

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
 Data File : VY006449.D
 Acq On : 22 Oct 2021 19:09
 Operator : SY/MD
 Sample : M4316-04
 Misc : 4.37G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2A-ID

Quant Time: Oct 23 07:24:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

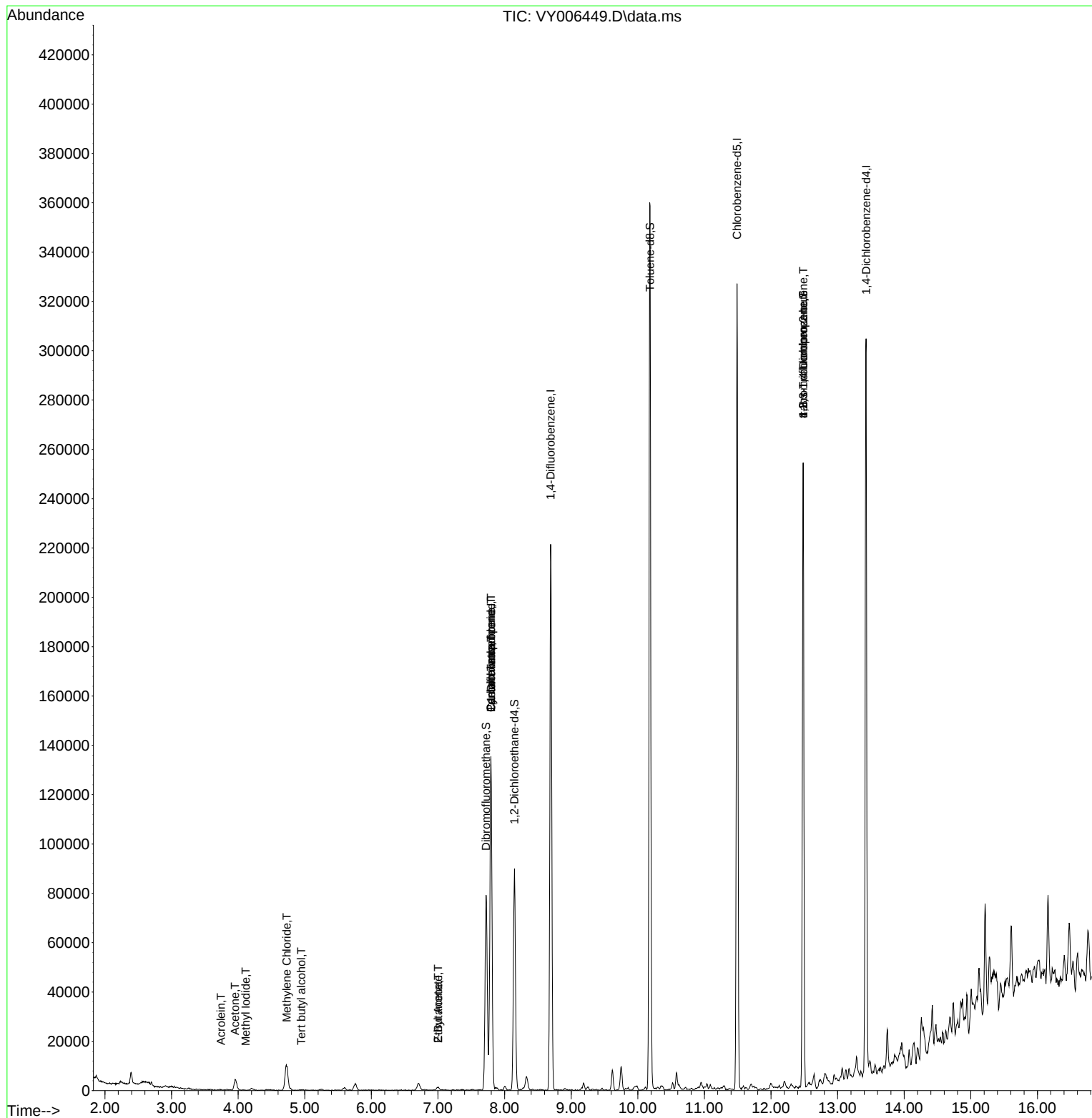
Internal Standards						
1) Pentafluorobenzene	7.795	168	100907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	174449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	160531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72352	58.267	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.540%	
35) Dibromofluoromethane	7.722	113	52370	53.860	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.720%	
50) Toluene-d8	10.185	98	226160	54.869	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.740%	
62) 4-Bromofluorobenzene	12.483	95	69100	49.767	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.540%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.113	142	115	5.164	ug/l #	36
11) Tert butyl alcohol	4.948	59	309	2.739	ug/l #	72
13) Acrolein	3.741	56	314	4.026	ug/l	86
16) Acetone	3.954	43	7997	22.366	ug/l	95
20) Methylene Chloride	4.728	84	7042	2.519	ug/l	97
25) 2-Butanone	7.002	43	1941	4.144	ug/l #	81
31) Cyclohexane	7.795	56	2772	1.379	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	8126	4.714	ug/l #	51
37) Ethyl Acetate	7.002	43	1941	1.779	ug/l #	72
38) Carbon Tetrachloride	7.795	117	9695	5.099	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	40694	54.516	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40694	111.918	ug/l #	7

