

Data File : VX019640.D
Acq On : 25 Nov 2020 05:28
Operator : JC/MD
Sample : L4835-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-125.9T-20201119

Quant Time: Nov 25 06:59:29 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	292581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	485672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	445195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	178464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	182633	48.14	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.28%		
35) Dibromofluoromethane	5.46	113	143679	47.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.26%		
50) Toluene-d8	8.70	98	583532	49.26	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.52%		
62) 4-Bromofluorobenzene	11.12	95	206353	48.41	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.82%		

Target Compounds

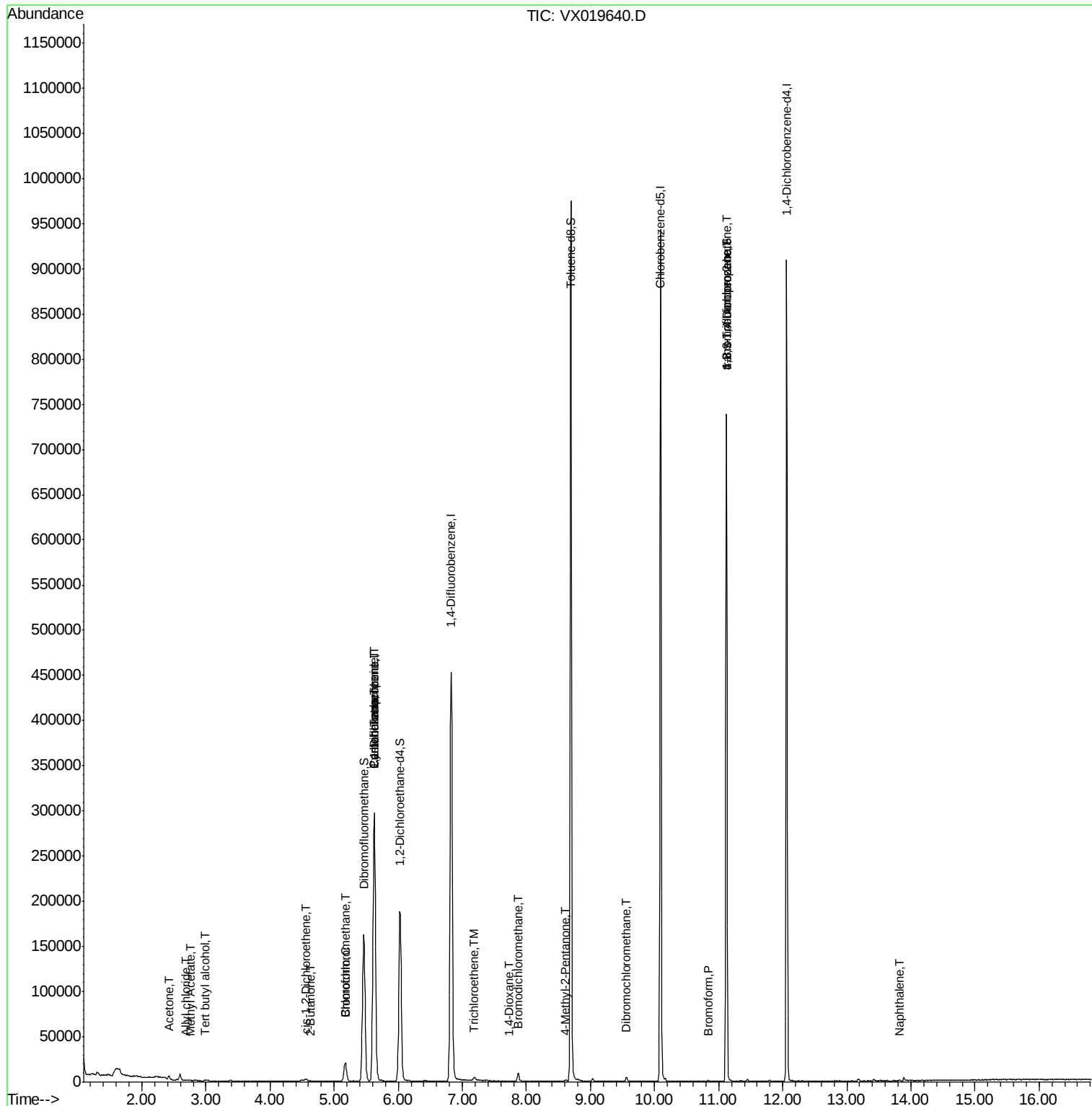
					Qvalue	
6) Chloroethane	1.67	64	861	Below Cal	#	48
11) Tert butyl alcohol	3.00	59	528	0.735	ug/l #	73
14) Allyl chloride	2.69	41	973	0.214	ug/l #	43
16) Acetone	2.42	43	4372	2.980	ug/l	96
18) Methyl Acetate	2.75	43	342	0.728	ug/l #	74
25) 2-Butanone	4.64	43	772	0.350	ug/l #	45
27) cis-1,2-Dichloroethene	4.56	96	1424	0.377	ug/l	75
28) Bromochloromethane	5.17	49	2006	0.729	ug/l #	8
30) Chloroform	5.17	83	24888	4.134	ug/l	99
31) Cyclohexane	5.62	56	5725	1.160	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22271	4.891	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28749	6.523	ug/l #	16
44) Trichloroethene	7.18	130	1111	0.303	ug/l	87
47) Bromodichloromethane	7.88	83	5872	1.284	ug/l	98
49) 1,4-Dioxane	7.72	88	153	2.002	ug/l #	28
51) 4-Methyl-2-Pentanone	8.61	43	1226	0.293	ug/l #	32
60) Dibromochloromethane	9.57	129	2008	0.588	ug/l	96
71) Bromoform	10.84	173	256	3.687	ug/l #	28
76) 1,2,3-Trichloropropane	11.12	75	99907	25.652	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99907	67.652	ug/l #	12
95) Naphthalene	13.82	128	266	2.197	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

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Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

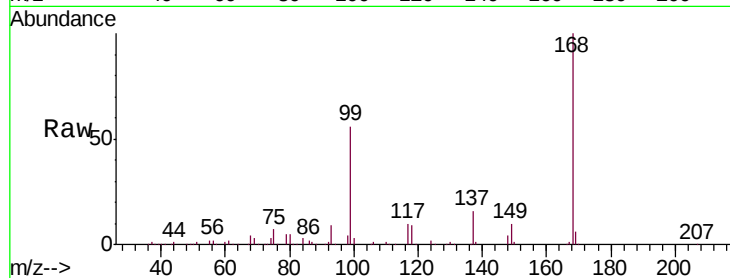
MH-125.9T-20201119

Tgt Ion:168 Resp: 292581

Ion Ratio Lower Upper

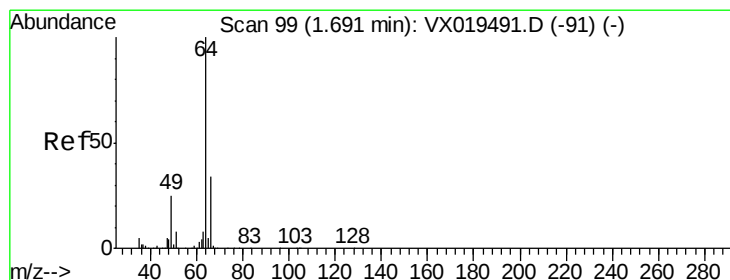
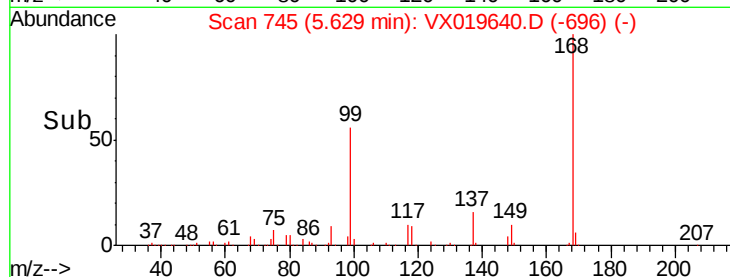
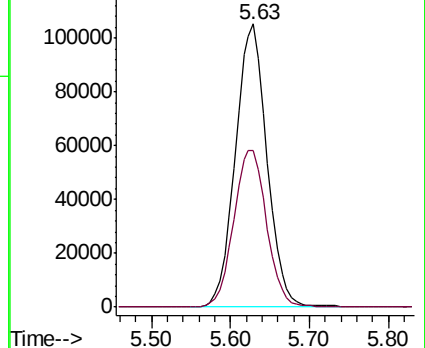
168 100

99 55.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 96

Delta R.T. -0.02 min

Lab File: VX019640.D

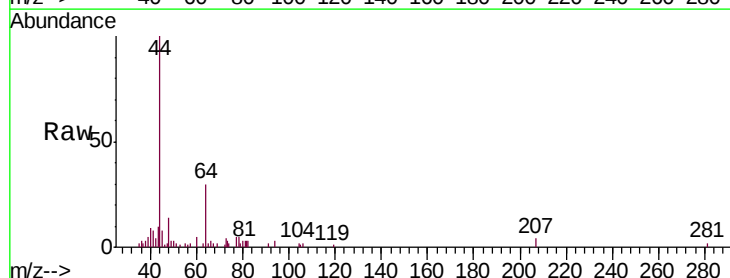
Acq: 25 Nov 2020 05:28

Tgt Ion: 64 Resp: 861

Ion Ratio Lower Upper

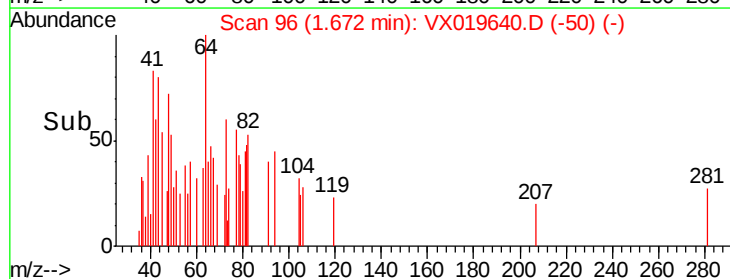
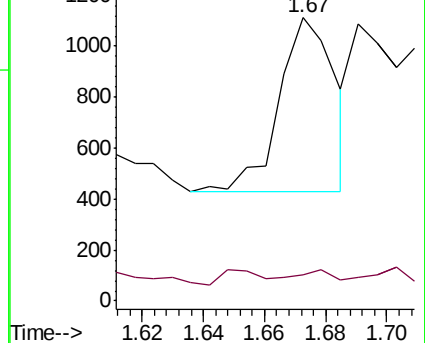
64 100

