

Data File : VX019638.D
Acq On : 25 Nov 2020 04:42
Operator : JC/MD
Sample : L4835-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20201119

Quant Time: Nov 25 06:58:59 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	5.63	168	301070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	501865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	181397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	187054	47.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.84%		
35) Dibromofluoromethane	5.46	113	147299	46.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.52%		
50) Toluene-d8	8.70	98	601011	49.10	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.20%		
62) 4-Bromofluorobenzene	11.12	95	203488	46.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.40%		

Target Compounds

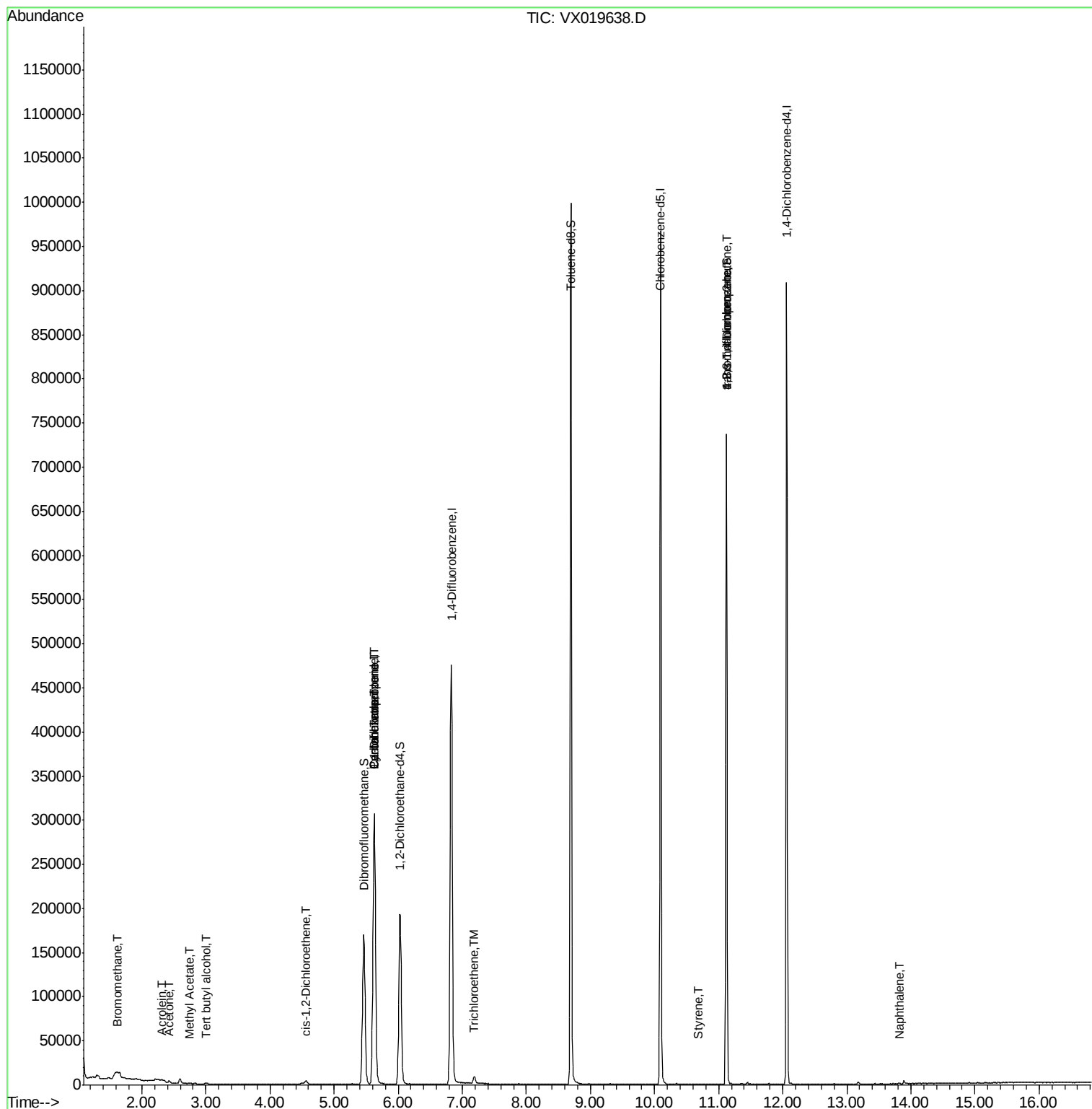
					Qvalue	
5) Bromomethane	1.62	94	323	0.236	ug/l #	65
6) Chloroethane	1.70	64	242	Below Cal	#	49
11) Tert butyl alcohol	3.00	59	1097	1.485	ug/l #	73
13) Acrolein	2.30	56	211	0.425	ug/l #	15
16) Acetone	2.42	43	2555	1.692	ug/l	98
18) Methyl Acetate	2.75	43	352	0.728	ug/l #	61
27) cis-1,2-Dichloroethene	4.56	96	2199	0.565	ug/l	62
31) Cyclohexane	5.62	56	5805	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22826	4.851	ug/l #	50
38) Carbon Tetrachloride	5.63	117	29973	6.582	ug/l #	16
44) Trichloroethene	7.18	130	2703	0.714	ug/l	96
70) Styrene	10.68	104	37	1.649	ug/l #	27
76) 1,2,3-Trichloropropane	11.12	75	100289	25.334	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100289	66.865	ug/l #	12
95) Naphthalene	13.82	128	396	2.206	ug/l #	69

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

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Quant Title : SW846 8260
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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: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

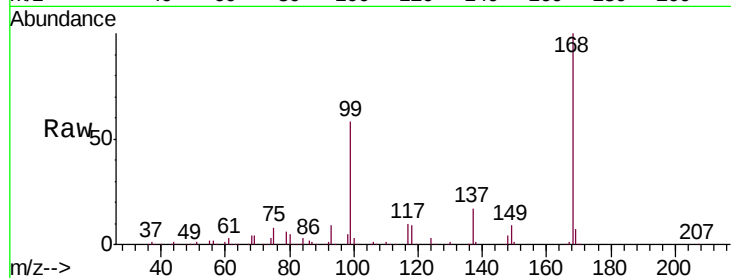
MH-121.5N-20201119

Tgt Ion:168 Resp: 301070

Ion Ratio Lower Upper

168 100

99 58.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

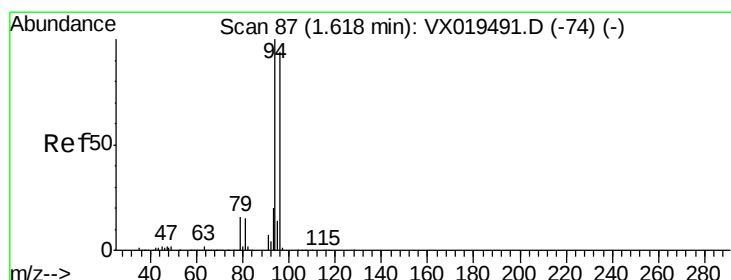
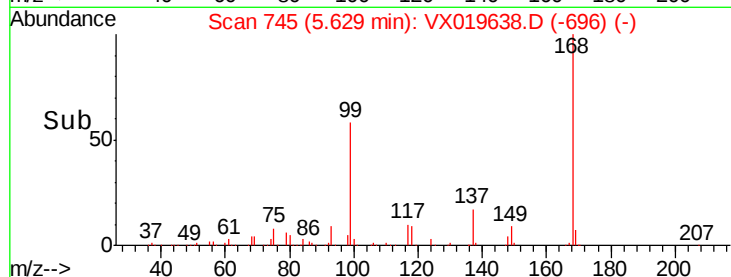
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019638.D

