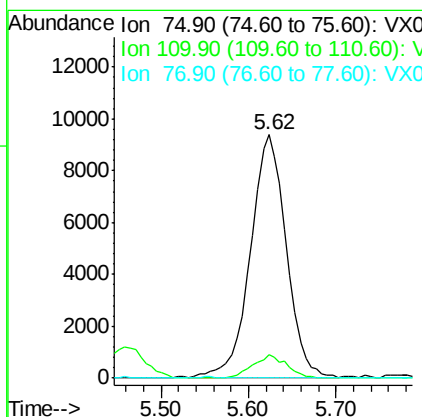
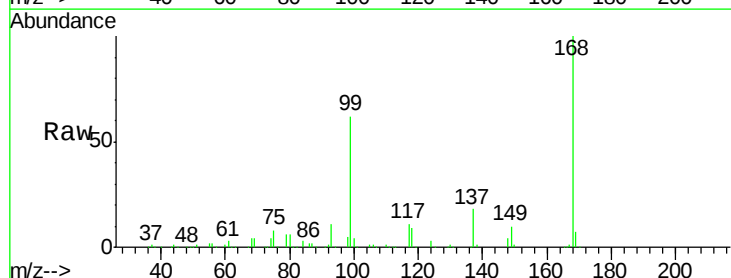
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBL01

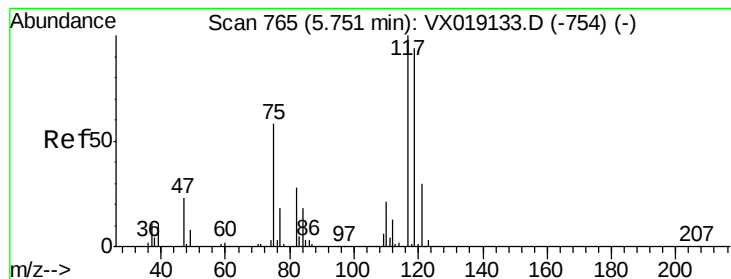
Tot Ion:113 Resp: 175636
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.3 123.5
 192 19.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX019330.D
 Acq: 06 Nov 2020 10:35

Tgt Ion: 75 Resp: 26858
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.365 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBL01

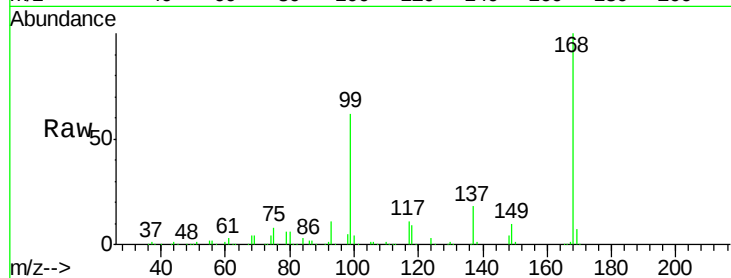
Tot Ion:117 Resp: 33560

Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

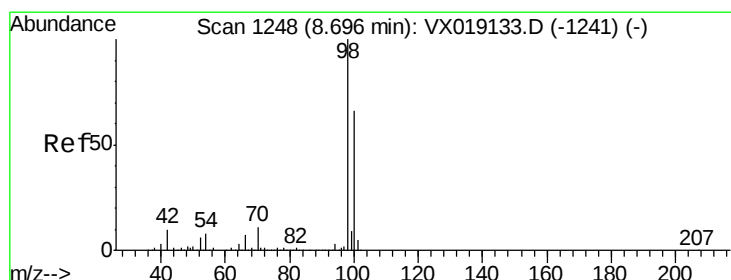
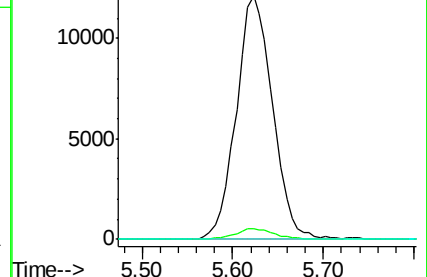
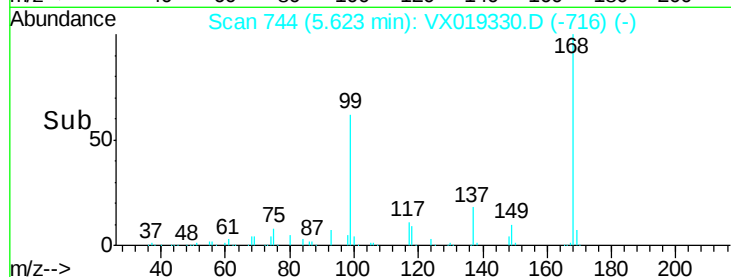
121 0.0 23.9 35.9#



