

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019495.D
 Acq On : 20 Nov 2020 14:49
 Operator : JC/MD
 Sample : VX1121WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBL01

Quant Time: Nov 21 03:44:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	300846	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.82	114	484077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	432050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192044	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	182482	46.78	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.56%	
35) Dibromofluoromethane		5.46	113	143978	47.38	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.76%	
50) Toluene-d8		8.70	98	580272	49.14	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.28%	
62) 4-Bromofluorobenzene		11.12	95	199648	47.00	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.00%	

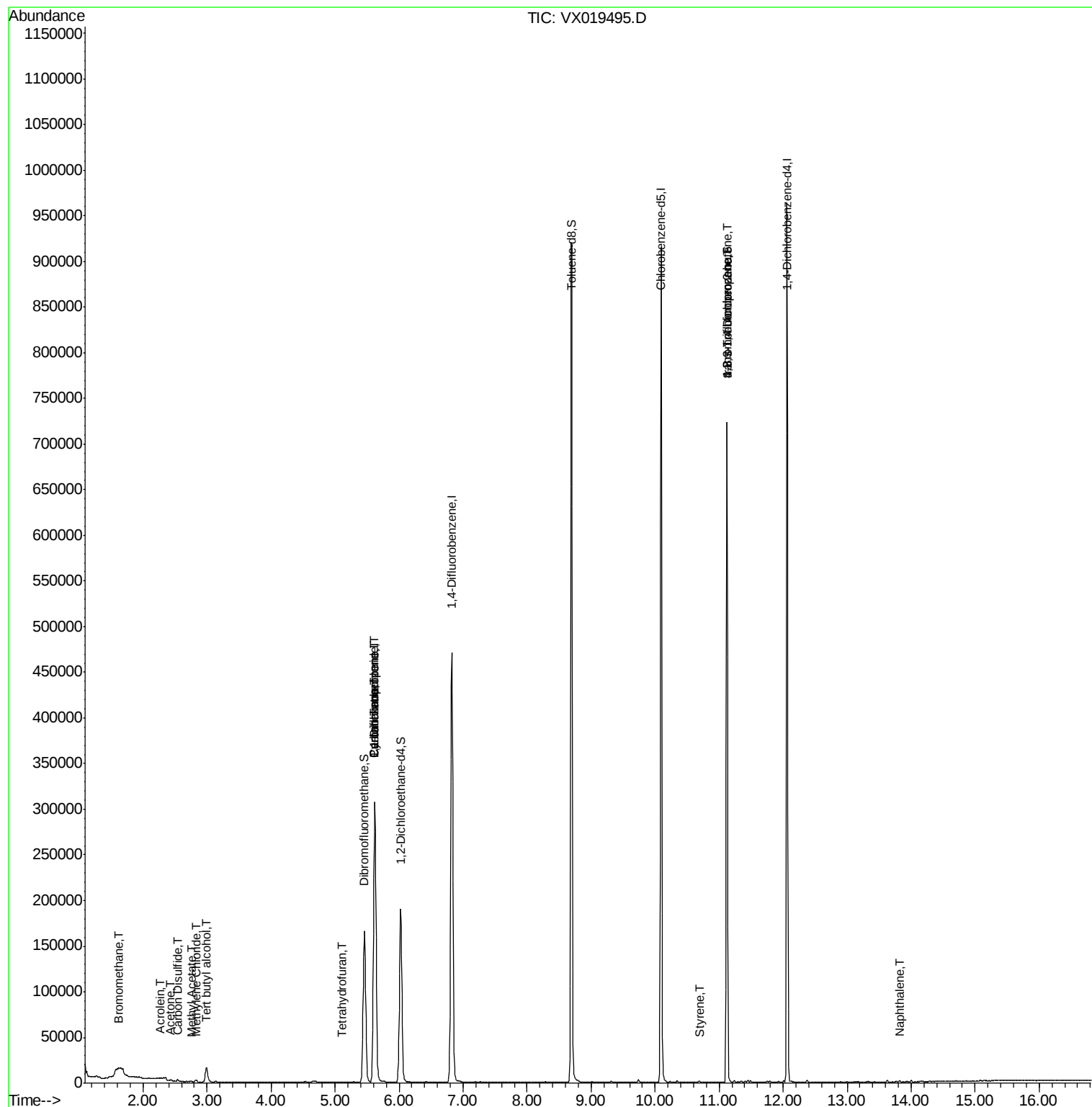
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	644	0.470	ug/l	87
6) Chloroethane	1.67	64	355	Below Cal	#	41
11) Tert butyl alcohol	2.98	59	10484	14.202	ug/l #	77
13) Acrolein	2.26	56	343	0.691	ug/l	95
16) Acetone	2.42	43	933	0.619	ug/l	95
17) Carbon Disulfide	2.54	76	2384	0.297	ug/l	95
18) Methyl Acetate	2.75	43	893	0.873	ug/l #	75
20) Methylene Chloride	2.82	84	1014	0.269	ug/l	84
29) Tetrahydrofuran	5.09	42	384	0.266	ug/l #	27
31) Cyclohexane	5.62	56	5965	1.176	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22872	5.040	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29399	6.693	ug/l #	17
70) Styrene	10.69	104	353	1.679	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	97150	23.180	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97150	61.541	ug/l #	12
95) Naphthalene	13.82	128	786	2.231	ug/l #	85

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019495.D
Acq On : 20 Nov 2020 14:49
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL01

Quant Time: Nov 21 03:44:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.01 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

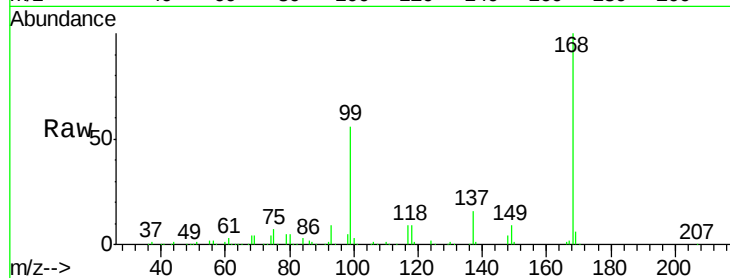
VX1121WBL01

Tot Ion:168 Resp: 300846

Ion Ratio Lower Upper

168 100

99 55.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

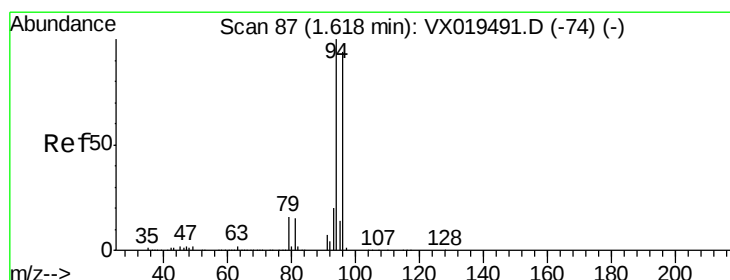
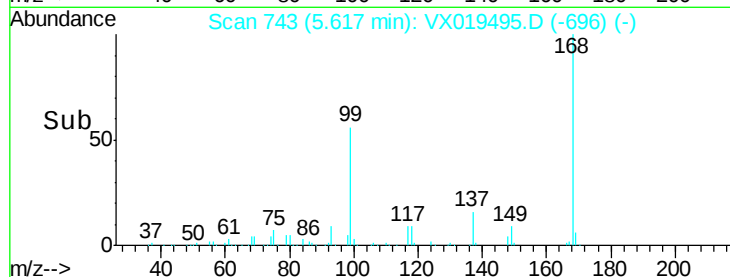
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.470 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VX019495.D

