

Data File : VX019629.D
Acq On : 25 Nov 2020 01:13
Operator : JC/MD
Sample : L4835-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

Quant Time: Nov 25 04:11:03 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	327324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	536558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	489468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	199206	46.94	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.88%
35) Dibromofluoromethane	5.46	113	157997	46.91	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.82%
50) Toluene-d8	8.70	98	643348	49.16	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.32%
62) 4-Bromofluorobenzene	11.12	95	224620	47.70	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.40%

Target Compounds

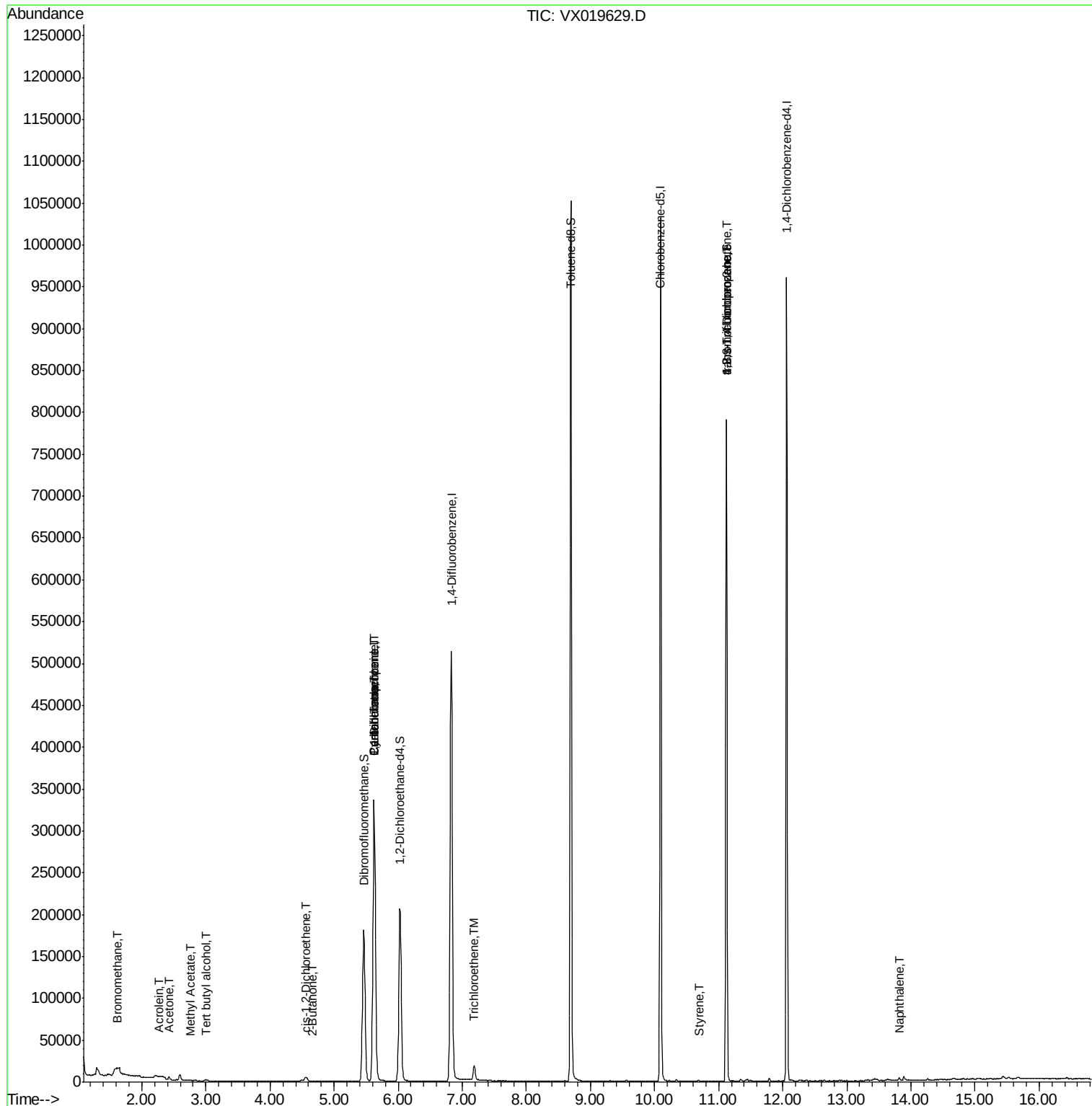
					Qvalue	
5) Bromomethane	1.62	94	299	0.201	ug/l #	1
6) Chloroethane	1.67	64	2425	Below	Cal #	58
11) Tert butyl alcohol	3.00	59	1135	1.413	ug/l #	73
13) Acrolein	2.26	56	388	0.719	ug/l #	37
16) Acetone	2.42	43	3305	2.014	ug/l #	88
18) Methyl Acetate	2.75	43	474	0.751	ug/l #	81
25) 2-Butanone	4.66	43	686	0.278	ug/l #	45
27) cis-1,2-Dichloroethene	4.56	96	3062	0.724	ug/l	89
31) Cyclohexane	5.62	56	6412	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24585	4.887	ug/l #	49
38) Carbon Tetrachloride	5.62	117	32445	6.664	ug/l #	17
44) Trichloroethene	7.18	130	5708	1.410	ug/l	95
70) Styrene	10.70	104	184	1.661	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	110344	25.126	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110344	66.352	ug/l #	12
95) Naphthalene	13.82	128	2304	2.327	ug/l	98

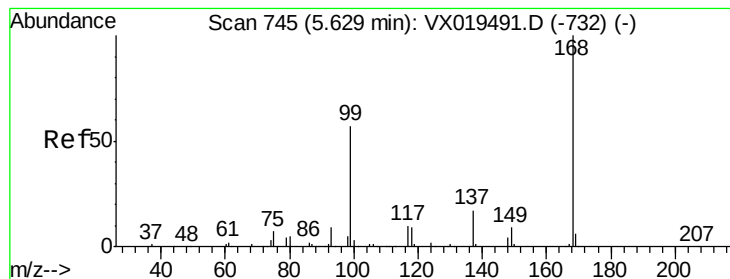
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019629.D

Acq: 25 Nov 2020 01:13

Instrument :

MSVOA_X

ClientSampleId :

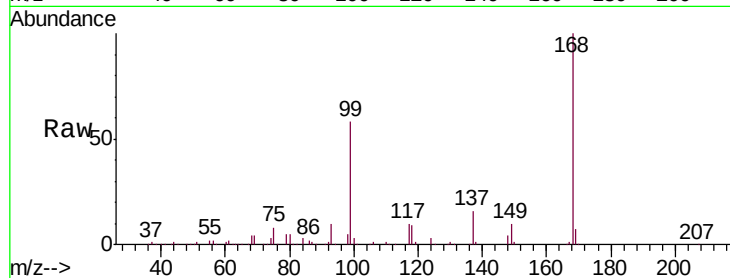
MH-140N-20201119

Tgt Ion:168 Resp: 327324

Ion Ratio Lower Upper

168 100

99 58.0 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

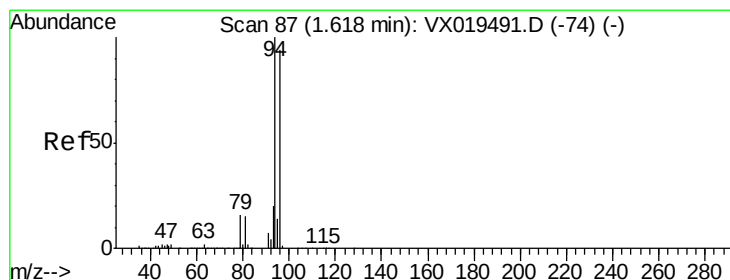
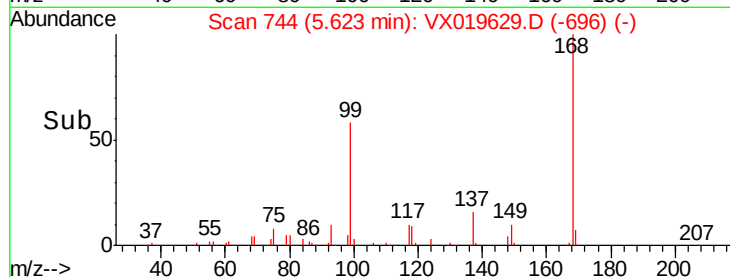
100000

