

Data File : VX019628.D
Acq On : 25 Nov 2020 00:50
Operator : JC/MD
Sample : L4835-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20201119

Quant Time: Nov 25 04:10:47 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	310487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	517591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	467320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192908	47.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.84%		
35) Dibromofluoromethane	5.46	113	151666	46.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.36%		
50) Toluene-d8	8.70	98	617829	48.94	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.88%		
62) 4-Bromofluorobenzene	11.12	95	219386	48.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.60%		

Target Compounds

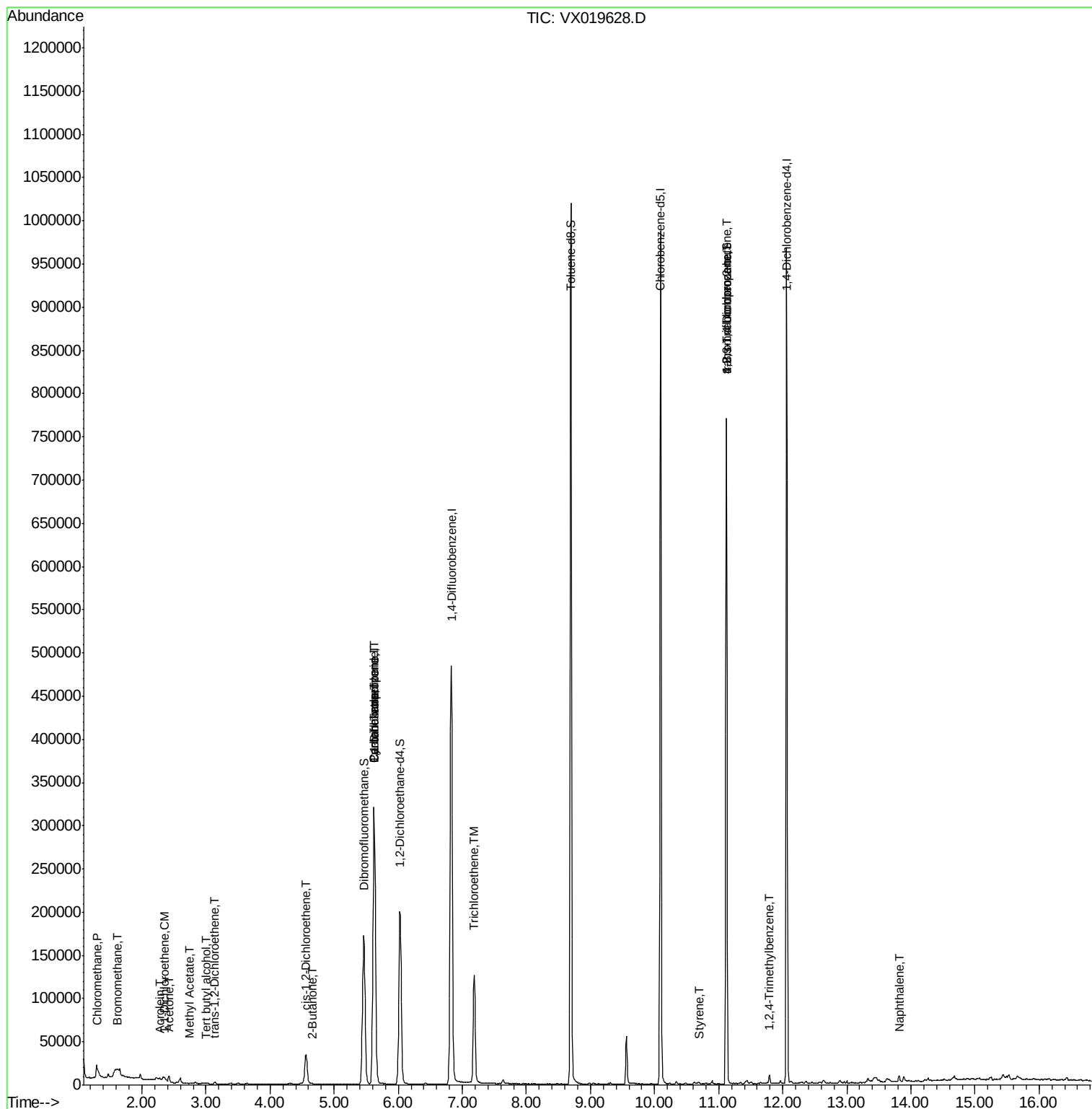
						Qvalue
3) Chloromethane	1.31	50	983	0.284	ug/l #	81
5) Bromomethane	1.62	94	671	0.475	ug/l #	80
6) Chloroethane	1.70	64	305	Below Cal	#	41
11) Tert butyl alcohol	3.00	59	933	1.225	ug/l #	73
12) 1,1-Dichloroethene	2.36	96	791	0.257	ug/l #	62
13) Acrolein	2.27	56	1115	2.177	ug/l #	78
16) Acetone	2.42	43	7236	4.648	ug/l	99
18) Methyl Acetate	2.75	43	547	0.776	ug/l #	47
21) trans-1,2-Dichloroethene	3.14	96	827	0.237	ug/l #	88
25) 2-Butanone	4.65	43	1388	0.594	ug/l	91
27) cis-1,2-Dichloroethene	4.56	96	22554	5.622	ug/l	93
31) Cyclohexane	5.62	56	6013	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23558	4.855	ug/l #	50
38) Carbon Tetrachloride	5.62	117	30855	6.569	ug/l #	16
44) Trichloroethene	7.18	130	49062	12.563	ug/l	99
70) Styrene	10.70	104	258	1.668	ug/l #	67
76) 1,2,3-Trichloropropane	11.12	75	105588	24.779	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	105588	65.494	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	3238	0.282	ug/l	96
95) Naphthalene	13.82	128	4420	2.472	ug/l #	86

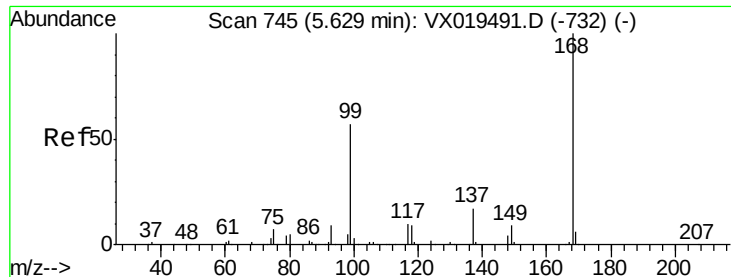
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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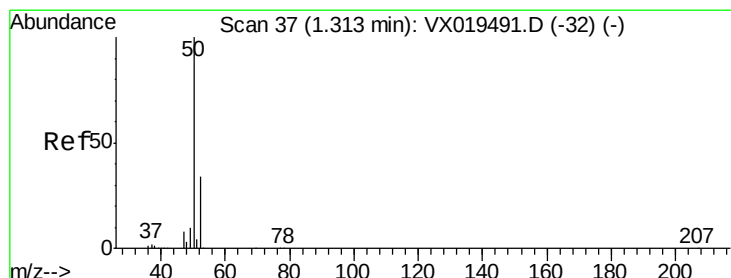
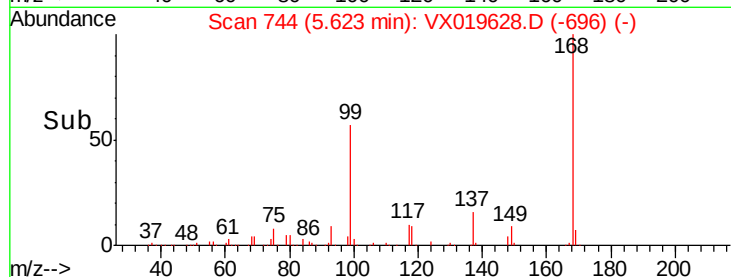
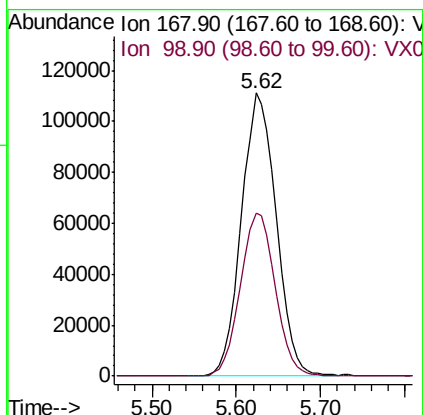
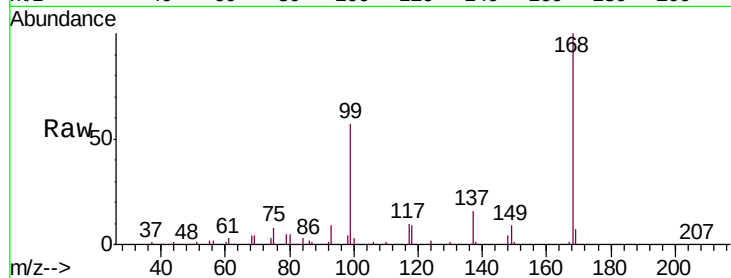




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.01 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