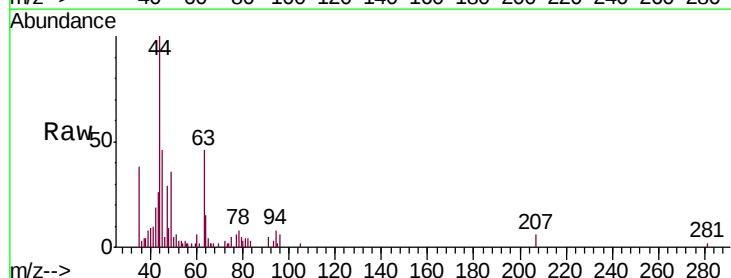
Acq: 25 Nov 2020 04:42

Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

94 100

96 60.1 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

250

200

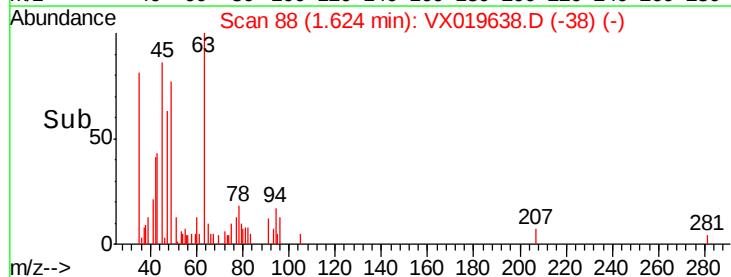
150

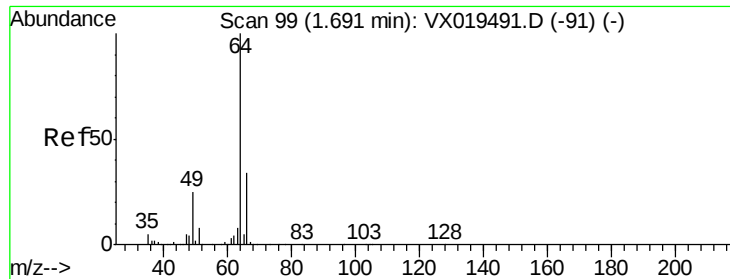
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

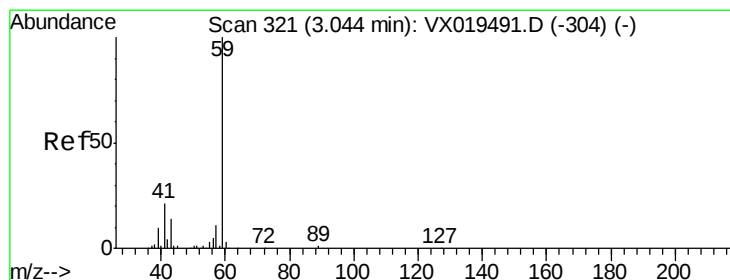
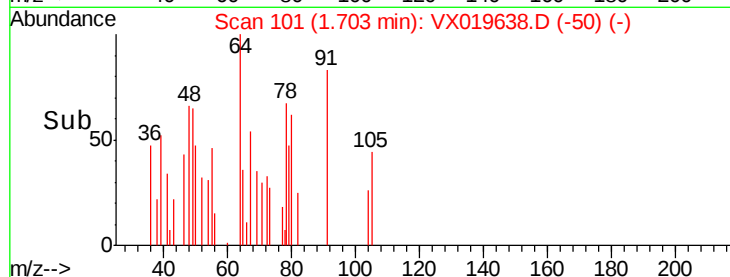
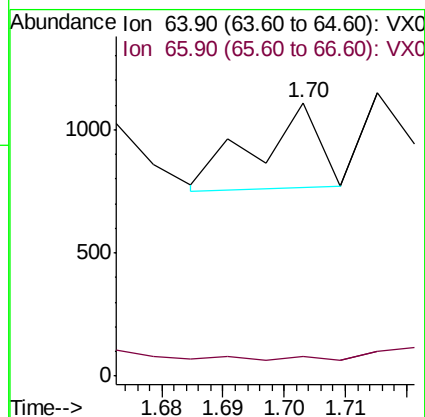
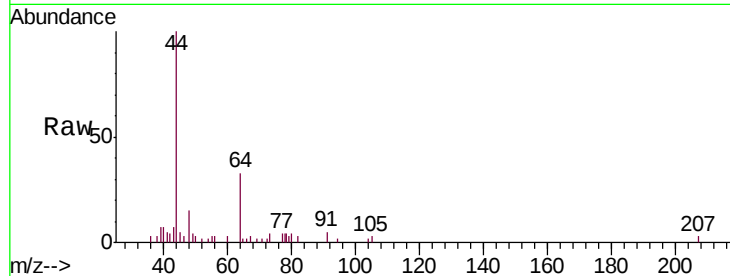
MH-121.5N-20201119

Tgt Ion: 64 Resp: 242

Ion Ratio Lower Upper

64 100

66 4.7 27.1 40.7#



#11

Tert butyl alcohol

Concen: 1.485 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019638.D

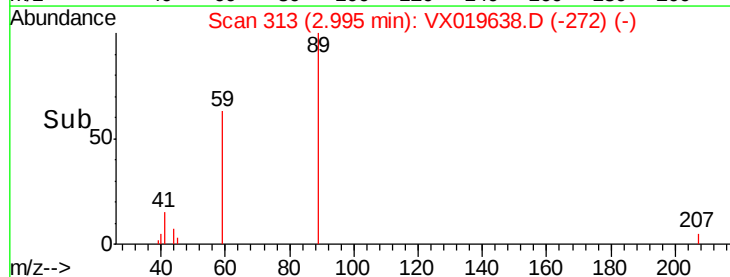
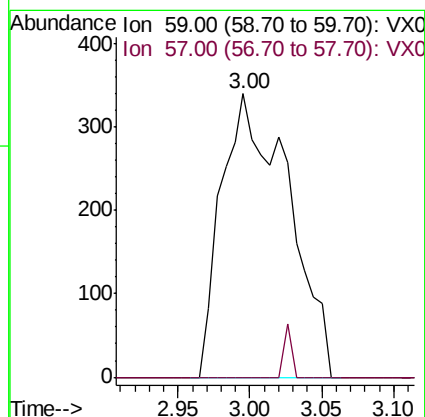
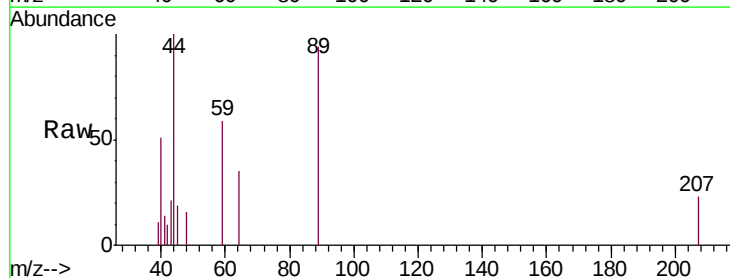
Acq: 25 Nov 2020 04:42