50000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019629.D

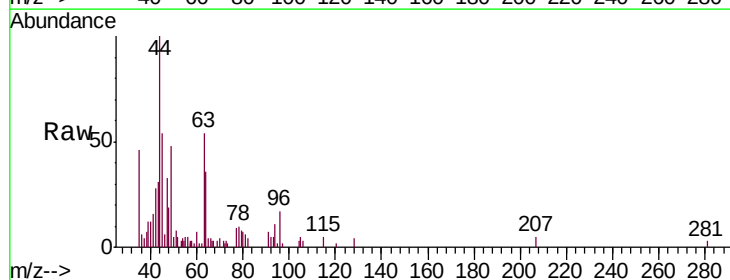
Acq: 25 Nov 2020 01:13

Tgt Ion: 94 Resp: 299

Ion Ratio Lower Upper

94 100

96 195.1 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

400

300

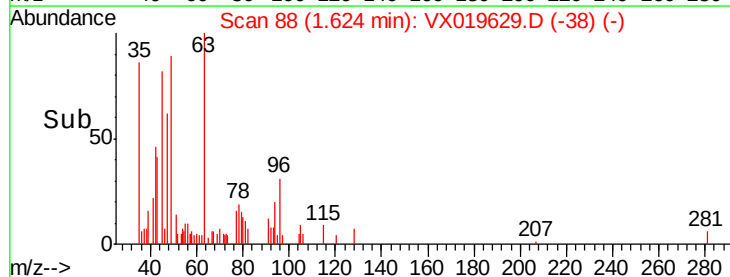
200

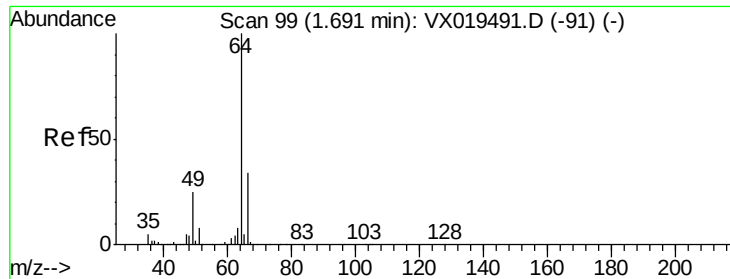
100

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 96

Delta R.T. -0.02 min

Lab File: VX019629.D

Acq: 25 Nov 2020 01:13

Instrument :

MSVOA_X

ClientSampleId :

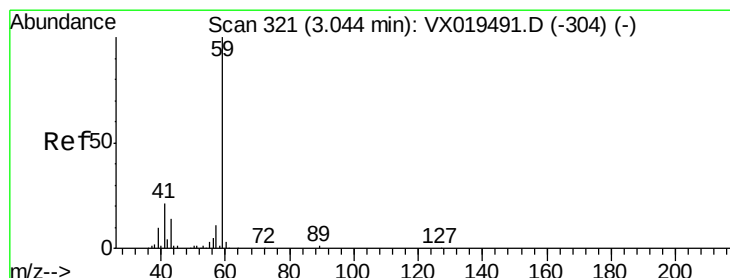
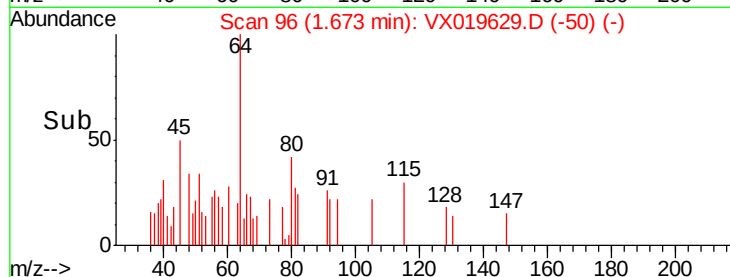
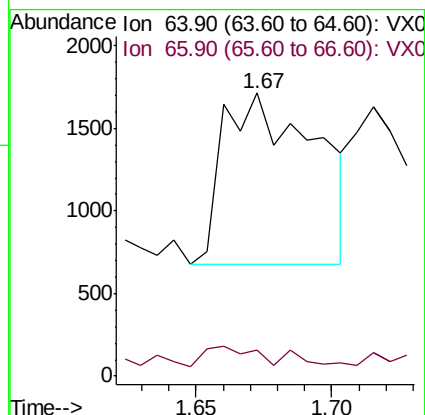
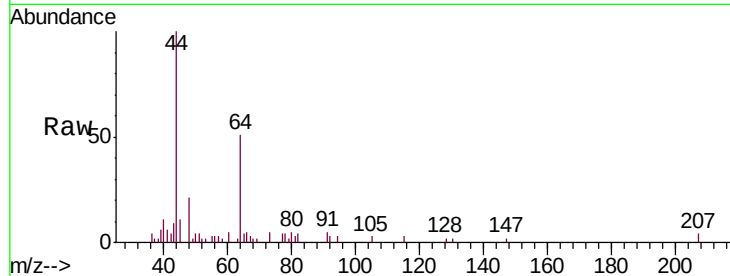
MH-140N-20201119

Tgt Ion: 64 Resp: 2425

Ion Ratio Lower Upper

64 100

66 9.8 27.1 40.7#



#11

Tert butyl alcohol

Concen: 1.413 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019629.D

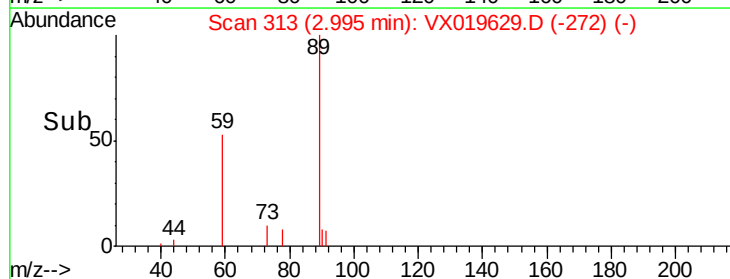
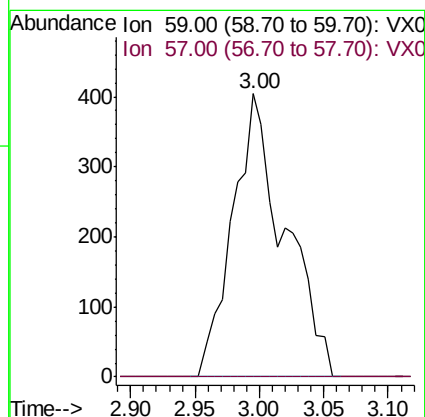
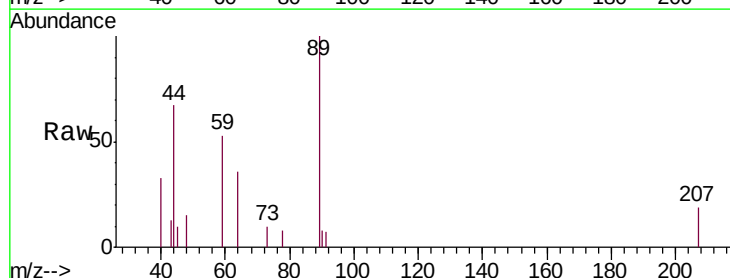
Acq: 25 Nov 2020 01:13

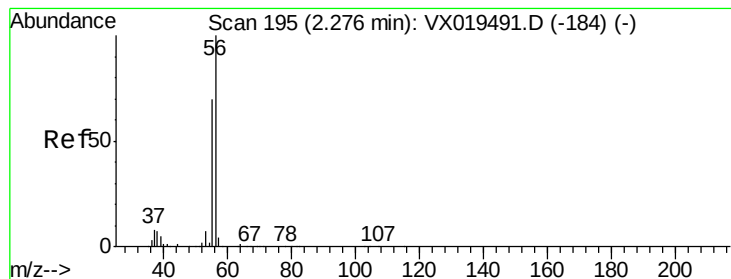
Tgt Ion: 59 Resp: 1135

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.719 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019629.D

Acq: 25 Nov 2020 01:13

Instrument :

MSVOA_X

ClientSampleId :