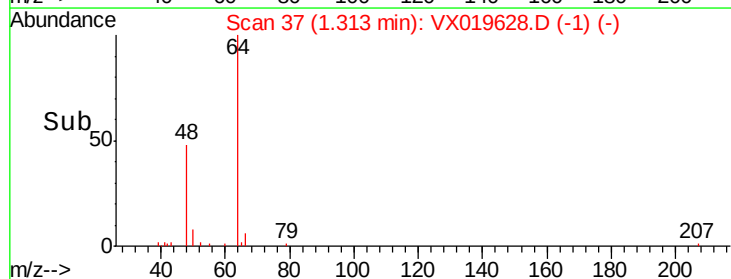
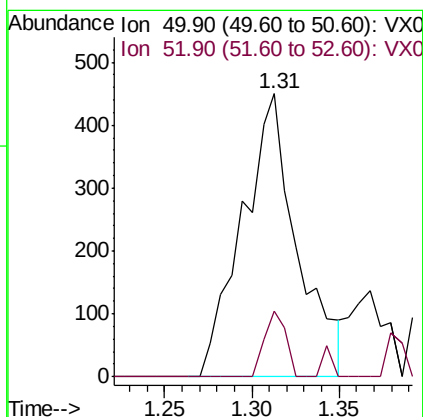
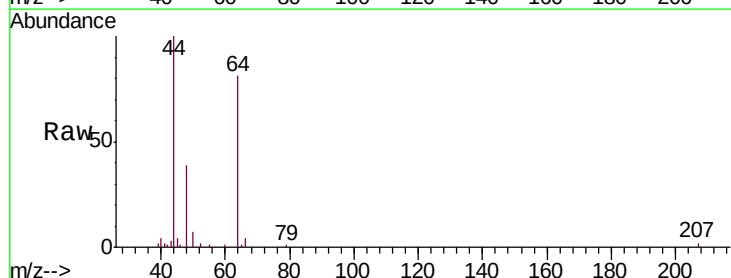
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20201119

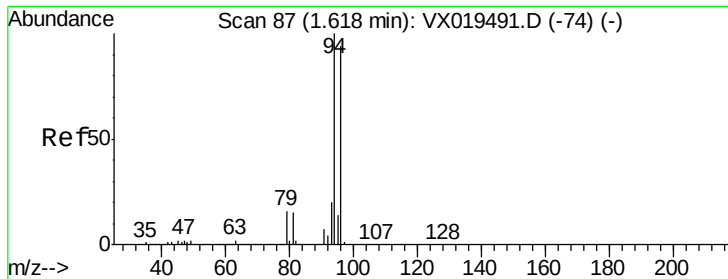
Tgt Ion:168 Resp: 310487
Ion Ratio Lower Upper
168 100
99 57.5 45.8 68.6



#3
Chloromethane
Concen: 0.284 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

Tgt Ion: 50 Resp: 983
Ion Ratio Lower Upper
50 100
52 23.1 27.0 40.6#





#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

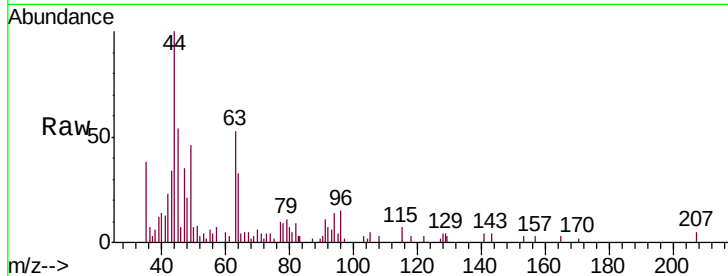
MH-140B-20201119

Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

94 100

96 113.9 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

300

200

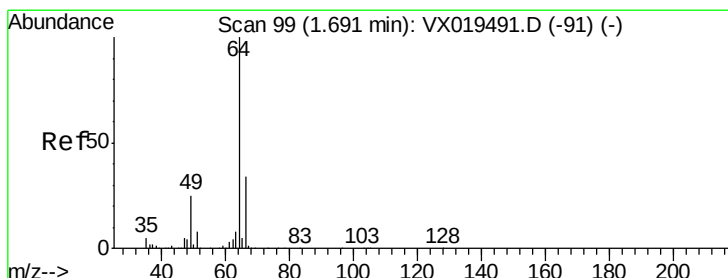
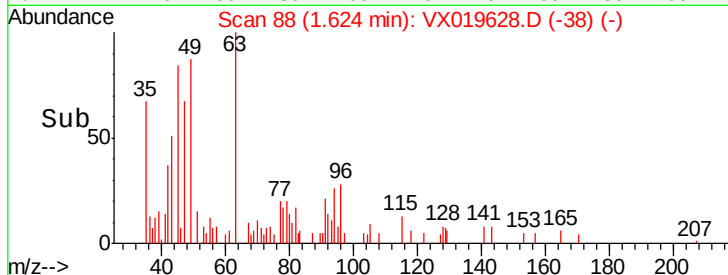
100

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX019628.D

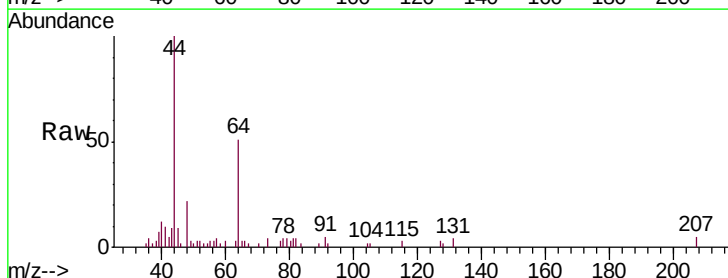
Acq: 25 Nov 2020 00:50

Tgt Ion: 64 Resp: 305

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

1500

1000

500

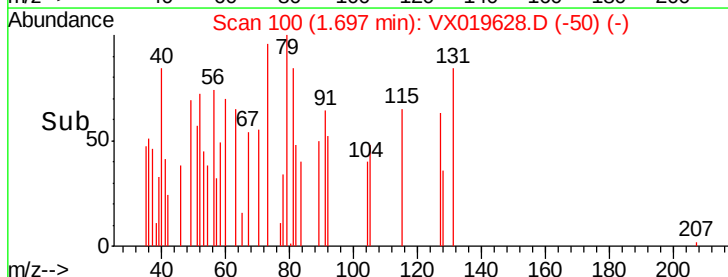
0

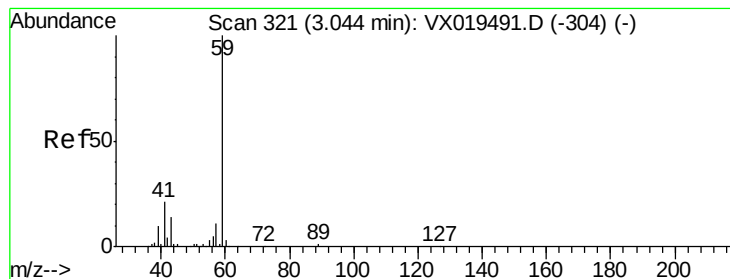
1.69

1.70

1.71

Time-->





#11

Tert butyl alcohol

Concen: 1.225 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.04 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

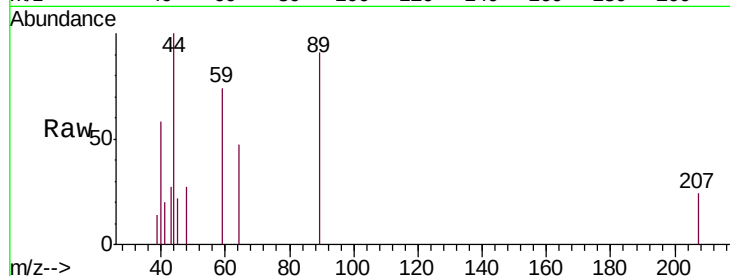
MH-140B-20201119

Tgt Ion: 59 Resp: 933

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

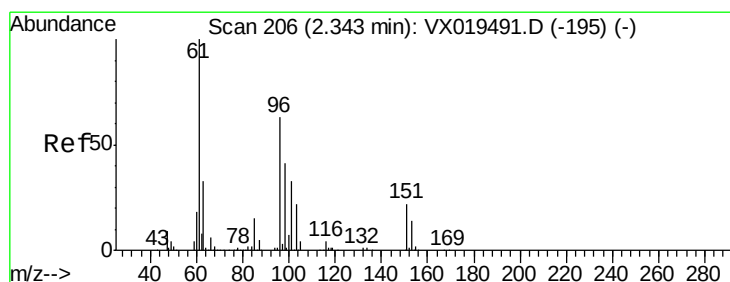
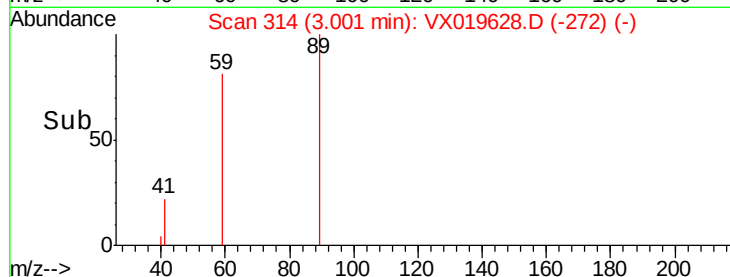
300

200

100

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.257 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.01 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