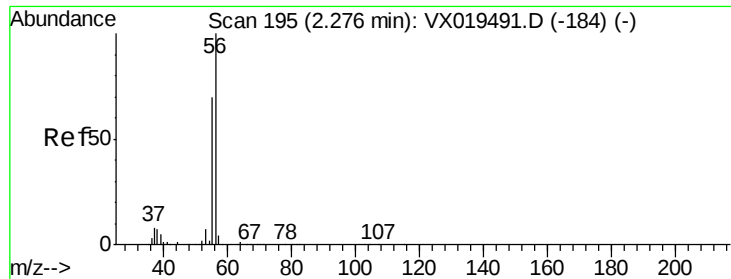
Tgt Ion: 59 Resp: 1097

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#

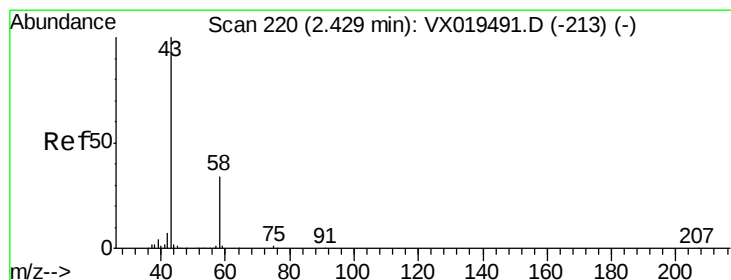
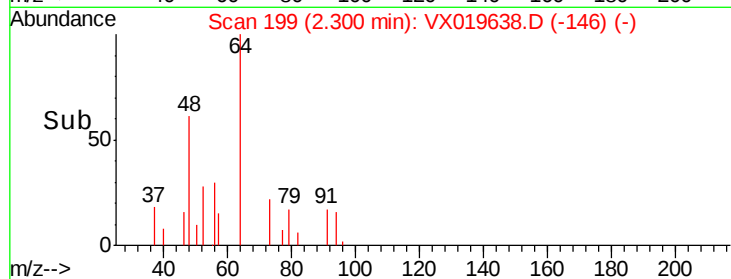
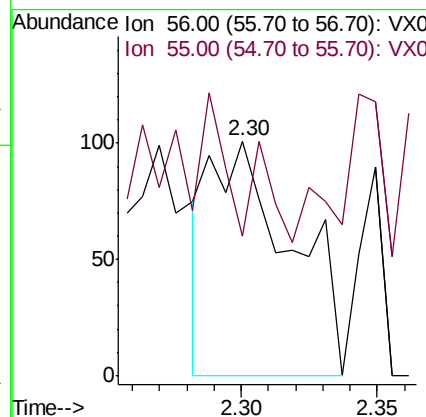
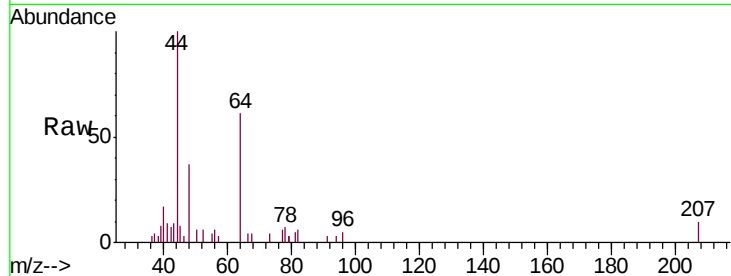




#13
Acrolein
Concen: 0.425 ug/l
RT: 2.30 min Scan# 199
Delta R.T. 0.02 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

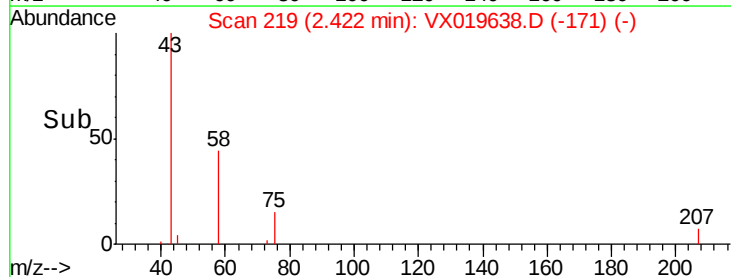
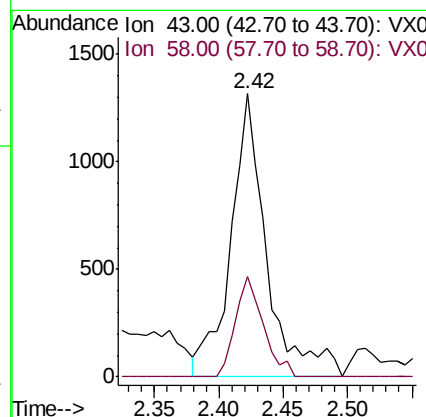
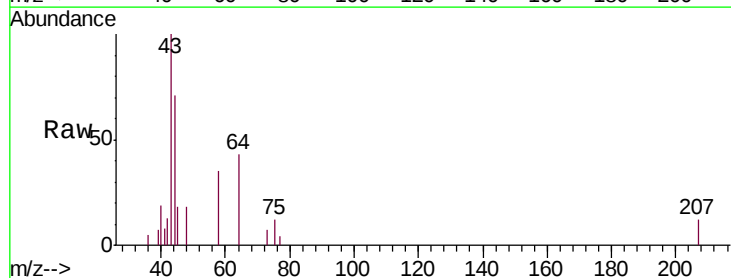
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20201119

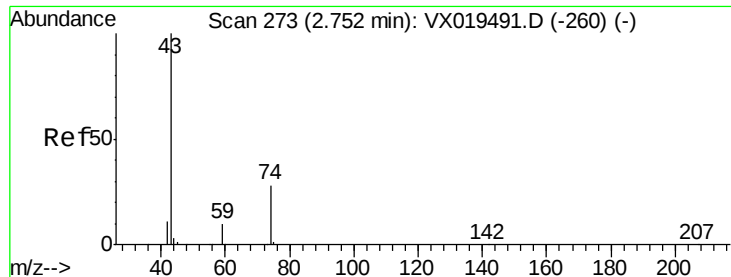
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#16
Acetone
Concen: 1.692 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

Tgt Ion: 43 Resp: 2555
Ion Ratio Lower Upper
43 100
58 35.3 27.4 41.2

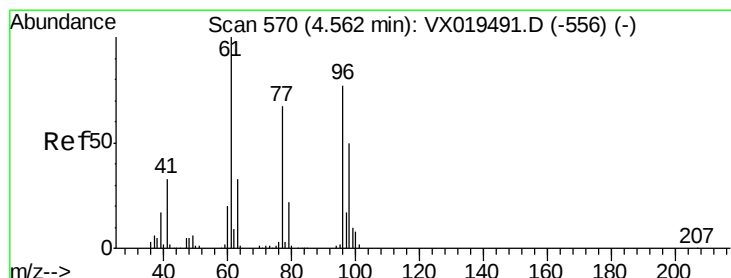
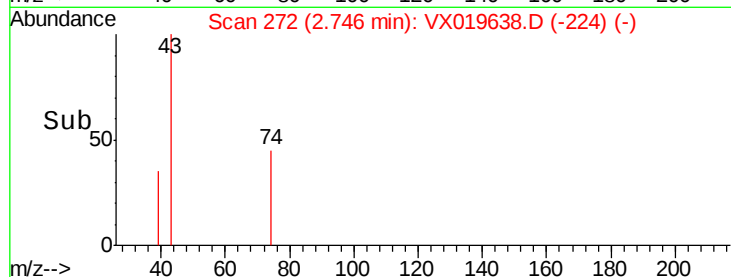
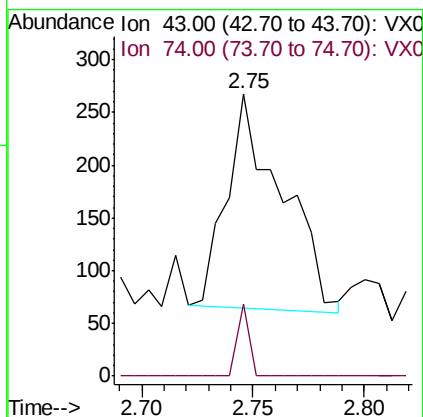
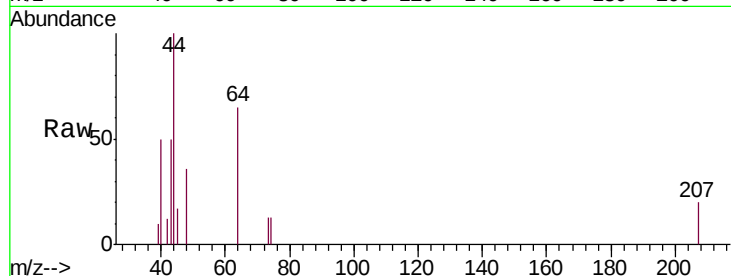




#18
Methyl Acetate
Concen: 0.728 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