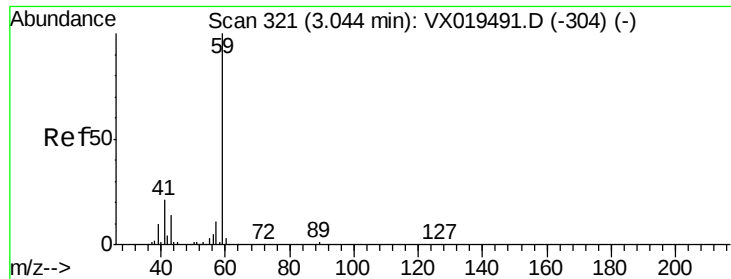
66 4.4 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

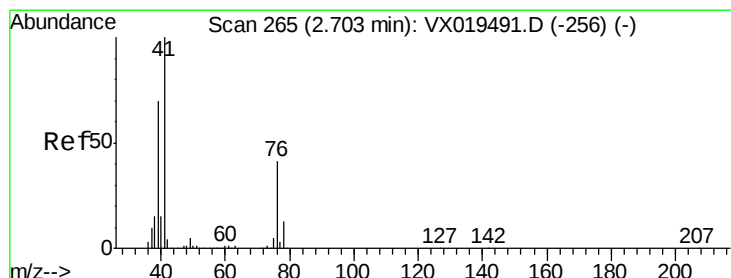
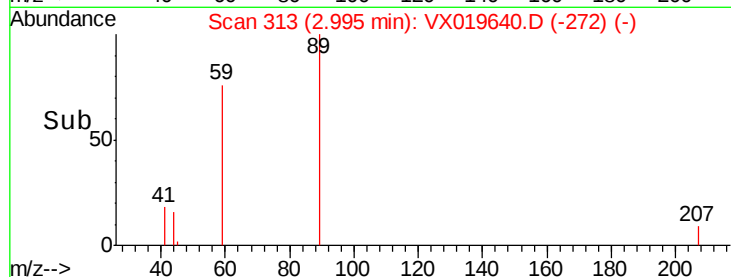
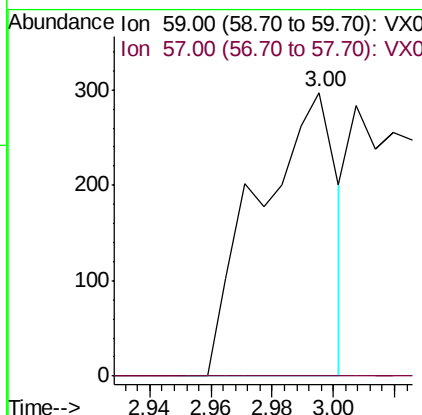
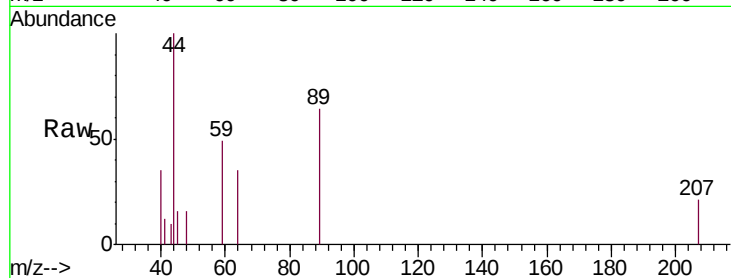




#11
Tert butyl alcohol
Concen: 0.735 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.05 min
Lab File: VX019640.D
Acq: 25 Nov 2020 05:28

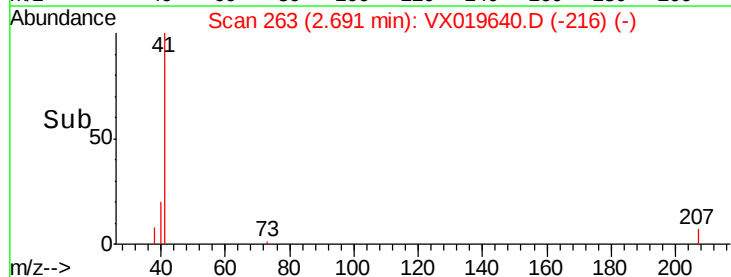
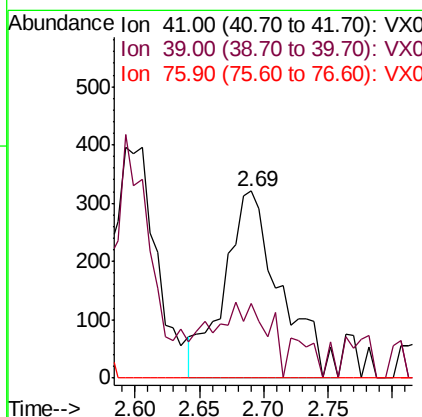
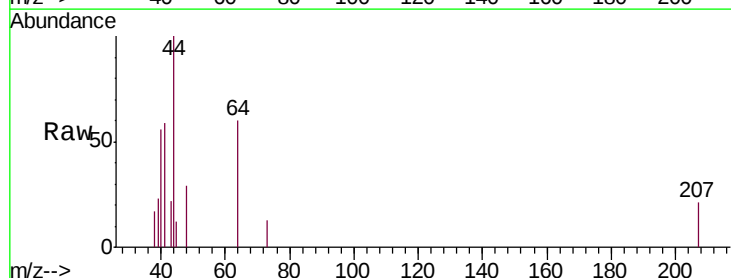
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9T-20201119

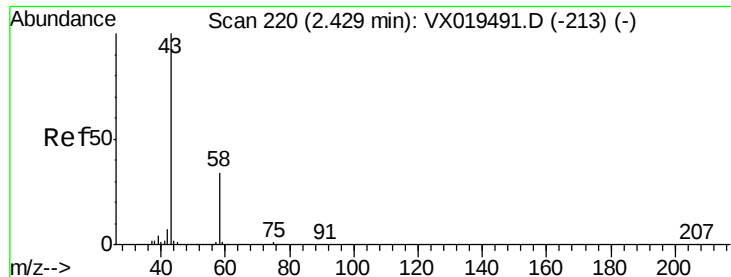
Tgt Ion: 59 Resp: 528
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 0.214 ug/l
RT: 2.69 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX019640.D
Acq: 25 Nov 2020 05:28

Tgt Ion: 41 Resp: 973
Ion Ratio Lower Upper
41 100
39 23.8 53.0 79.4#
76 0.0 31.0 46.6#





#16

Acetone

Concen: 2.980 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

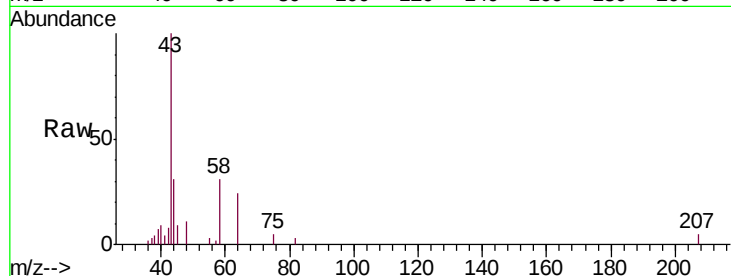
MH-125.9T-20201119

Tgt Ion: 43 Resp: 4372

Ion Ratio Lower Upper

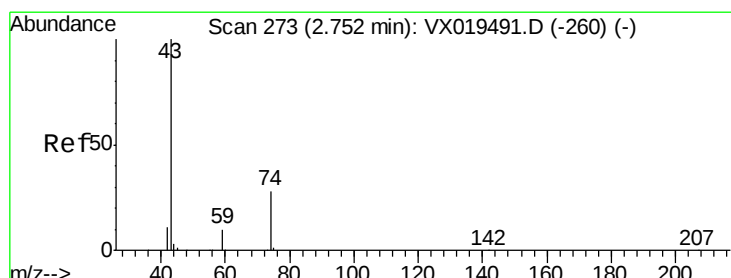
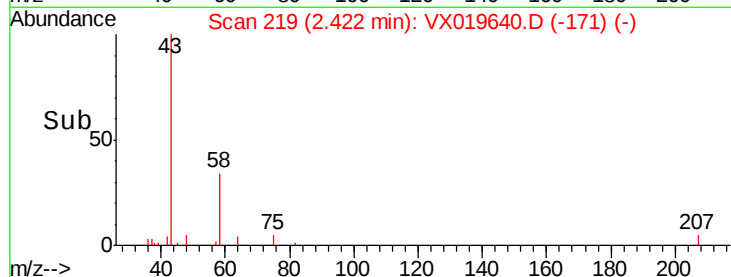
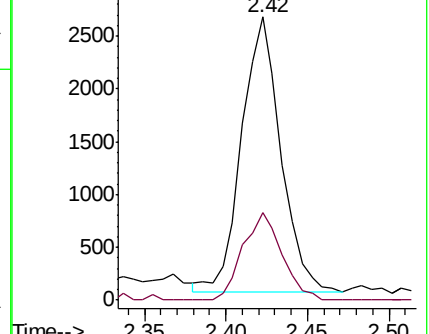
43 100

58 31.8 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: 0.728 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019640.D