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: 51.383 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019330.D

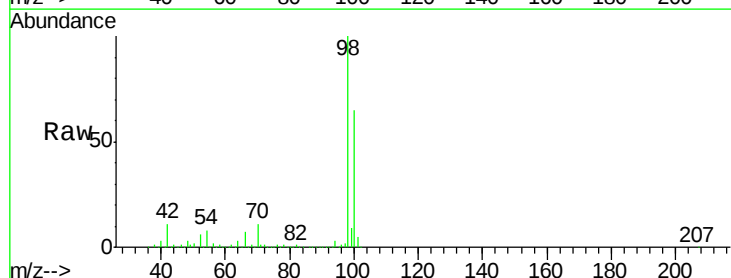
Acq: 06 Nov 2020 10:35

Tgt Ion: 98 Resp: 681574

Ion Ratio Lower Upper

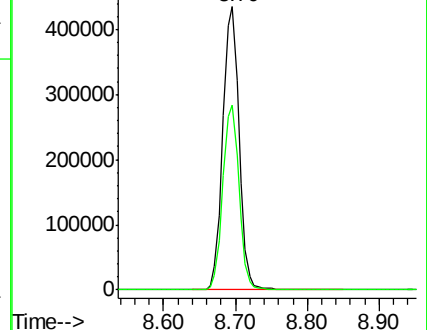
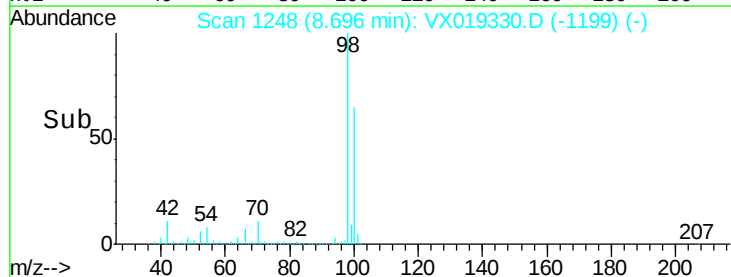
98 100

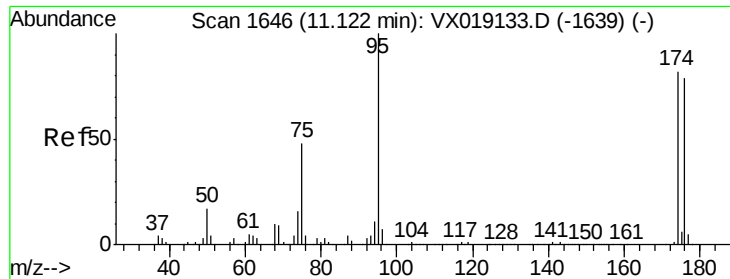
100 65.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.806 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampled :

VX1107WBL01

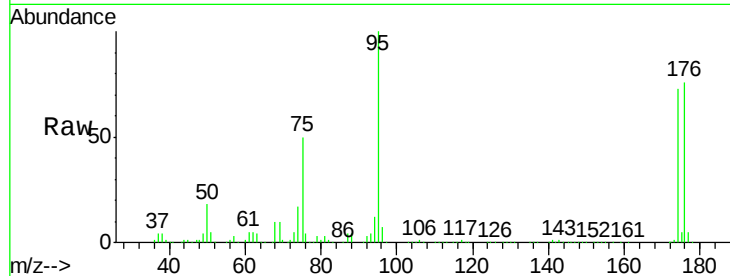
Tot Ion: 95 Resp: 255219

Ion Ratio Lower Upper

95 100

174 72.0 0.0 156.0

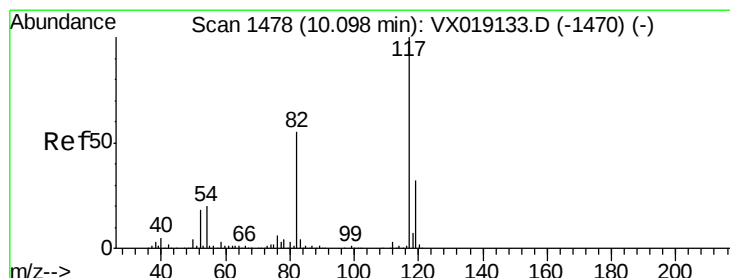
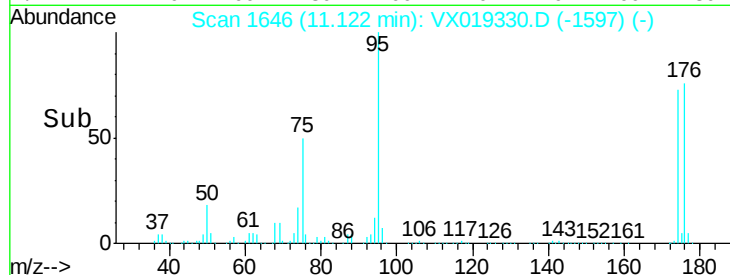
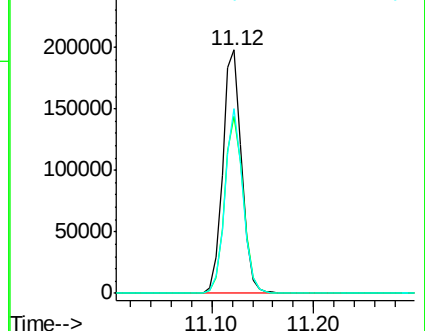
176 71.6 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): VX

Ion 175.80 (175.50 to 176.50): VX



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

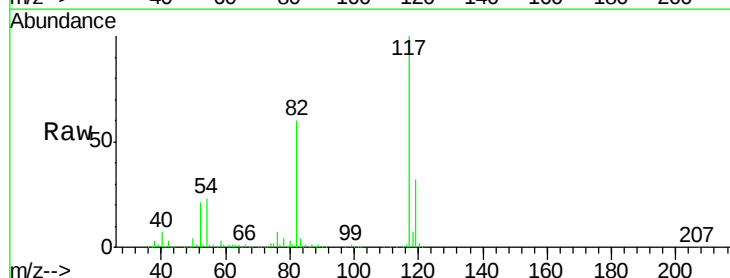
Tgt Ion: 117 Resp: 512365

Ion Ratio Lower Upper

117 100

82 59.9 43.6 65.4

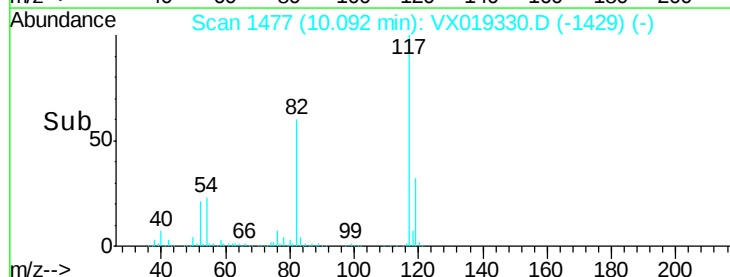
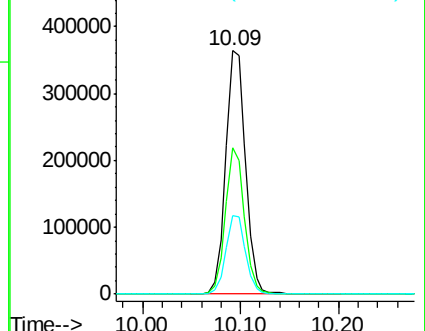
119 32.3 25.5 38.3