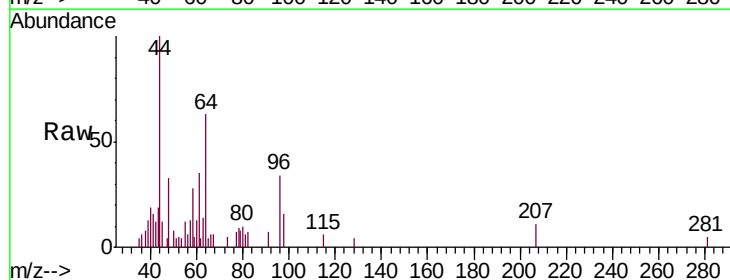
Tgt Ion: 96 Resp: 791

Ion Ratio Lower Upper

96 100

61 100.8 126.0 189.0#

98 46.0 52.0 78.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2.36

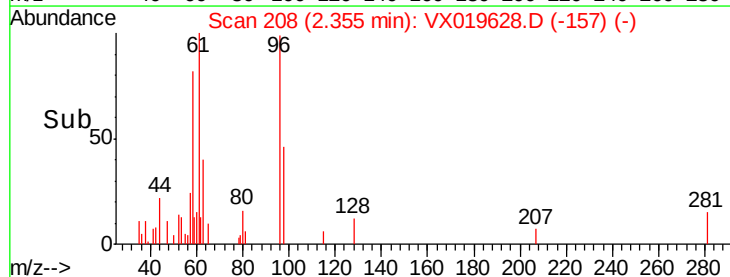
600

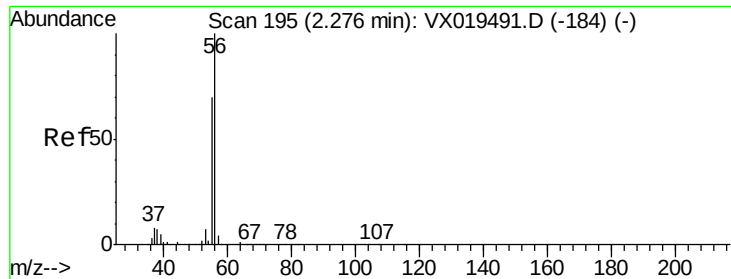
400

200

0

Time-->

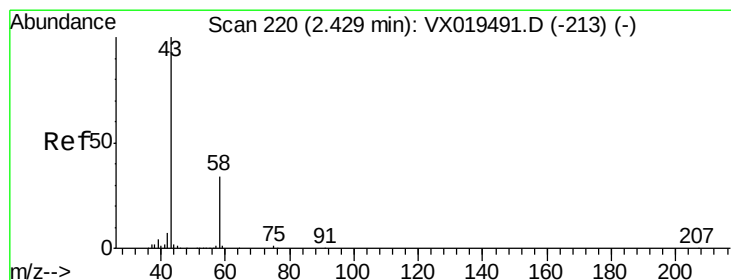
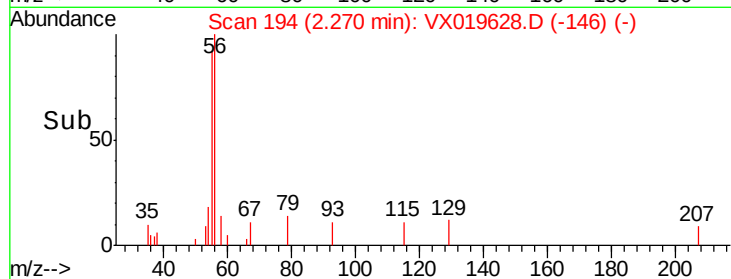
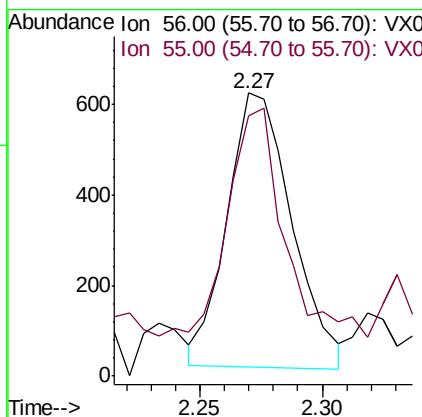
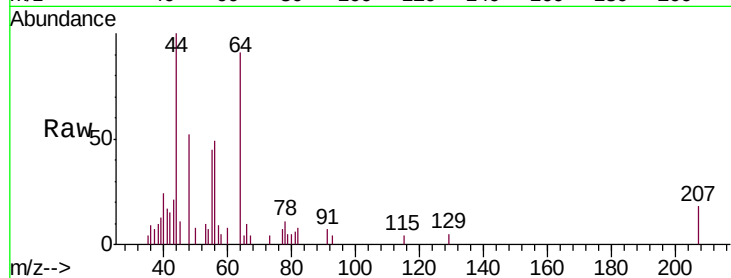




#13
Acrolein
Concen: 2.177 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

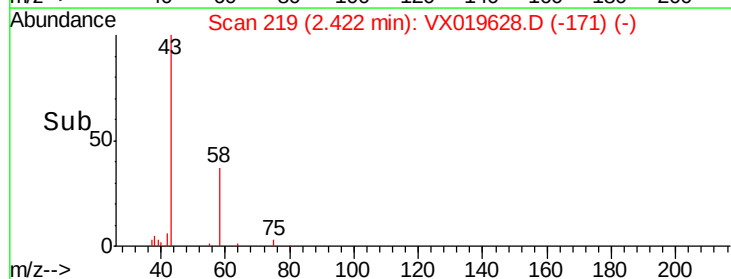
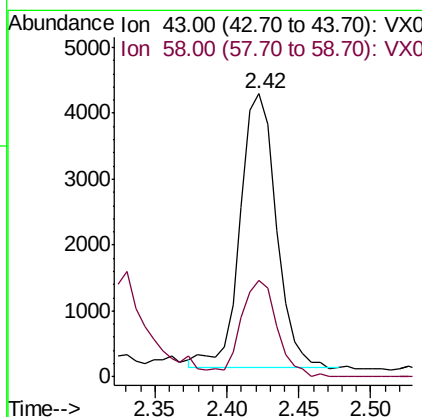
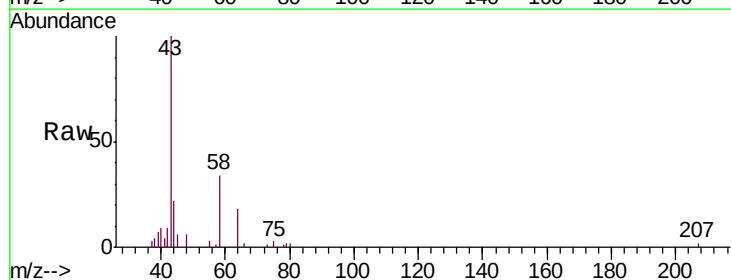
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20201119

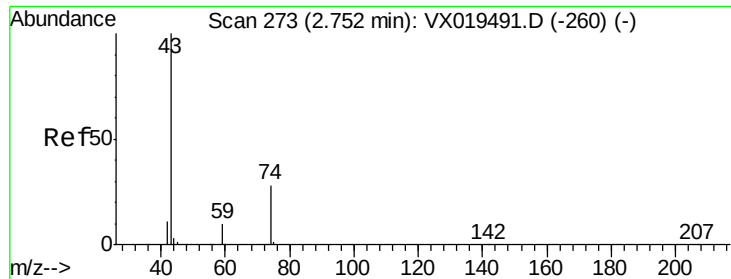
Tgt Ion: 56 Resp: 1115
Ion Ratio Lower Upper
56 100
55 87.7 55.5 83.3#



#16
Acetone
Concen: 4.648 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

Tgt Ion: 43 Resp: 7236
Ion Ratio Lower Upper
43 100
58 35.1 27.4 41.2

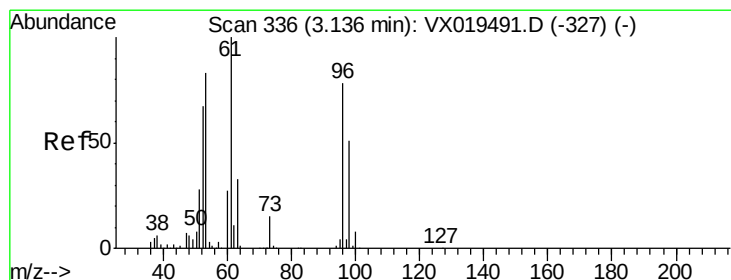
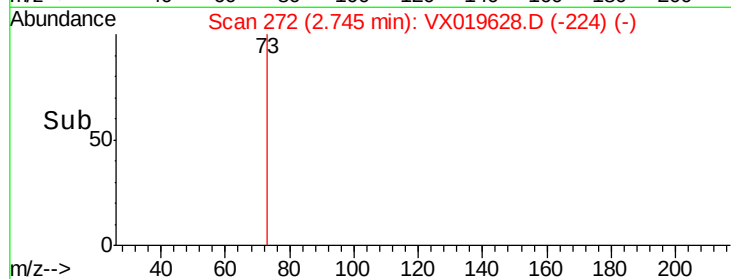
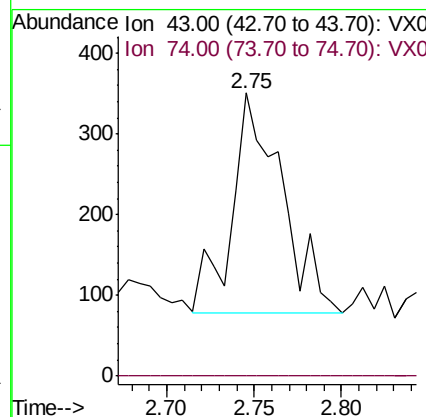
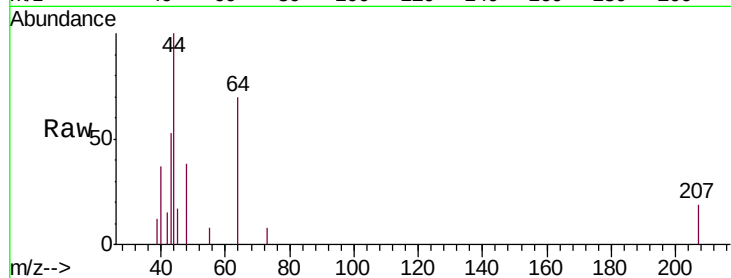