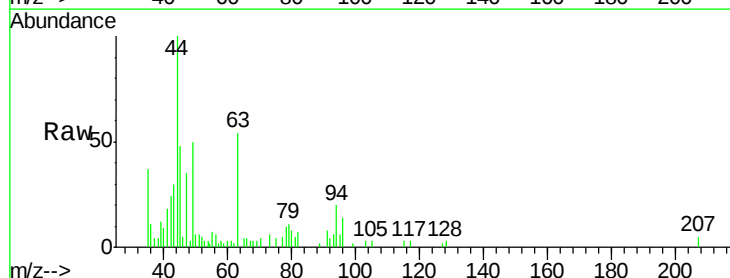
Acq: 20 Nov 2020 14:49

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

94 100

96 81.6 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

600

500

400

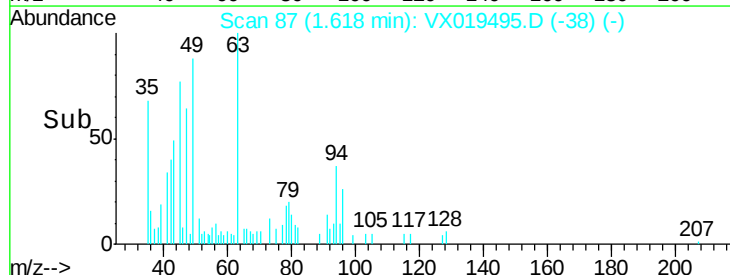
300

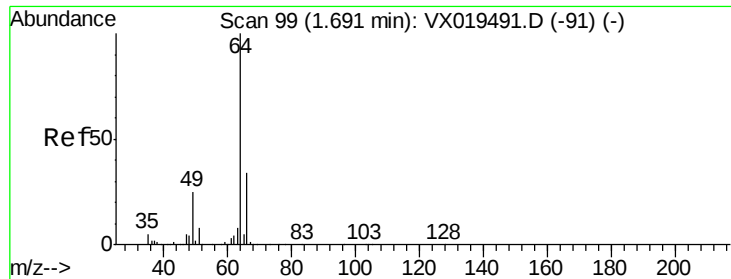
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 95

Delta R.T. -0.02 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

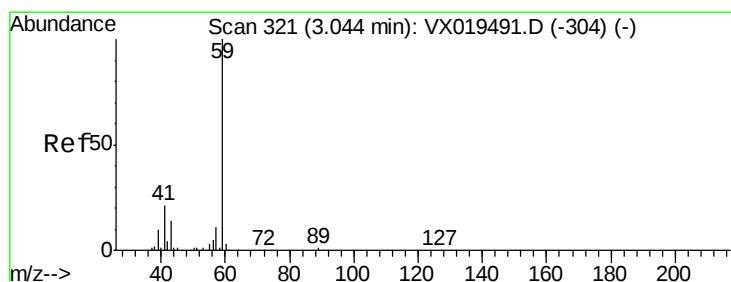
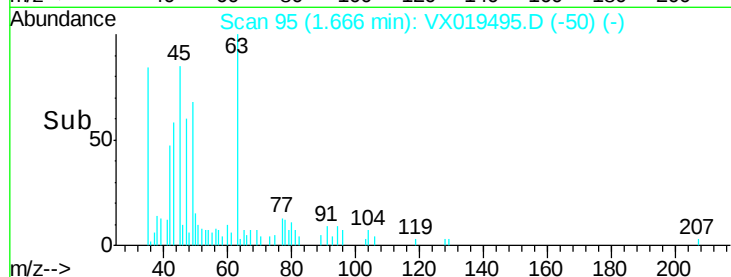
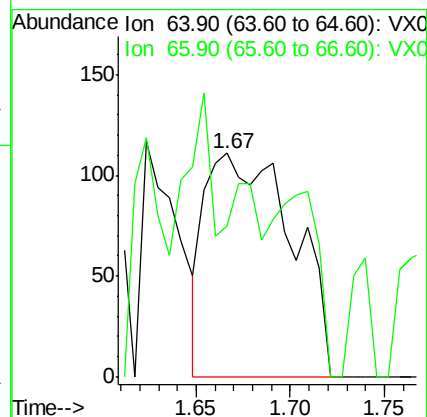
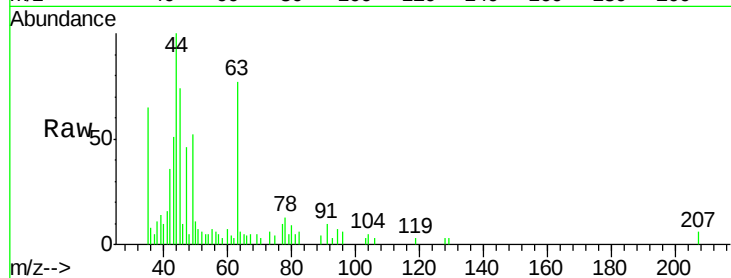
VX1121WBL01

Tot Ion: 64 Resp: 355

Ion Ratio Lower Upper

64 100

66 67.6 27.1 40.7#



#11

Tert butyl alcohol

Concen: 14.202 ug/l

RT: 2.98 min Scan# 311

Delta R.T. -0.06 min

Lab File: VX019495.D

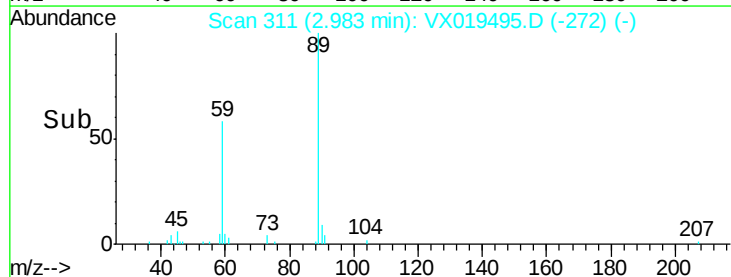
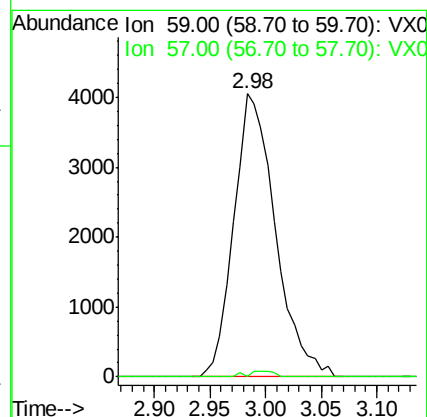
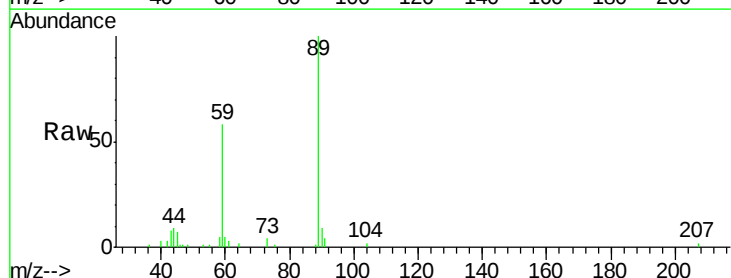
Acq: 20 Nov 2020 14:49

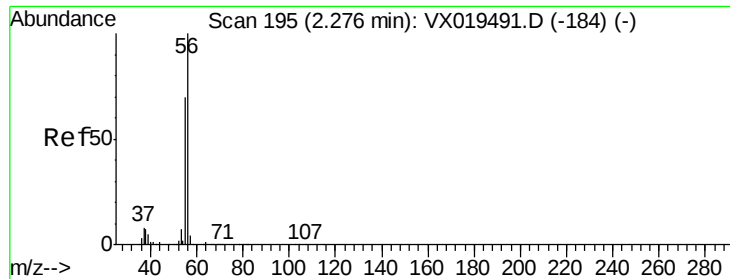
Tgt Ion: 59 Resp: 10484

Ion Ratio Lower Upper

59 100

57 1.3 7.9 11.9#





#13

Acrolein

Concen: 0.691 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

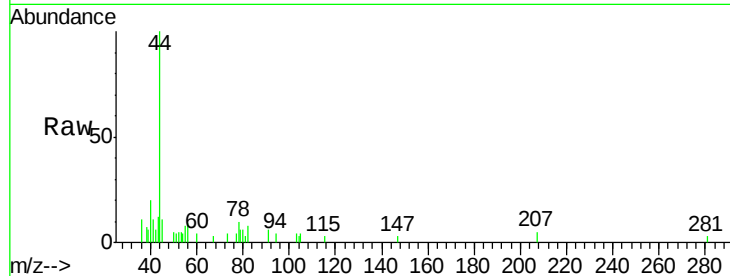
VX1121WBL01

Tot Ion: 56 Resp: 343

Ion Ratio Lower Upper

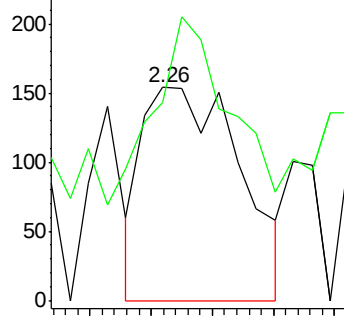
56 100

55 65.0 55.5 83.3

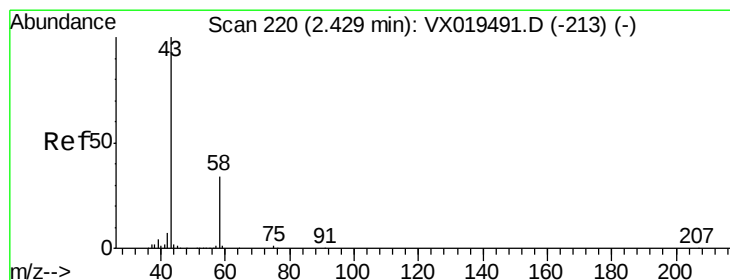
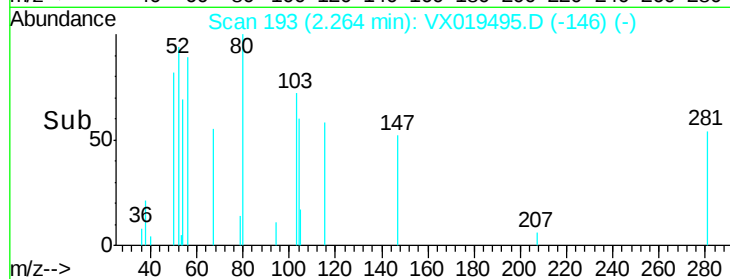