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

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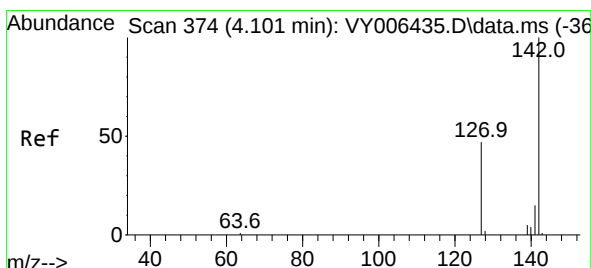
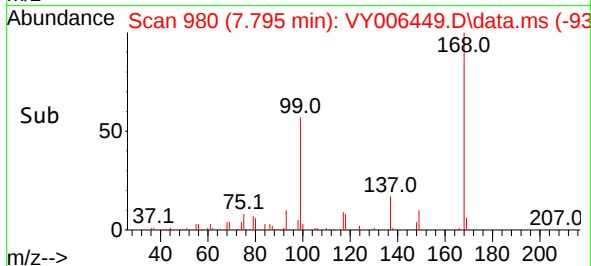
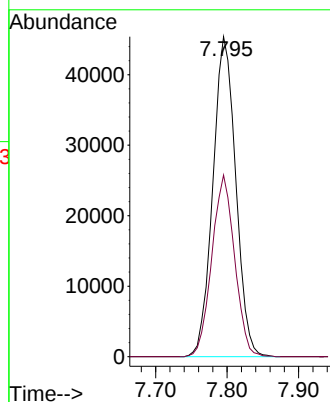
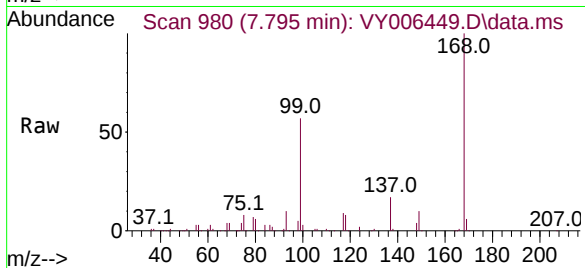




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

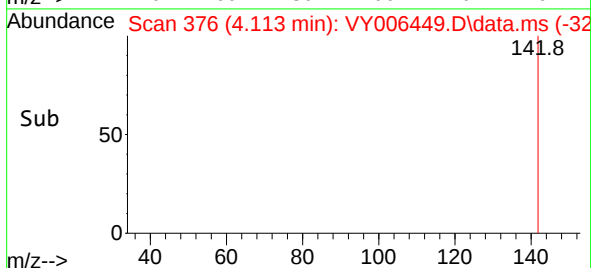
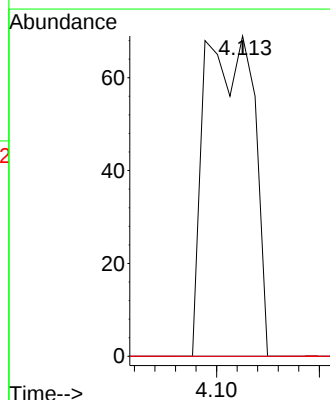
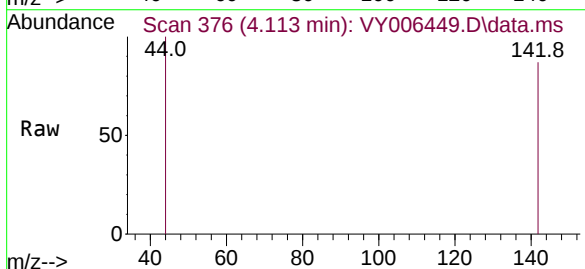
Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

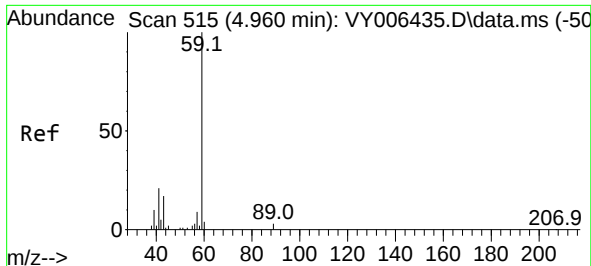
Tgt Ion:168 Resp: 100907
Ion Ratio Lower Upper
168 100
99 56.8 44.8 67.2



#10
Methyl Iodide
Concen: 5.164 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#

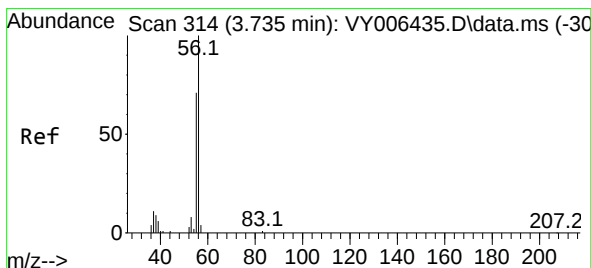
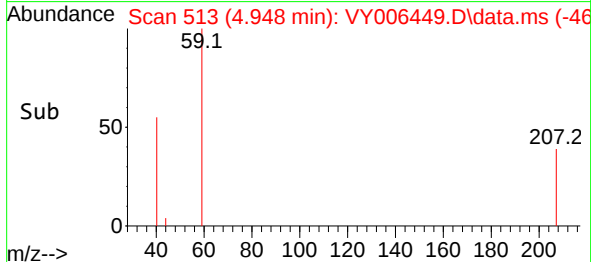
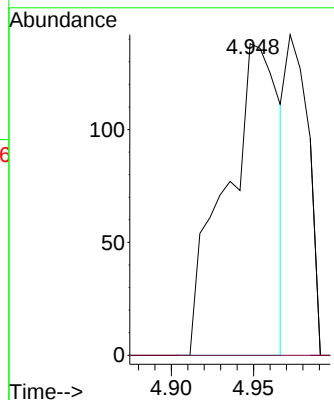
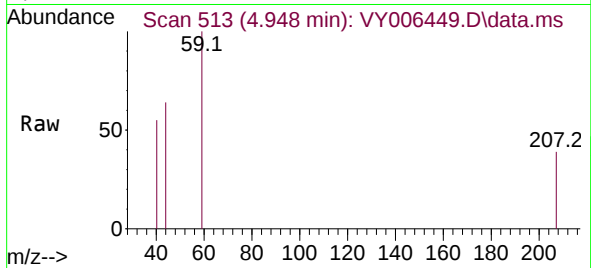




#11
Tert butyl alcohol
Concen: 2.739 ug/l
RT: 4.948 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