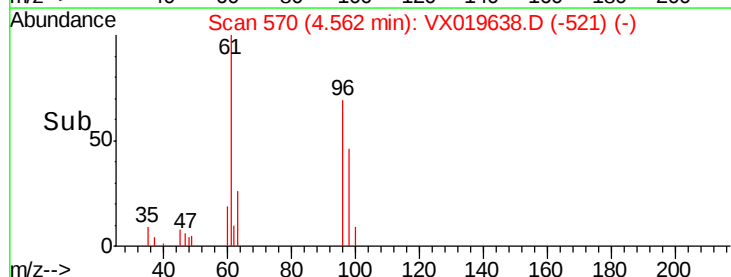
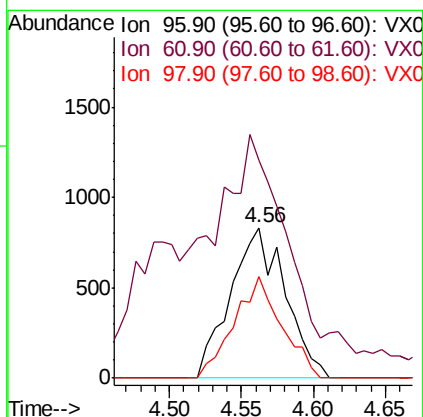
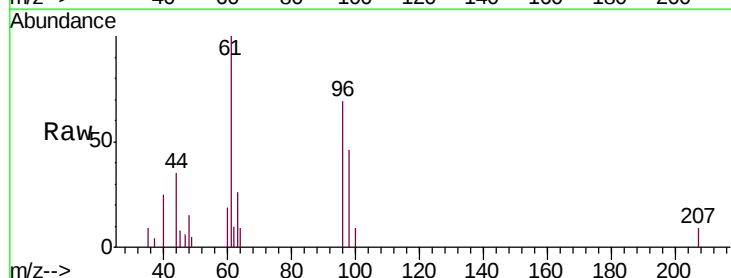
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20201119

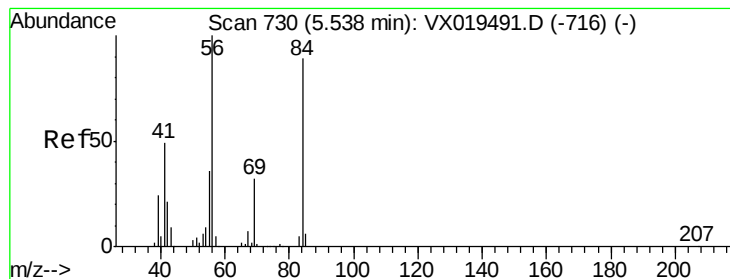
Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
74 7.1 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 0.565 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

Tgt Ion: 96 Resp: 2199
Ion Ratio Lower Upper
96 100
61 201.9 0.0 279.2
98 58.6 0.0 129.8





#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20201119

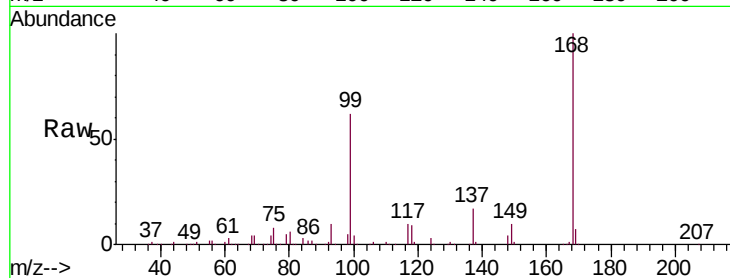
Tgt Ion: 56 Resp: 5805

Ion Ratio Lower Upper

56 100

69 186.5 25.5 38.3#

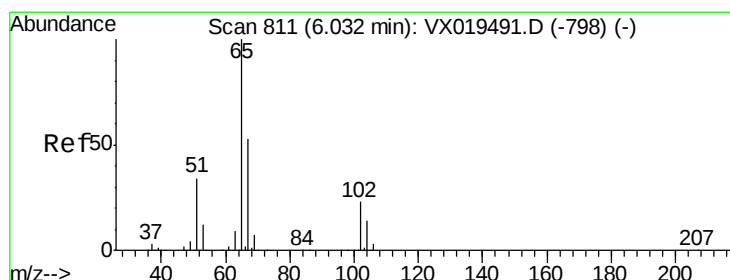
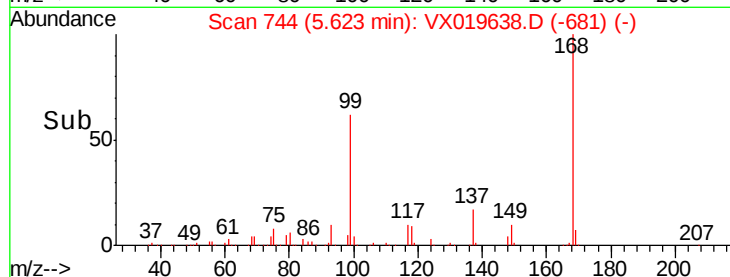
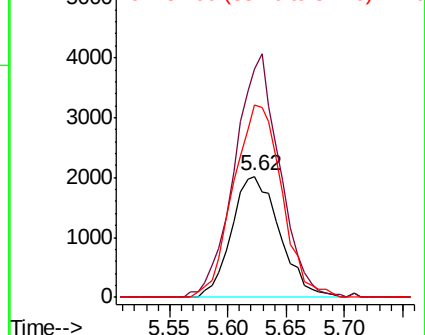
84 159.1 71.1 106.7#



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: 47.918 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019638.D

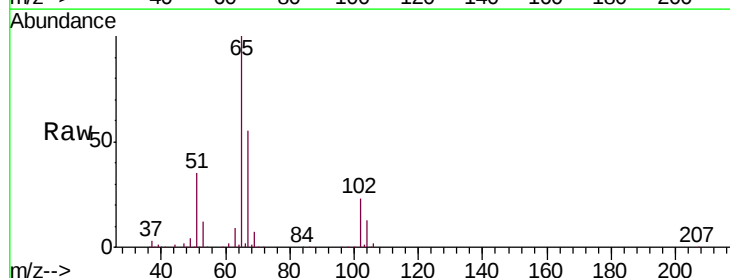
Acq: 25 Nov 2020 04:42

Tgt Ion: 65 Resp: 187054

Ion Ratio Lower Upper

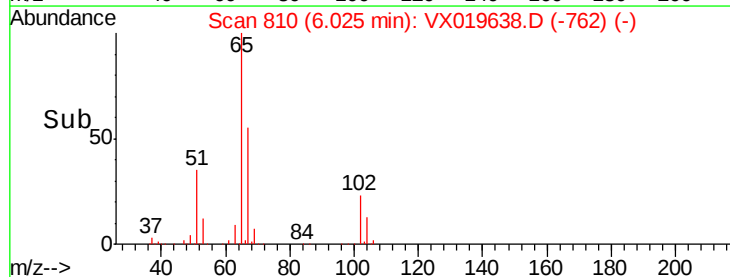
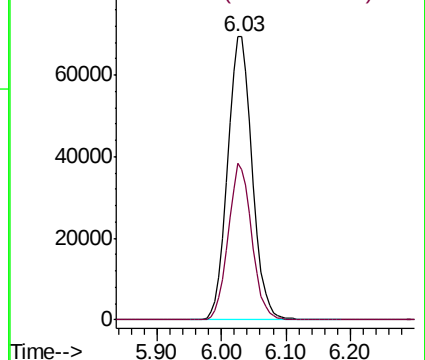
65 100