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.619 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019495.D

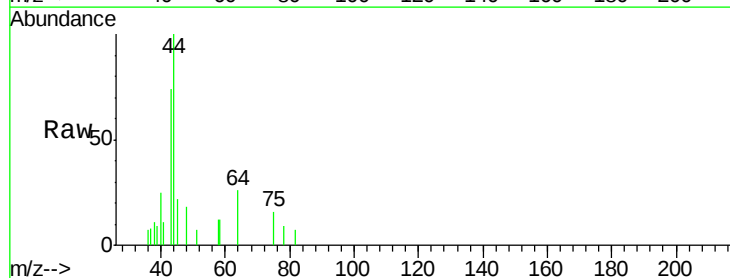
Acq: 20 Nov 2020 14:49

Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

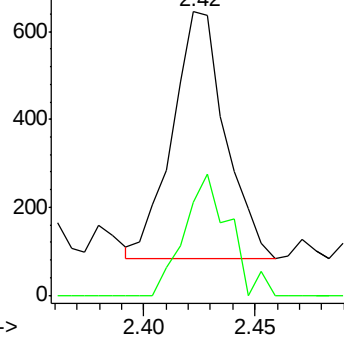
43 100

58 37.4 27.4 41.2

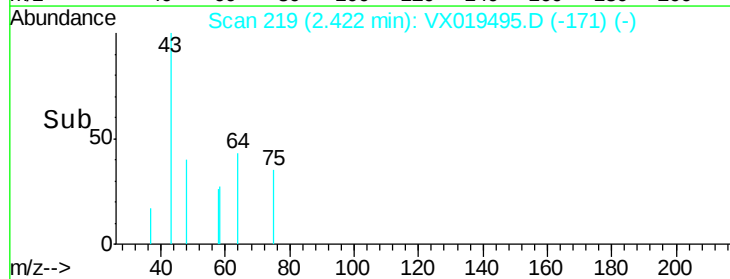


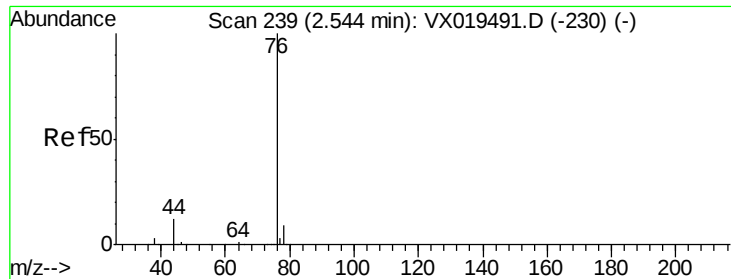
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

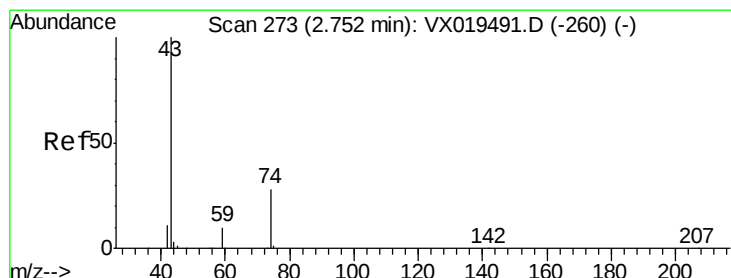
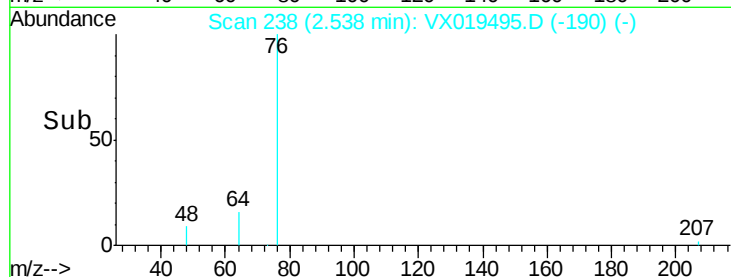
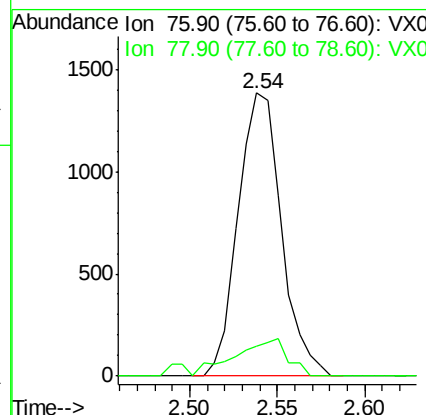
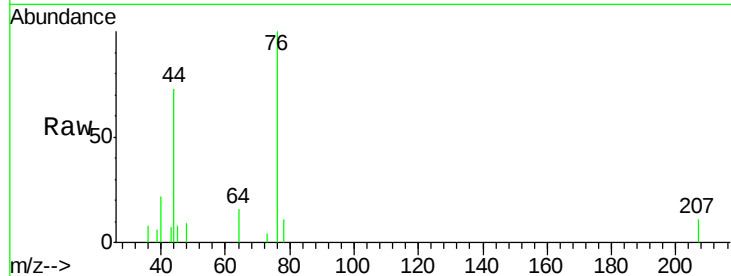




#17
Carbon Disulfide
Concen: 0.297 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019495.D
Acq: 20 Nov 2020 14:49

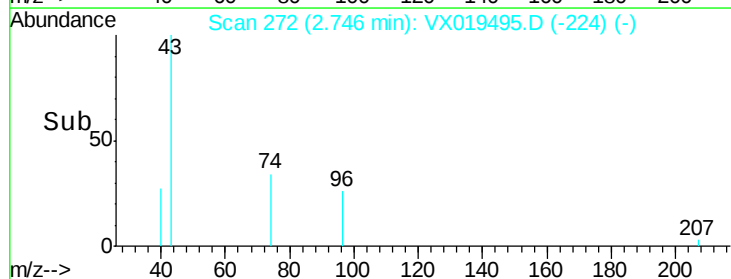
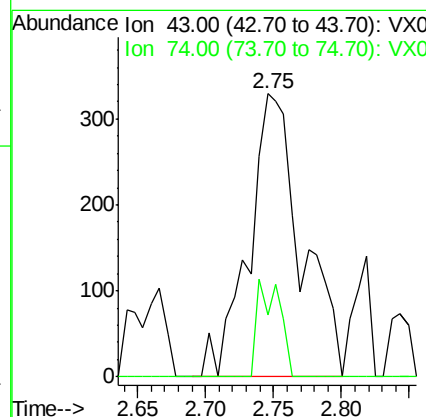
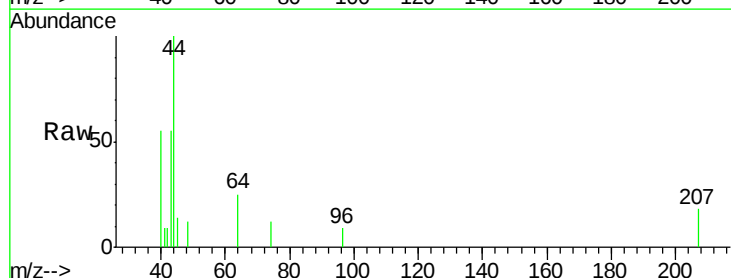
Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL01