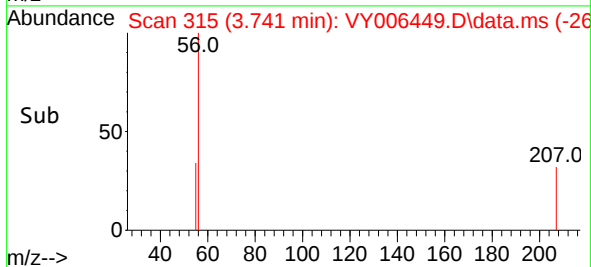
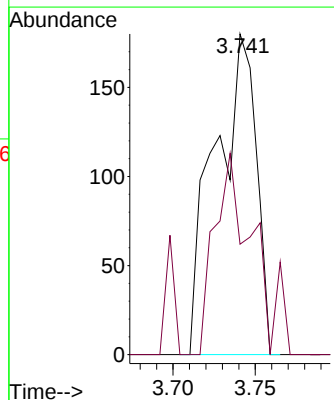
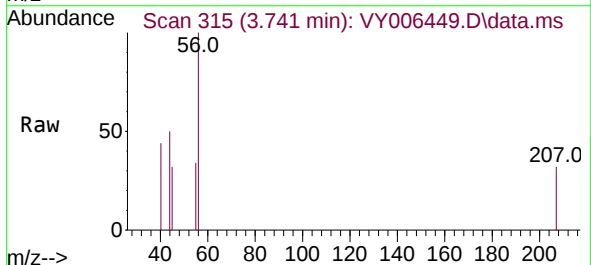
Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

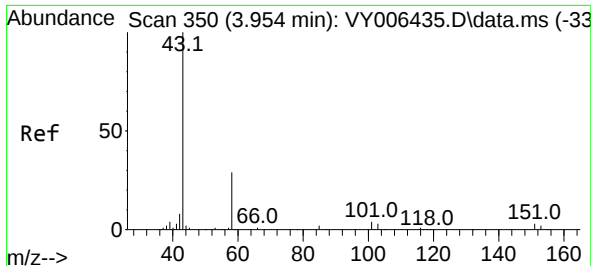
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 4.026 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 59.6 57.1 85.7

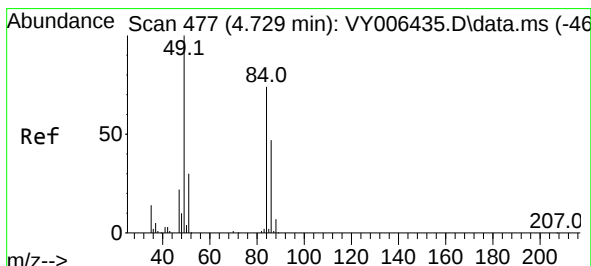
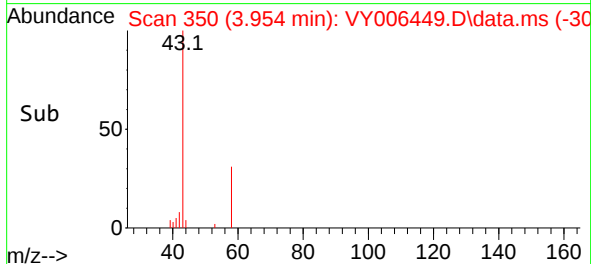
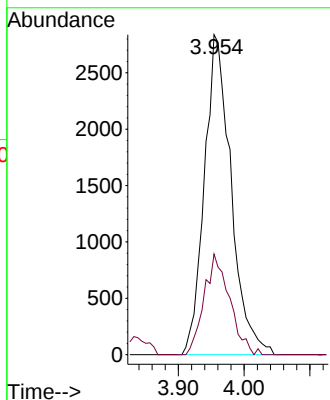
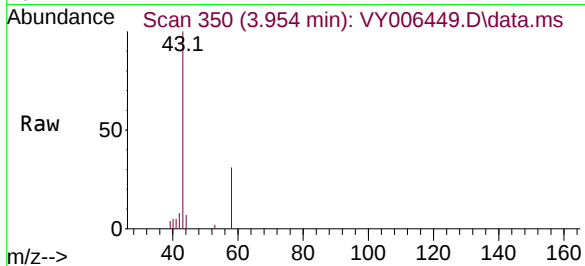




#16
Acetone
Concen: 22.366 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

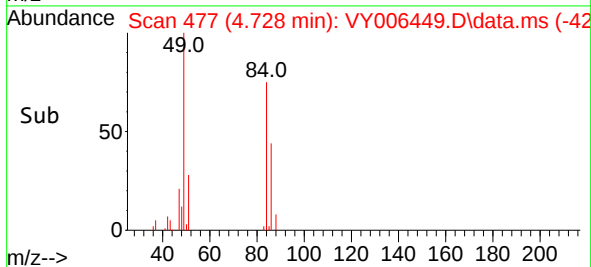
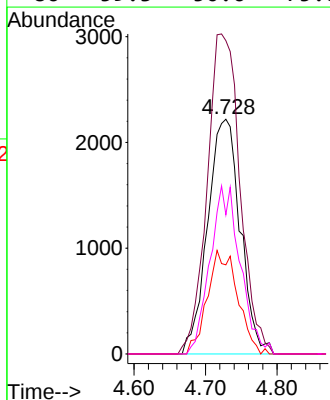
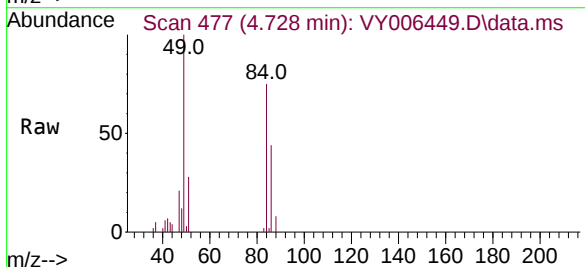
Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

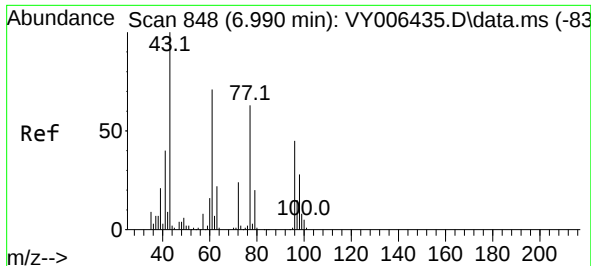
Tgt Ion: 43 Resp: 7997
Ion Ratio Lower Upper
43 100
58 31.5 22.9 34.3



