

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110521\
 Data File : VY006650.D
 Acq On : 05 Nov 2021 12:29
 Operator : SY/MD
 Sample : M4497-04
 Misc : 5.23G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 06 20:37:23 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	7.801	168	109113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	185524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	170670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66769	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76549	57.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.020%
35) Dibromofluoromethane	7.728	113	57197	55.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.620%
50) Toluene-d8	10.185	98	238220	54.344	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.680%
62) 4-Bromofluorobenzene	12.483	95	71302	48.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.580%

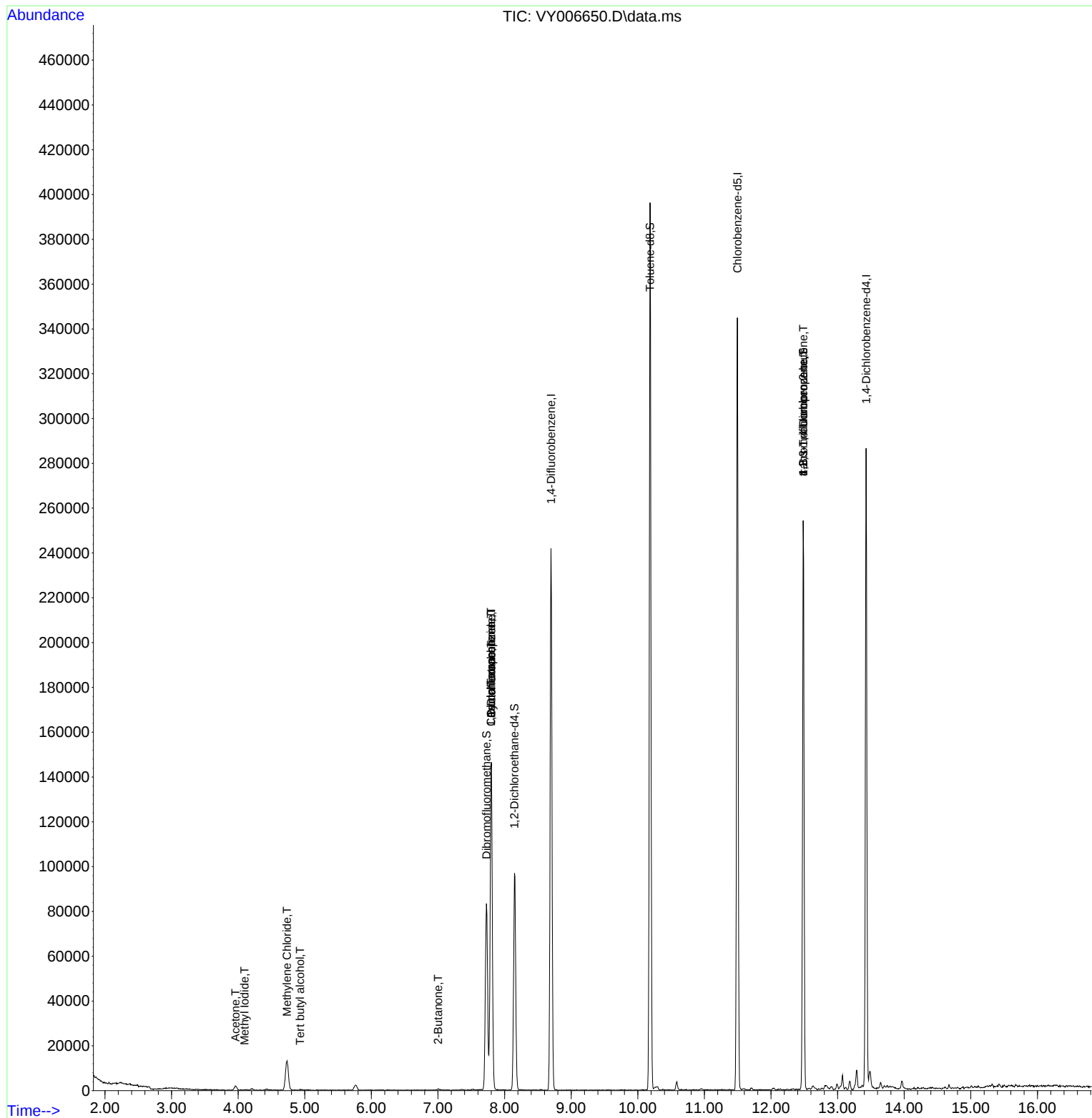
Target Compounds					Qvalue	
10) Methyl Iodide	4.094	142	91	5.136	ug/l #	36
11) Tert butyl alcohol	4.930	59	201	1.648	ug/l #	72
16) Acetone	3.960	43	3540	9.156	ug/l	91
20) Methylene Chloride	4.735	84	8977	3.754	ug/l	89
25) 2-Butanone	7.002	43	507	1.001	ug/l #	52
31) Cyclohexane	7.801	56	2802	1.289	ug/l #	16
36) 1,1-Dichloropropene	7.795	75	9479	5.171	ug/l #	49
38) Carbon Tetrachloride	7.795	117	11012	5.445	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	41458	60.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41458	123.702	ug/l #	7