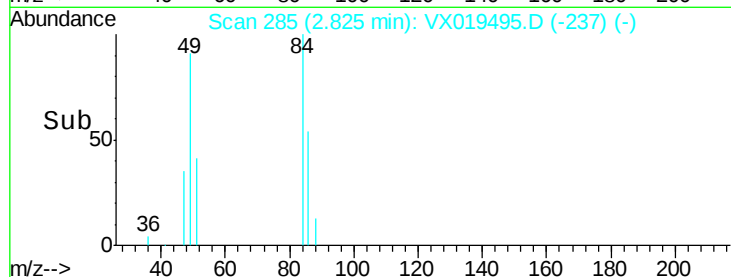
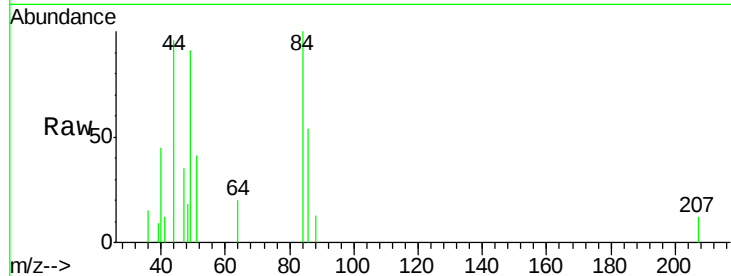
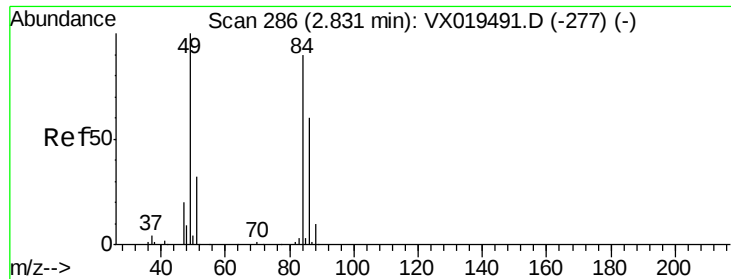
Tot Ion: 76 Resp: 2384
Ion Ratio Lower Upper
76 100
78 10.7 7.2 10.8



#18
Methyl Acetate
Concen: 0.873 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019495.D
Acq: 20 Nov 2020 14:49

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 14.8 22.2 33.4#

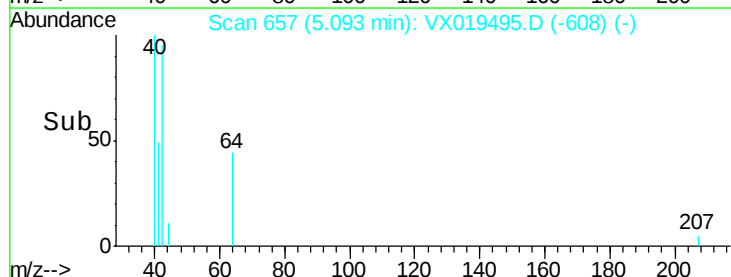
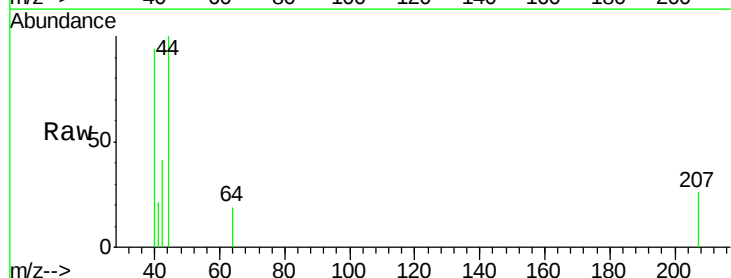
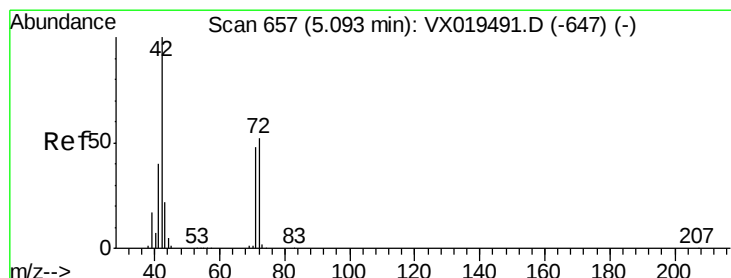
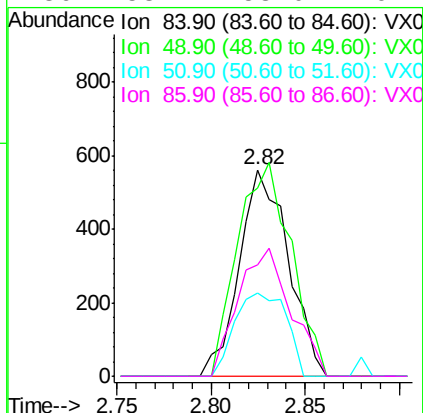




#20
Methvlene Chloride
Concen: 0.269 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019495.D
Acq: 20 Nov 2020 14:49

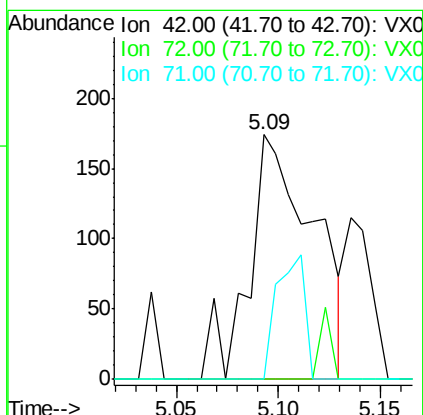
Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL01

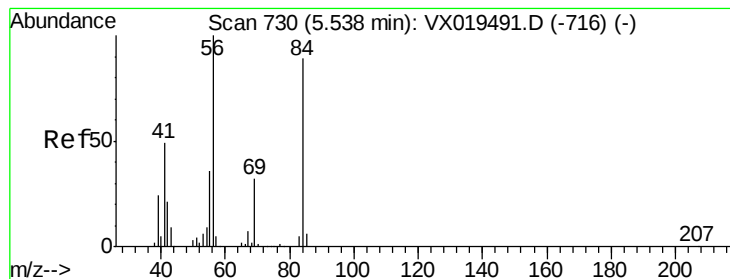
Tot Ion: 84	Resp: 1014
Ion Ratio	Lower Upper
84 100	
49 91.1	88.5 132.7
51 40.6	28.0 42.0
86 53.7	53.0 79.4



#29
Tetrahydrofuran
Concen: 0.266 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX019495.D
Acq: 20 Nov 2020 14:49

Tgt Ion: 42	Resp: 384
Ion Ratio	Lower Upper
42 100	
72 0.0	42.6 63.8#
71 0.0	39.0 58.6#





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampled :

VX1121WBL01

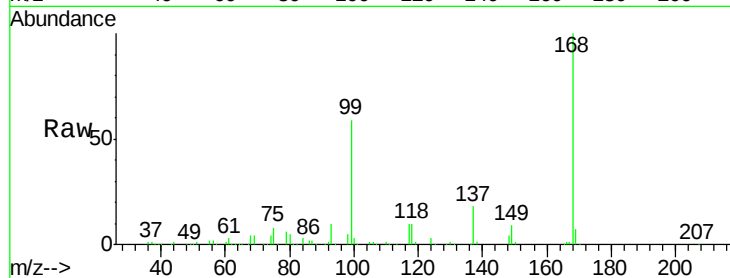
Tot Ion: 56 Resp: 5965

Ion Ratio Lower Upper

56 100

69 197.1 25.5 38.3#

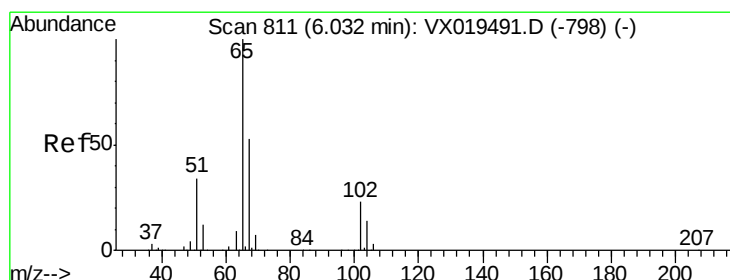
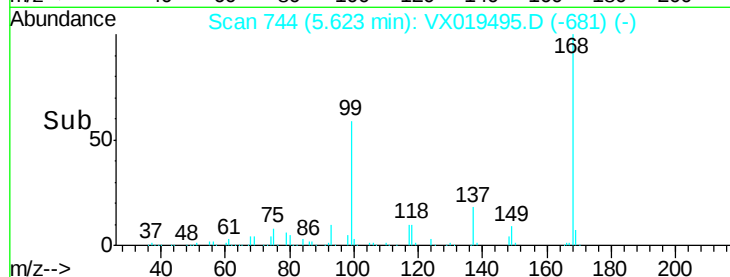
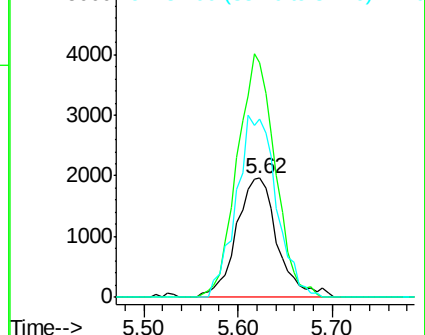
84 149.3 71.1 106.7#