#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

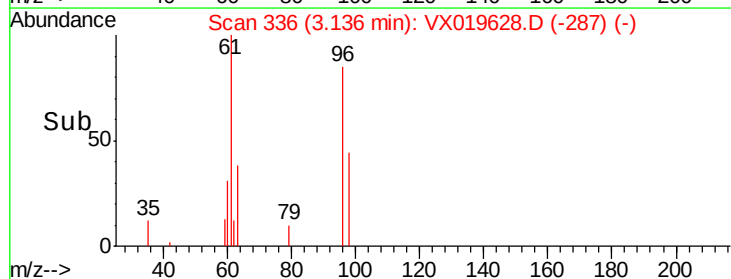
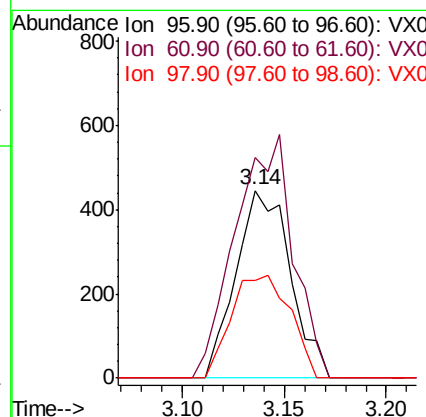
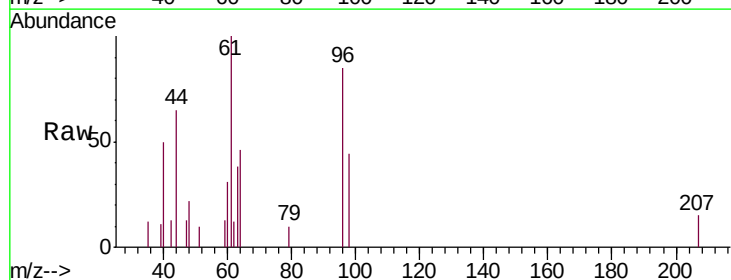
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20201119

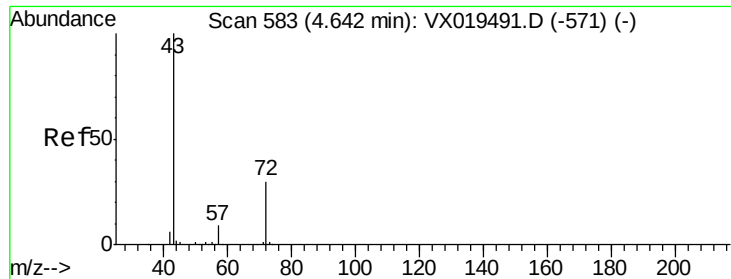
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#21
trans-1,2-Dichloroethene
Concen: 0.237 ug/l
RT: 3.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

Tgt Ion: 96 Resp: 827
Ion Ratio Lower Upper
96 100
61 118.0 102.9 154.3
98 51.9 52.1 78.1#





#25

2-Butanone

Concen: 0.594 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

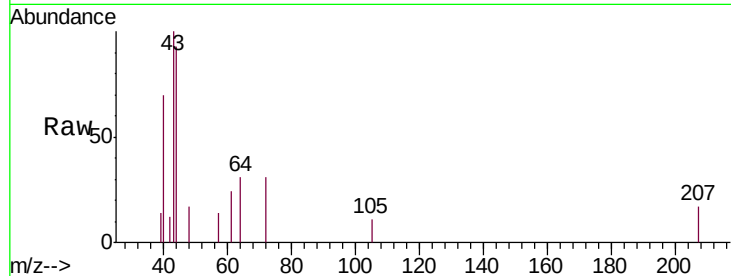
MH-140B-20201119

Tgt Ion: 43 Resp: 1388

Ion Ratio Lower Upper

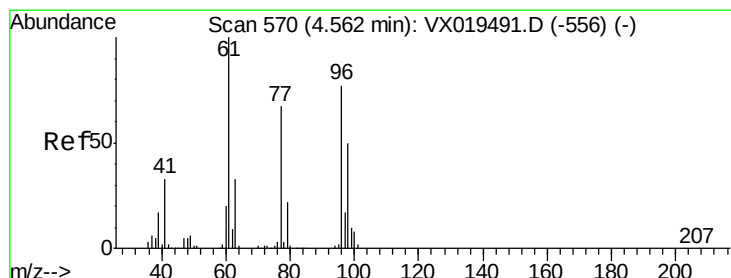
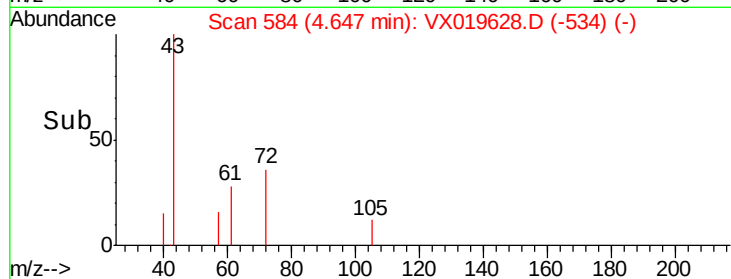
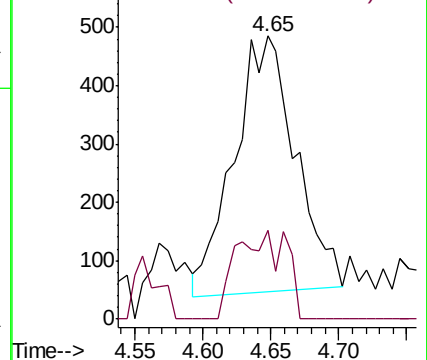
43 100

72 35.1 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 5.622 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

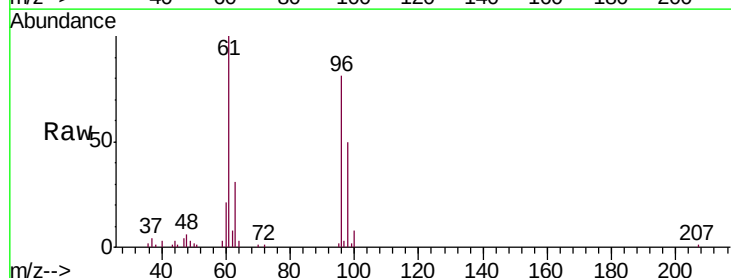
Tgt Ion: 96 Resp: 22554

Ion Ratio Lower Upper

96 100

61 127.3 0.0 279.2

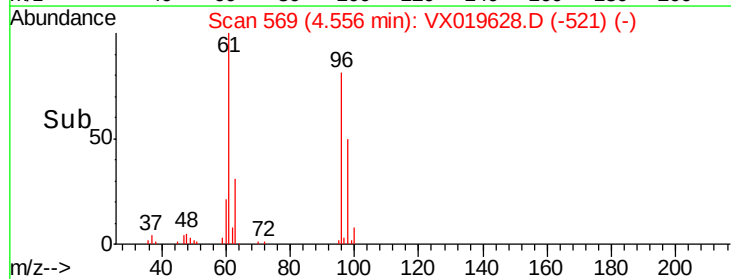
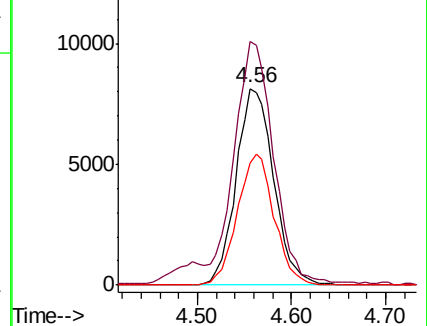
98 65.0 0.0 129.8

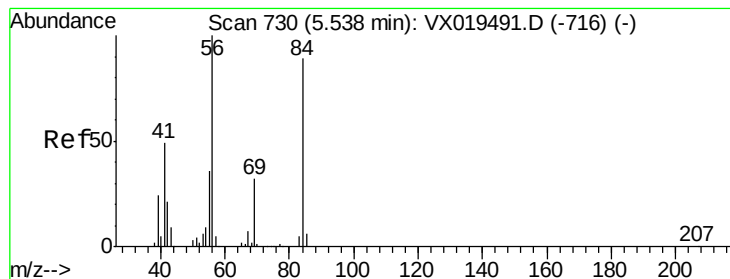


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

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MSVOA_X

ClientSampleId :

MH-140B-20201119

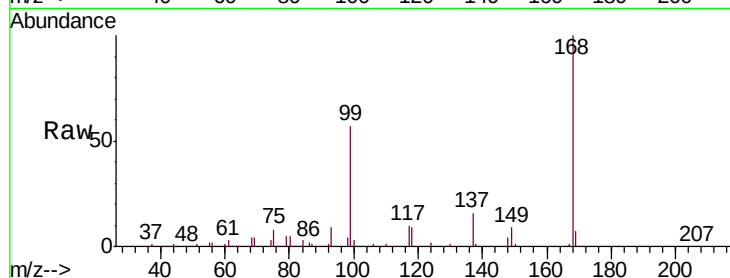
Tgt Ion: 56 Resp: 6013

Ion Ratio Lower Upper

56 100

69 196.4 25.5 38.3#

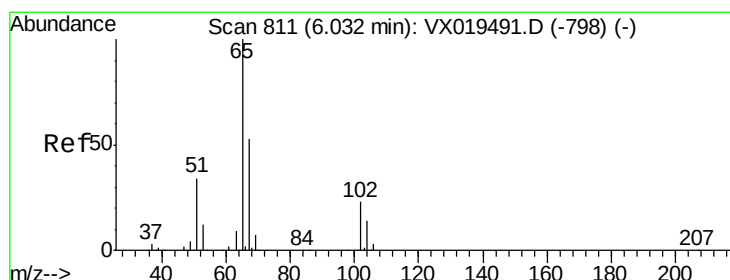
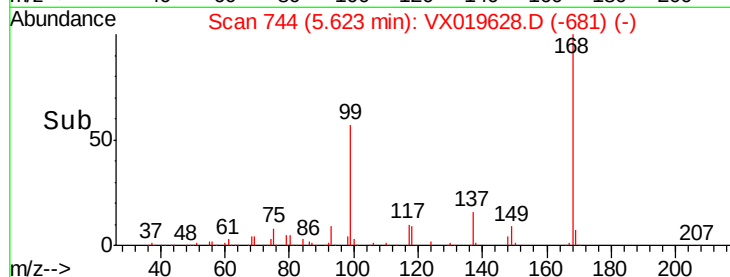
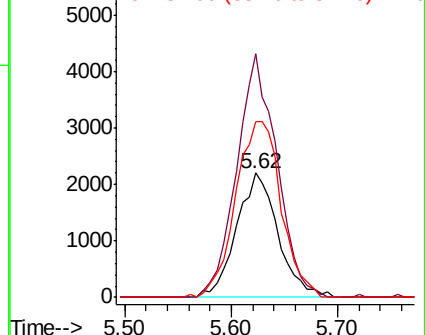
84 141.6 71.1 106.7#