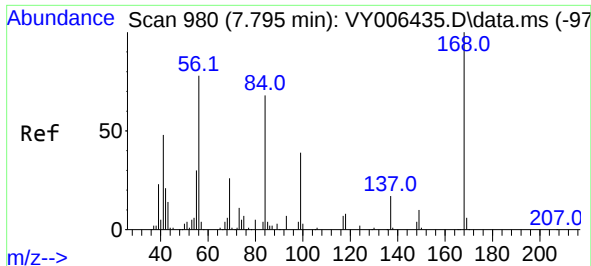
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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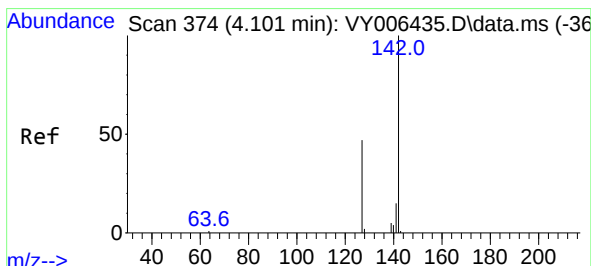
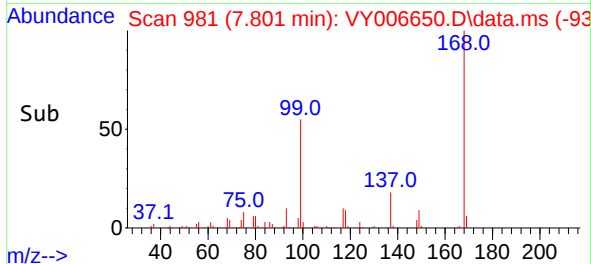
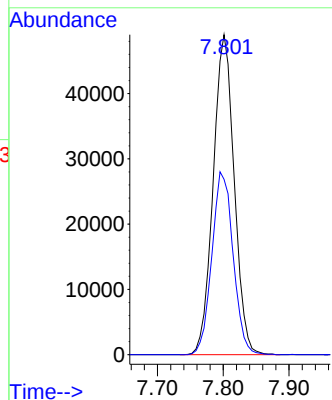
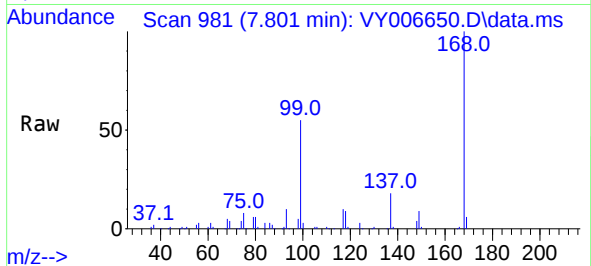