#20
Methylene Chloride
Concen: 2.519 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion: 84 Resp: 7042
Ion Ratio Lower Upper
84 100
49 133.5 107.8 161.8
51 37.9 32.8 49.2
86 59.3 50.6 75.8

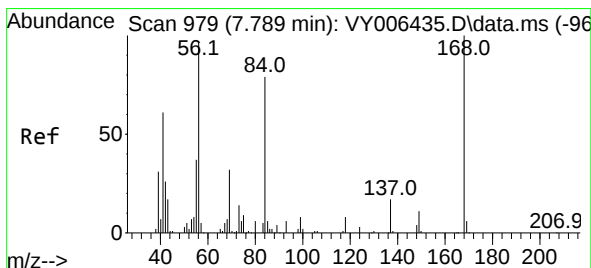
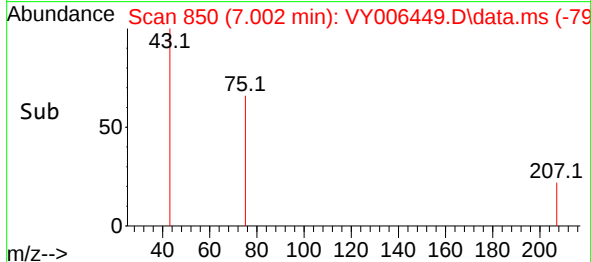
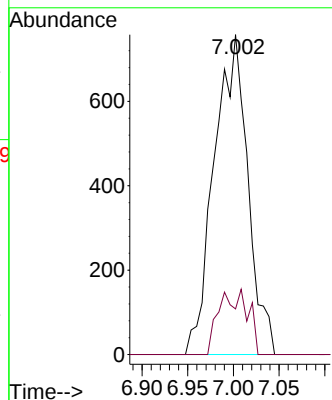
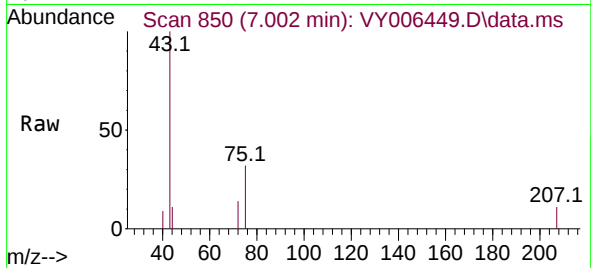




#25
2-Butanone
Concen: 4.144 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

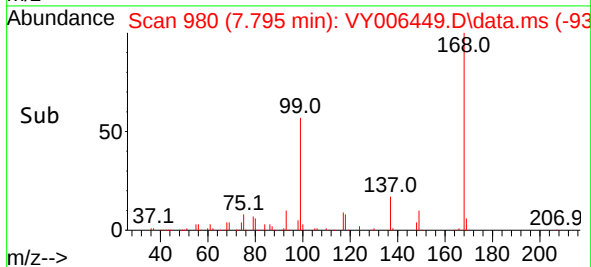
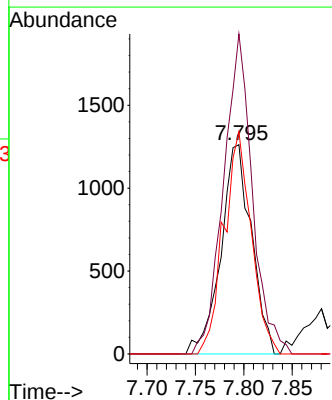
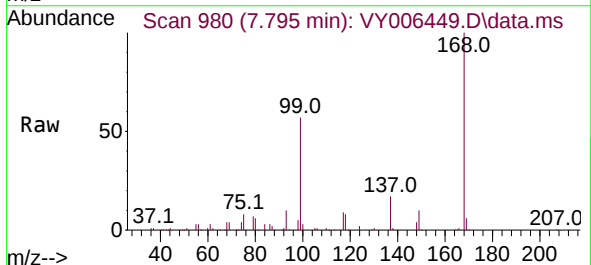
Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

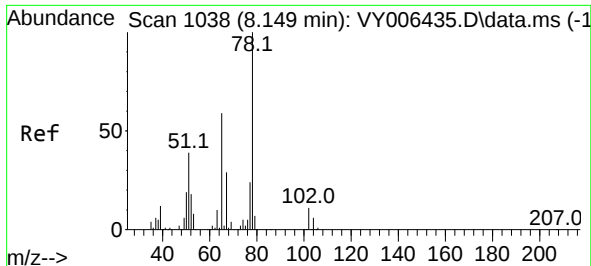
Tgt Ion: 43 Resp: 1941
Ion Ratio Lower Upper
43 100
72 14.2 18.9 28.3#



#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion: 56 Resp: 2772
Ion Ratio Lower Upper
56 100
69 152.9 26.6 40.0#
84 106.2 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 58.267 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY006449.D

Acq: 22 Oct 2021 19:09

Instrument :

MSVOA_Y

ClientSampleId :