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: 47.919 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019628.D

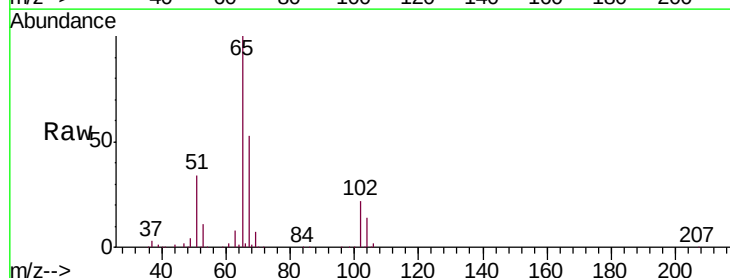
Acq: 25 Nov 2020 00:50

Tgt Ion: 65 Resp: 192908

Ion Ratio Lower Upper

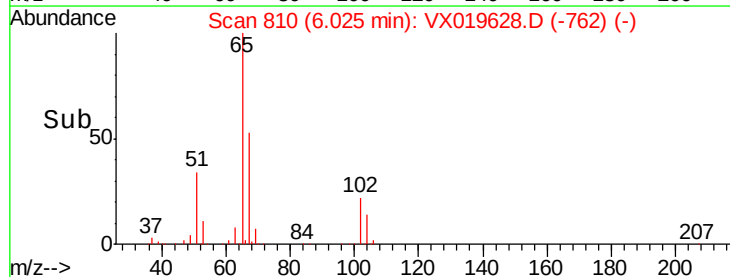
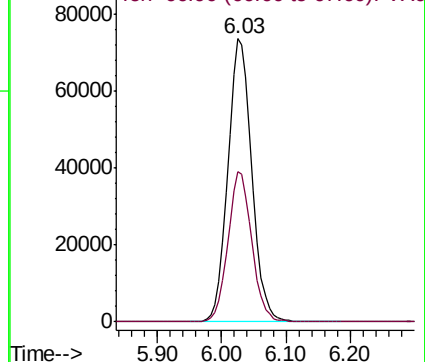
65 100

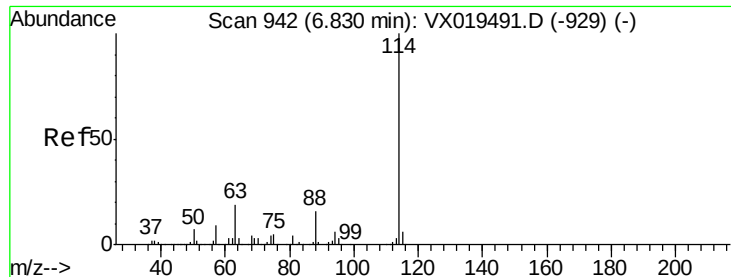
67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

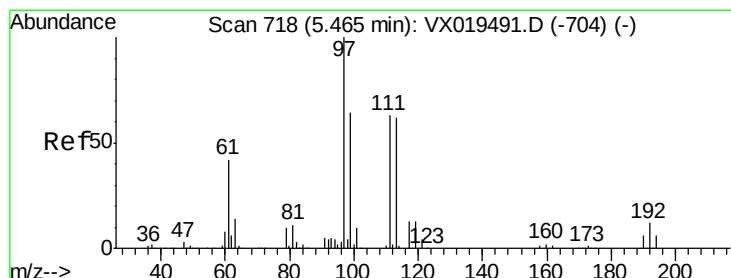
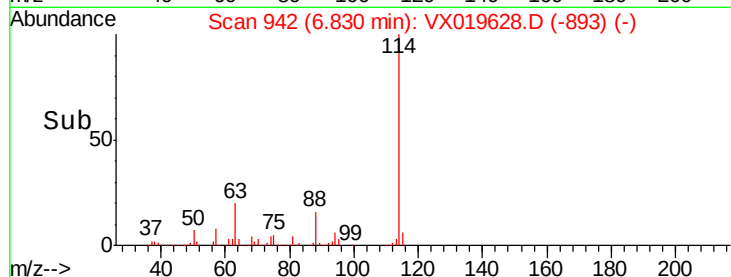
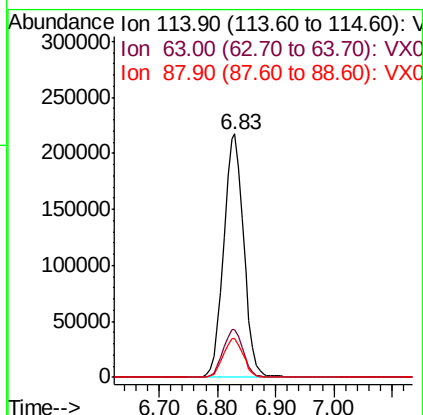
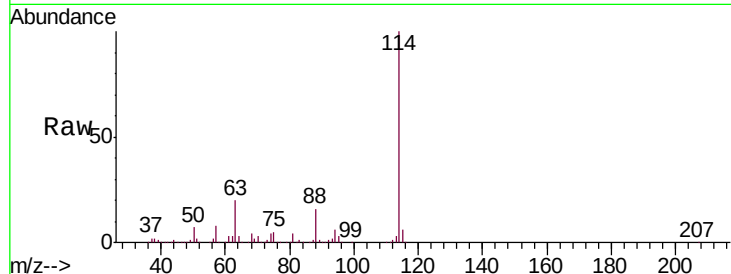




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019628.D
 Acq: 25 Nov 2020 00:50

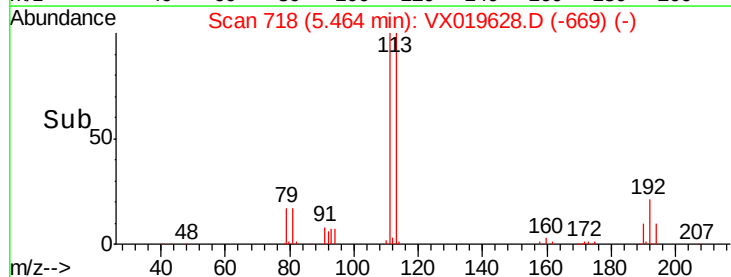
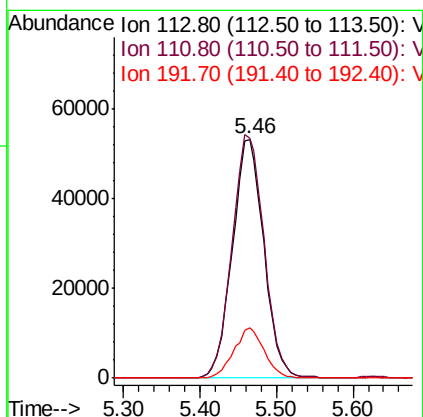
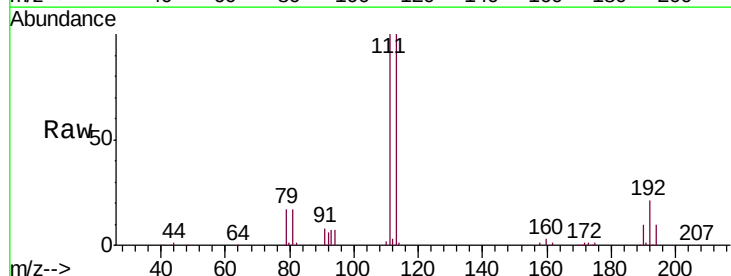
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20201119

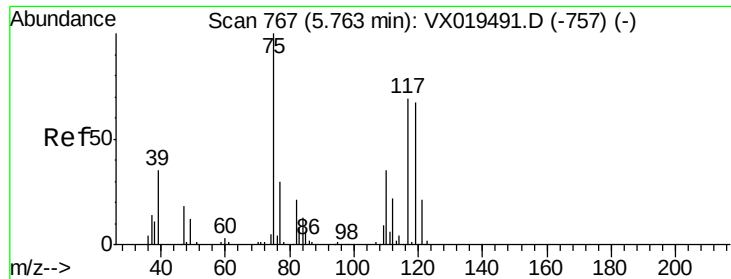
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.8
88	15.7	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 46.682 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019628.D
 Acq: 25 Nov 2020 00:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	20.2	16.2	24.2