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

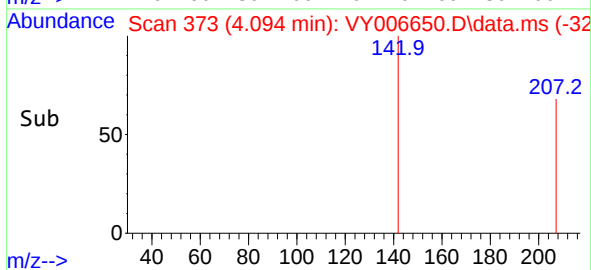
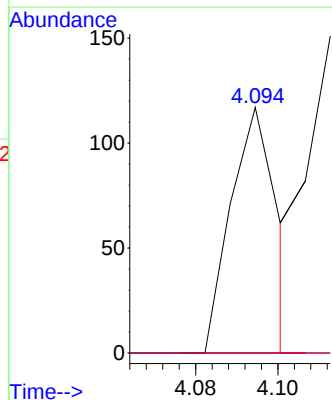
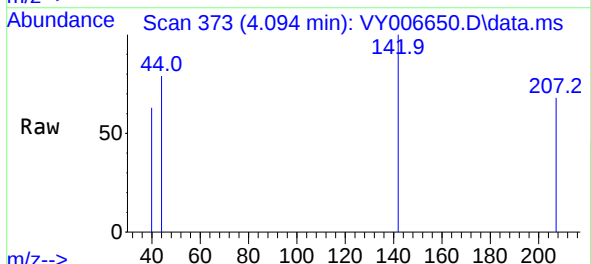
Instrument :
MSVOA_Y
ClientSampleId :

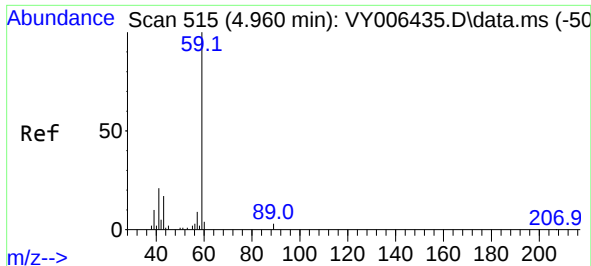
Tgt Ion:168 Resp: 109113
Ion Ratio Lower Upper
168 100
99 54.8 44.8 67.2



#10
Methyl Iodide
Concen: 5.136 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.007 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Tgt Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#

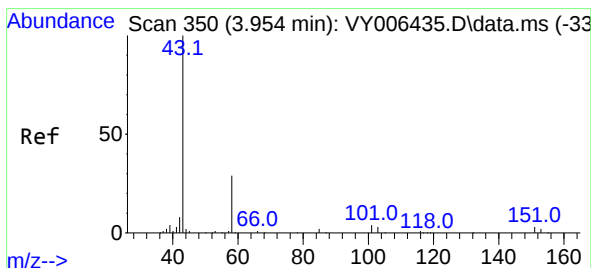
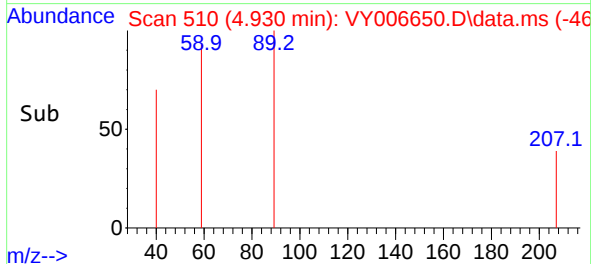
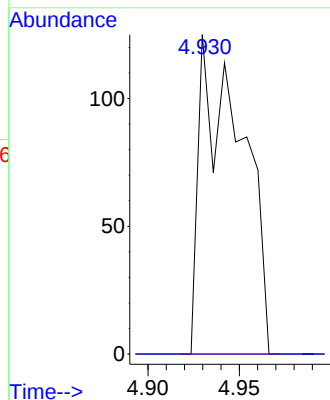
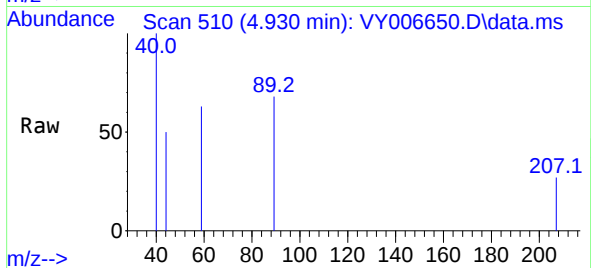