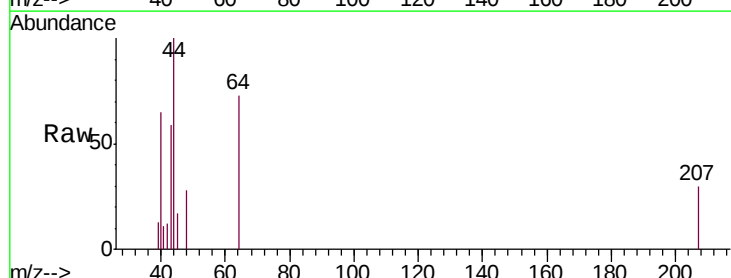
Acq: 25 Nov 2020 05:28

Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

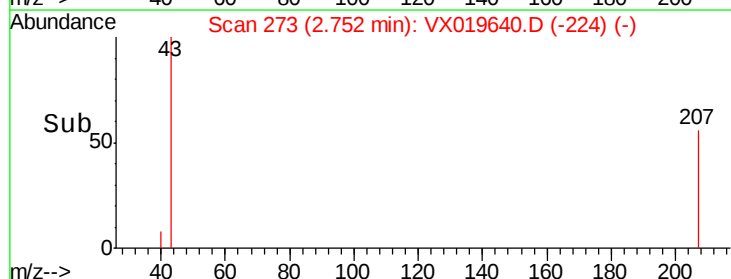
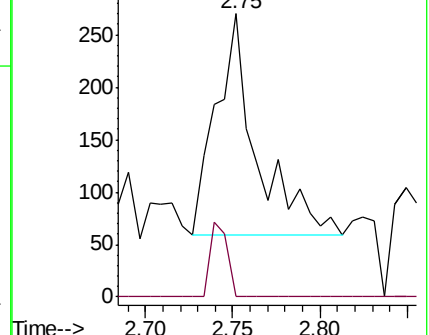
43 100

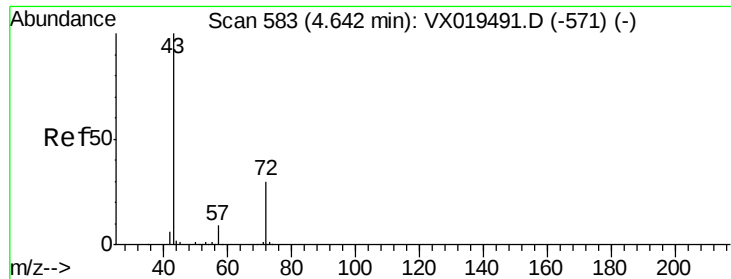
74 14.0 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.350 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

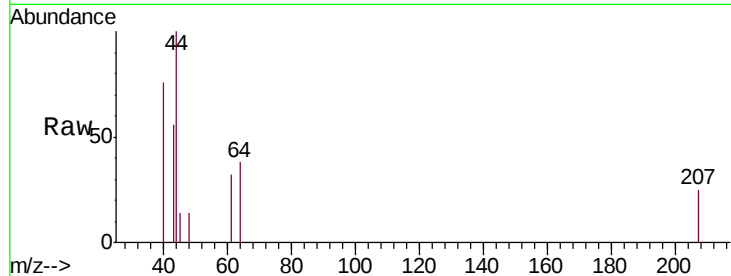
MH-125.9T-20201119

Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

43 100

72 0.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

100

50

0

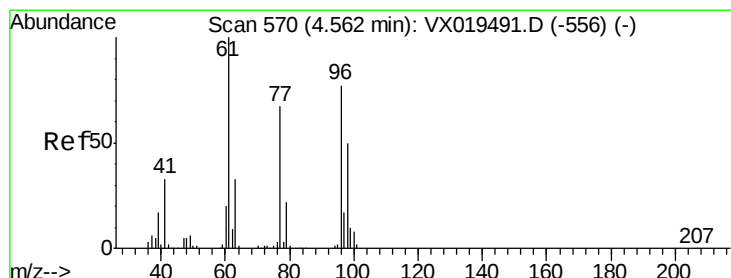
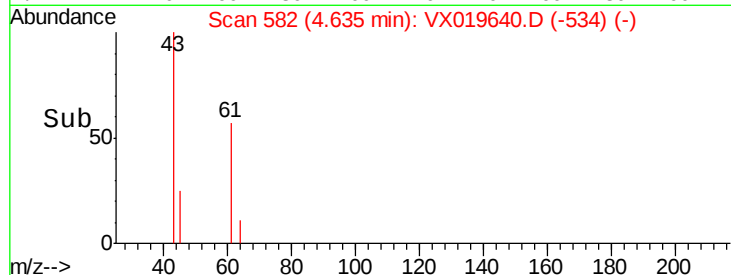
4.55

4.60

4.65

4.70

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.377 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

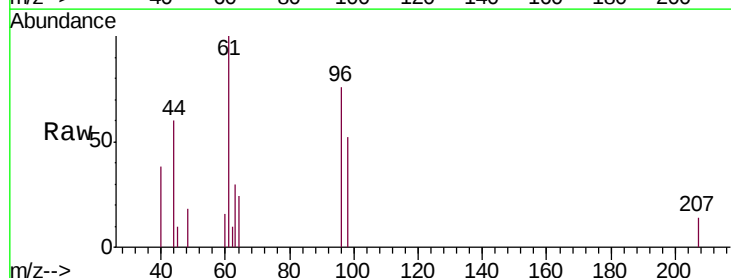
Tgt Ion: 96 Resp: 1424

Ion Ratio Lower Upper

96 100

61 184.4 0.0 279.2

98 65.1 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

1200

1000

800

600

400

200

0

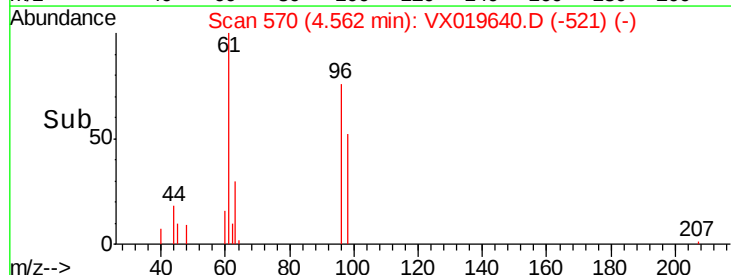
4.50

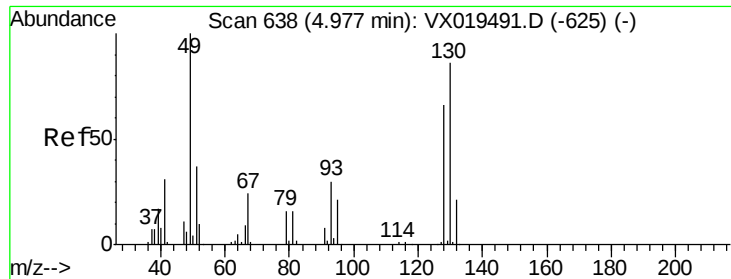
4.55

4.60

4.65

Time-->





#28

Bromochloromethane

Concen: 0.729 ug/l

RT: 5.17 min Scan# 670

Delta R.T. 0.20 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

MH-125.9T-20201119

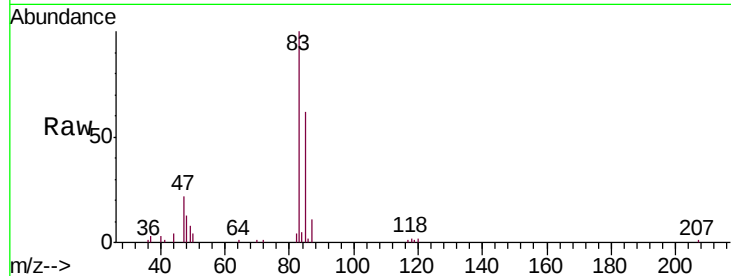
Tgt Ion: 49 Resp: 2006

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

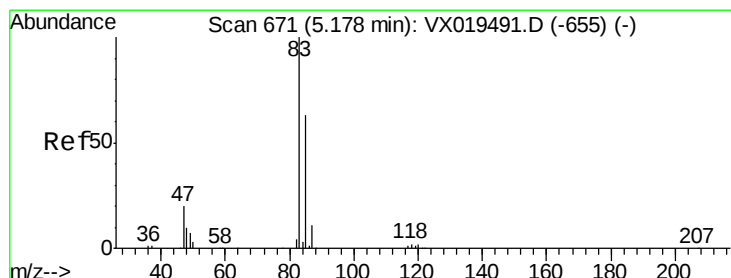
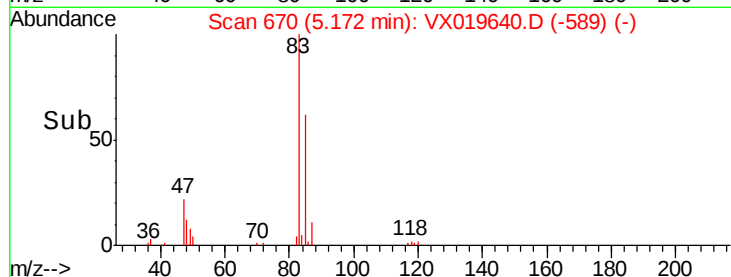
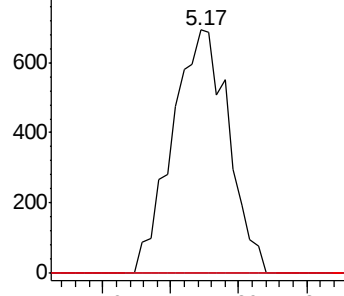
130 0.0 69.0 103.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 4.134 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019640.D

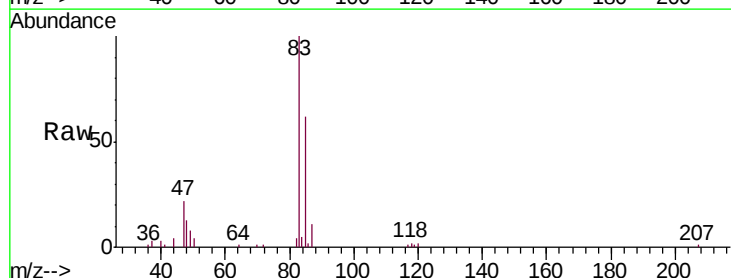
Acq: 25 Nov 2020 05:28

Tgt Ion: 83 Resp: 24888

Ion Ratio Lower Upper

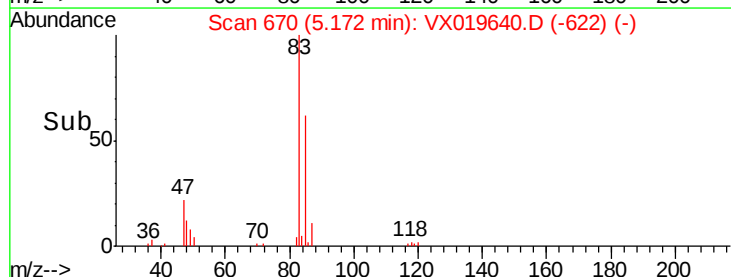
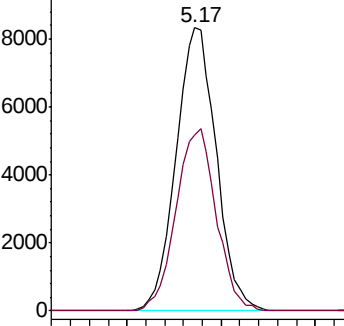
83 100