#36

1,1-Dichloropropene

Concen: 4.855 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20201119

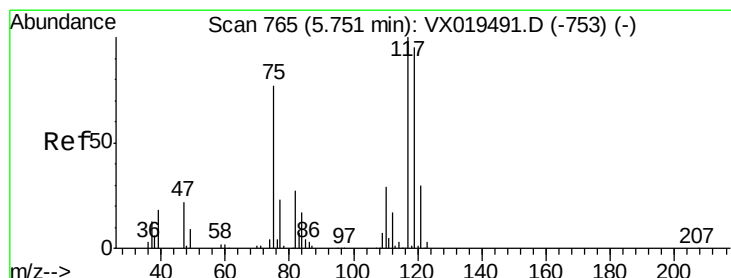
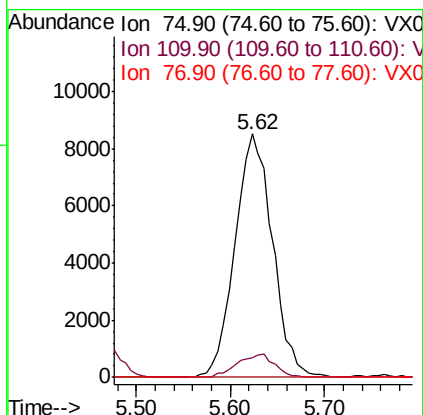
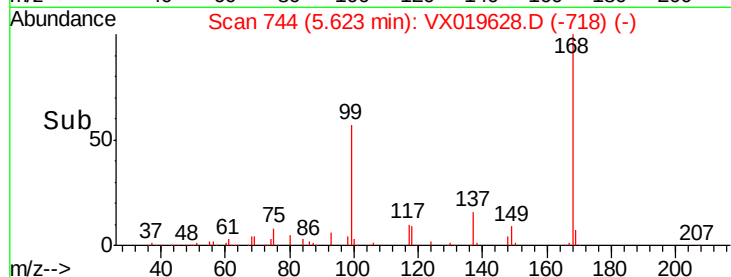
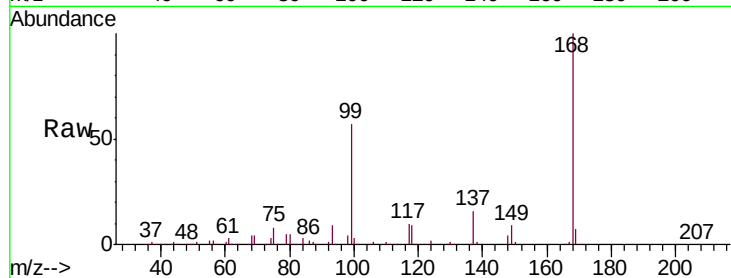
Tgt Ion: 75 Resp: 23558

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.569 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

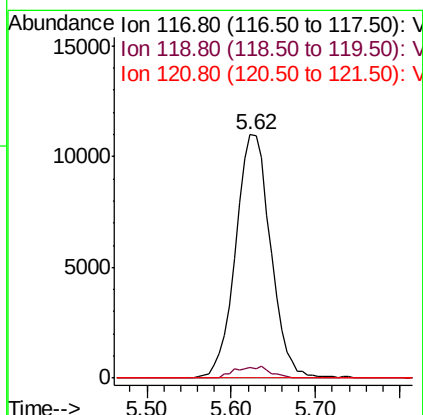
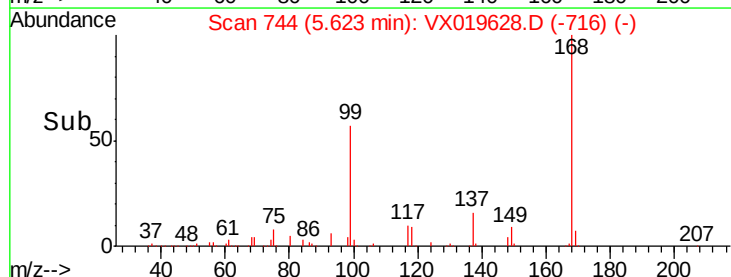
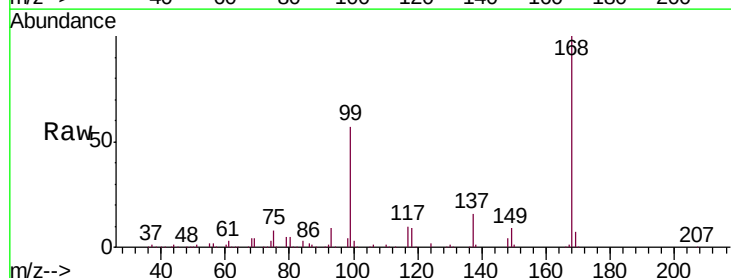
Tgt Ion: 117 Resp: 30855

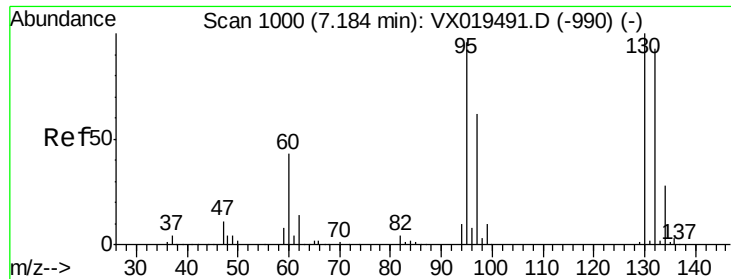
Ion Ratio Lower Upper

117 100

119 4.3 75.9 113.9#

121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 12.563 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

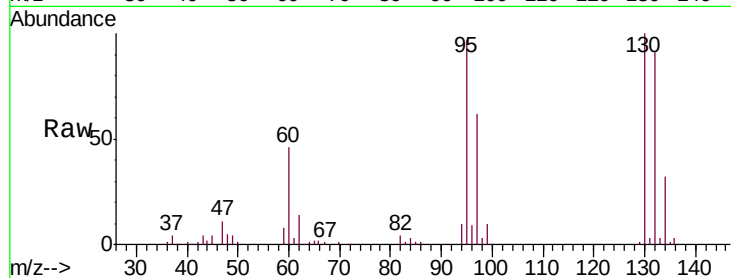
MH-140B-20201119

Tgt Ion:130 Resp: 49062

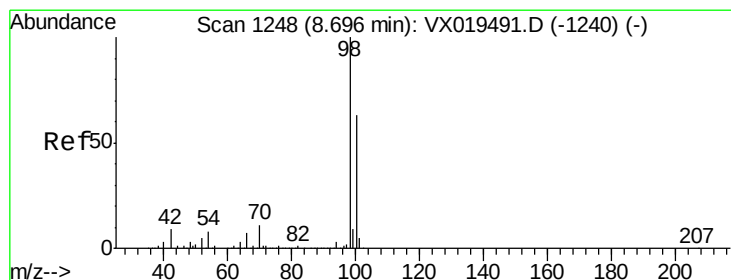
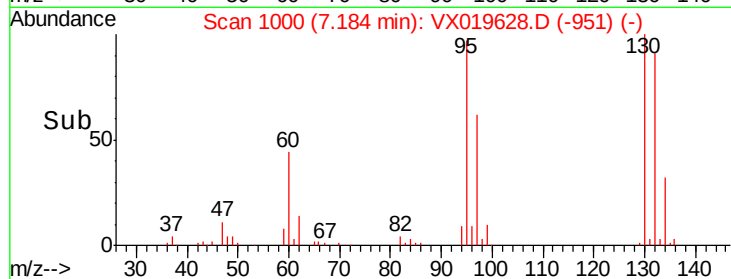
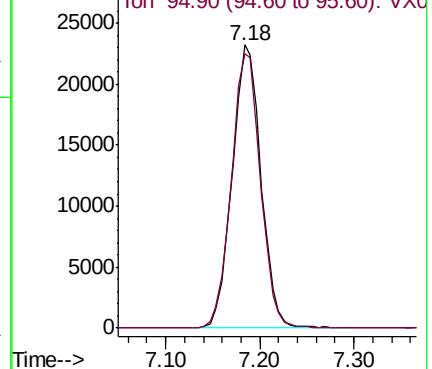
Ion Ratio Lower Upper

130 100

95 96.9 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 48.937 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019628.D

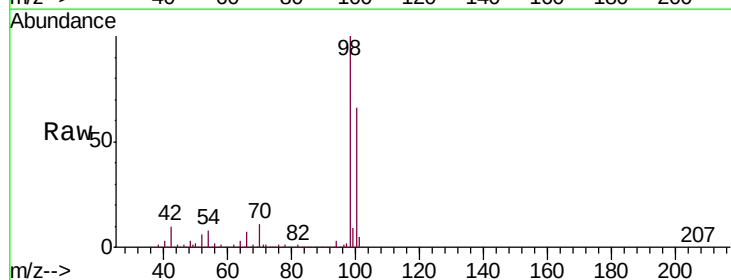
Acq: 25 Nov 2020 00:50

Tgt Ion: 98 Resp: 617829

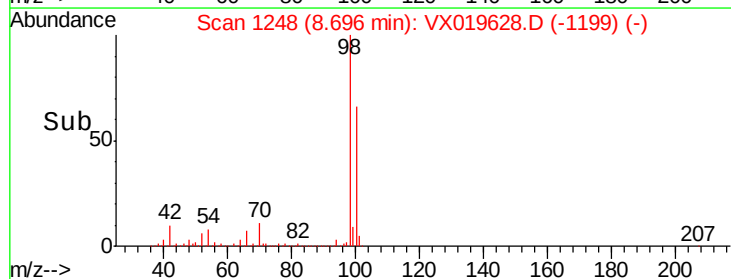
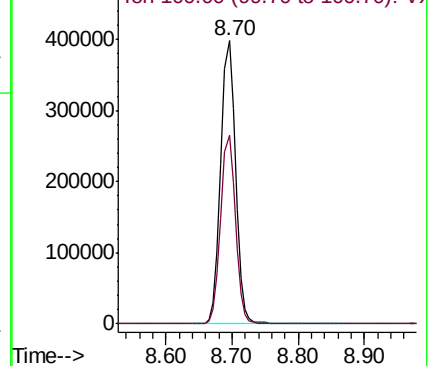
Ion Ratio Lower Upper