#11
Tert butyl alcohol
Concen: 1.648 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.030 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

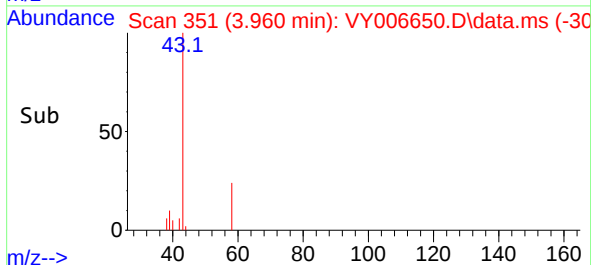
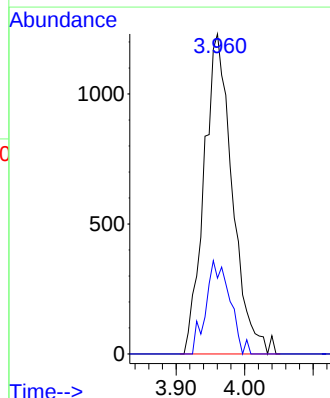
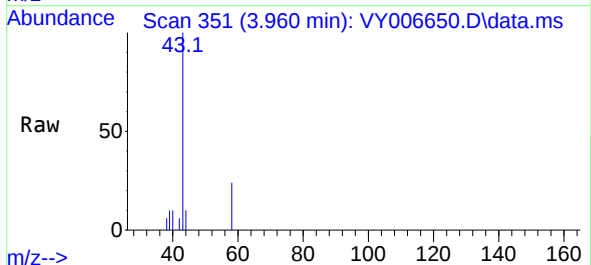
Instrument :
MSVOA_Y
ClientSampleId :

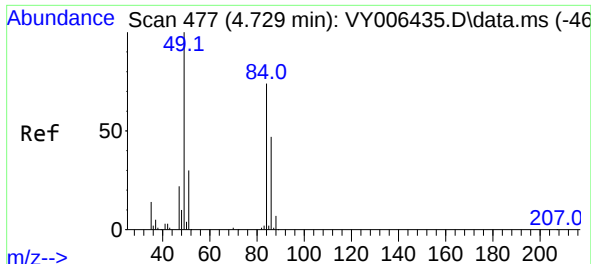
Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 9.156 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

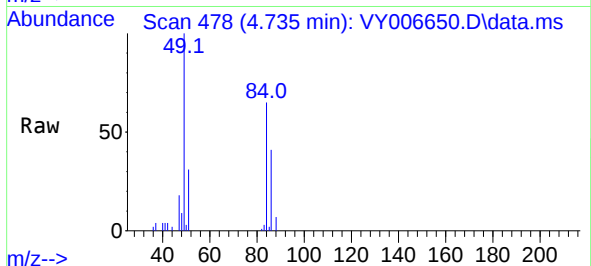
Tgt Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
58 23.7 22.9 34.3