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: 46.782 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019495.D

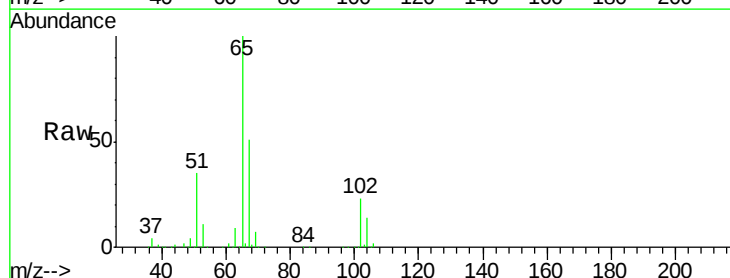
Acq: 20 Nov 2020 14:49

Tgt Ion: 65 Resp: 182482

Ion Ratio Lower Upper

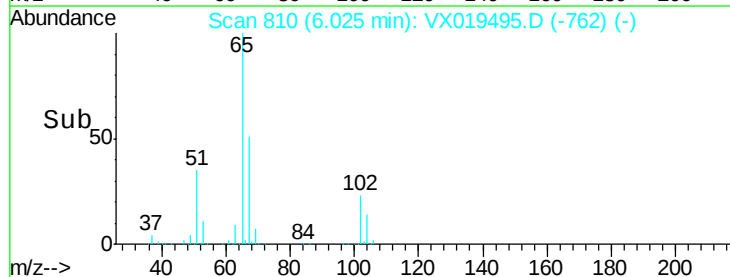
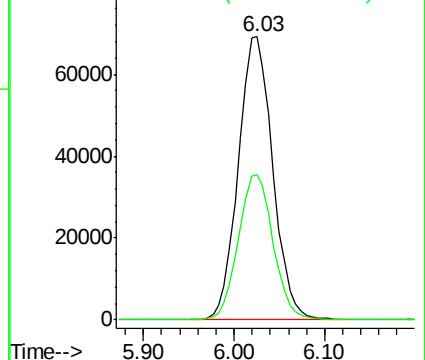
65 100

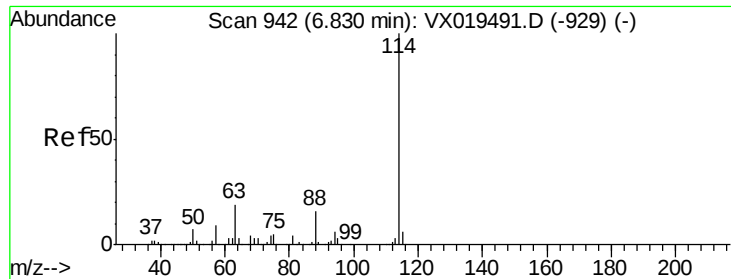
67 51.9 0.0 105.0



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: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBL01

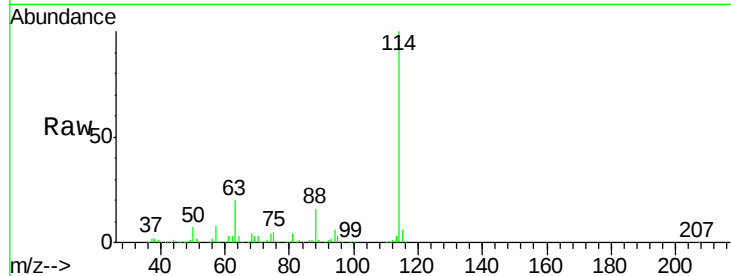
Tot Ion:114 Resp: 484077

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

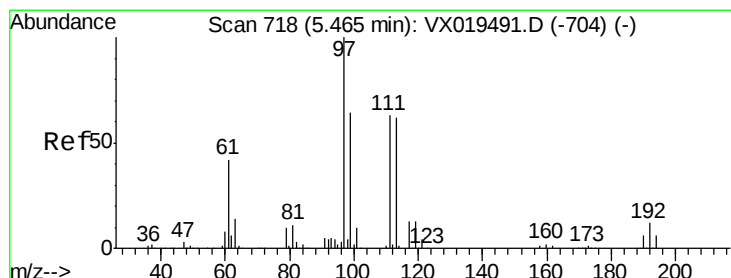
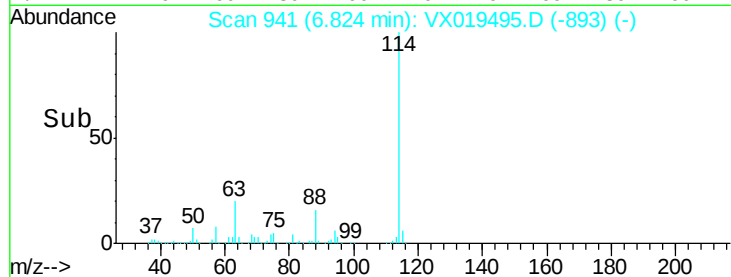
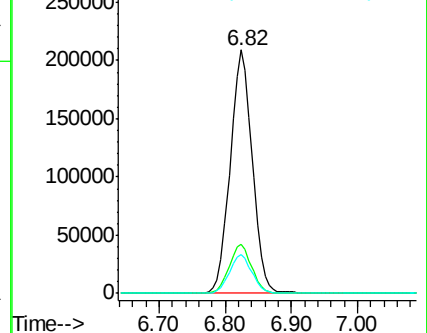
88 15.8 0.0 31.6



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: 47.384 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

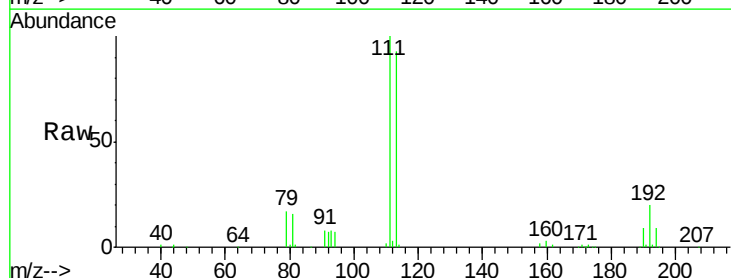
Tgt Ion:113 Resp: 143978

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

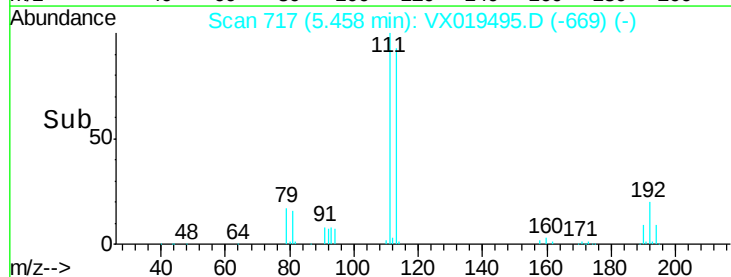
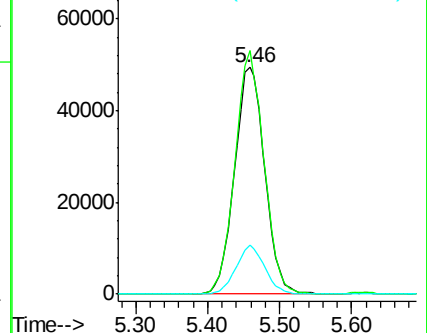
192 20.4 16.2 24.2