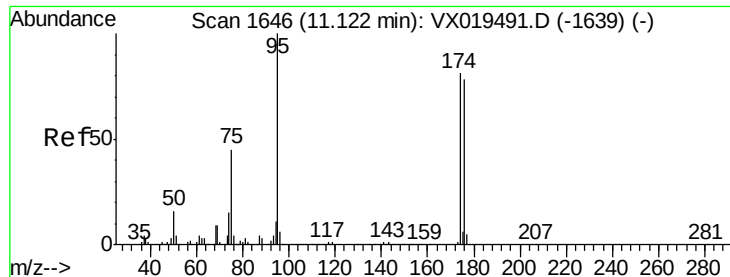
98 100

100 66.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

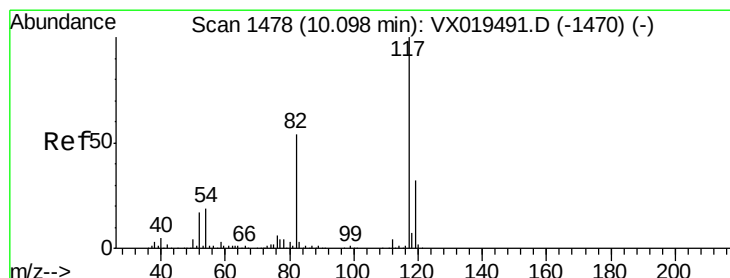
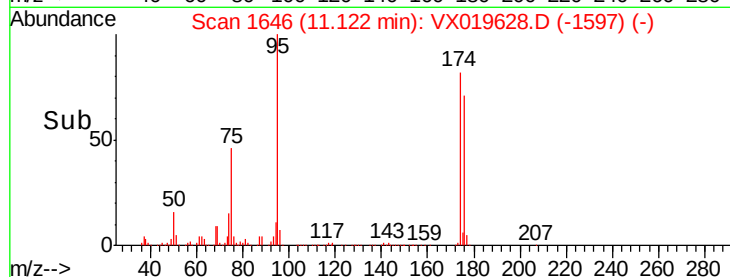
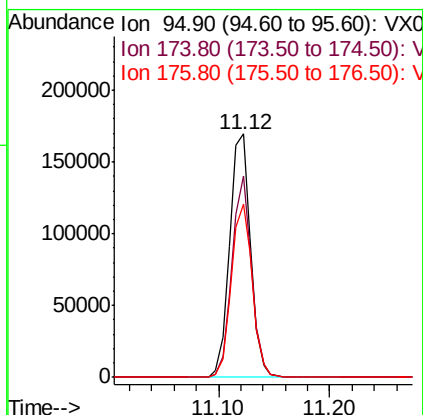
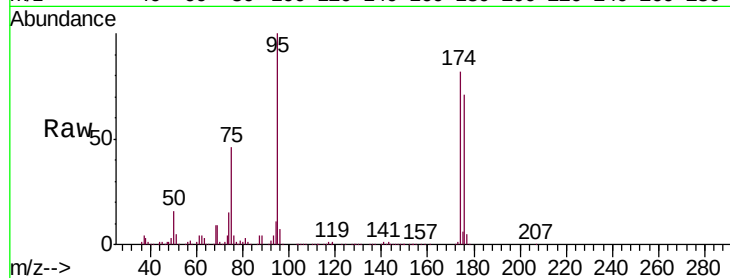




#62
4-Bromofluorobenzene
Concen: 48.299 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

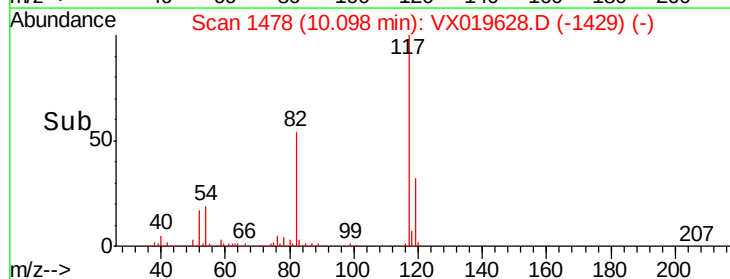
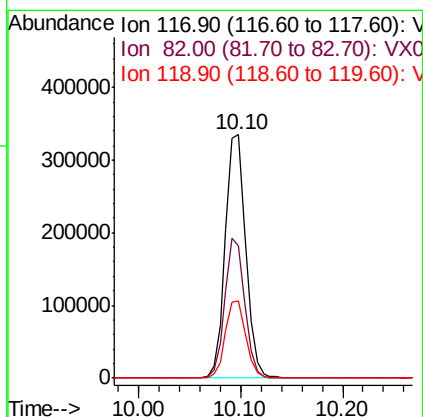
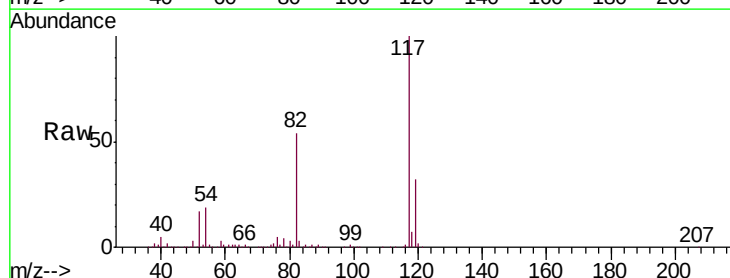
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20201119

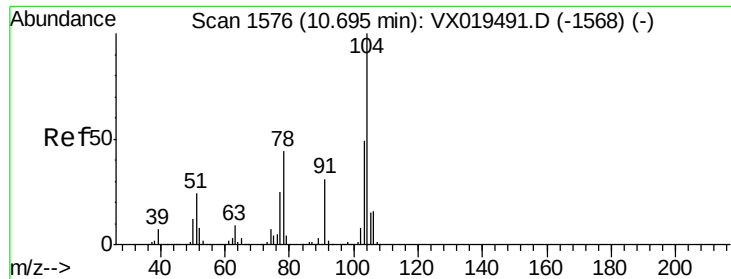
Tgt Ion: 95 Resp: 219386
Ion Ratio Lower Upper
95 100
174 77.8 0.0 156.2
176 71.3 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019628.D
Acq: 25 Nov 2020 00:50

Tgt Ion: 117 Resp: 467320
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 31.8 25.6 38.4





#70

Styrene

Concen: 1.668 ug/l

RT: 10.70 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20201119

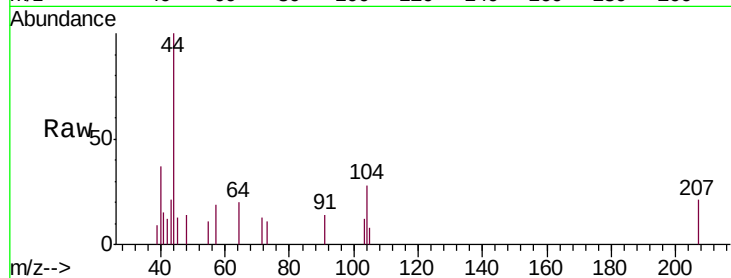
Tgt Ion:104 Resp: 258

Ion Ratio Lower Upper

104 100

78 8.1 39.5 59.3#

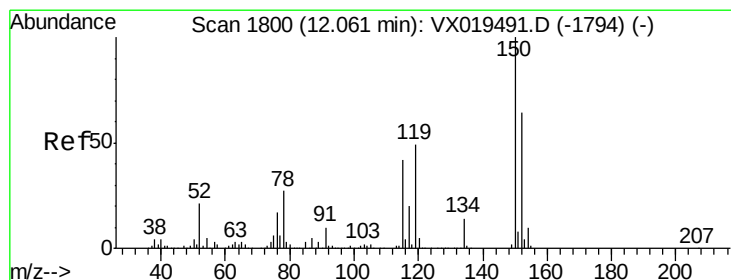
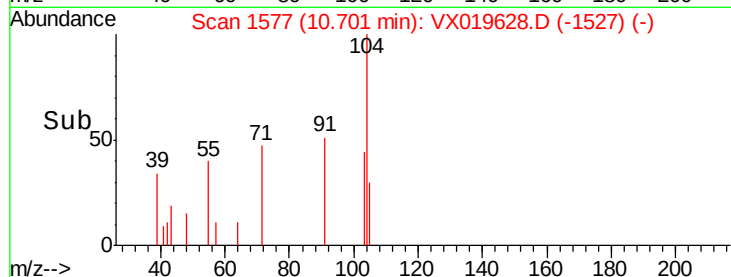
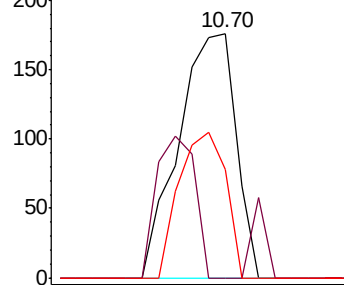
103 48.4 43.6 65.4



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: VX019628.D

Acq: 25 Nov 2020 00:50

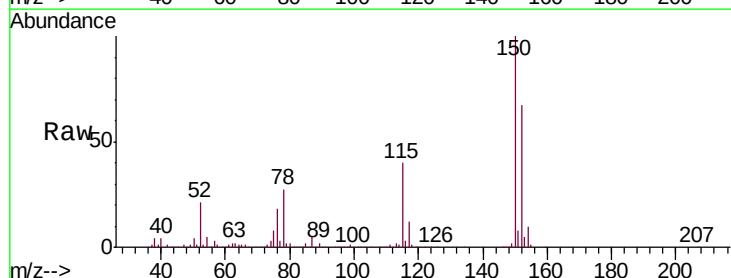
Tgt Ion:152 Resp: 195255

Ion Ratio Lower Upper

152 100

115 60.0 41.8 125.4

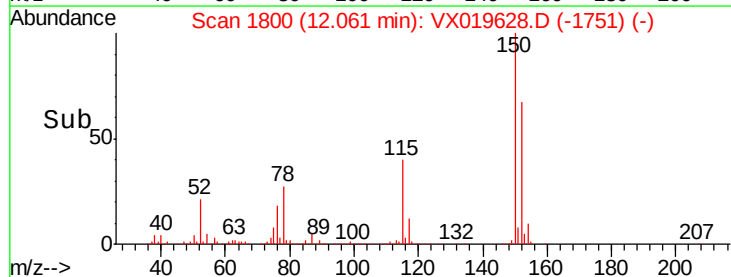
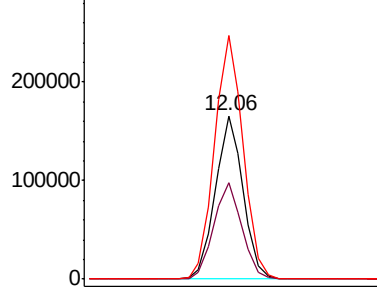
150 154.7 0.0 348.2