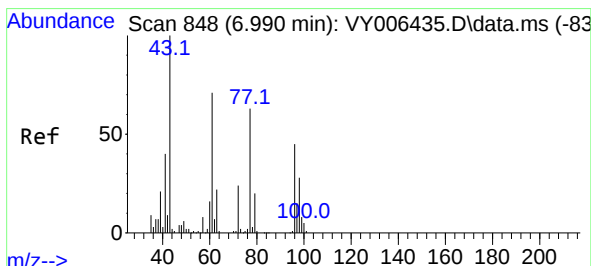
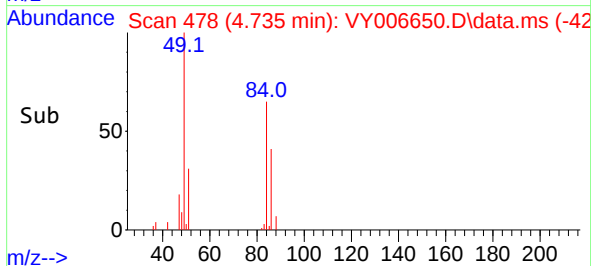
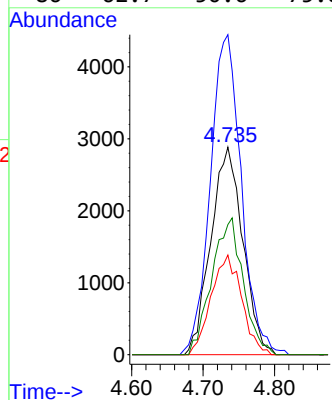
#20
Methylene Chloride
Concen: 3.754 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 8977

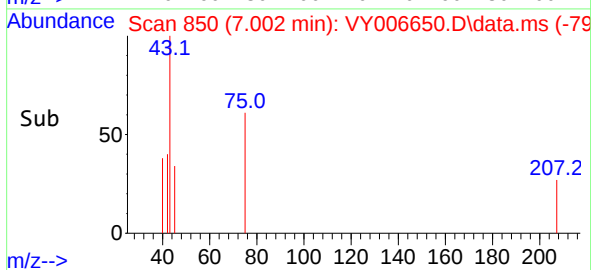
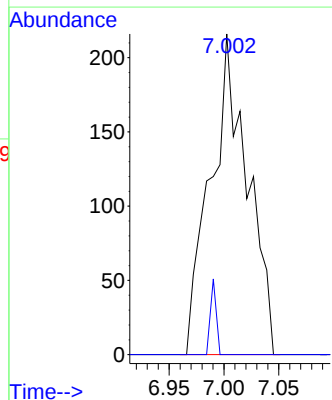
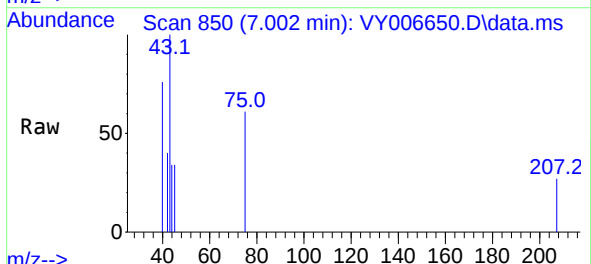
Ion	Ratio	Lower	Upper
84	100		
49	154.2	107.8	161.8
51	48.0	32.8	49.2
86	62.7	50.6	75.8

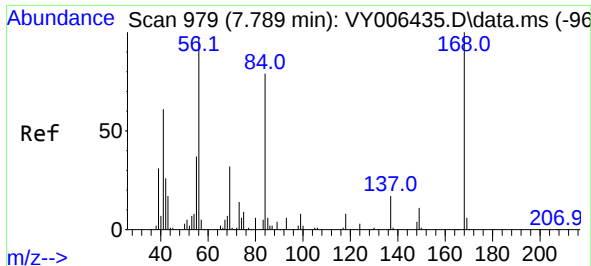


#25
2-Butanone
Concen: 1.001 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Tgt Ion: 43 Resp: 507

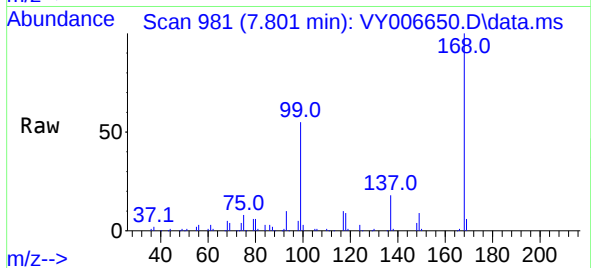
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.9	28.3#