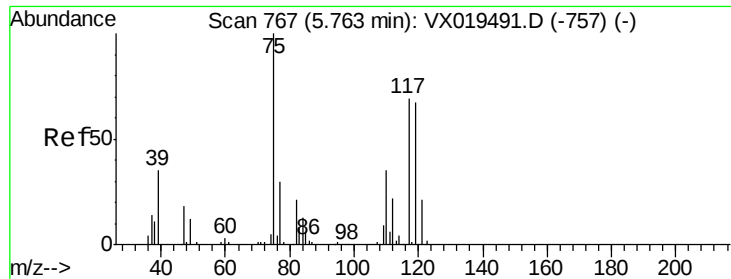


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.15 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBL01

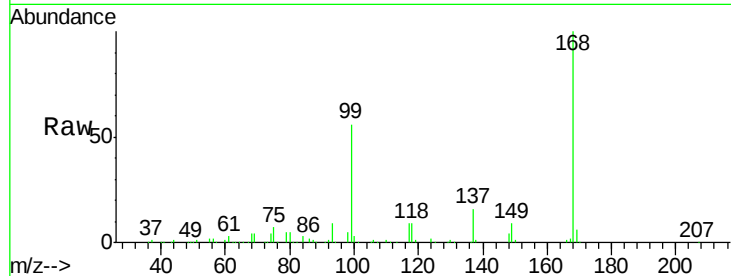
Tot Ion: 75 Resp: 22872

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

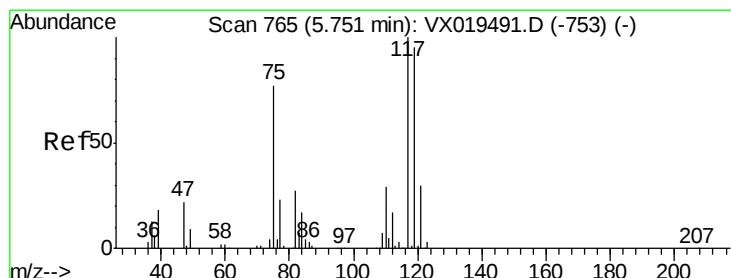
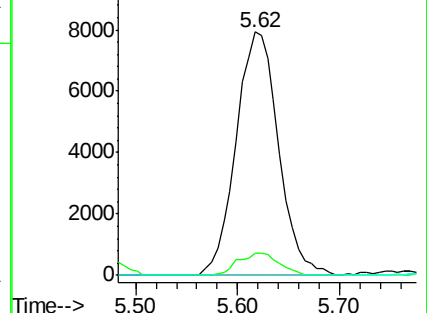
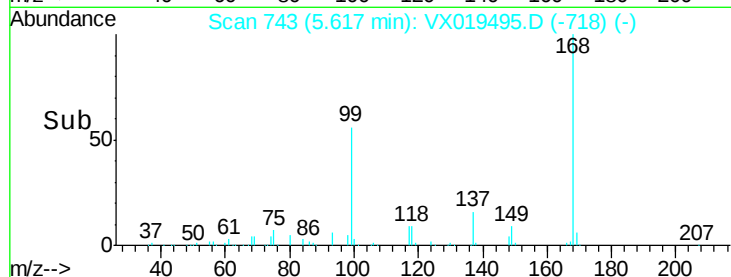
77 0.0 24.2 36.4#



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: 6.693 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

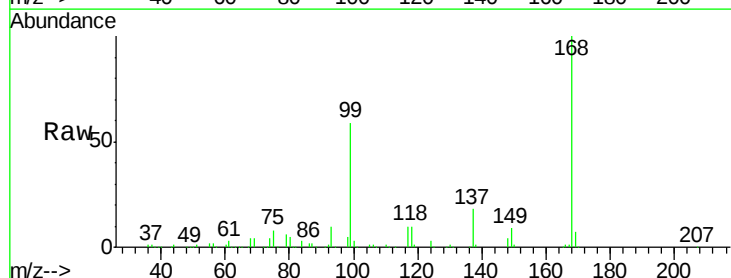
Tgt Ion: 117 Resp: 29399

Ion Ratio Lower Upper

117 100

119 5.7 75.9 113.9#

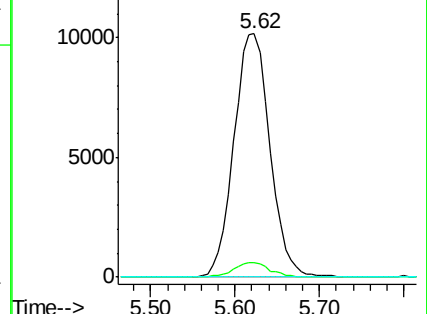
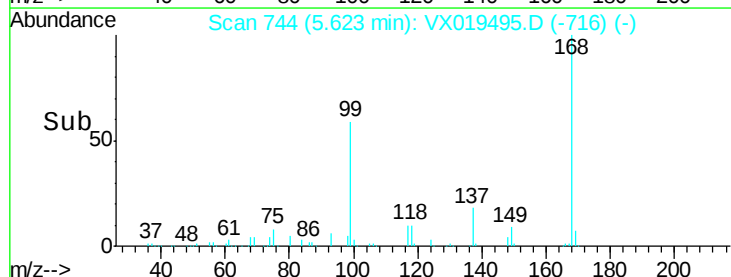
121 0.0 24.0 36.0#

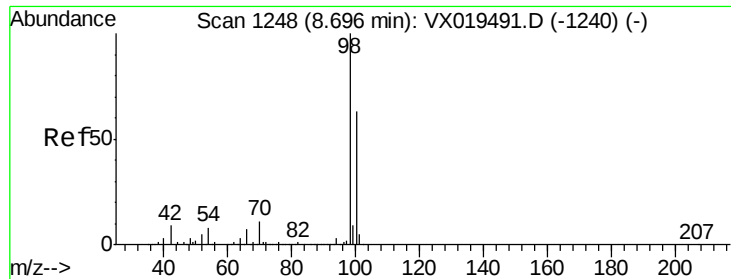


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.144 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

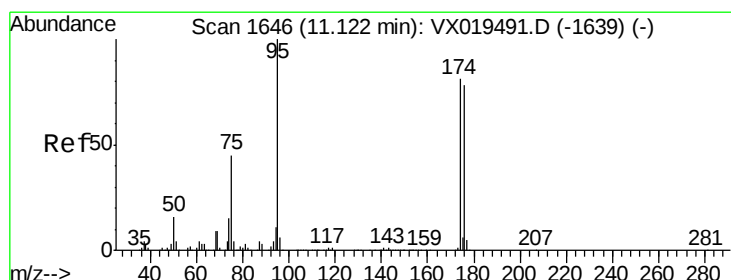
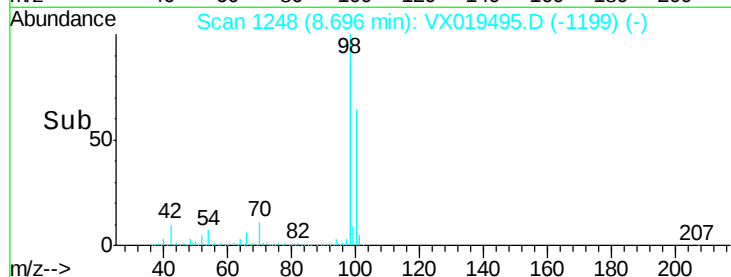
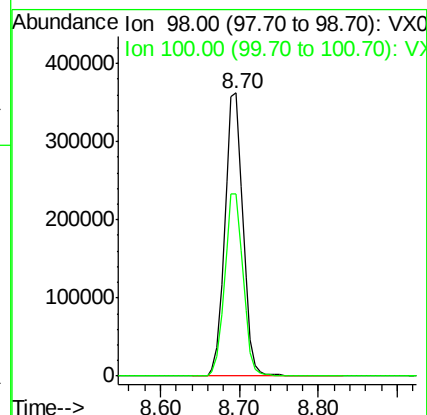
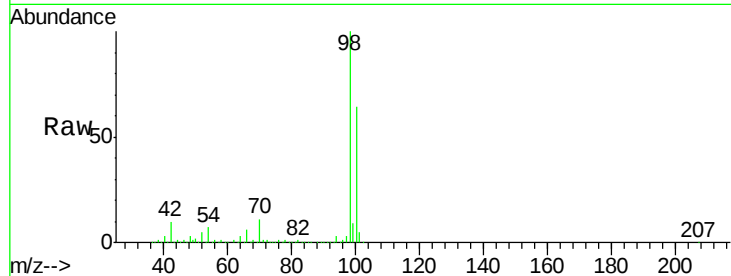
VX1121WBL01

Tot Ion: 98 Resp: 580272

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.996 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