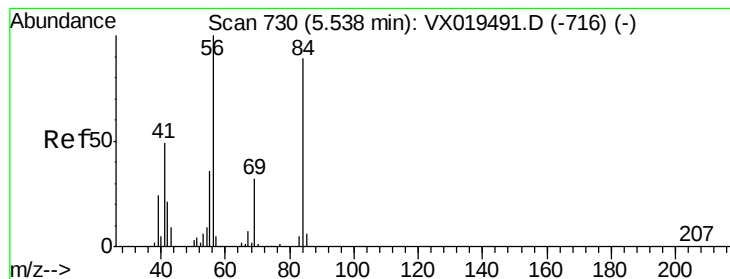
85 62.0 50.5 75.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.160 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019640.D

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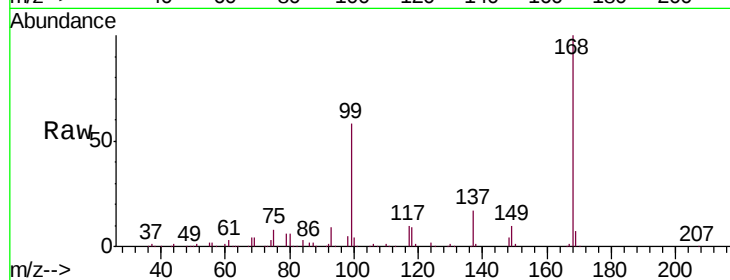
Tgt Ion: 56 Resp: 5725

Ion Ratio Lower Upper

56 100

69 175.4 25.5 38.3#

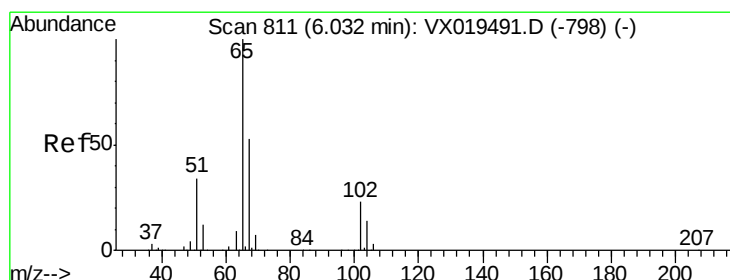
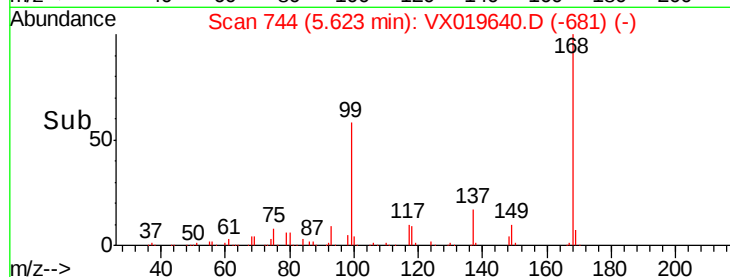
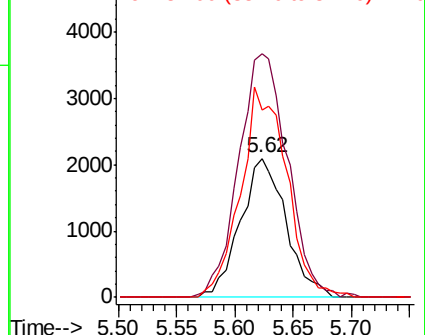
84 134.8 71.1 106.7#



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: 48.143 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019640.D

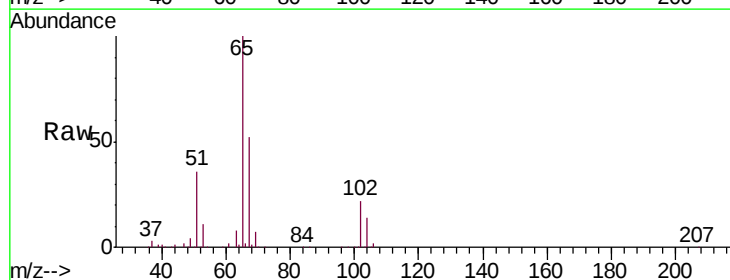
Acq: 25 Nov 2020 05:28

Tgt Ion: 65 Resp: 182633

Ion Ratio Lower Upper

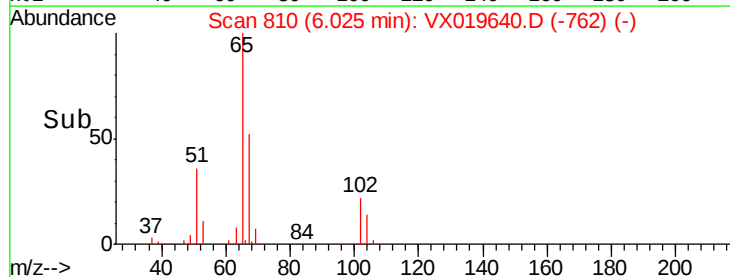
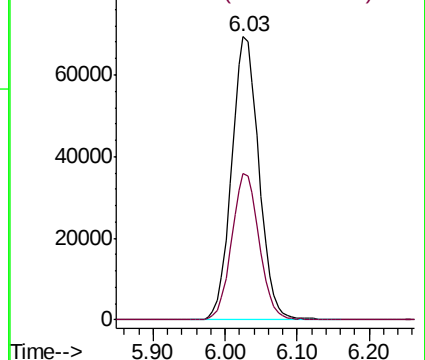
65 100

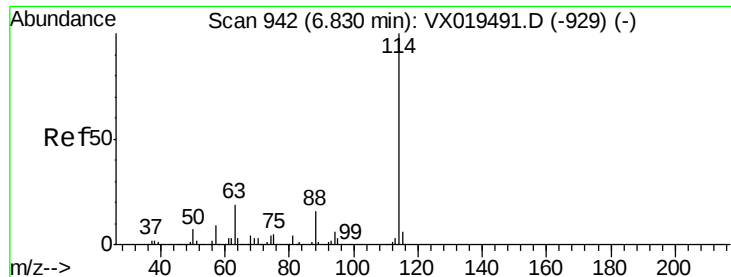
67 52.1 0.0 105.0



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: VX019640.D

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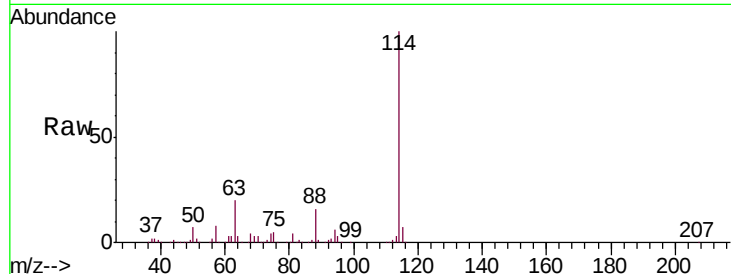
Tgt Ion:114 Resp: 485672

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

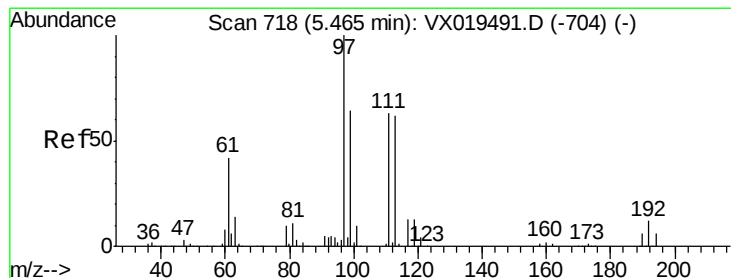
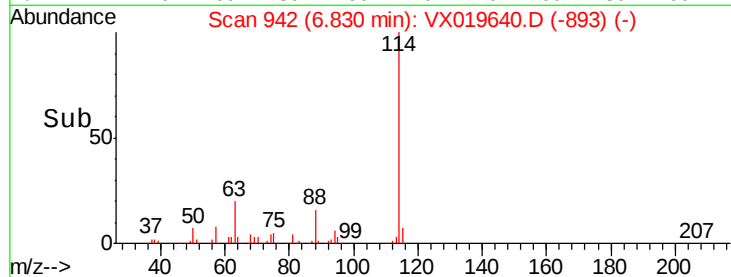
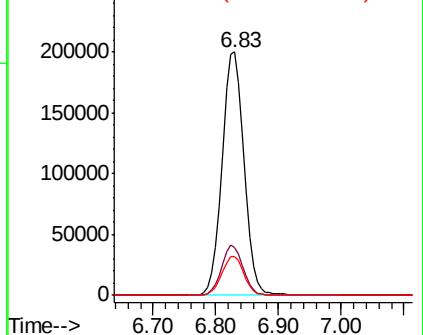
88 16.1 0.0 31.6



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: 47.130 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