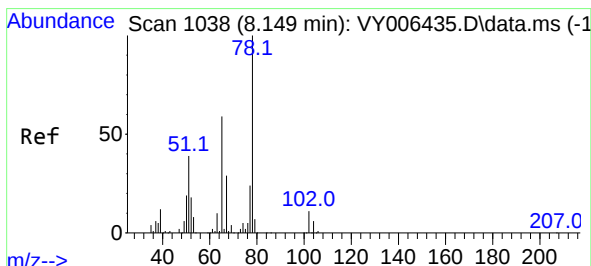
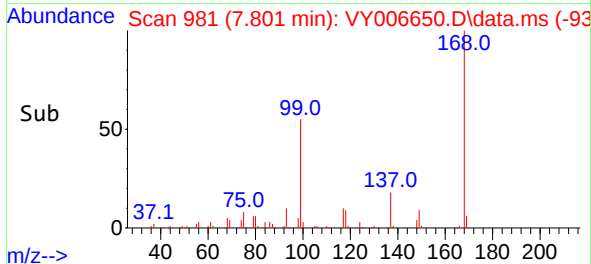
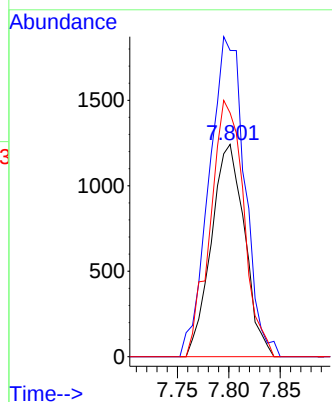
#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 56 Resp: 2802

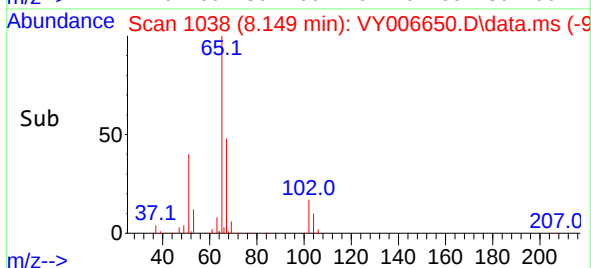
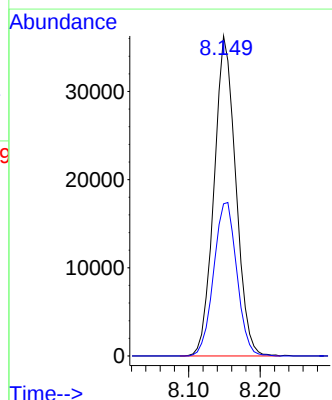
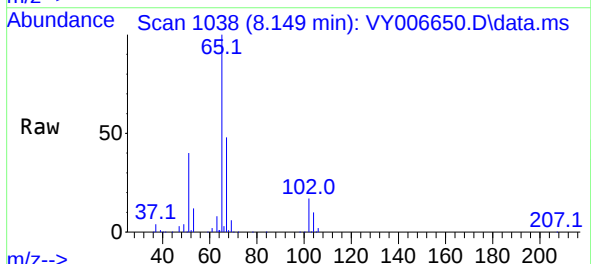
Ion	Ratio	Lower	Upper
56	100		
69	144.3	26.6	40.0#
84	114.8	65.0	97.4#

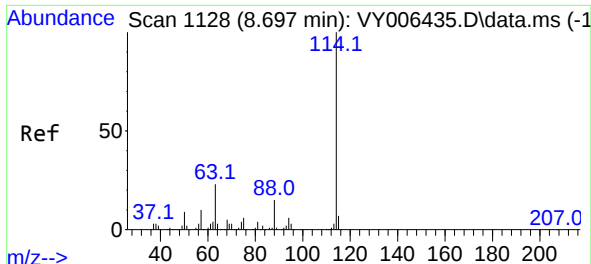


#33
1,2-Dichloroethane-d4
Concen: 57.011 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Tgt Ion: 65 Resp: 76549

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006650.D

Acq: 05 Nov 2021 12:29

Instrument :