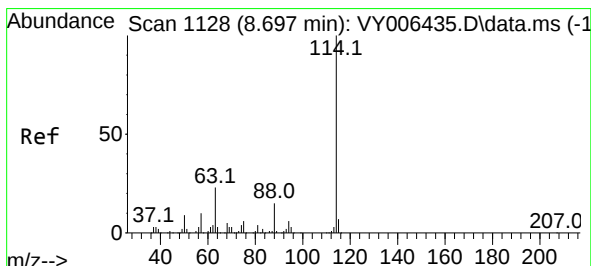
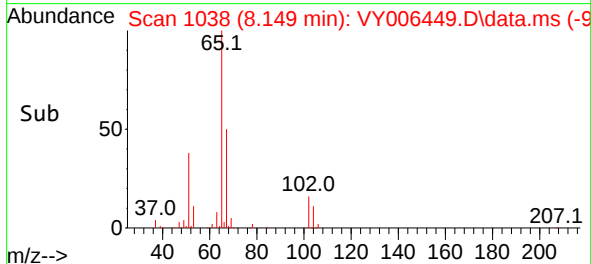
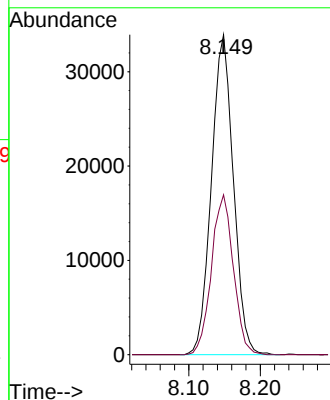
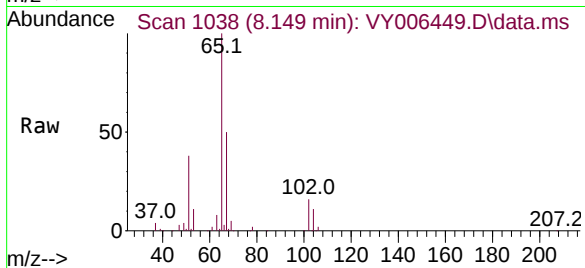
WC-2A-ID

Tgt Ion: 65 Resp: 72352

Ion Ratio Lower Upper

65 100

67 49.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY006449.D

Acq: 22 Oct 2021 19:09

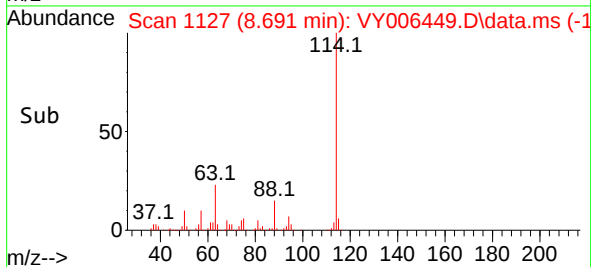
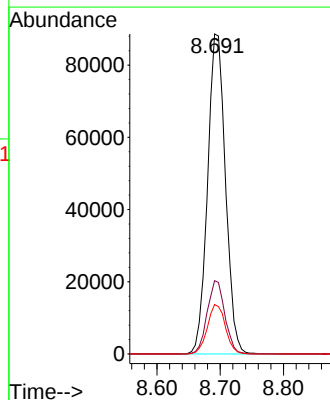
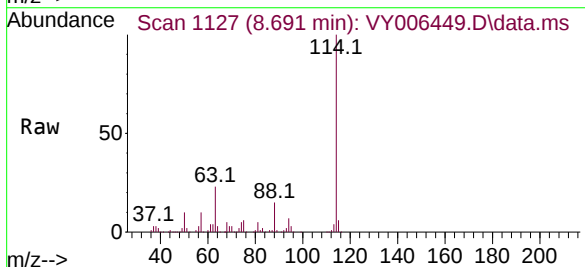
Tgt Ion: 114 Resp: 174449

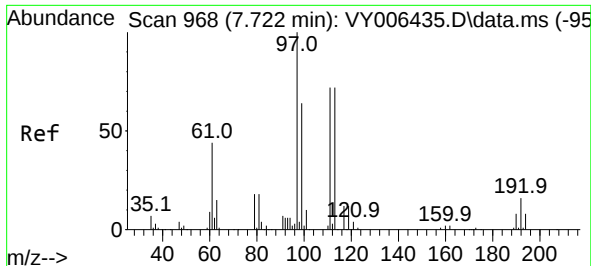
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.860 ug/l

RT: 7.722 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY006449.D

Acq: 22 Oct 2021 19:09

Instrument :

MSVOA_Y

ClientSampleId :

WC-2A-ID

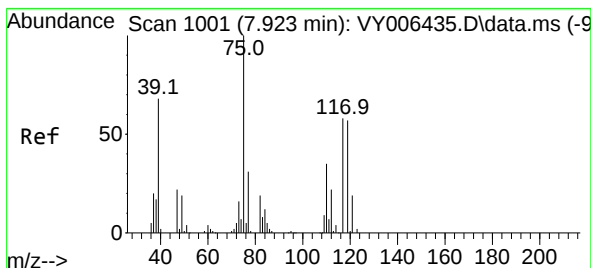
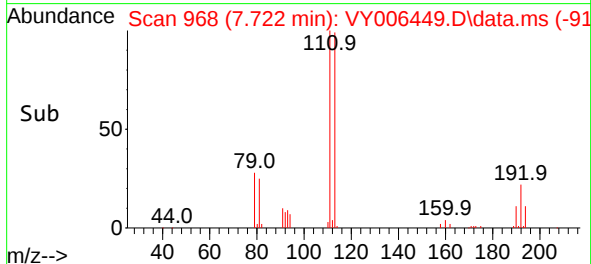
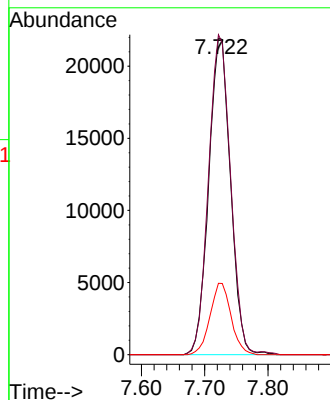
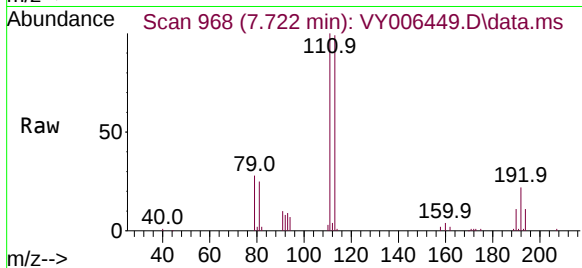
Tgt Ion:113 Resp: 52370