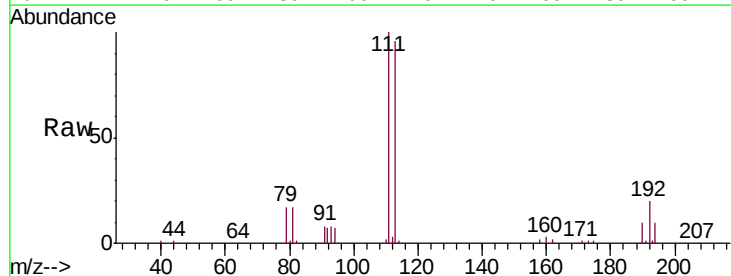
Tgt Ion:113 Resp: 143679

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

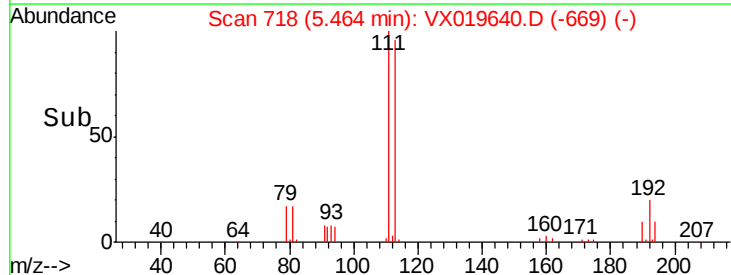
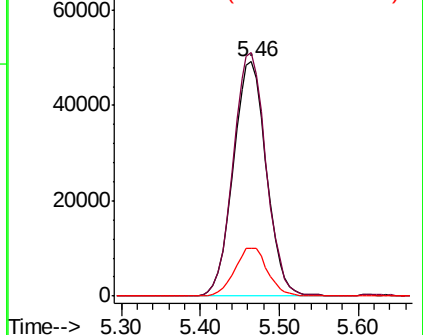
192 20.4 16.2 24.2

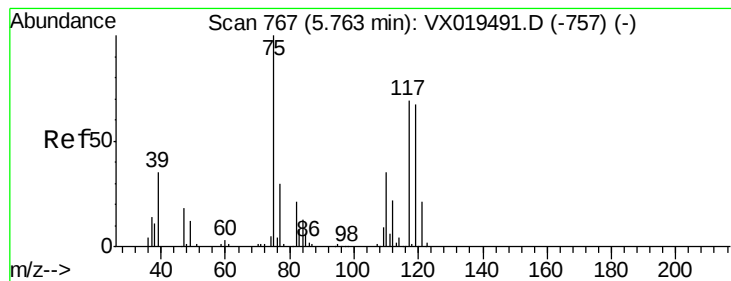


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.891 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

MH-125.9T-20201119

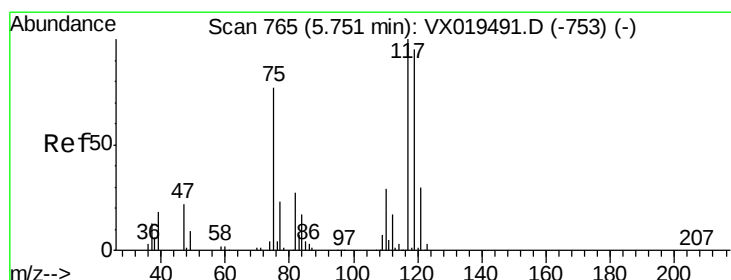
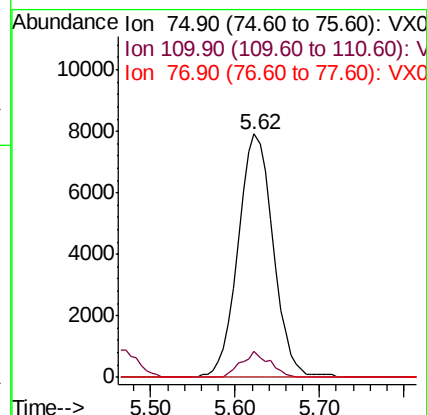
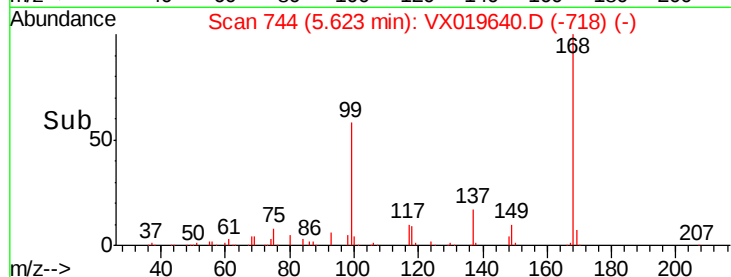
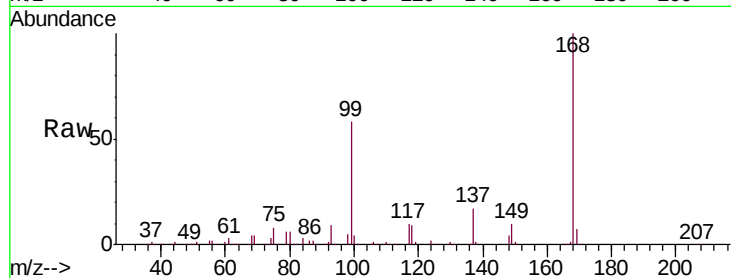
Tgt Ion: 75 Resp: 22271

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.523 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

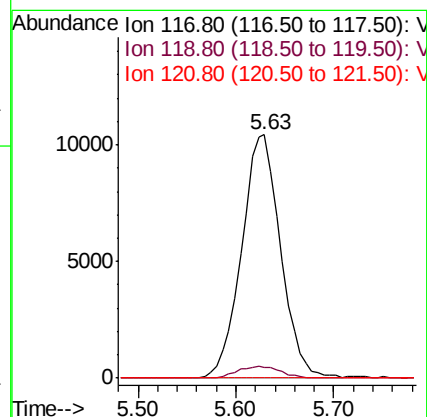
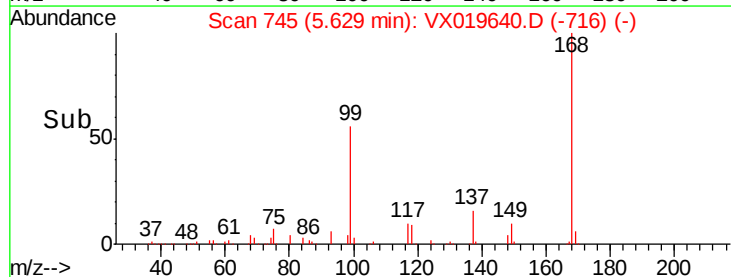
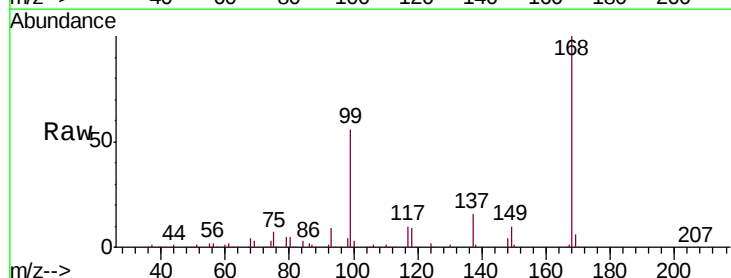
Tgt Ion: 117 Resp: 28749

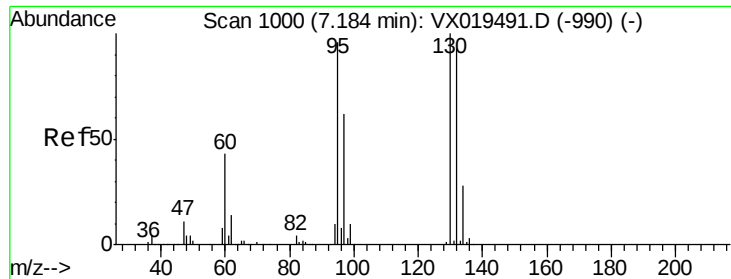
Ion Ratio Lower Upper

117 100

119 4.6 75.9 113.9#

121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 0.303 ug/l

RT: 7.18 min Scan# 999

Delta R.T. -0.01 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

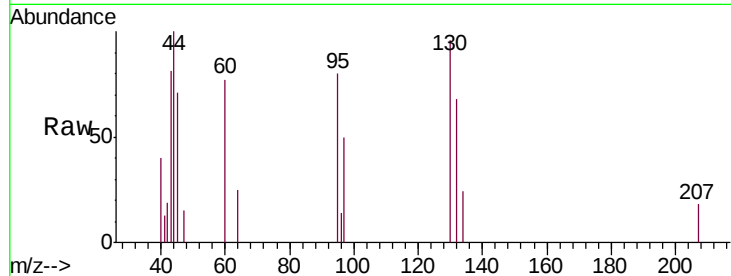
MH-125.9T-20201119

Tgt Ion: 130 Resp: 1111

Ion Ratio Lower Upper

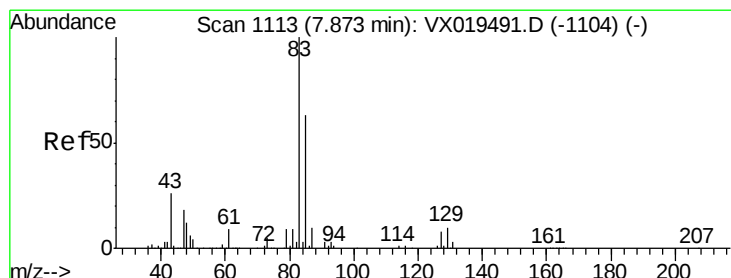
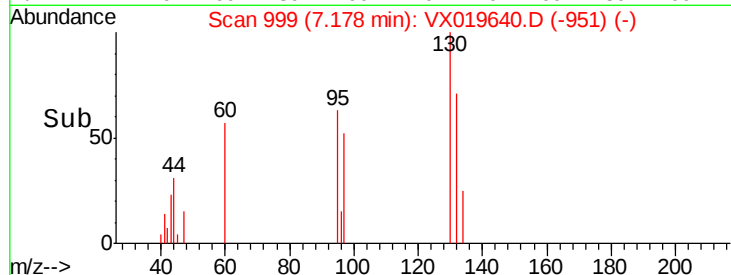
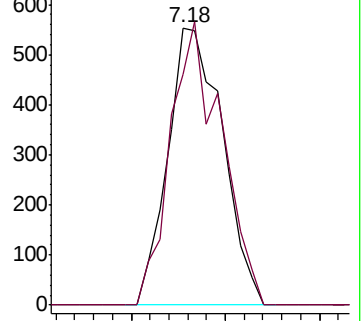
130 100