MSVOA_Y

ClientSampleId :

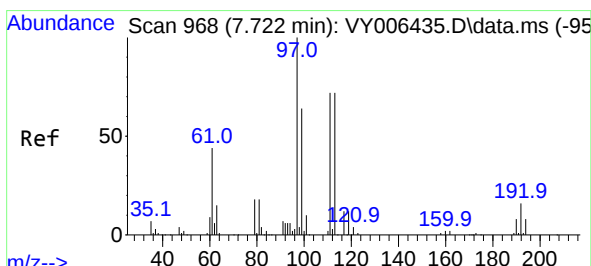
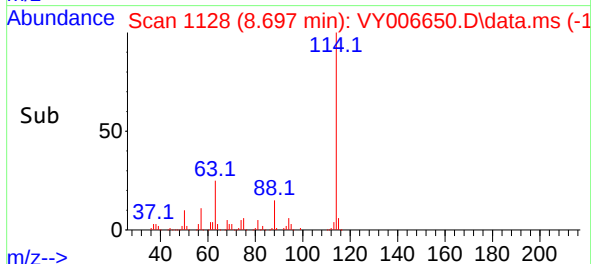
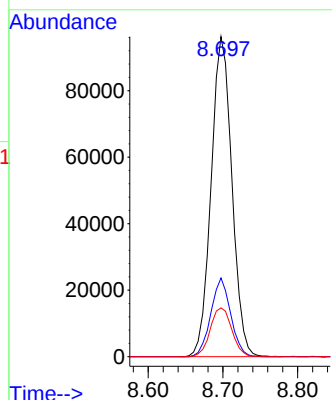
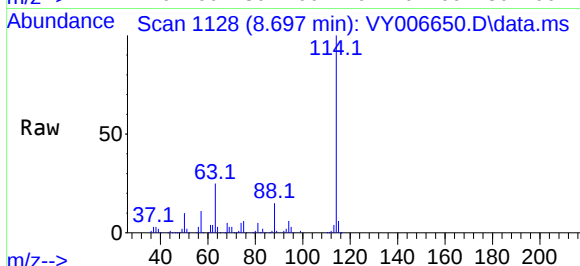
Tgt Ion:114 Resp: 185524

Ion Ratio Lower Upper

114 100

63 24.6 0.0 45.0

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.313 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006650.D

Acq: 05 Nov 2021 12:29

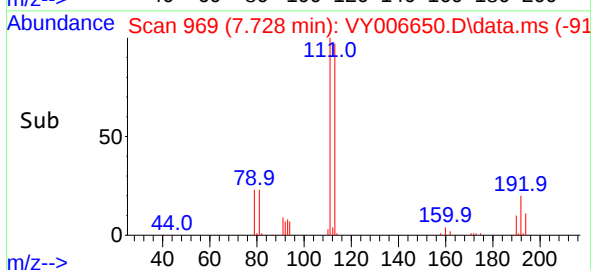
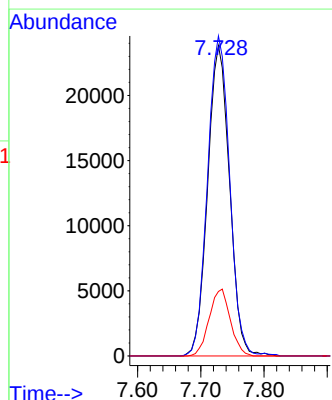
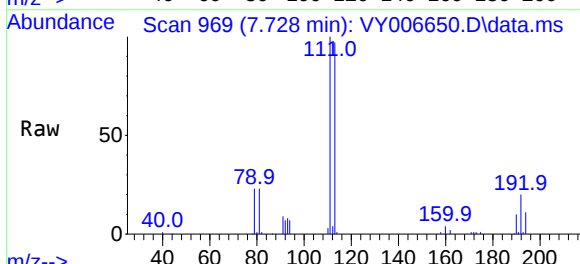
Tgt Ion:113 Resp: 57197