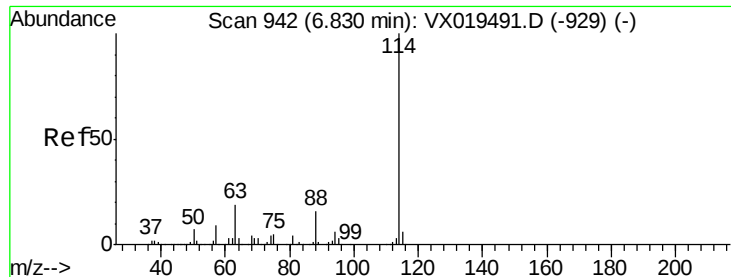
67 52.8 0.0 105.0



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20201119

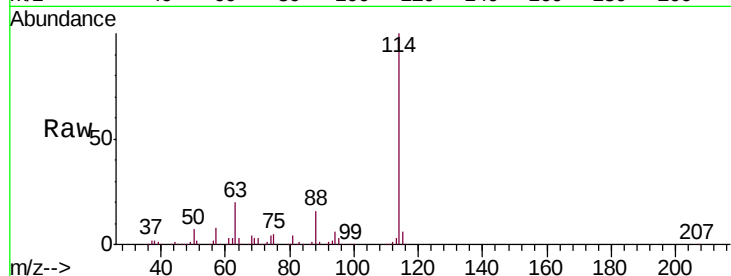
Tgt Ion:114 Resp: 501865

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

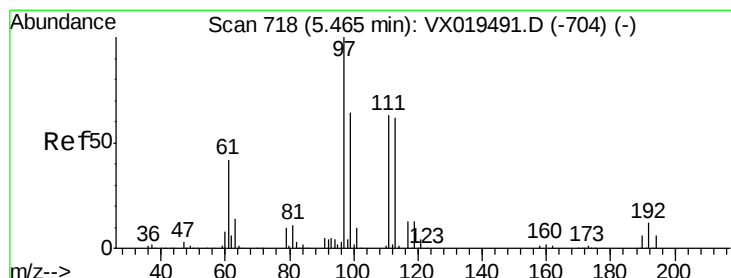
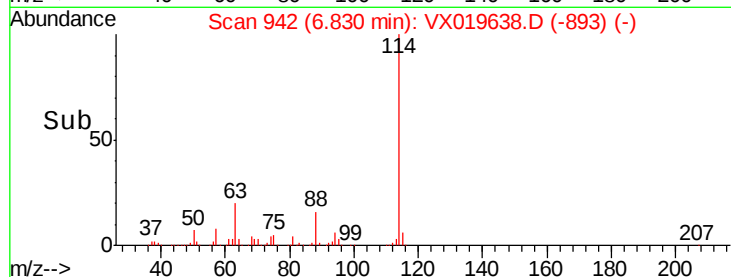
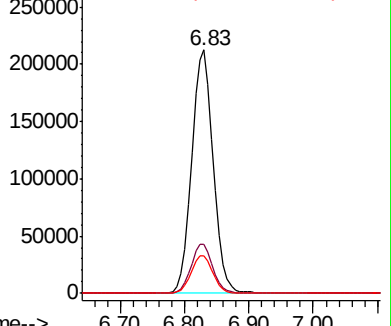
88 15.6 0.0 31.6



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: 46.759 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

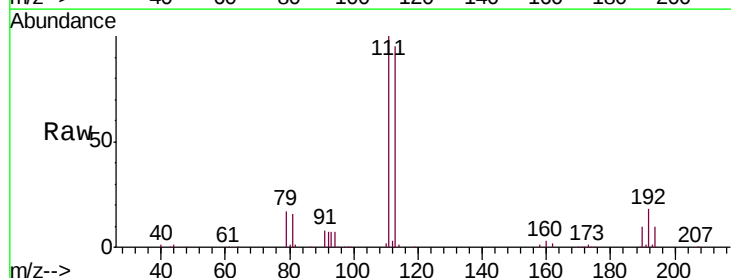
Tgt Ion:113 Resp: 147299

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

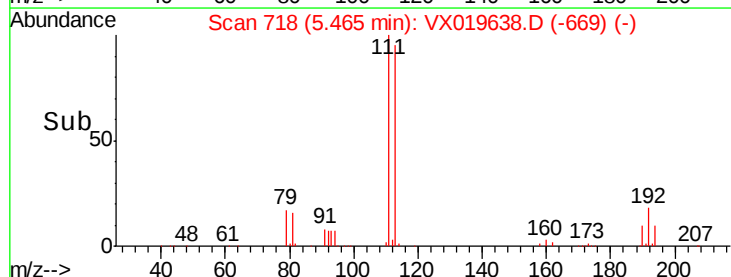
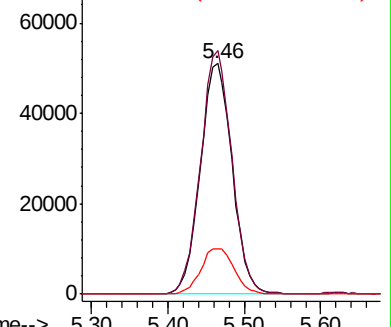
192 20.6 16.2 24.2

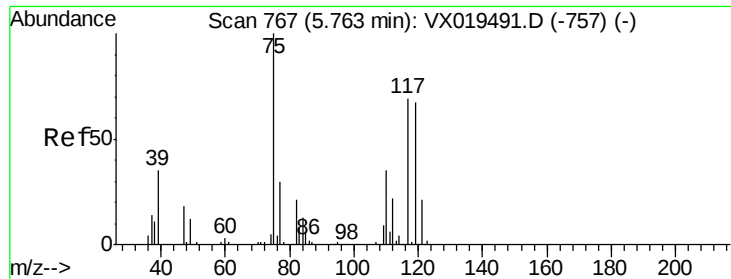


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

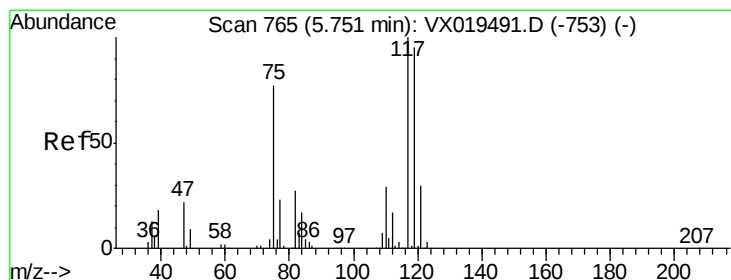
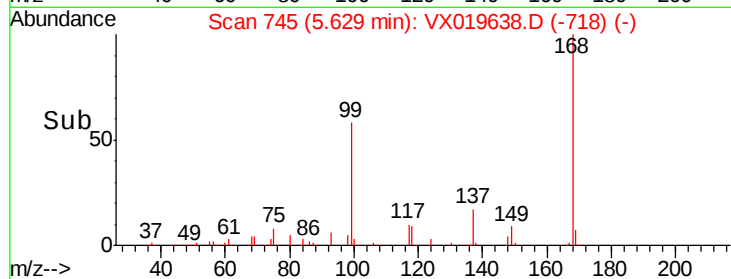
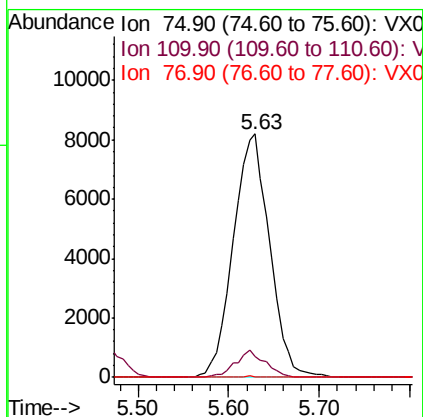
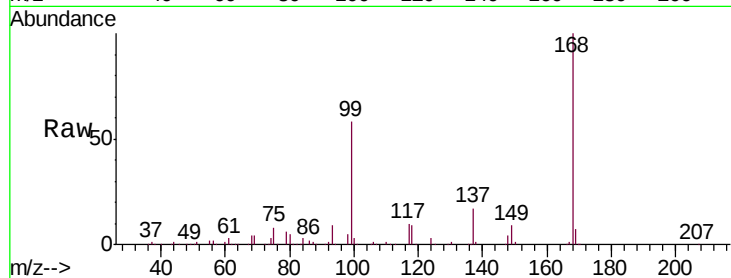




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019638.D
 Acq: 25 Nov 2020 04:42