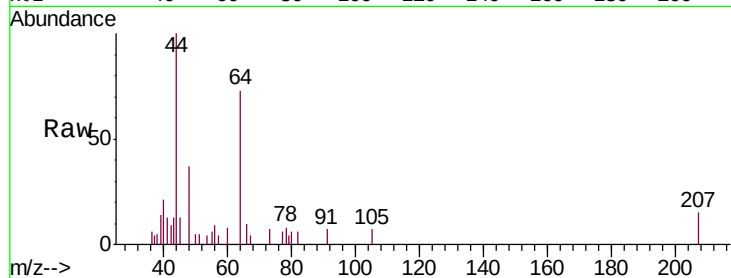
MH-140N-20201119

Tgt Ion: 56 Resp: 388

Ion Ratio Lower Upper

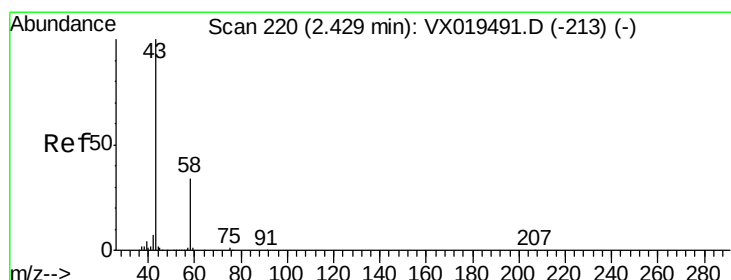
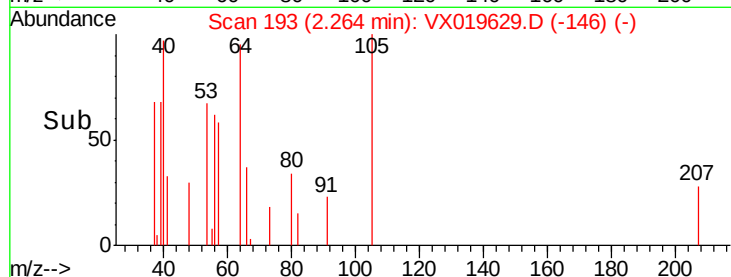
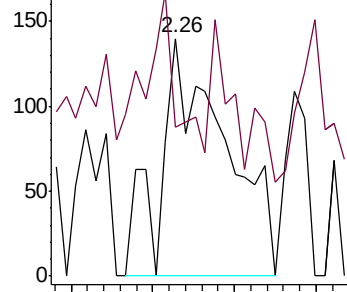
56 100

55 17.8 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.014 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019629.D

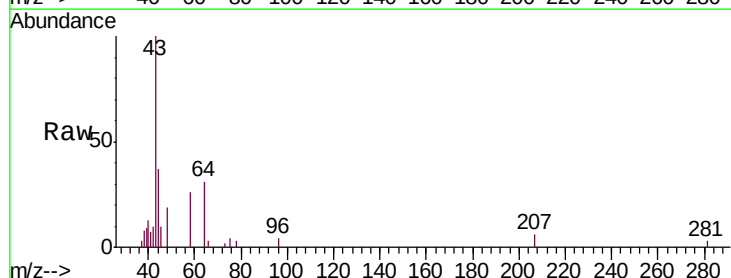
Acq: 25 Nov 2020 01:13

Tgt Ion: 43 Resp: 3305

Ion Ratio Lower Upper

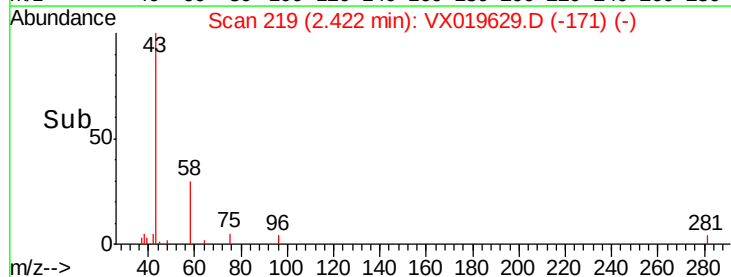
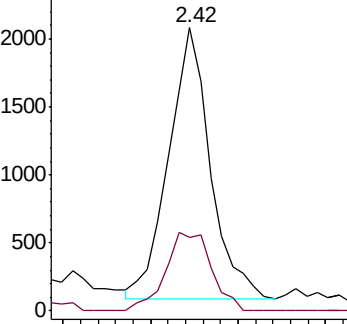
43 100

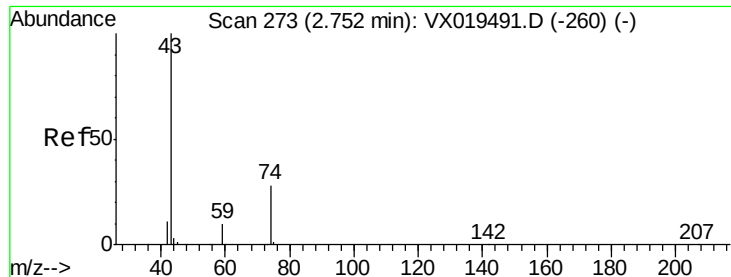
58 27.1 27.4 41.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

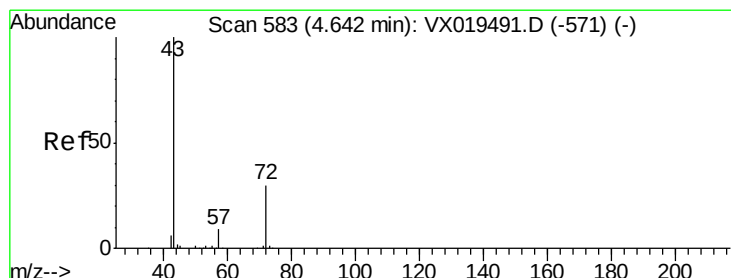
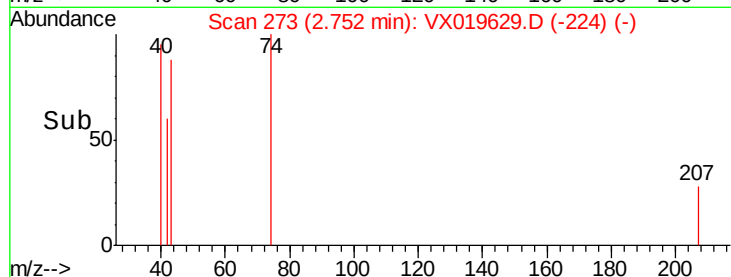
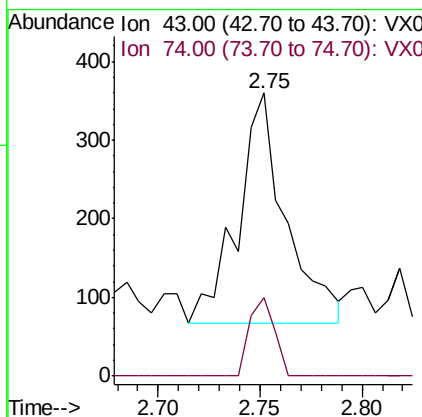
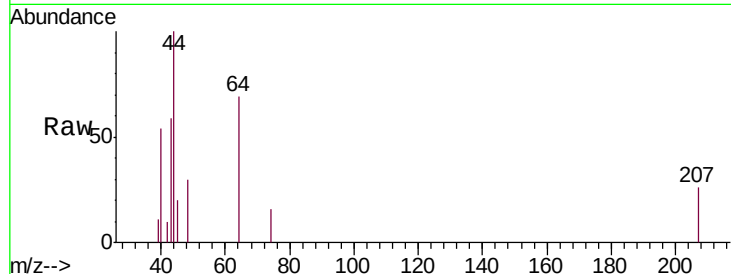




#18
Methyl Acetate
Concen: 0.751 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

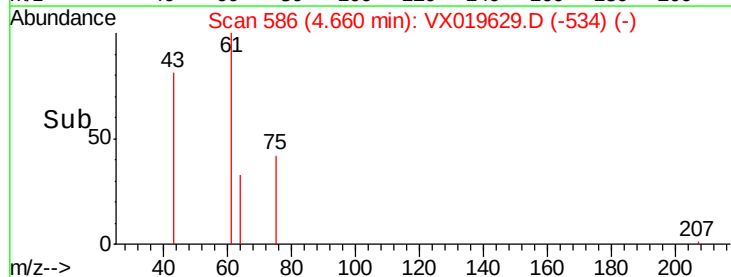
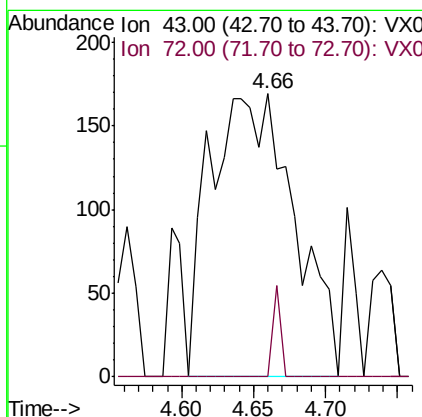
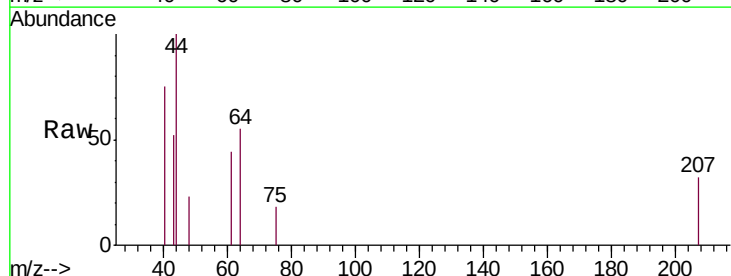
Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