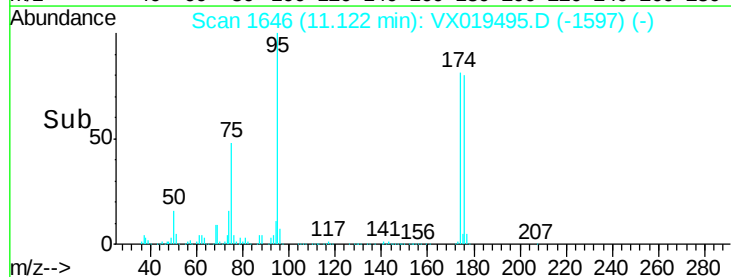
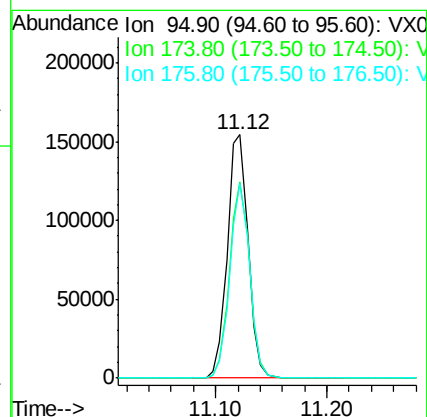
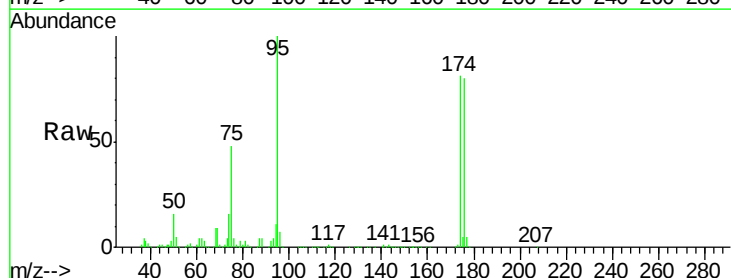
Tgt Ion: 95 Resp: 199648

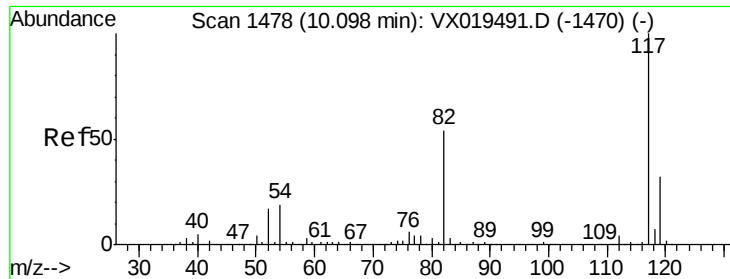
Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.2

176 76.5 0.0 151.4

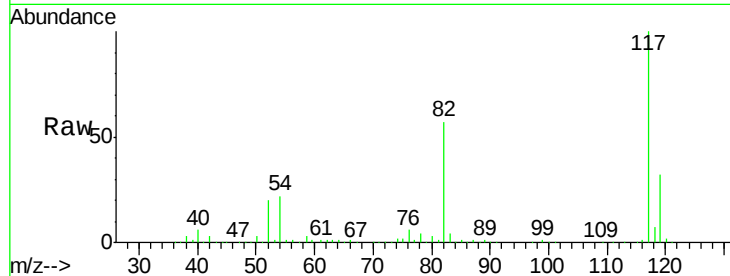




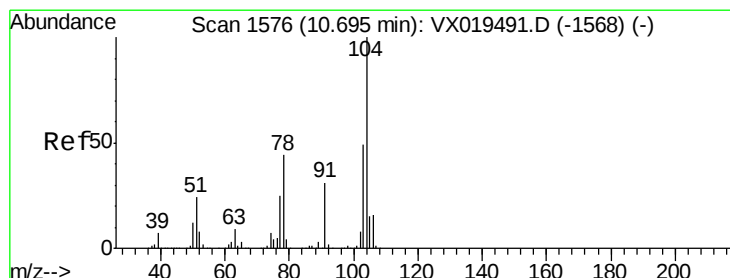
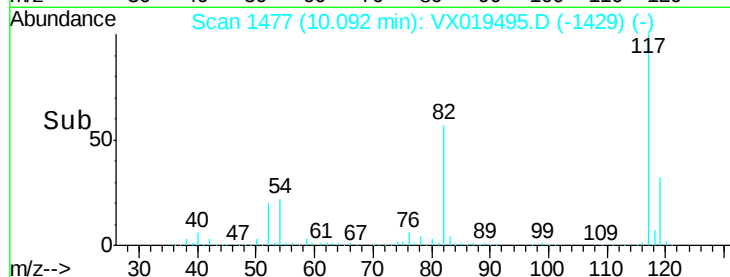
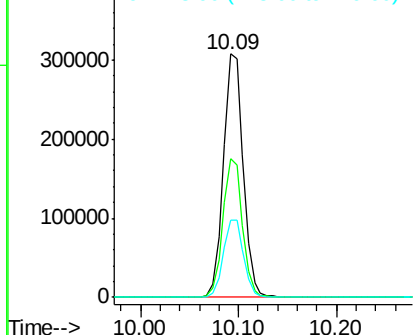
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019495.D
Acq: 20 Nov 2020 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL01

Tot Ion:117 Resp: 432050
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 31.5 25.6 38.4

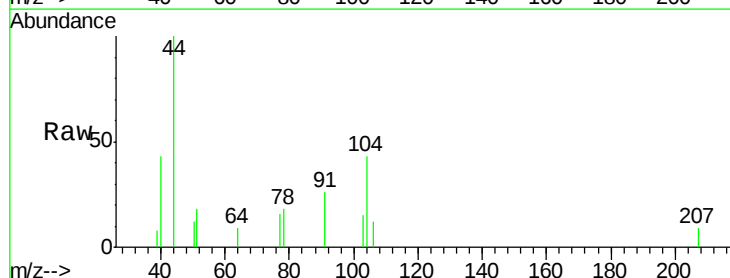


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

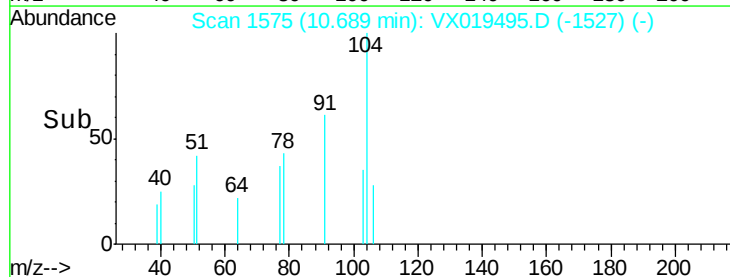
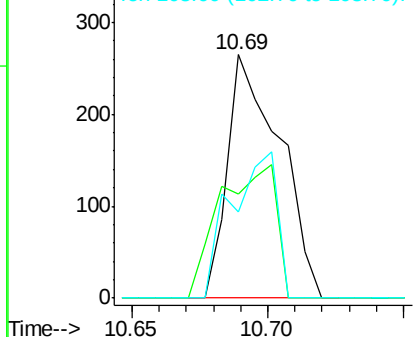


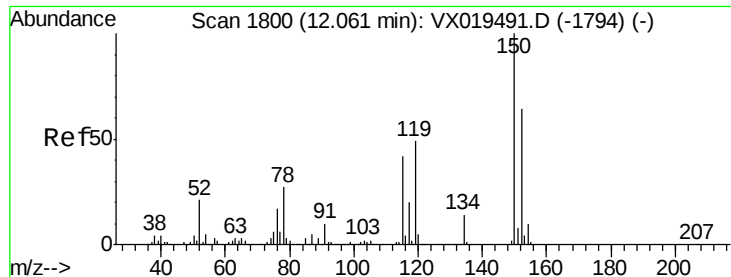
#70
Styrene
Concen: 1.679 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019495.D
Acq: 20 Nov 2020 14:49

Tgt Ion:104 Resp: 353
Ion Ratio Lower Upper
104 100
78 58.9 39.5 59.3
103 52.7 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBL01