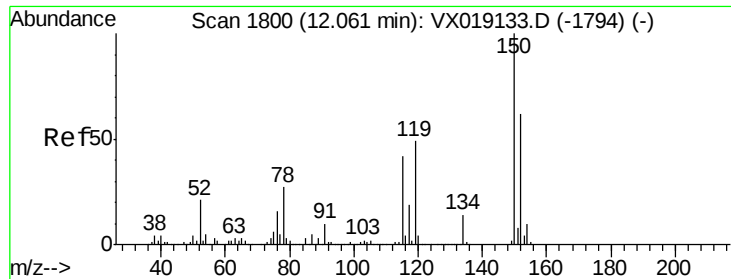


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

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: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBL01

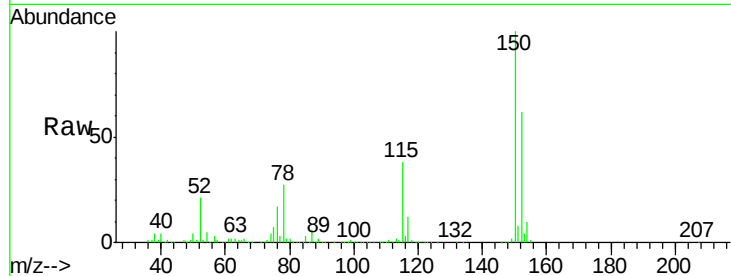
Tot Ion:152 Resp: 247957

Ion Ratio Lower Upper

152 100

115 61.0 41.9 125.7

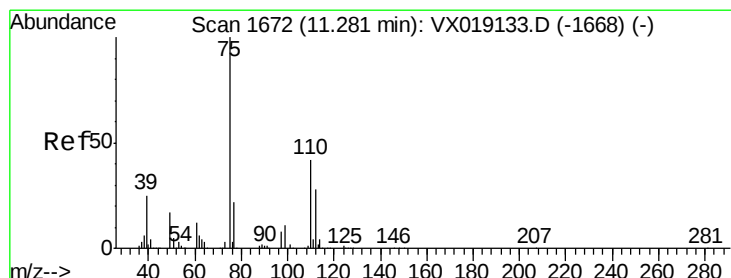
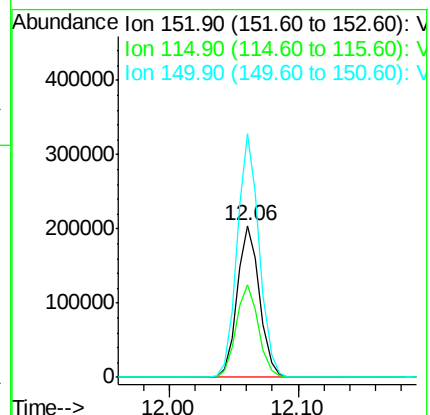
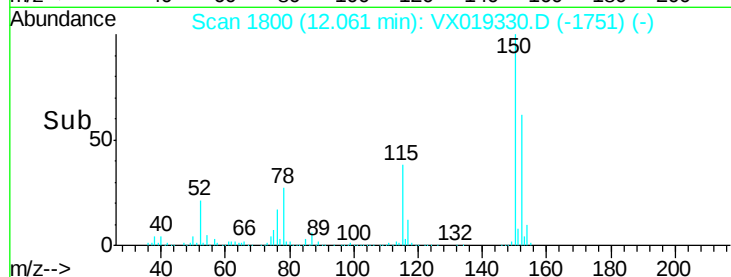
150 158.0 0.0 347.8



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: 25.406 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019330.D