95 83.2 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#47

Bromodichloromethane

Concen: 1.284 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

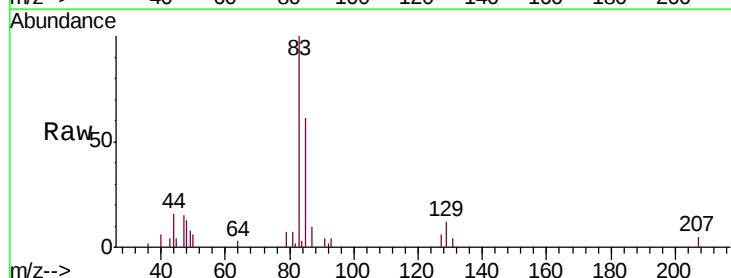
Tgt Ion: 83 Resp: 5872

Ion Ratio Lower Upper

83 100

85 61.1 50.2 75.2

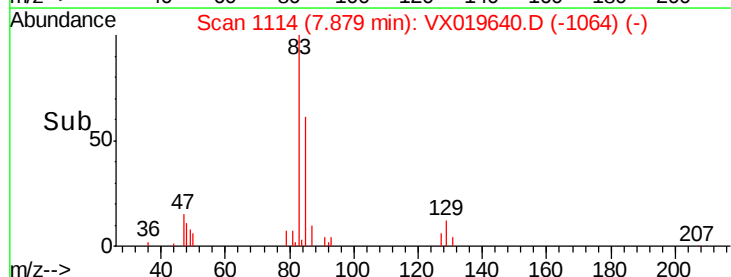
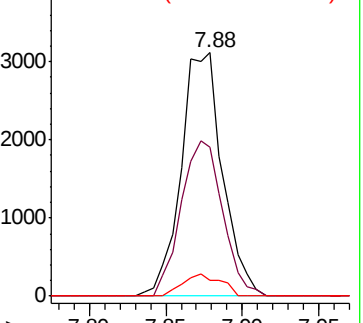
127 6.5 6.4 9.6

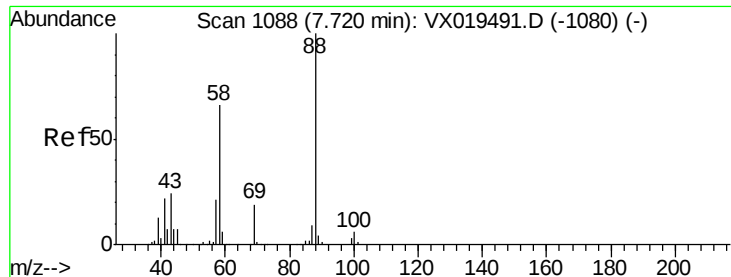


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

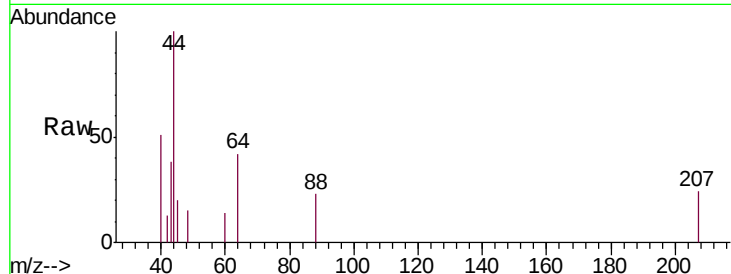




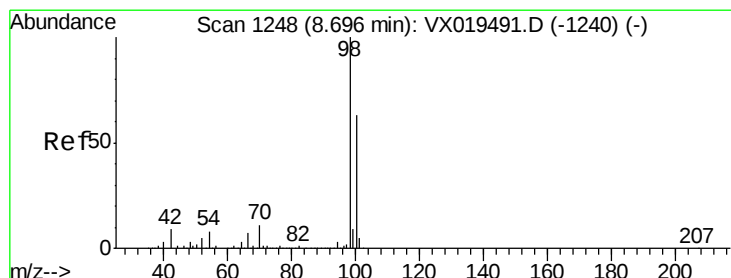
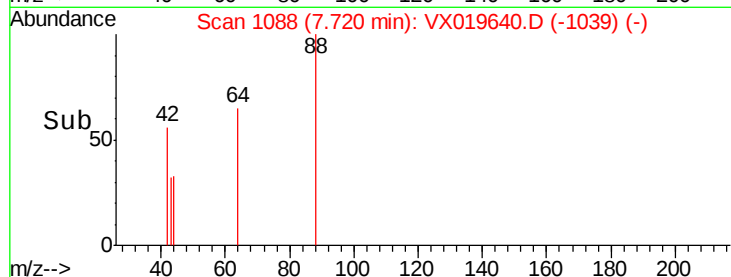
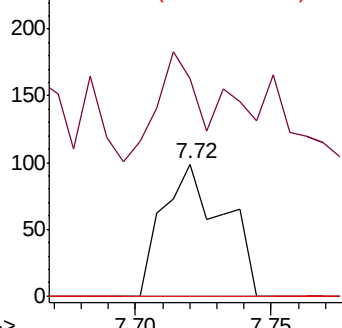
#49
 1,4-Dioxane
 Concen: 2.002 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX019640.D
 Acq: 25 Nov 2020 05:28

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-125.9T-20201119

Tgt Ion: 88 Resp: 153
 Ion Ratio Lower Upper
 88 100
 43 52.9 23.8 35.6#
 58 0.0 54.2 81.2#

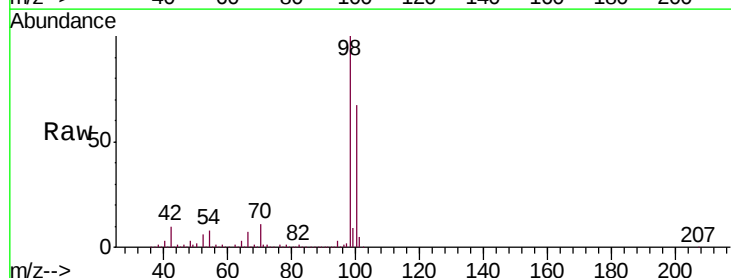


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

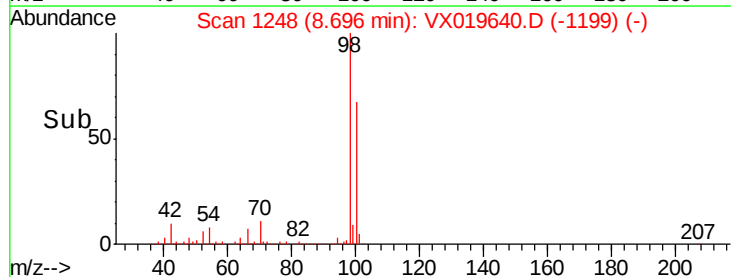
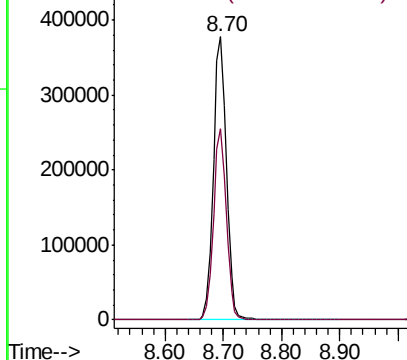


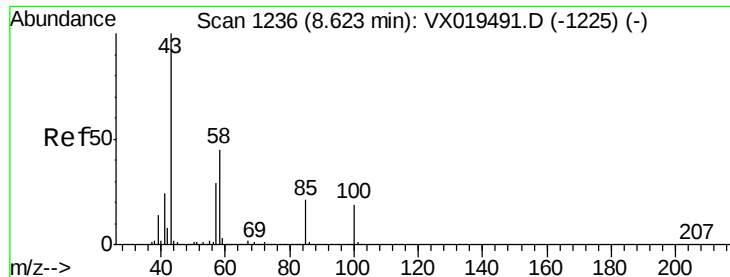
#50
 Toluene-d8
 Concen: 49.258 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX019640.D
 Acq: 25 Nov 2020 05:28

Tgt Ion: 98 Resp: 583532
 Ion Ratio Lower Upper
 98 100
 100 66.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

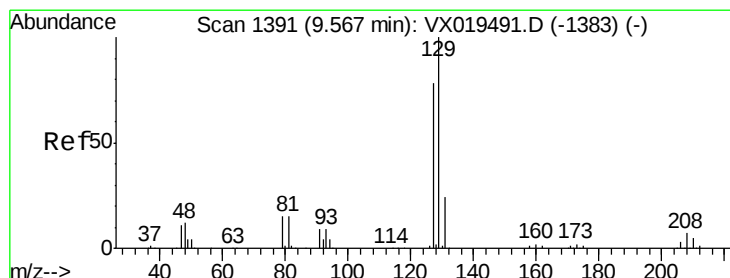
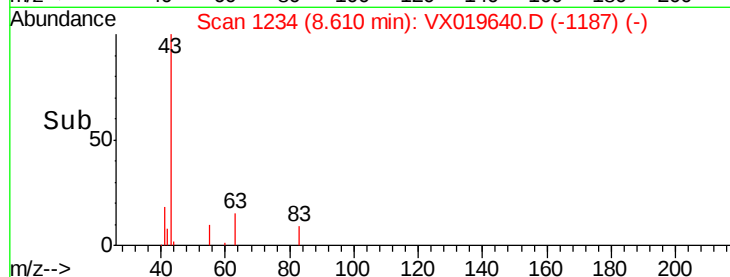
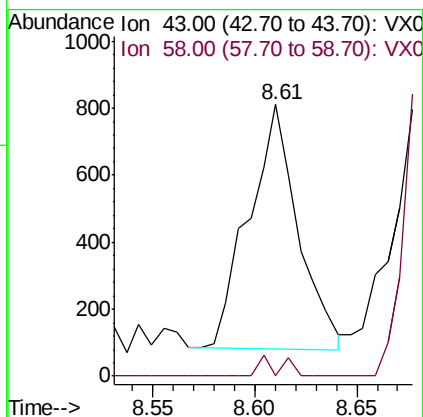
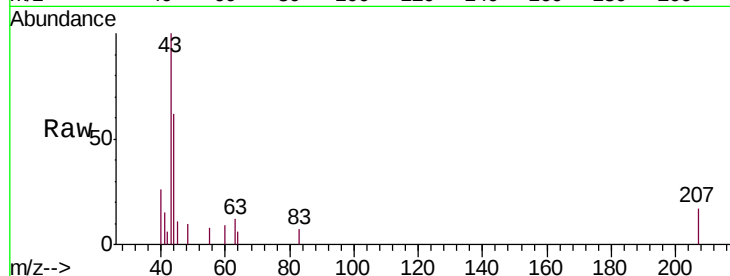