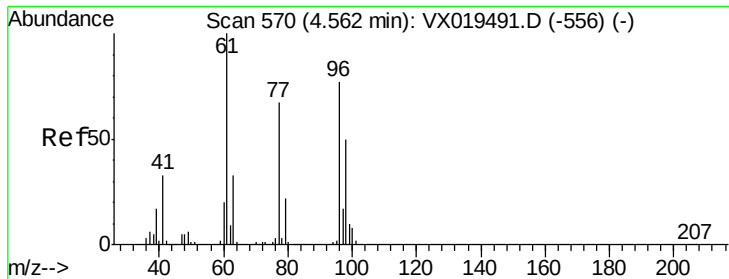
Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
74 17.9 22.2 33.4#



#25
2-Butanone
Concen: 0.278 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



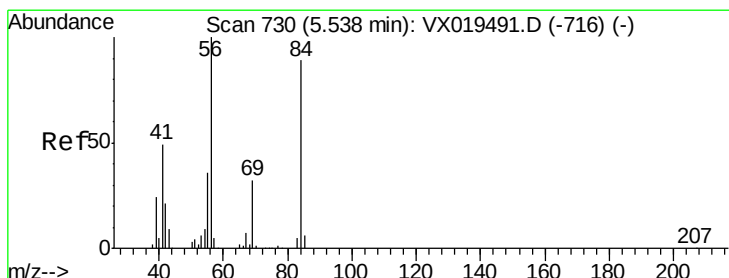
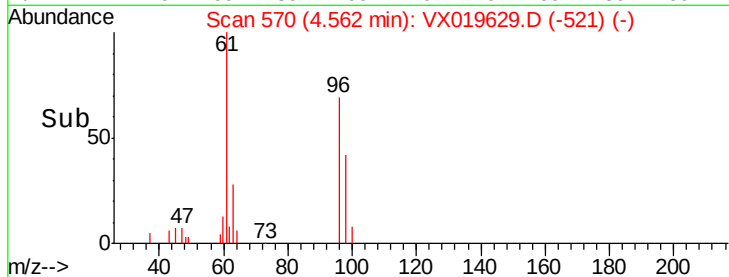
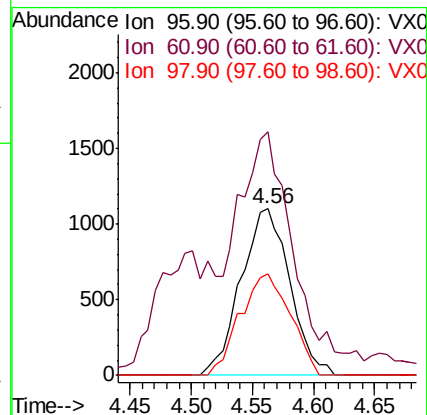
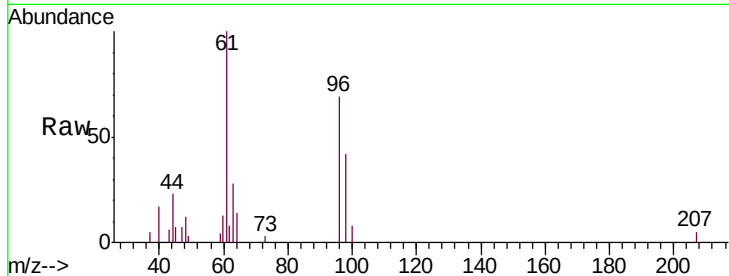


#27

cis-1,2-Dichloroethene
Concen: 0.724 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

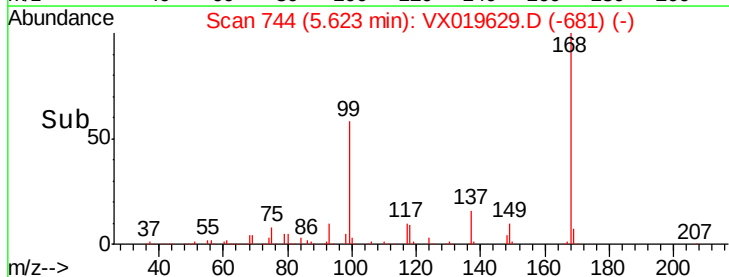
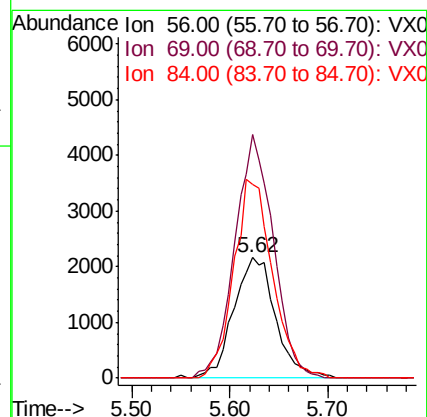
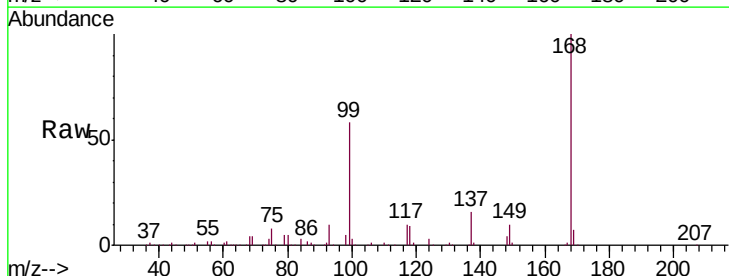
Tgt Ion: 96 Resp: 3062
Ion Ratio Lower Upper
96 100
61 158.1 0.0 279.2
98 62.4 0.0 129.8

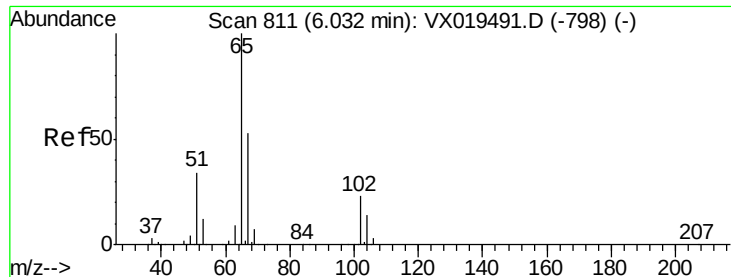


#31

Cyclohexane
Concen: 1.162 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Tgt Ion: 56 Resp: 6412
Ion Ratio Lower Upper
56 100
69 202.7 25.5 38.3#
84 161.7 71.1 106.7#

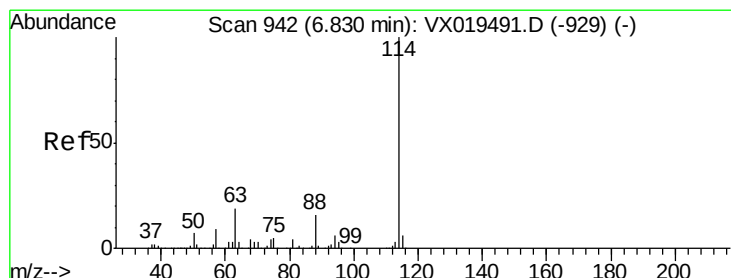
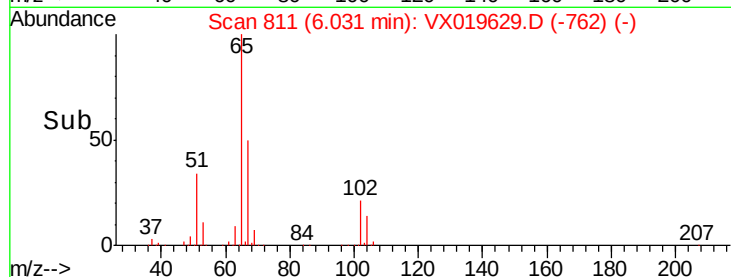
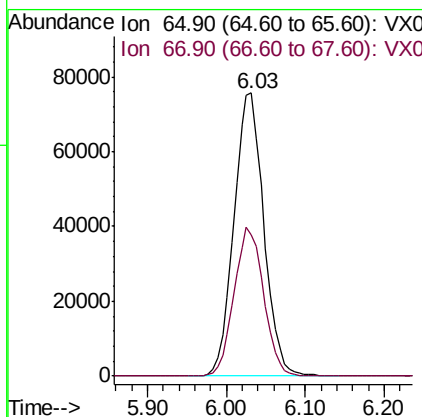
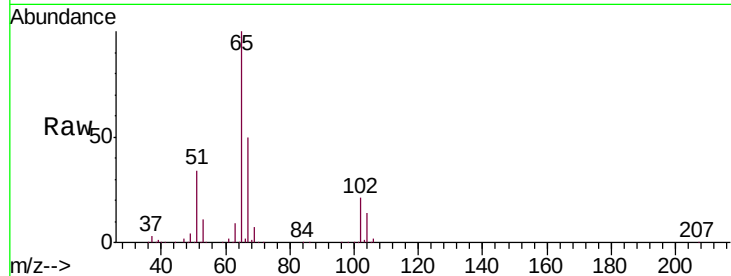