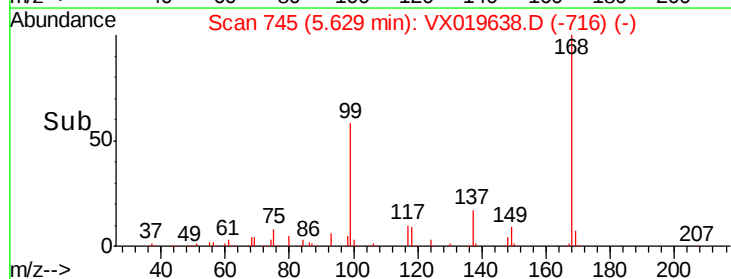
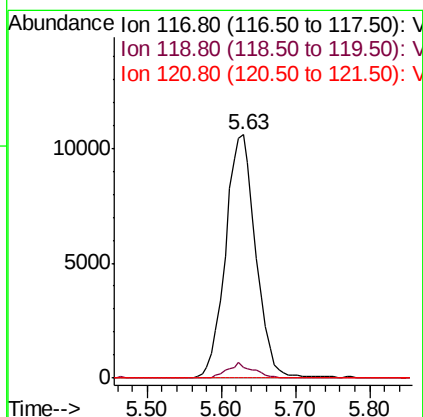
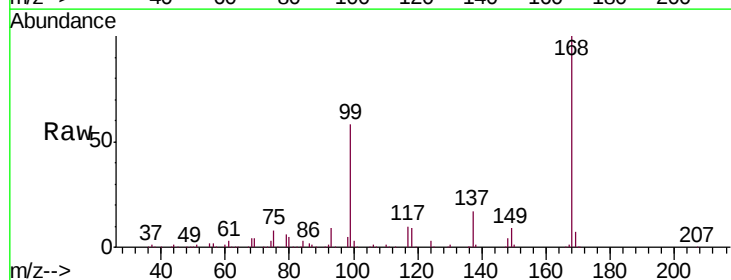
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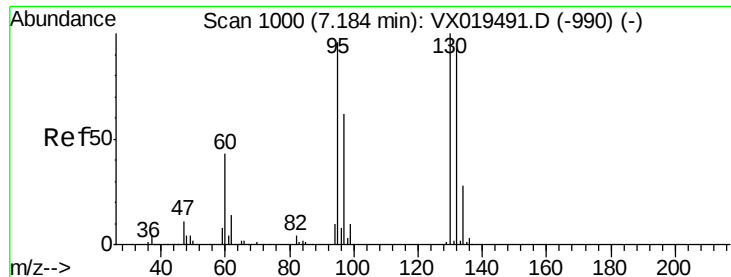
Tgt Ion: 75 Resp: 22826
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.3#
 77 0.1 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.582 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019638.D
 Acq: 25 Nov 2020 04:42

Tgt Ion: 117 Resp: 29973
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.9 113.9#
 121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 0.714 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

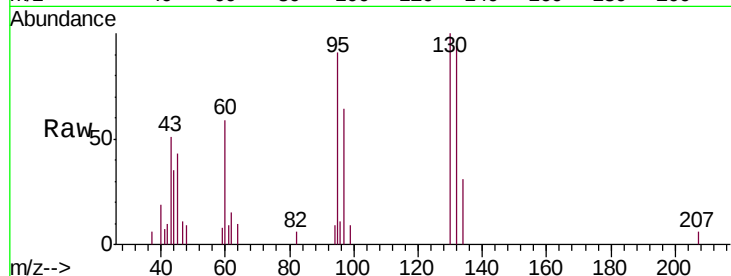
MH-121.5N-20201119

Tgt Ion:130 Resp: 2703

Ion Ratio Lower Upper

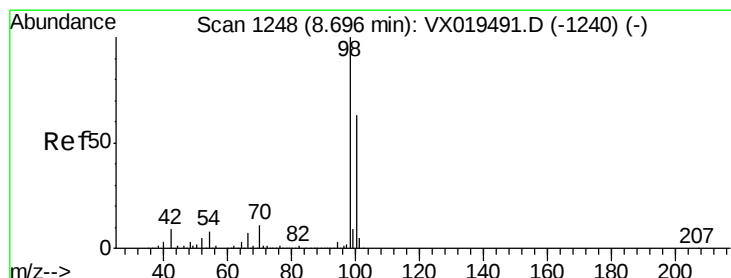
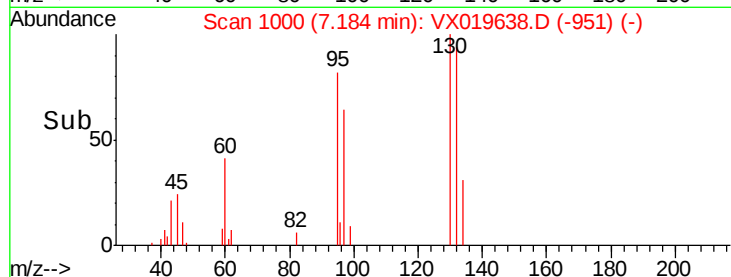
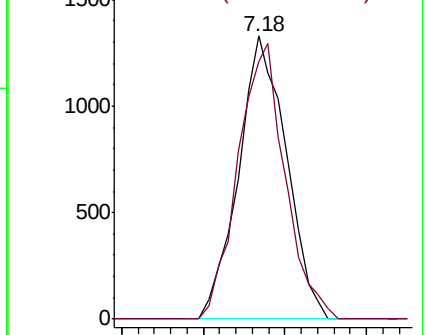
130 100

95 91.3 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.097 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019638.D

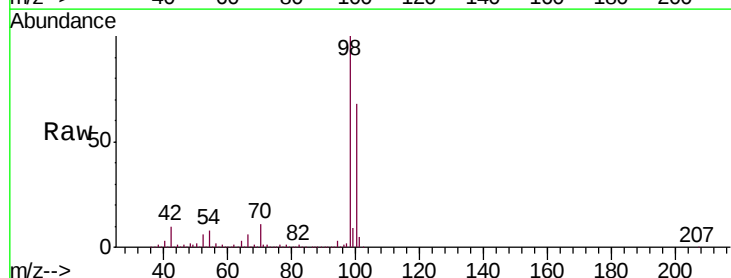
Acq: 25 Nov 2020 04:42

Tgt Ion: 98 Resp: 601011

Ion Ratio Lower Upper

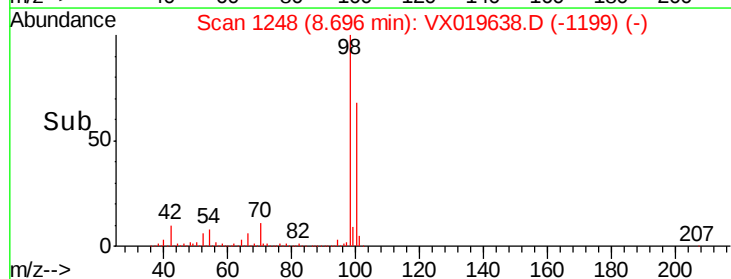
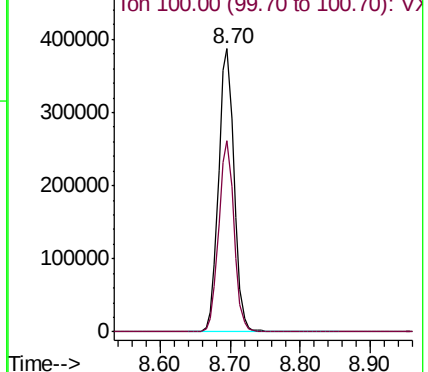
98 100

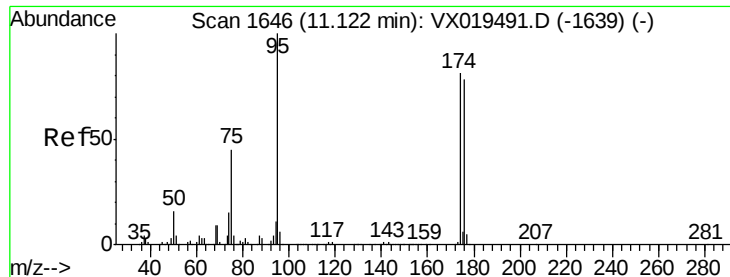
100 66.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