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 21.8 17.4 26.2



#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY006449.D

Acq: 22 Oct 2021 19:09

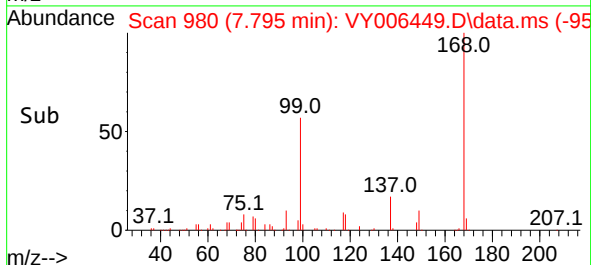
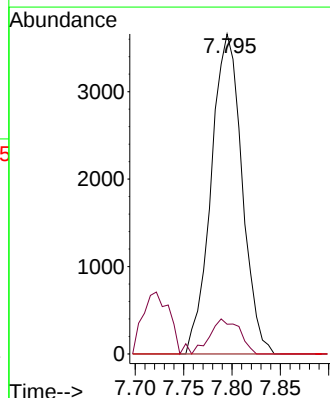
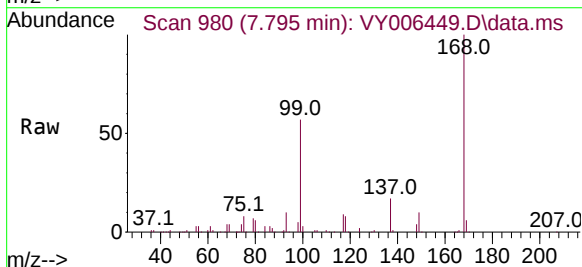
Tgt Ion: 75 Resp: 8126

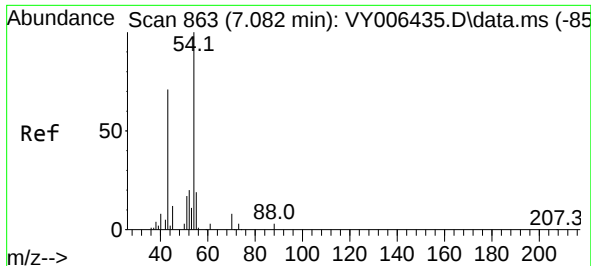
Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.3#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.779 ug/l

RT: 7.002 min Scan# 81

Delta R.T. -0.079 min

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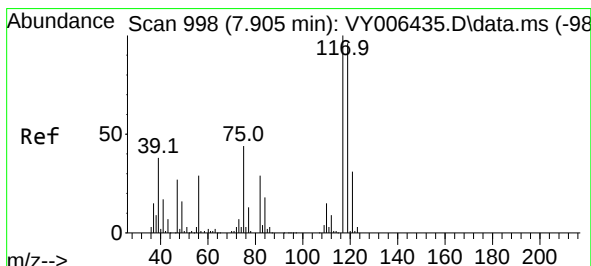
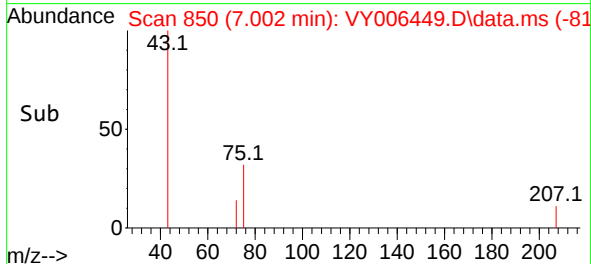
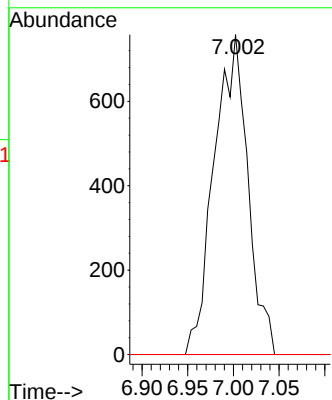
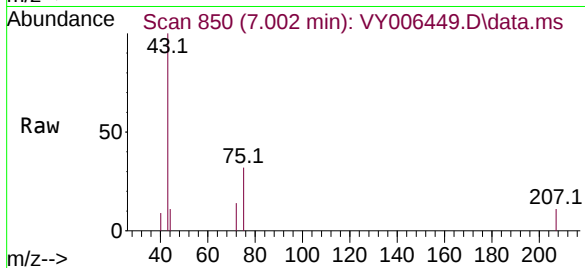
Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

61 0.0 9.4 14.2#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.099 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY006449.D

Acq: 22 Oct 2021 19:09

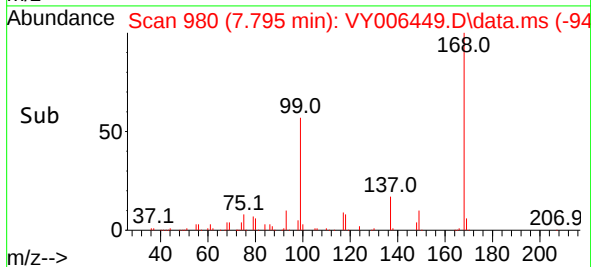
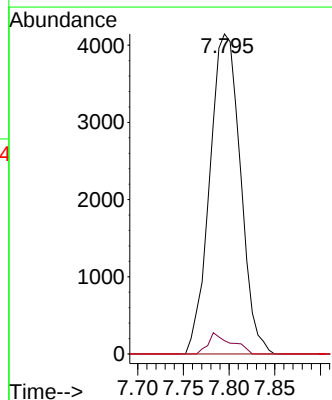
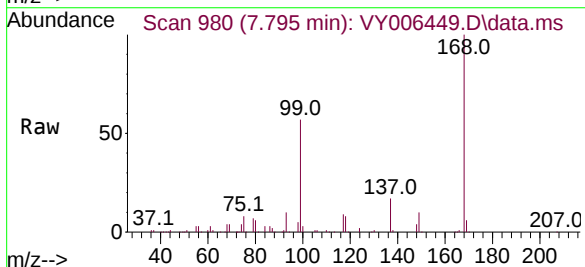
Tgt Ion: 117 Resp: 9695