#33
 1,2-Dichloroethane-d4
 Concen: 46.938 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019629.D
 Acq: 25 Nov 2020 01:13

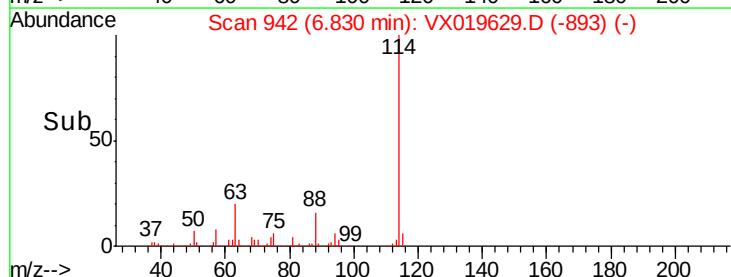
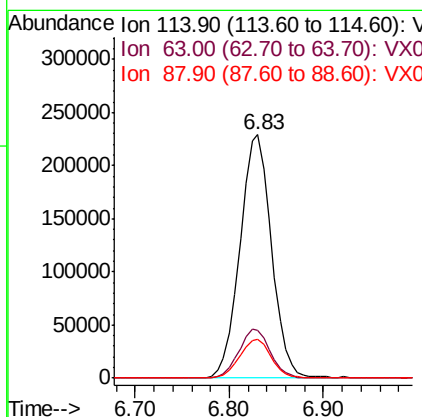
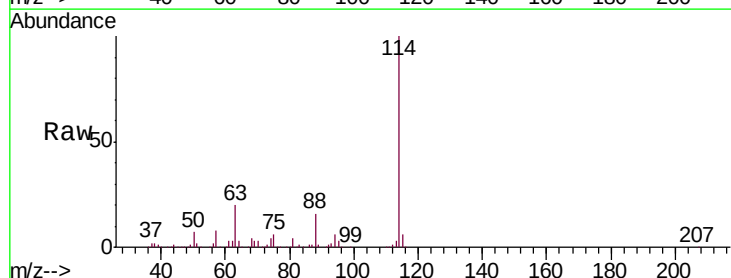
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20201119

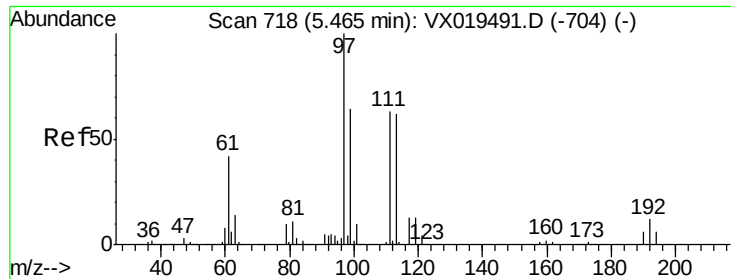
Tgt Ion: 65 Resp: 199206
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019629.D
 Acq: 25 Nov 2020 01:13

Tgt Ion: 114 Resp: 536558
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.912 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019629.D

Acq: 25 Nov 2020 01:13

Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20201119

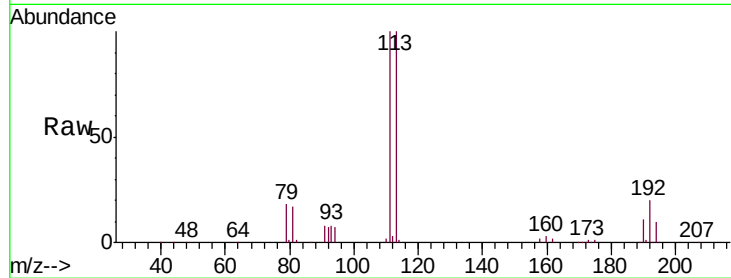
Tgt Ion:113 Resp: 157997

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

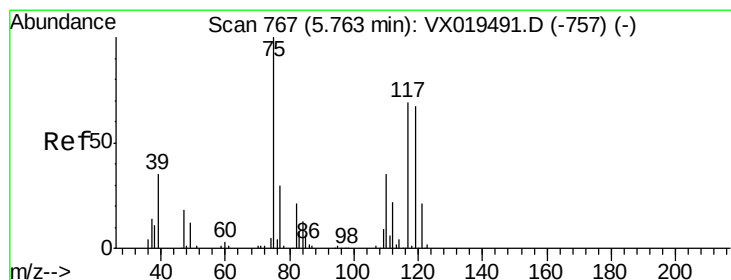
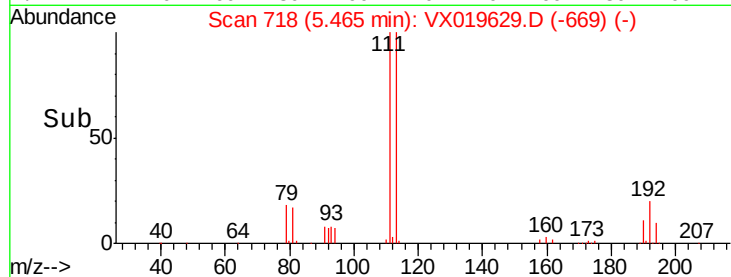
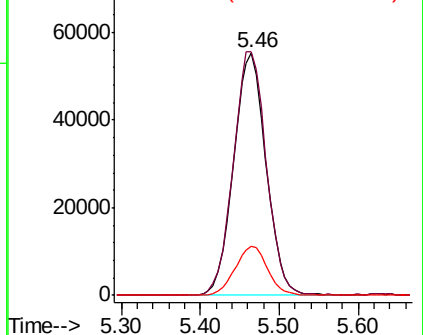
192 20.2 16.2 24.2



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: 4.887 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019629.D

Acq: 25 Nov 2020 01:13

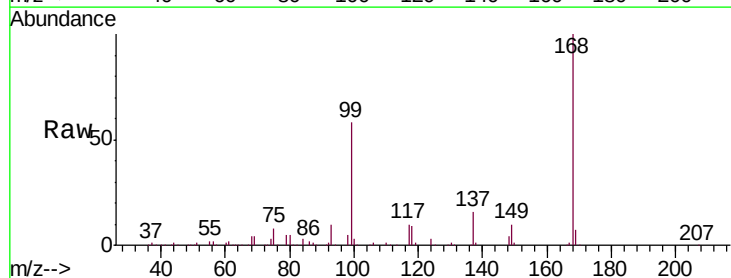
Tgt Ion: 75 Resp: 24585

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

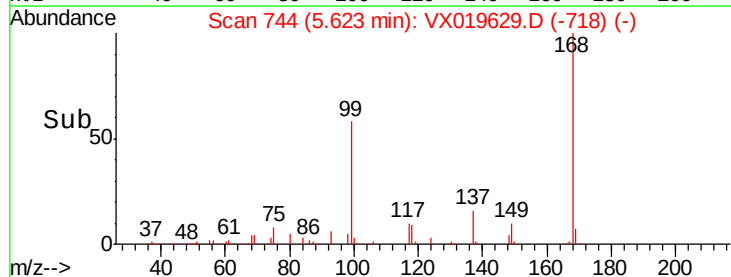
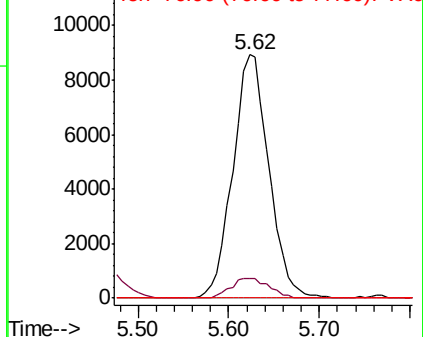
77 0.0 24.2 36.4#