#51
4-Methyl-2-Pentanone
Concen: 0.293 ug/l
RT: 8.61 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VX019640.D
Acq: 25 Nov 2020 05:28

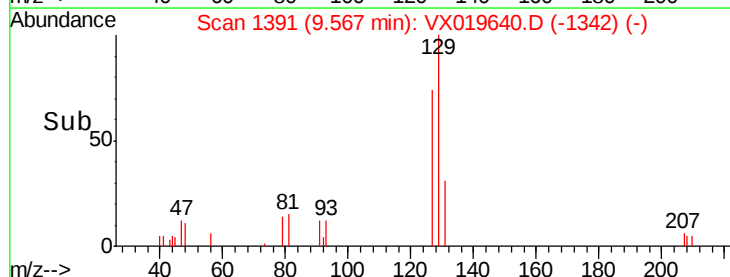
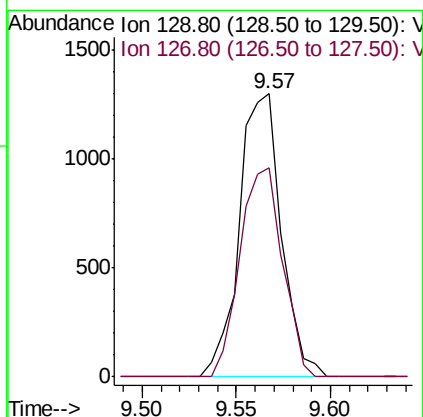
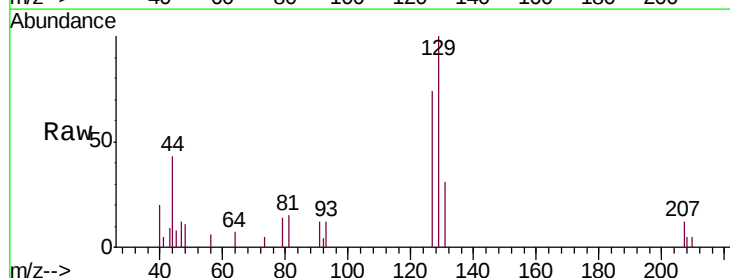
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9T-20201119

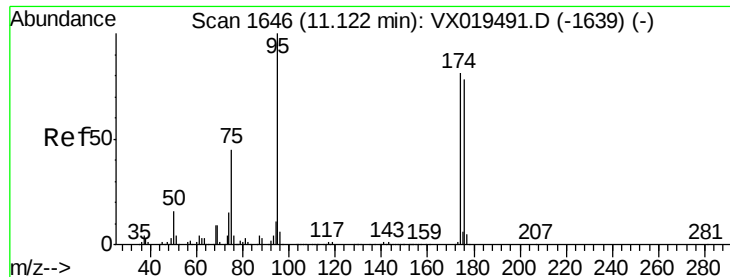
Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#



#60
Dibromochloromethane
Concen: 0.588 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX019640.D
Acq: 25 Nov 2020 05:28

Tgt Ion: 129 Resp: 2008
Ion Ratio Lower Upper
129 100
127 74.8 39.0 116.9

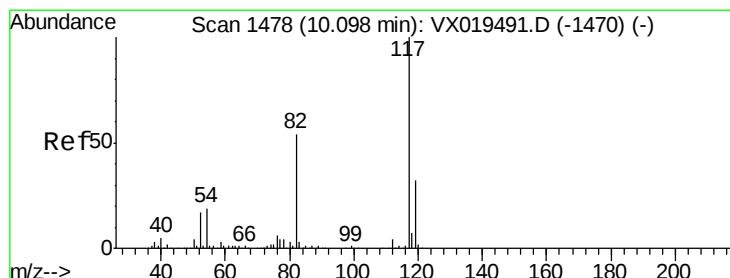
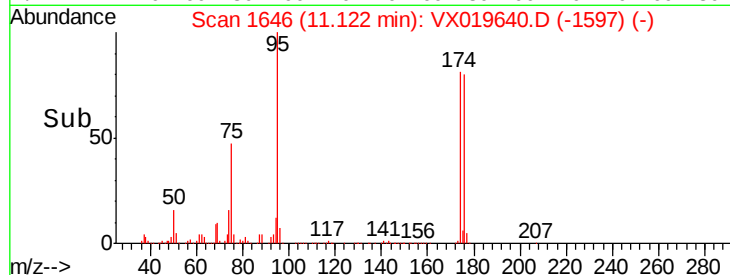
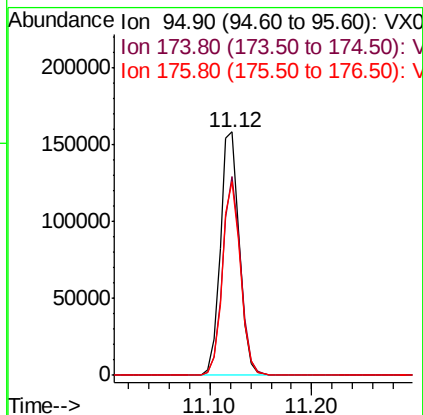
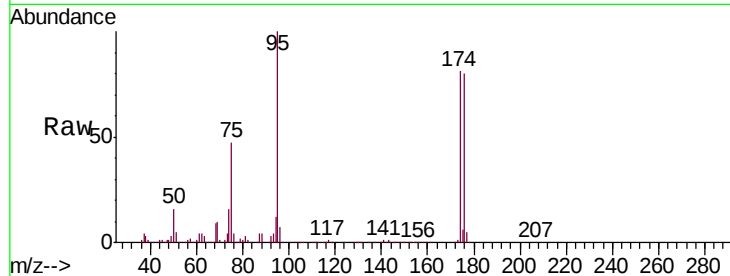




#62
4-Bromofluorobenzene
Concen: 48.415 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019640.D
Acq: 25 Nov 2020 05:28

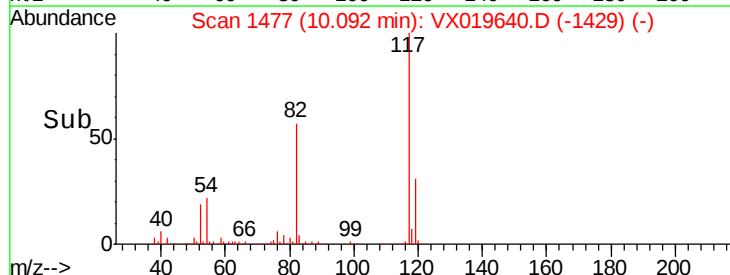
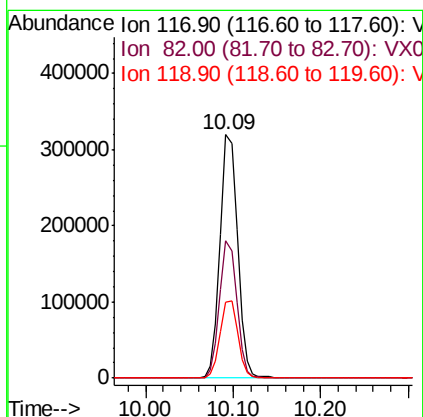
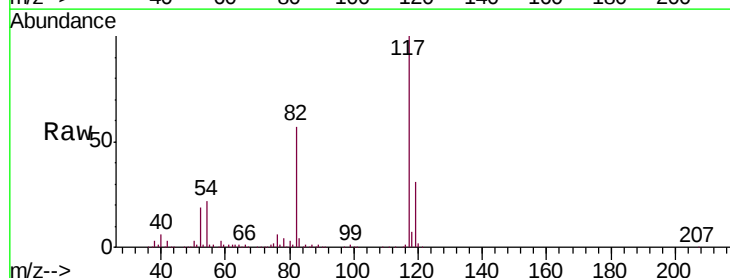
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9T-20201119

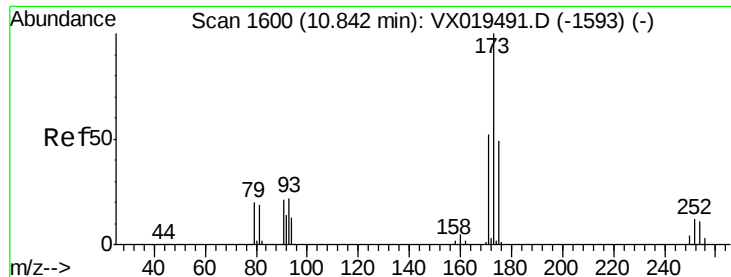
Tgt Ion: 95 Resp: 206353
Ion Ratio Lower Upper
95 100
174 77.5 0.0 156.2
176 75.7 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019640.D
Acq: 25 Nov 2020 05:28

Tgt Ion: 117 Resp: 445195
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 31.3 25.6 38.4





#71

Bromoform

Concen: 3.687 ug/l

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

MH-125.9T-20201119

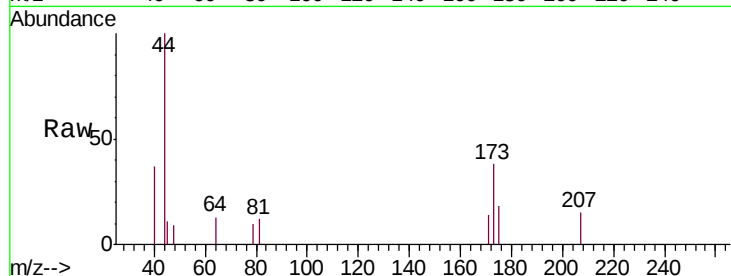
Tgt Ion:173 Resp: 256

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.8#

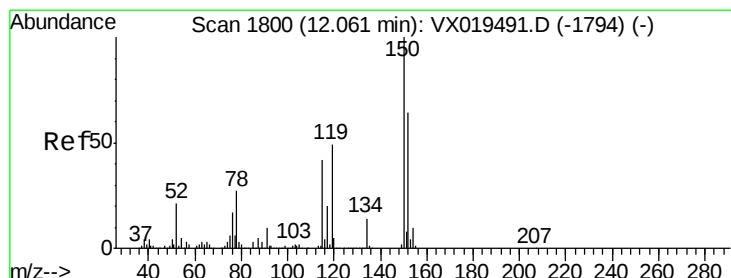
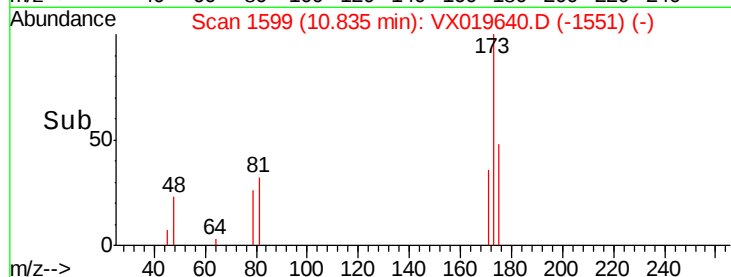
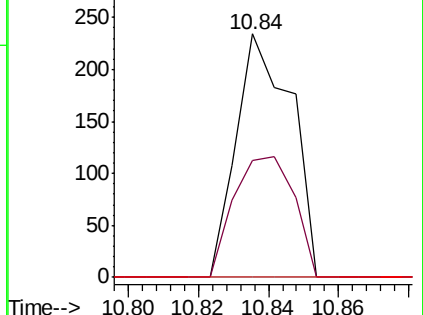
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX019640.D