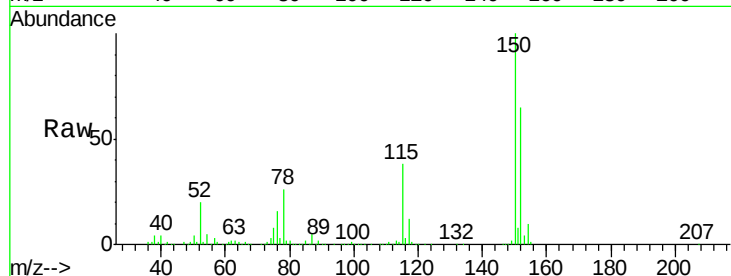
Tot Ion:152 Resp: 192044

Ion Ratio Lower Upper

152 100

115 58.8 41.8 125.4

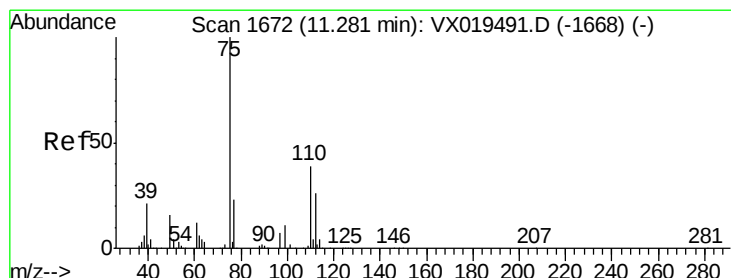
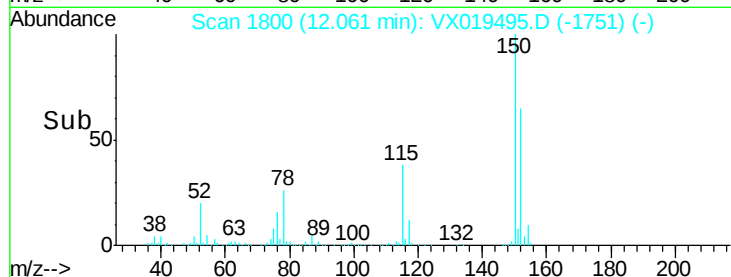
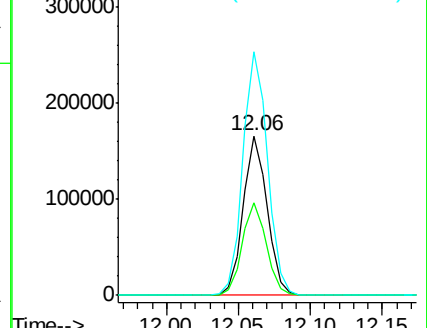
150 156.7 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.180 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019495.D

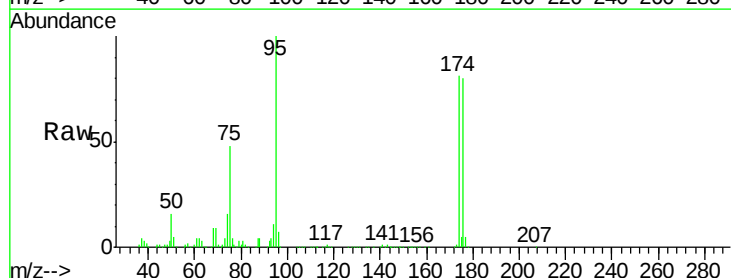
Acq: 20 Nov 2020 14:49

Tgt Ion: 75 Resp: 97150

Ion Ratio Lower Upper

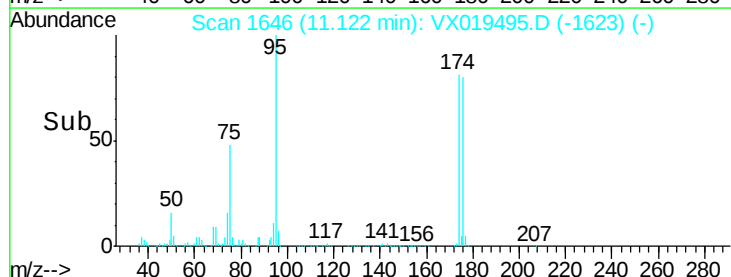
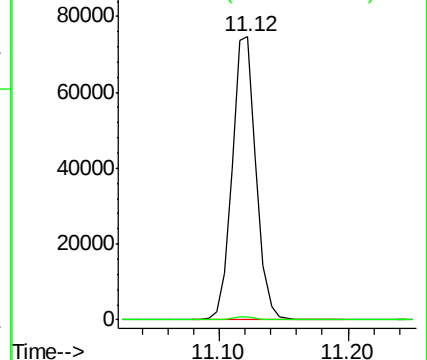
75 100

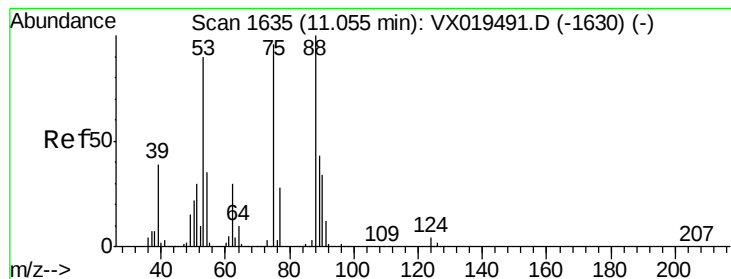
77 1.3 20.0 60.0#



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: 61.541 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

Instrument :

MSVOA_X

ClientSampled :

VX1121WBL01

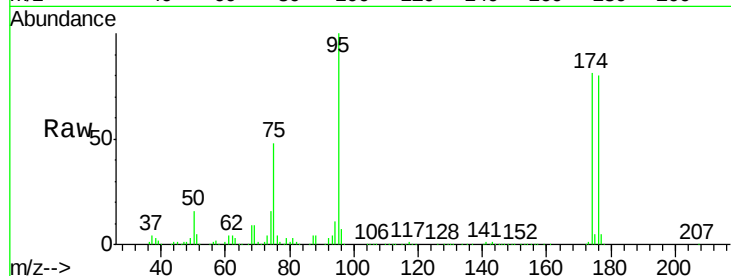
Tot Ion: 75 Resp: 97150

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

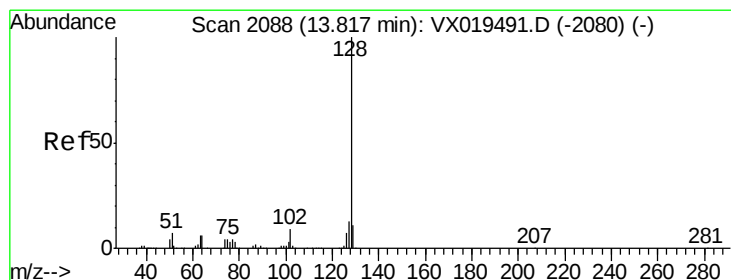
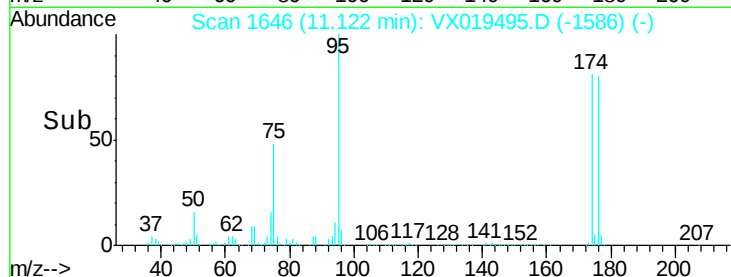
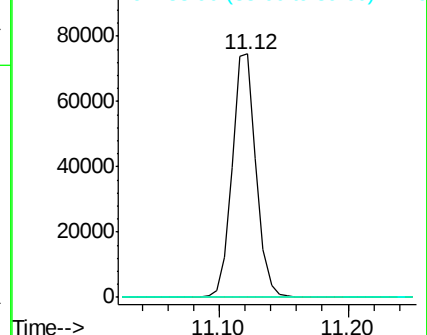
89 0.0 37.3 55.9#



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



#95

Naphthalene

Concen: 2.231 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019495.D

Acq: 20 Nov 2020 14:49

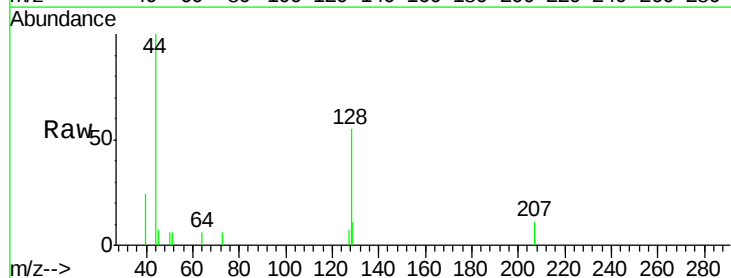
Tgt Ion: 128 Resp: 786

Ion Ratio Lower Upper

128 100

127 7.3 10.3 15.5#

129 16.9 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