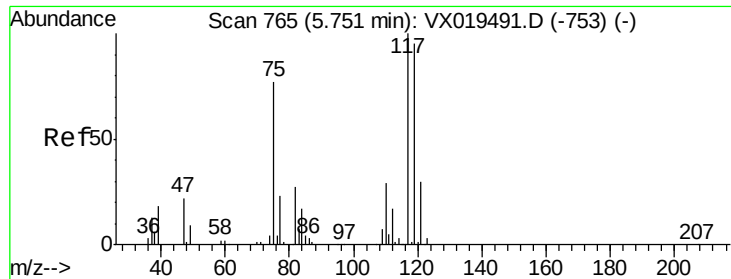


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

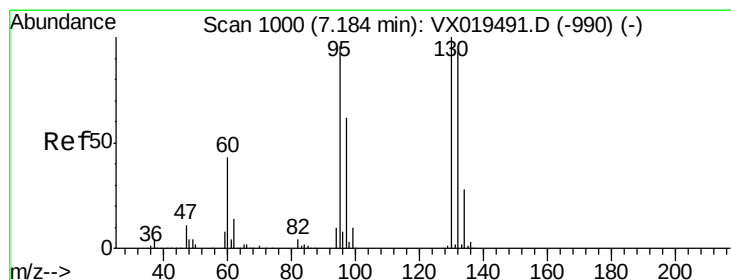
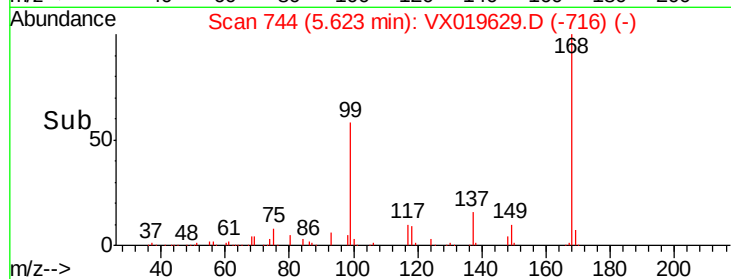
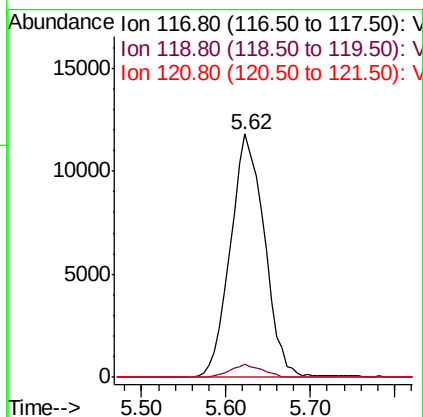
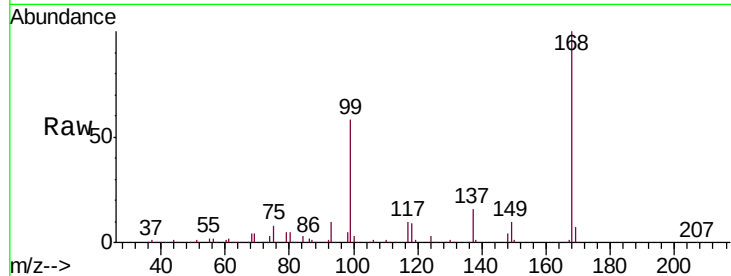




#38
Carbon Tetrachloride
Concen: 6.664 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

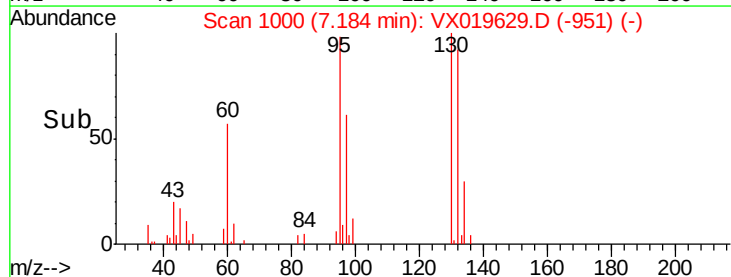
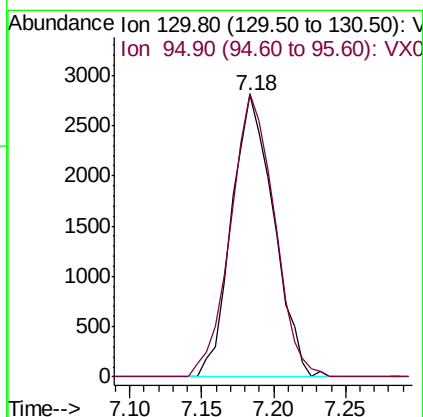
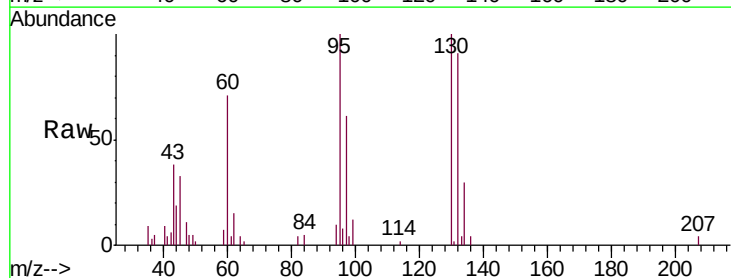
Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

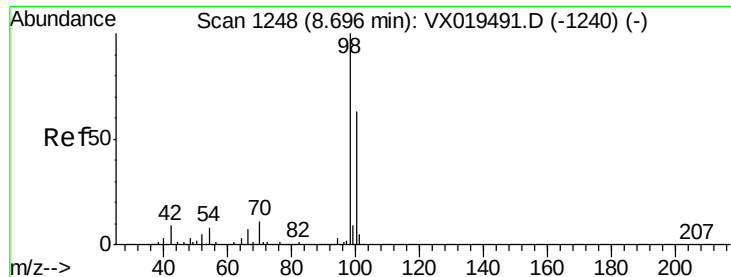
Tgt Ion:117 Resp: 32445
Ion Ratio Lower Upper
117 100
119 5.4 75.9 113.9#
121 0.0 24.0 36.0#



#44
Trichloroethene
Concen: 1.410 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Tgt Ion:130 Resp: 5708
Ion Ratio Lower Upper
130 100
95 100.4 0.0 191.2

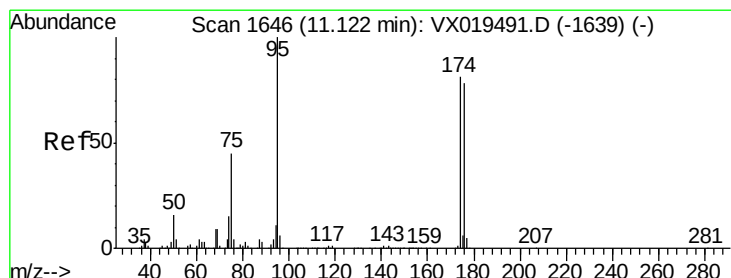
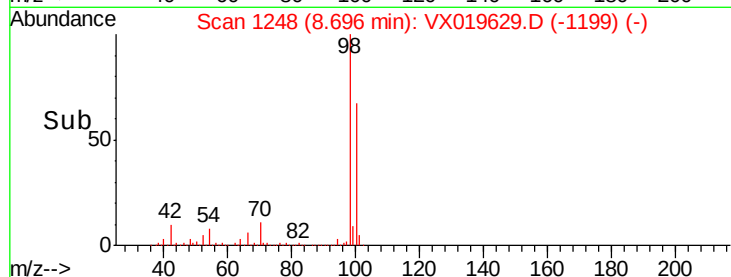
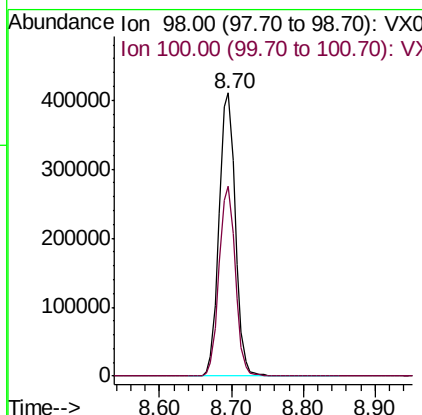
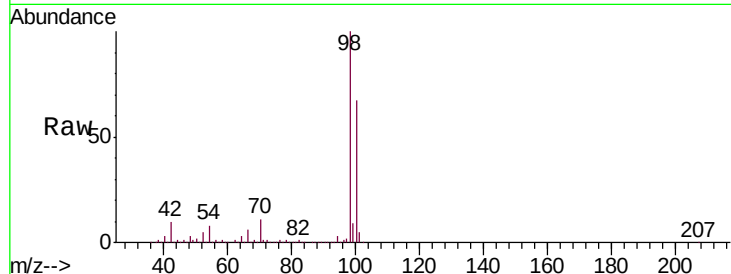