Acq: 25 Nov 2020 05:28

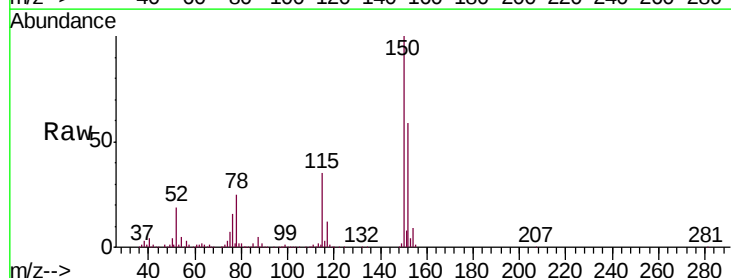
Tgt Ion:152 Resp: 178464

Ion Ratio Lower Upper

152 100

115 60.6 41.8 125.4

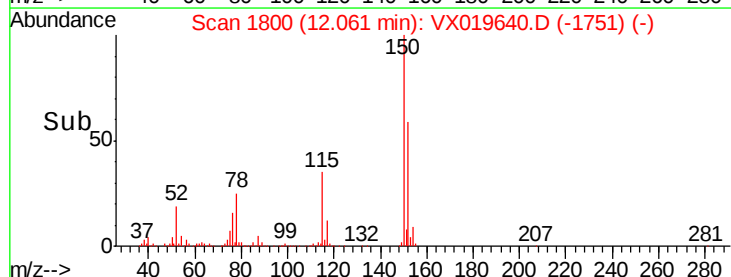
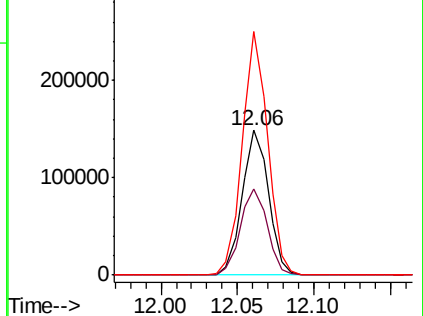
150 161.3 0.0 348.2

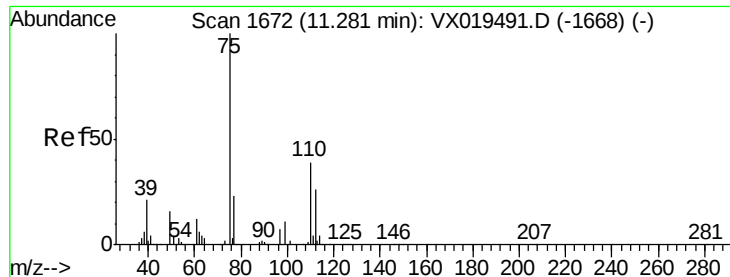


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.652 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

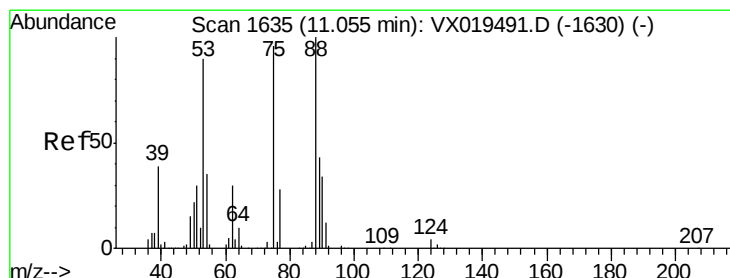
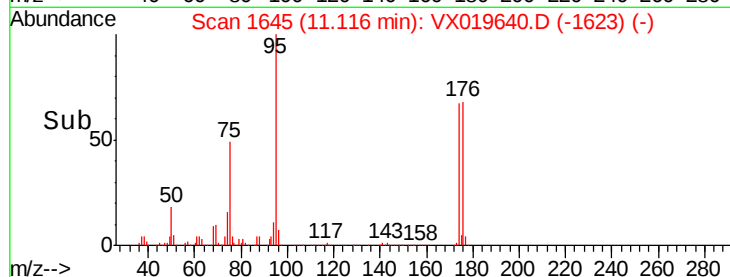
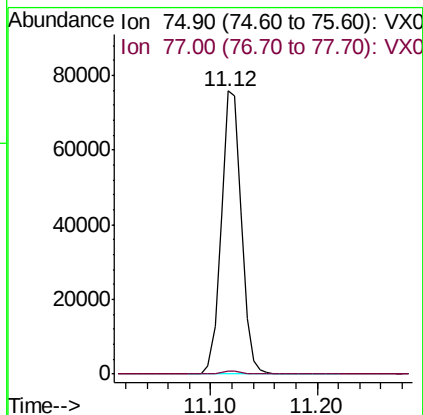
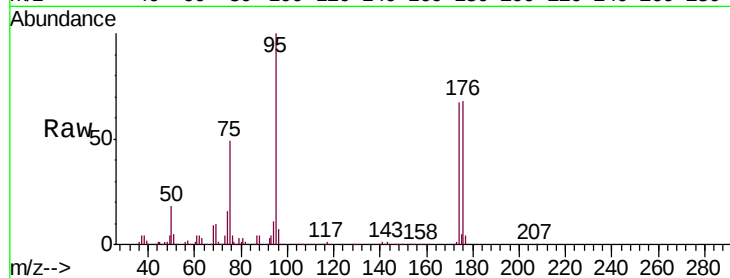
MH-125.9T-20201119

Tgt Ion: 75 Resp: 99907

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.652 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019640.D

Acq: 25 Nov 2020 05:28

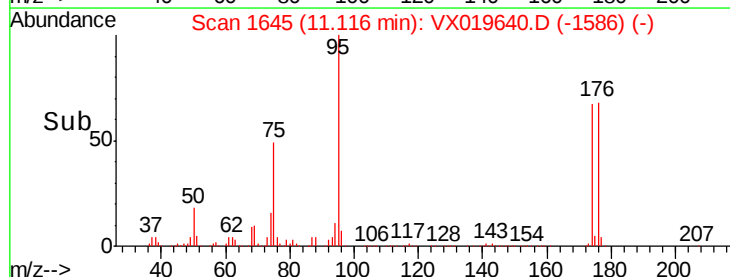
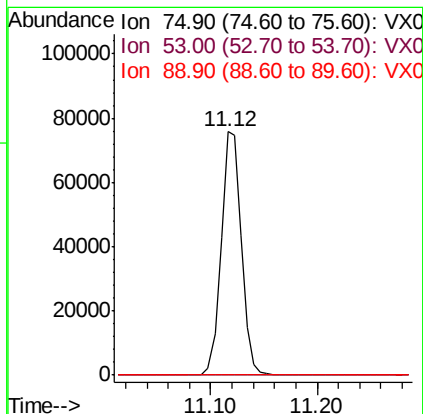
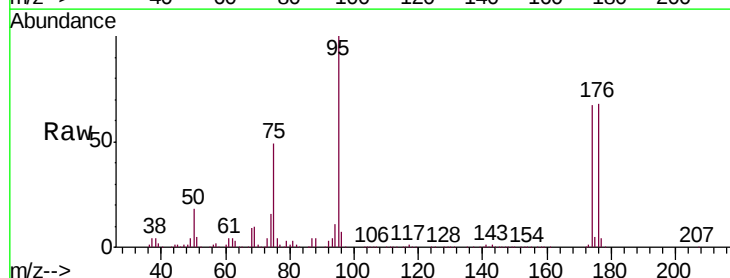
Tgt Ion: 75 Resp: 99907

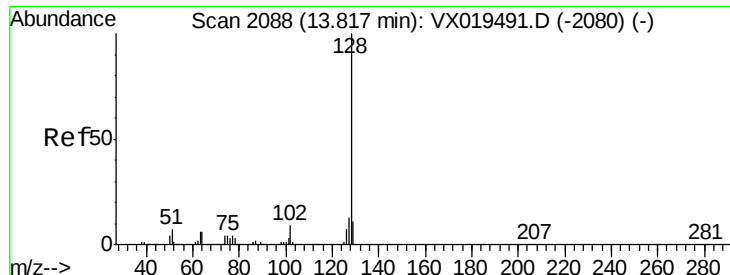
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.197 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019640.D

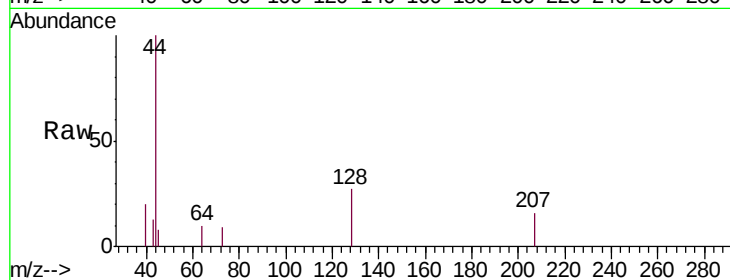
Acq: 25 Nov 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

MH-125.9T-20201119



Tgt Ion:	128	Resp:	266
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