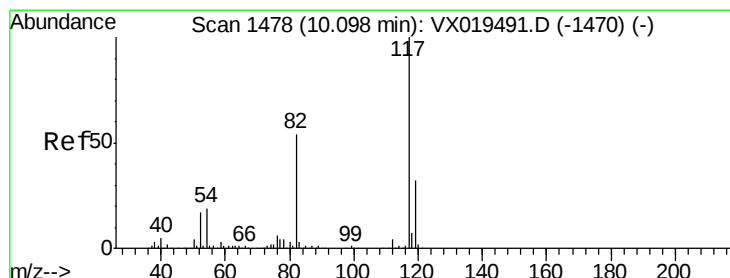
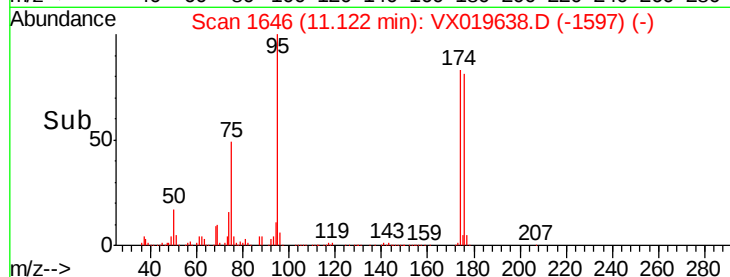
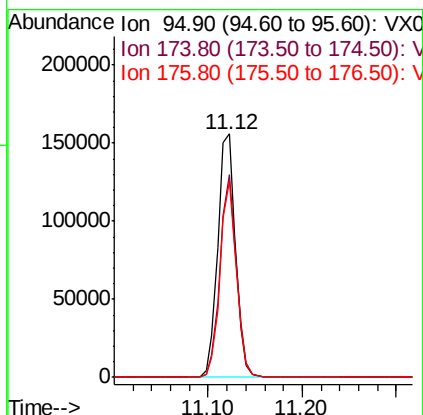
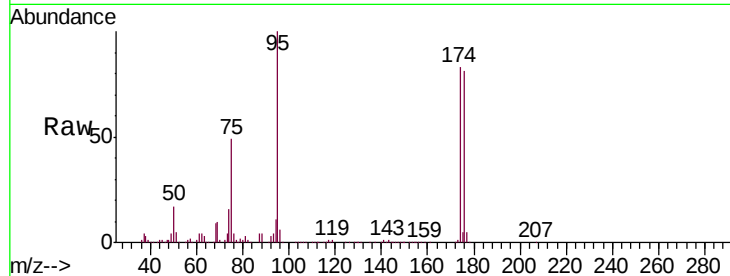




#62
4-Bromofluorobenzene
Concen: 46.202 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

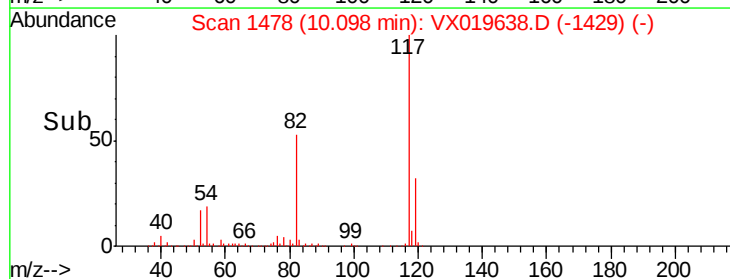
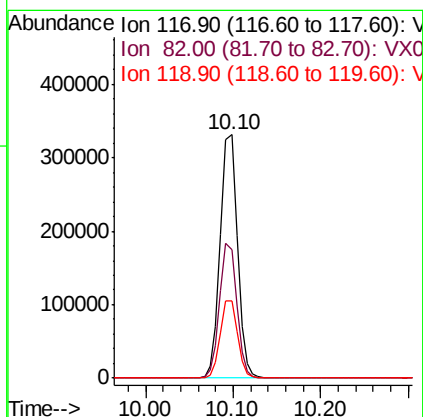
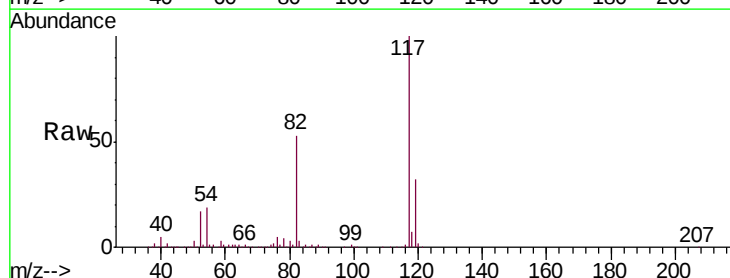
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20201119

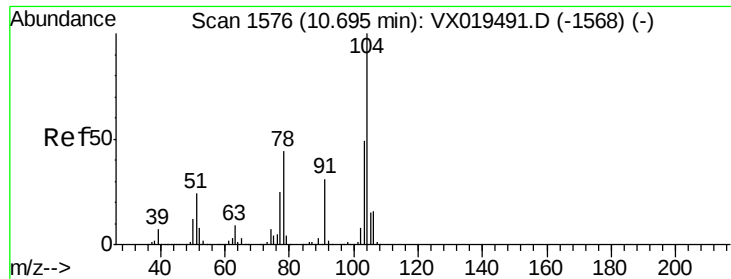
Tgt Ion: 95 Resp: 203488
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.2
176 74.6 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

Tgt Ion: 117 Resp: 453042
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 32.0 25.6 38.4

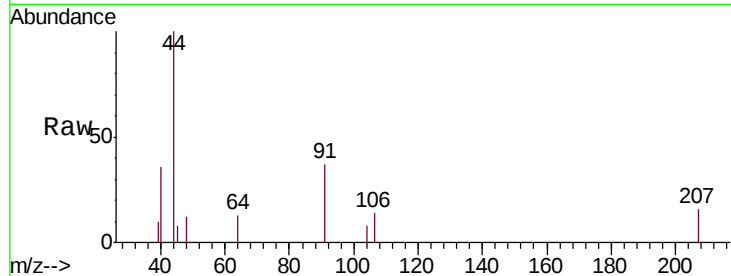




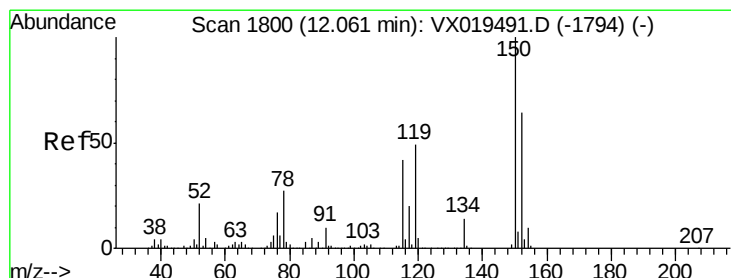
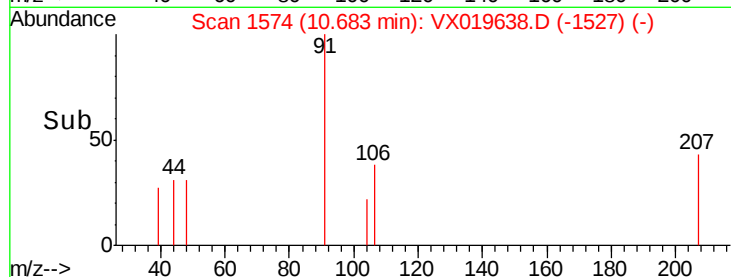
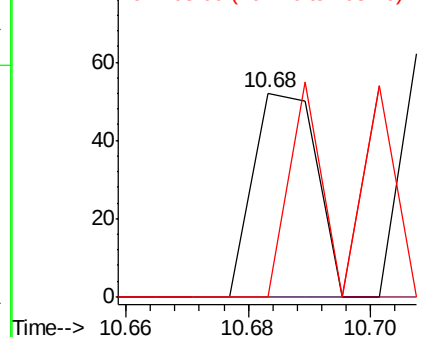
#70
Styrene
Concen: 1.649 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20201119

Tgt Ion:104 Resp: 37
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 108.1 43.6 65.4#