#50
Toluene-d8
Concen: 49.157 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

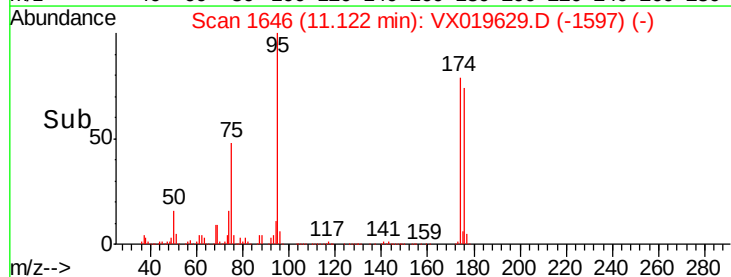
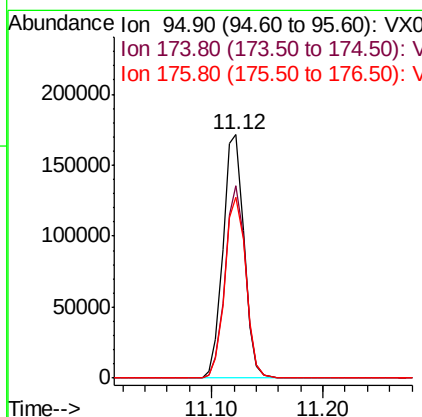
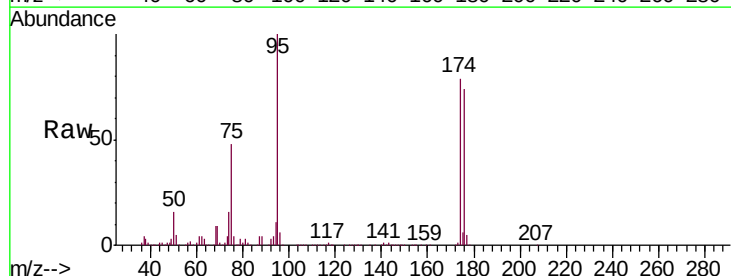
Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

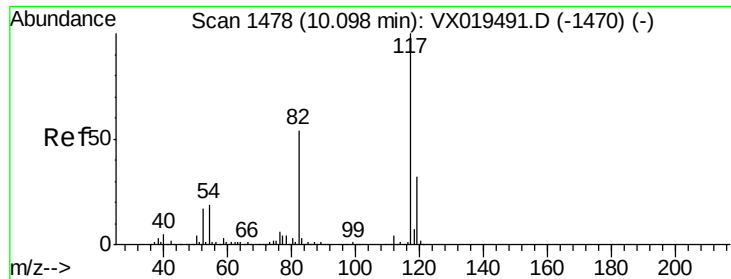
Tgt Ion: 98 Resp: 643348
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 47.703 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Tgt Ion: 95 Resp: 224620
Ion Ratio Lower Upper
95 100
174 76.9 0.0 156.2
176 74.5 0.0 151.4

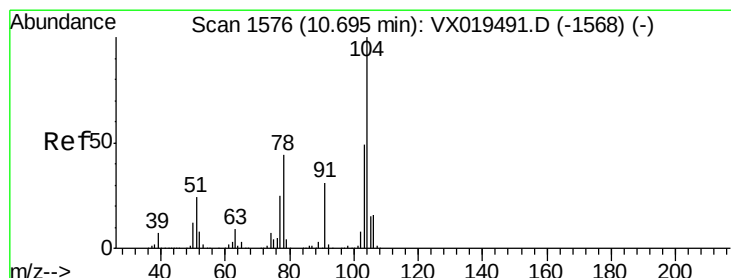
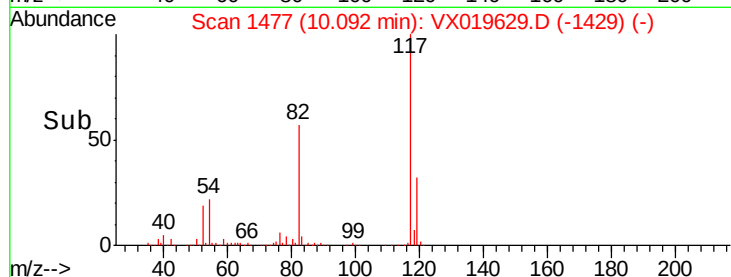
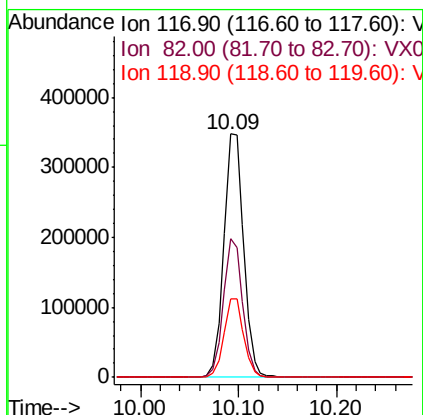
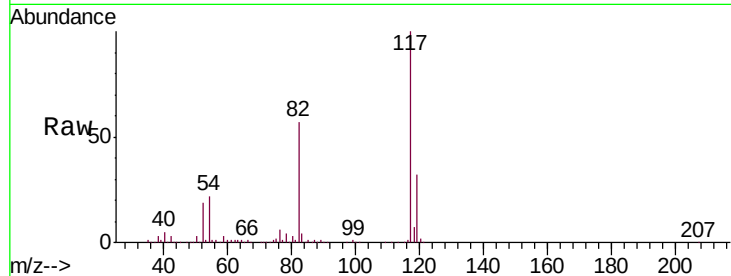




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

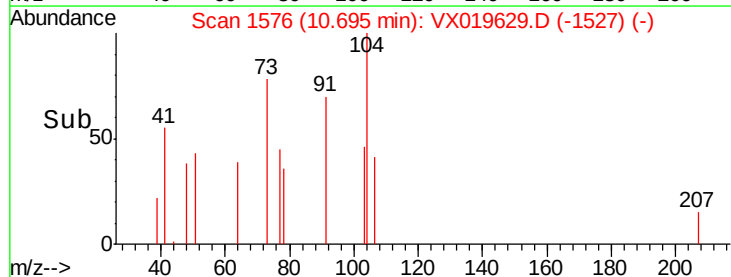
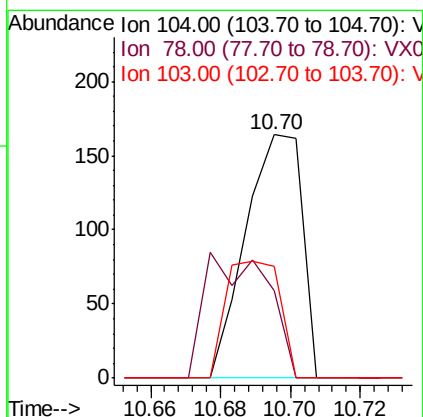
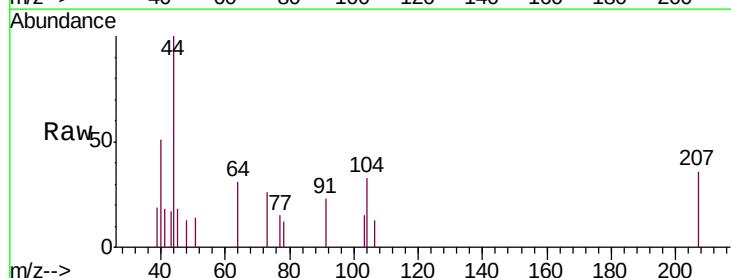
Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

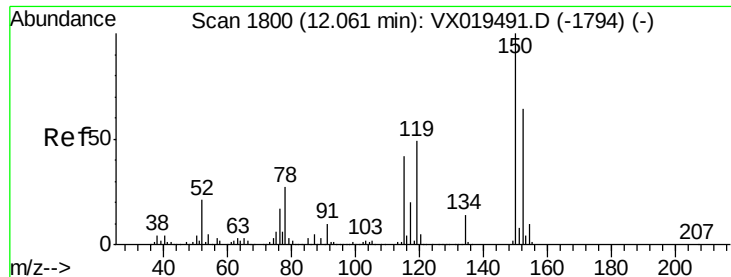
Tgt Ion:117 Resp: 489468
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 32.2 25.6 38.4



#70
Styrene
Concen: 1.661 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Tgt Ion:104 Resp: 184
Ion Ratio Lower Upper
104 100
78 57.1 39.5 59.3
103 45.7 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019629.D