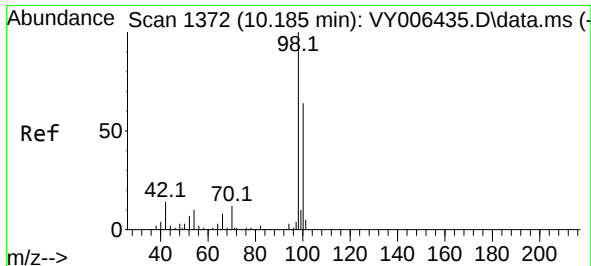
Ion Ratio Lower Upper

117 100

119 4.2 76.6 115.0#

121 0.0 24.7 37.1#

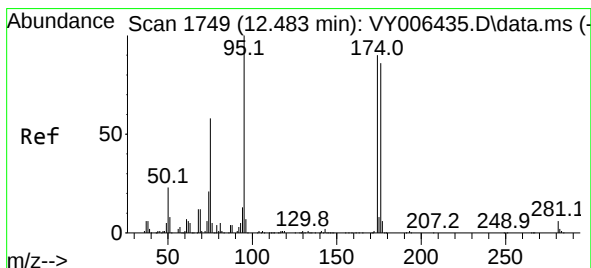
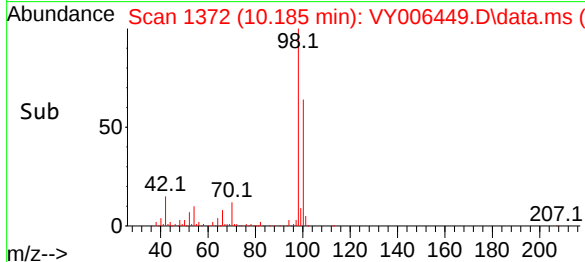
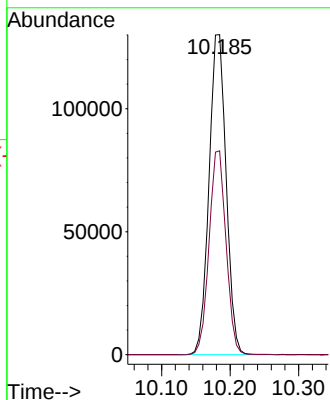
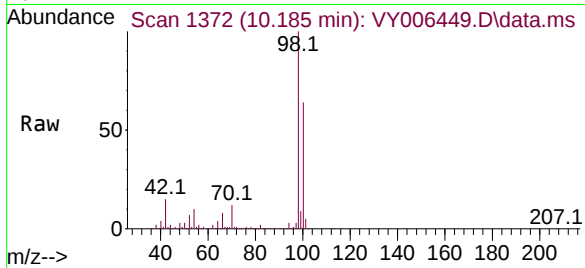




#50
Toluene-d8
Concen: 54.869 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

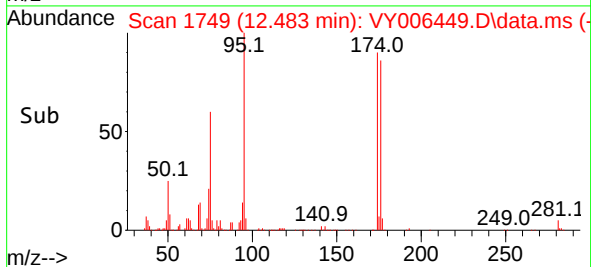
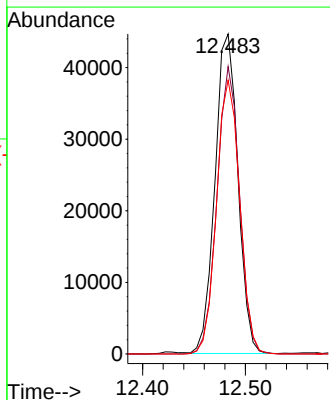
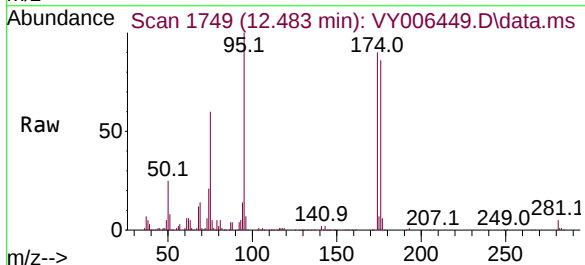
Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

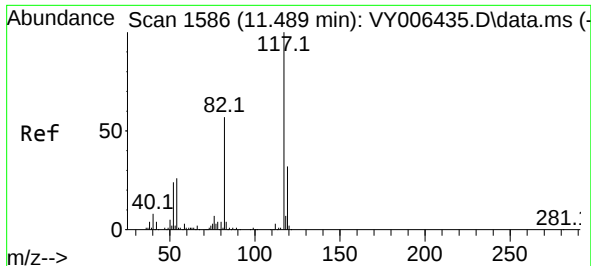
Tgt Ion: 98 Resp: 226160
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion: 95 Resp: 69100
Ion Ratio Lower Upper
95 100
174 88.4 0.0 177.0
176 86.6 0.0 169.4