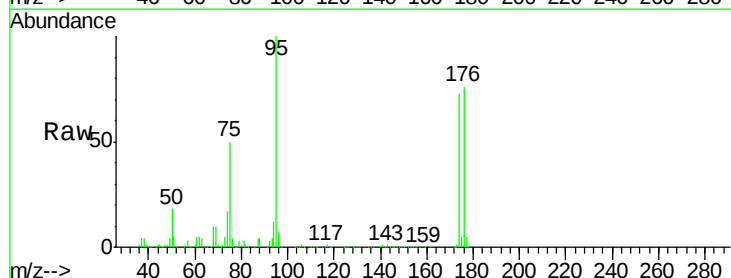
Acq: 06 Nov 2020 10:35

Tgt Ion: 75 Resp: 130075

Ion Ratio Lower Upper

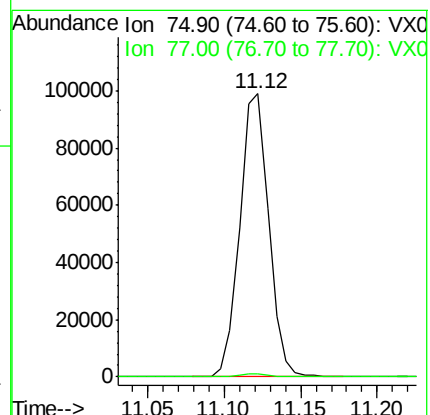
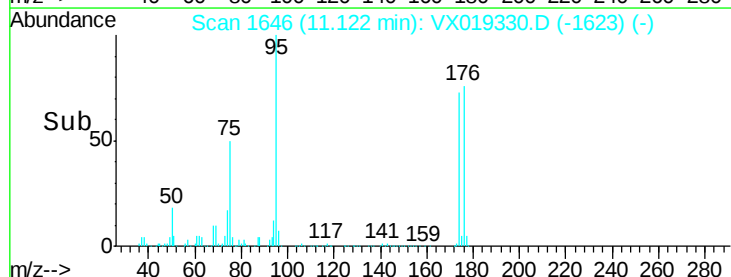
75 100

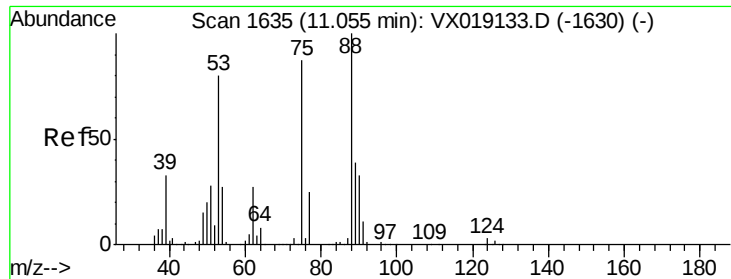
77 1.1 20.3 60.9#



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: 66.895 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019330.D

Acq: 06 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBL01

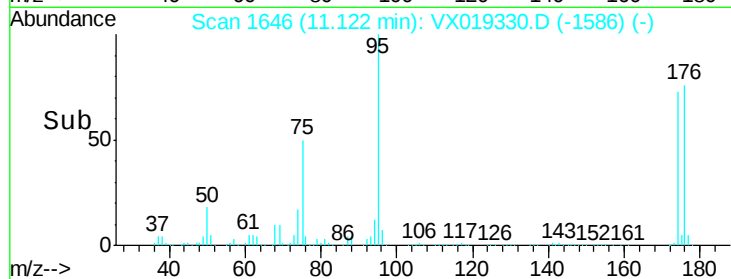
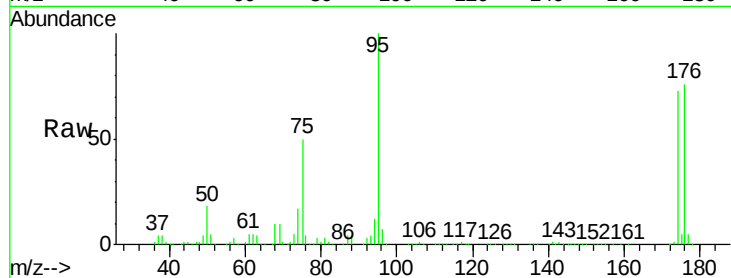
Tot Ion: 75 Resp: 130075

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



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