Acq: 25 Nov 2020 01:13

Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20201119

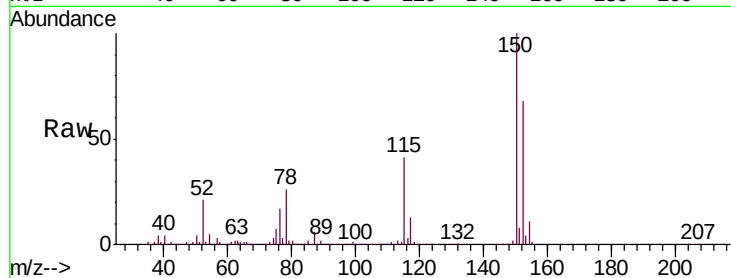
Tgt Ion:152 Resp: 201232

Ion Ratio Lower Upper

152 100

115 59.1 41.8 125.4

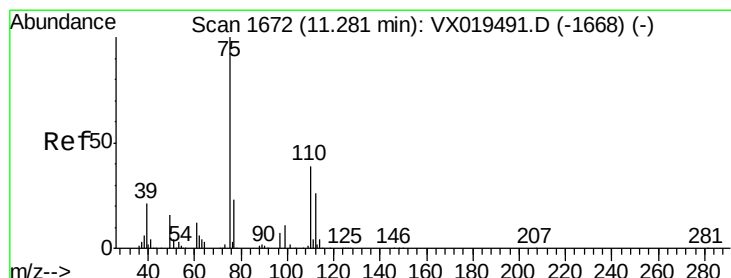
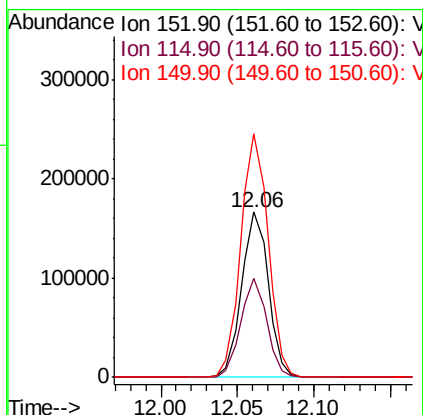
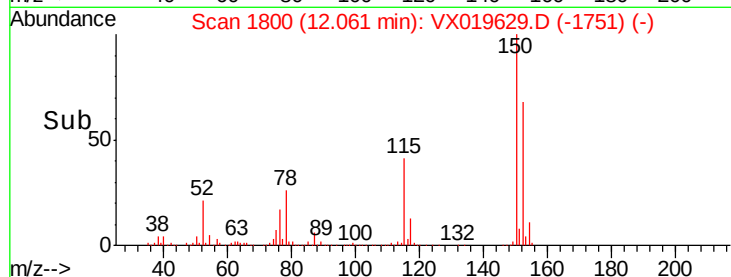
150 150.9 0.0 348.2



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: 25.126 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019629.D

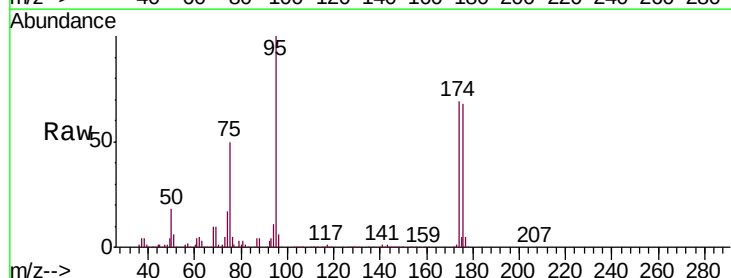
Acq: 25 Nov 2020 01:13

Tgt Ion: 75 Resp: 110344

Ion Ratio Lower Upper

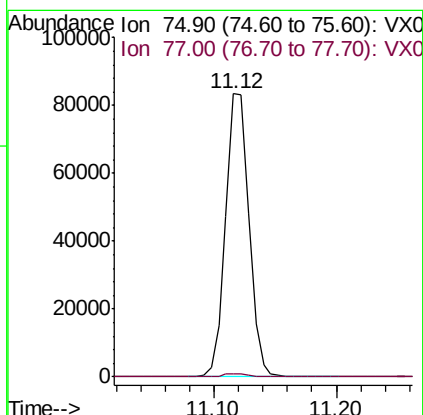
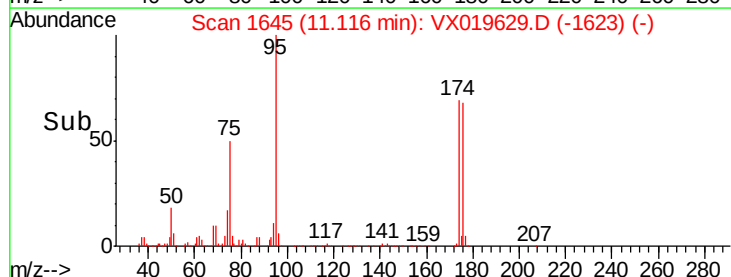
75 100

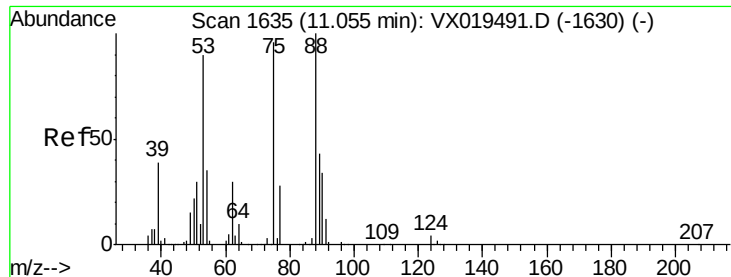
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

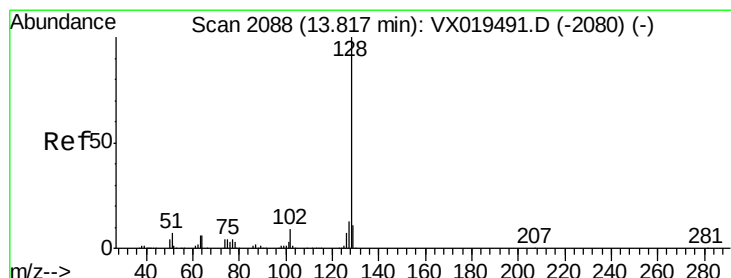
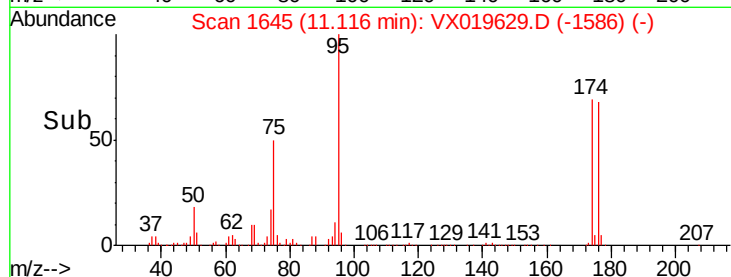
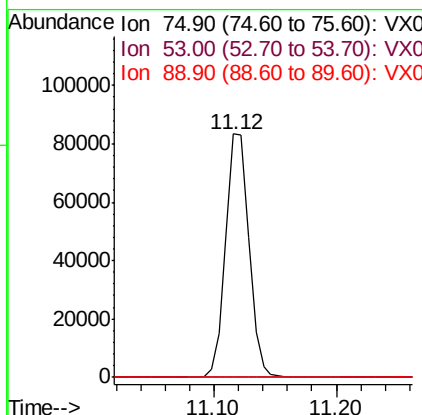
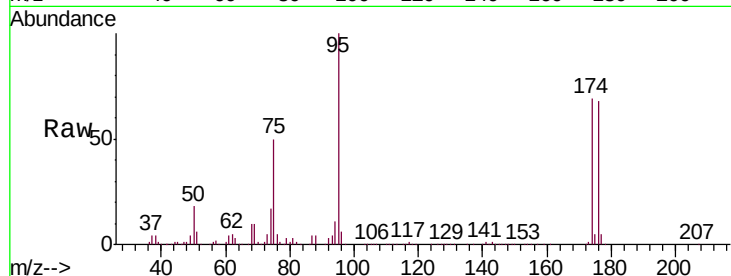




#81
trans-1,4-Dichloro-2-butene
Concen: 66.352 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. 0.06 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20201119

Tgt Ion: 75 Resp: 110344
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.327 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019629.D
Acq: 25 Nov 2020 01:13

Tgt Ion: 128 Resp: 2304
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 12.2 8.7 13.1