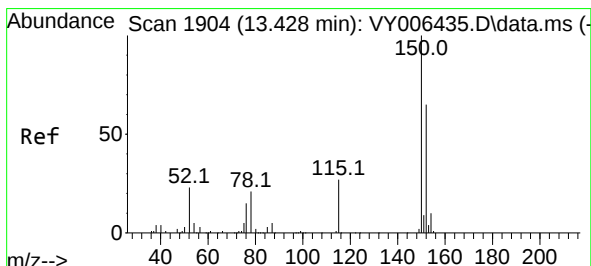
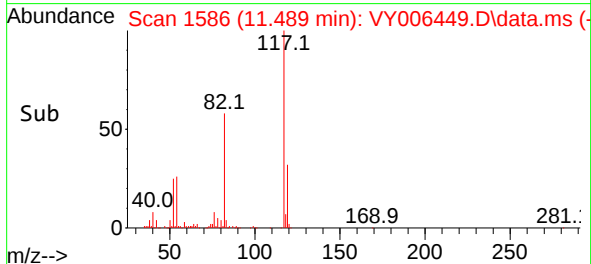
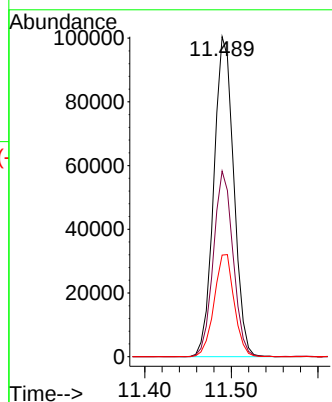
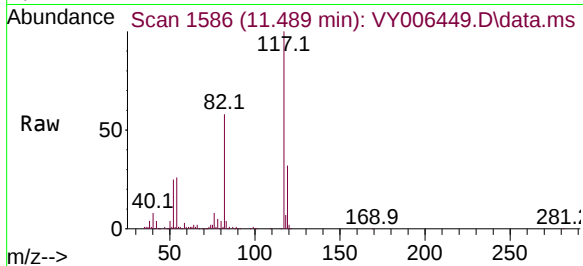




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

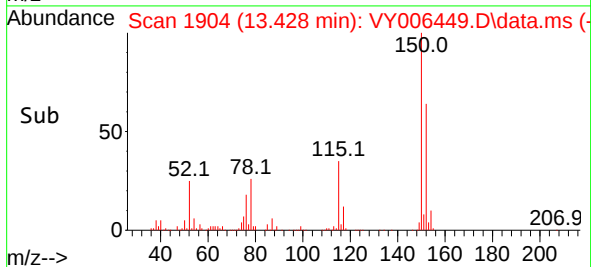
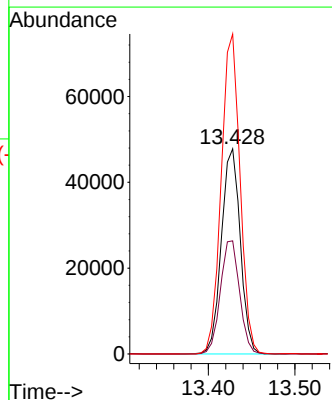
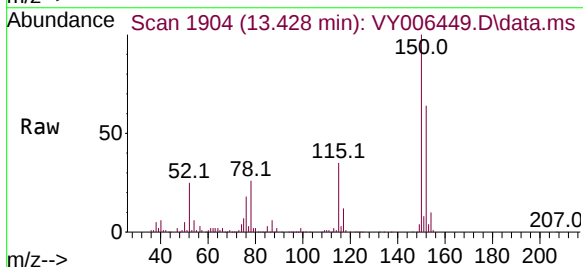
Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

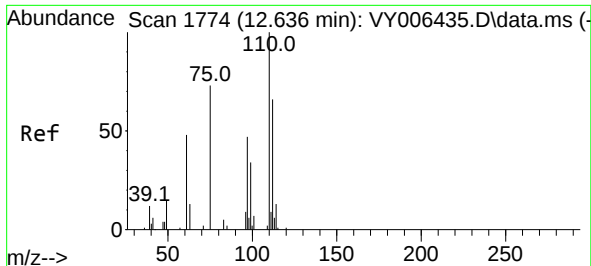
Tgt Ion:117 Resp: 160531
Ion Ratio Lower Upper
117 100
82 58.0 45.7 68.5
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion:152 Resp: 72439
Ion Ratio Lower Upper
152 100
115 56.2 28.5 85.5
150 155.1 0.0 348.2

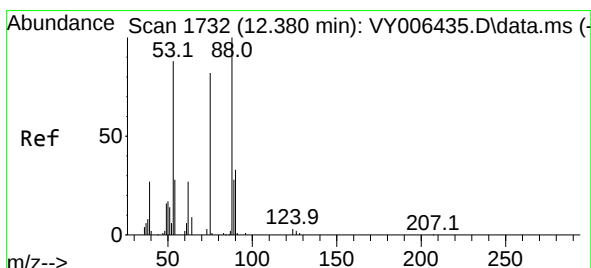
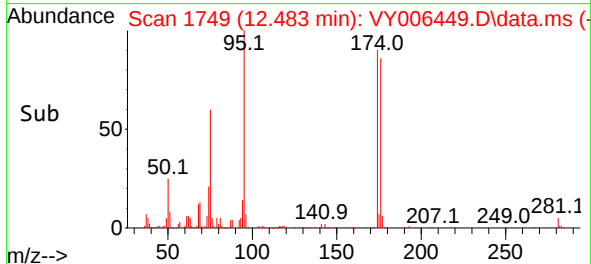
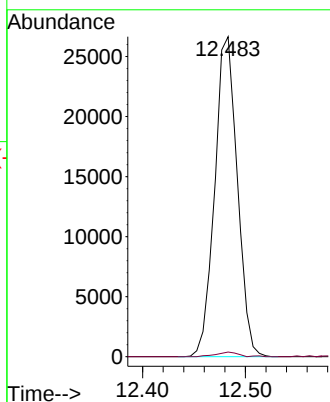
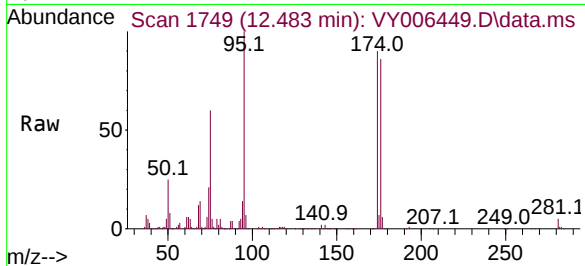




#76
1,2,3-Trichloropropane
Concen: 54.516 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Instrument :
MSVOA_Y
ClientSampleId :
WC-2A-ID

Tgt Ion: 75 Resp: 40694
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.918 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006449.D
Acq: 22 Oct 2021 19:09

Tgt Ion: 75 Resp: 40694
Ion Ratio Lower Upper
75 100
53 0.4 85.8 128.6#
89 0.0 39.3 58.9#