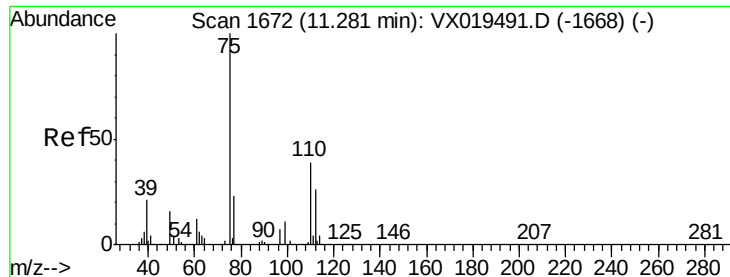


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.779 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

Instrument :

MSVOA_X

ClientSampleId :

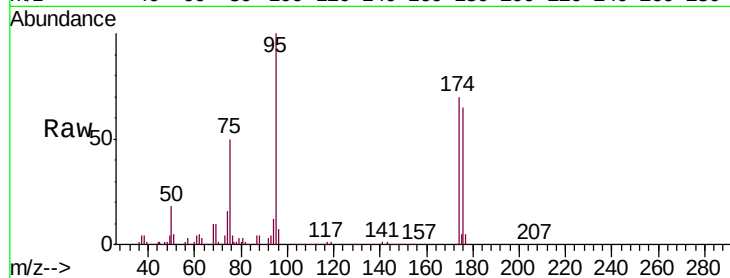
MH-140B-20201119

Tgt Ion: 75 Resp: 105588

Ion Ratio Lower Upper

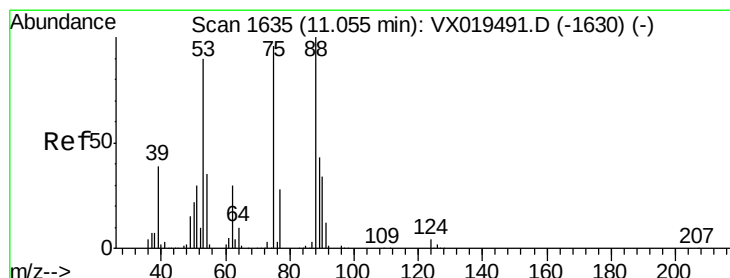
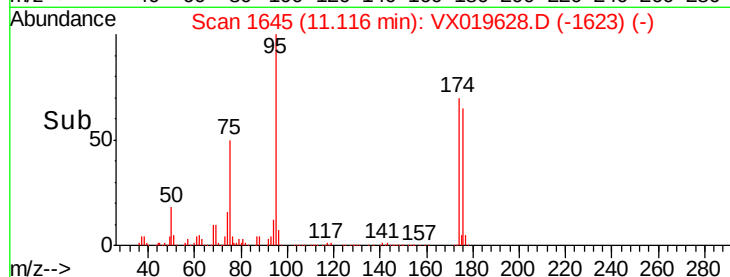
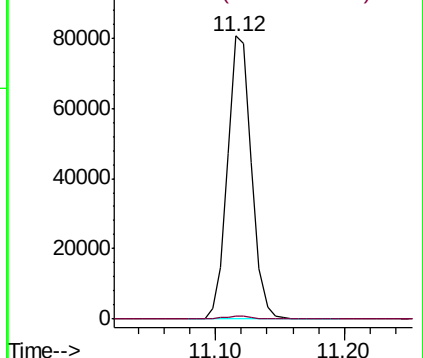
75 100

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: 65.494 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019628.D

Acq: 25 Nov 2020 00:50

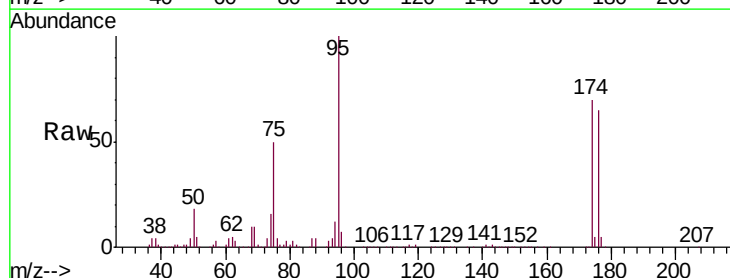
Tgt Ion: 75 Resp: 105588

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

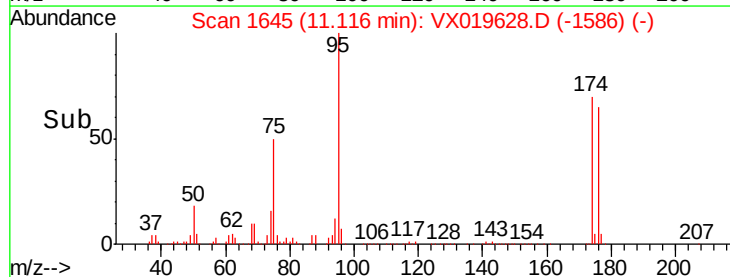
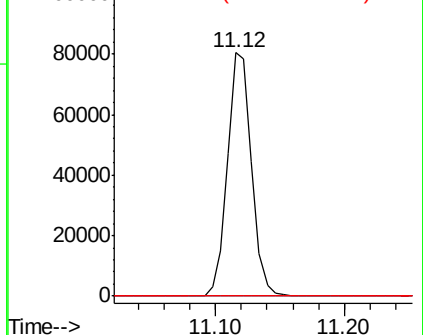
89 0.0 37.3 55.9#

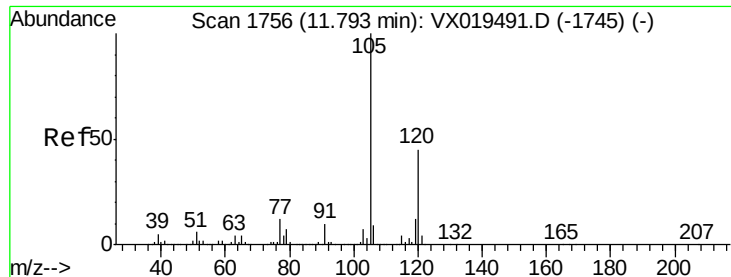


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

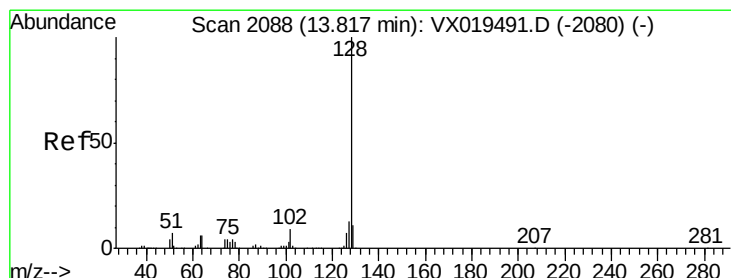
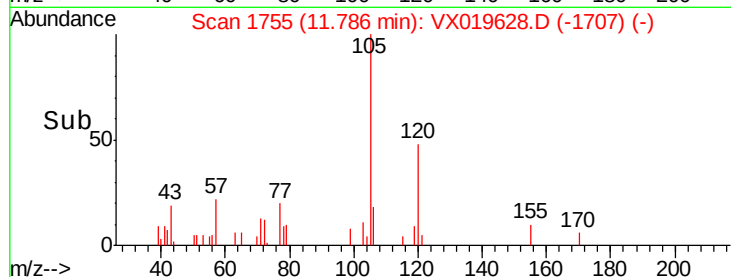
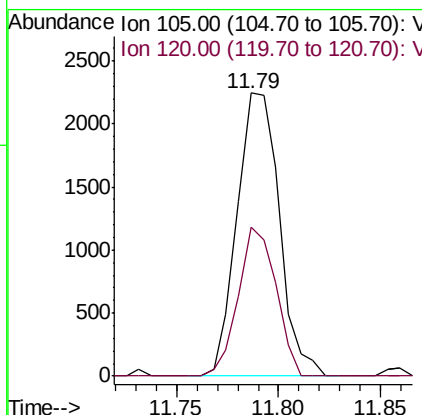
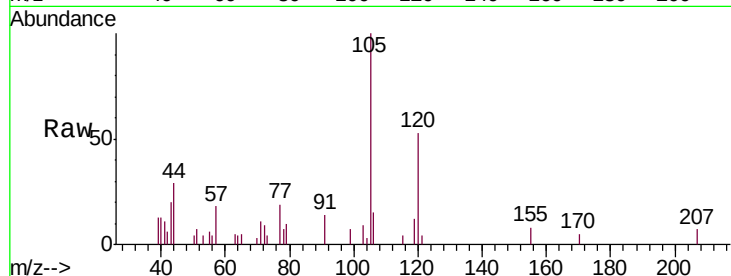




#84
 1,2,4-Trimethylbenzene
 Concen: 0.282 ug/l
 RT: 11.79 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VX019628.D
 Acq: 25 Nov 2020 00:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20201119

Tgt Ion:105 Resp: 3238
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.2 66.6



#95
 Naphthalene
 Concen: 2.472 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019628.D
 Acq: 25 Nov 2020 00:50

Tgt Ion:128 Resp: 4420
 Ion Ratio Lower Upper
 128 100
 127 15.0 10.3 15.5
 129 19.9 8.7 13.1#