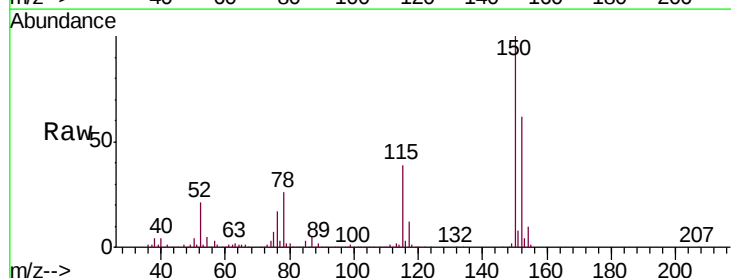


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

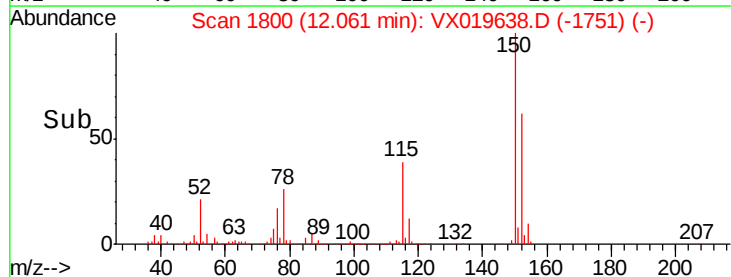
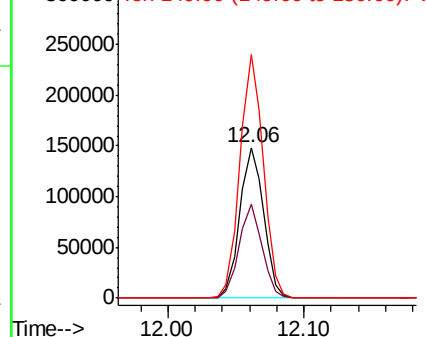


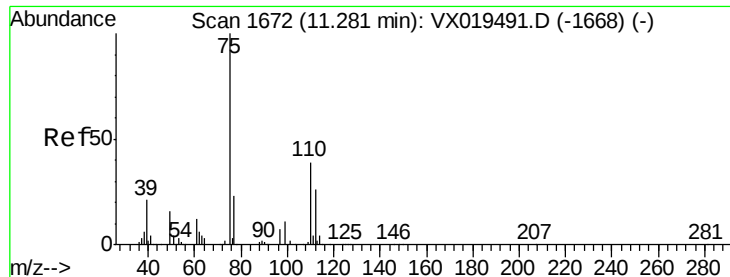
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019638.D
Acq: 25 Nov 2020 04:42

Tgt Ion:152 Resp: 181397
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 158.4 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: 25.334 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

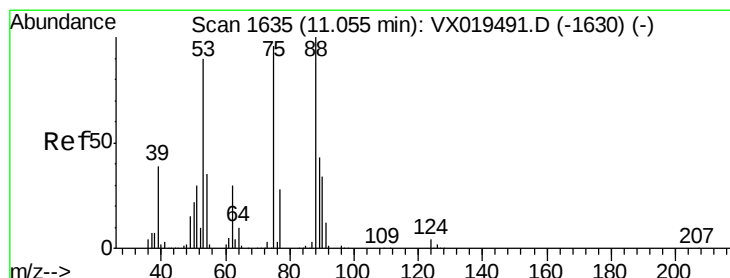
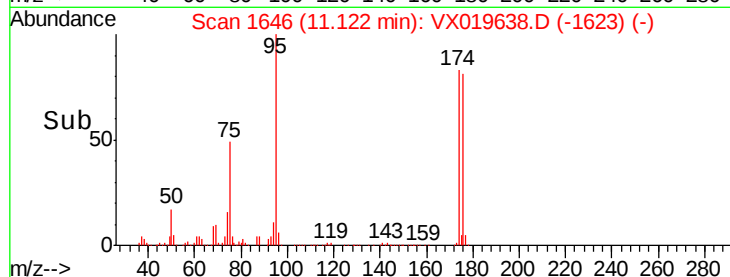
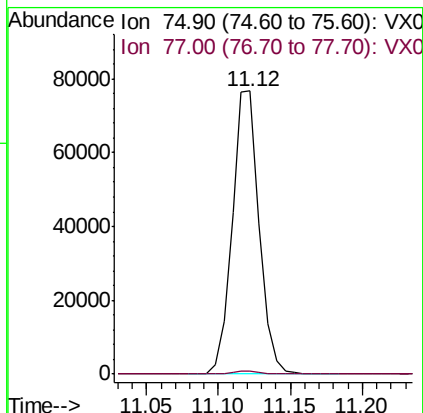
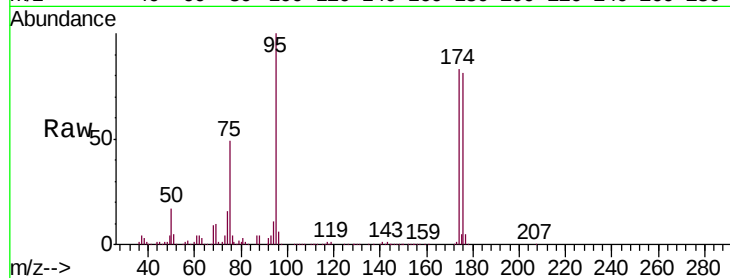
MH-121.5N-20201119

Tgt Ion: 75 Resp: 100289

Ion Ratio Lower Upper

75 100

77 1.3 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.865 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

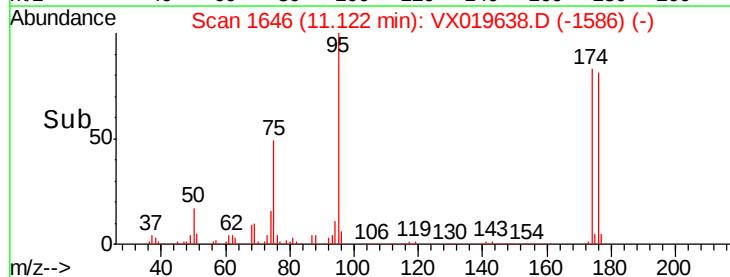
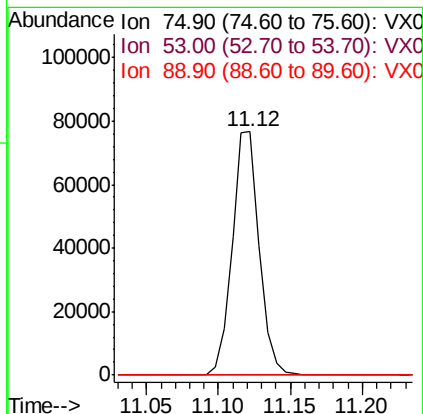
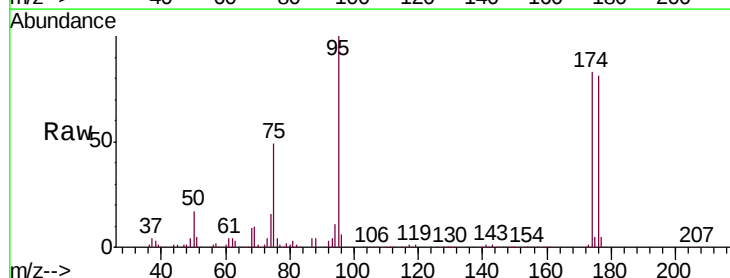
Tgt Ion: 75 Resp: 100289

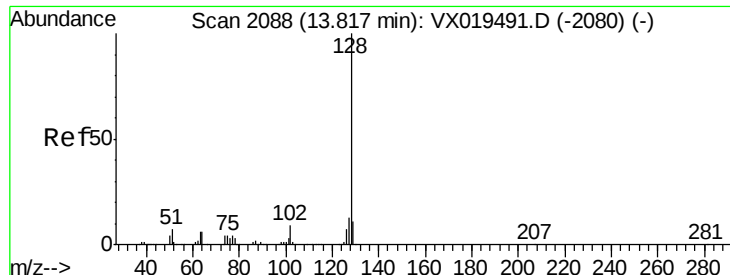
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.206 ug/l

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX019638.D

Acq: 25 Nov 2020 04:42

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20201119

Tgt Ion:128 Resp: 396

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#