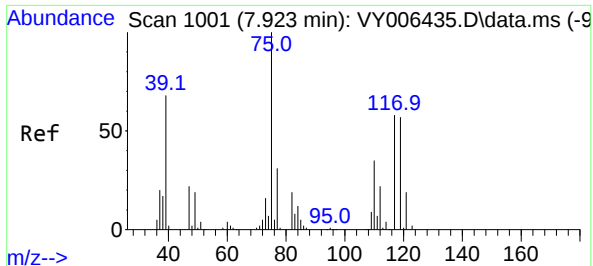
Ion Ratio Lower Upper

113 100

111 104.1 82.3 123.5

192 20.8 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY006650.D

Acq: 05 Nov 2021 12:29

Instrument :

MSVOA_Y

ClientSampleId :

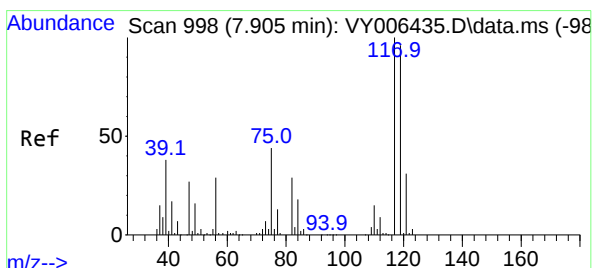
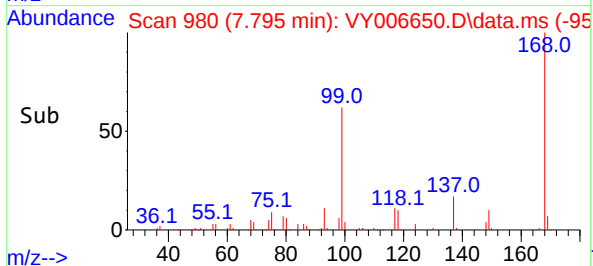
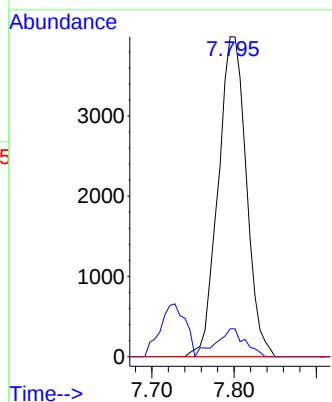
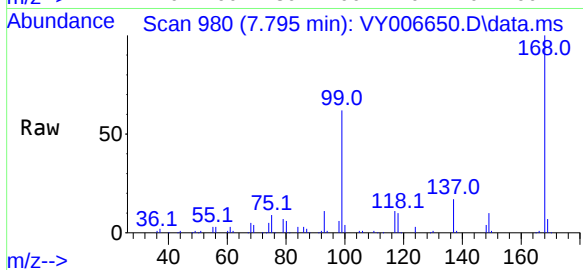
Tgt Ion: 75 Resp: 9479

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY006650.D

Acq: 05 Nov 2021 12:29

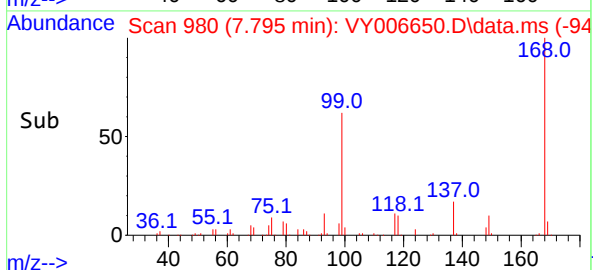
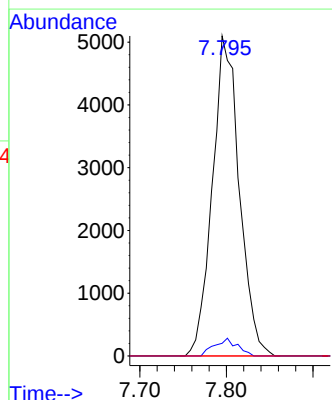
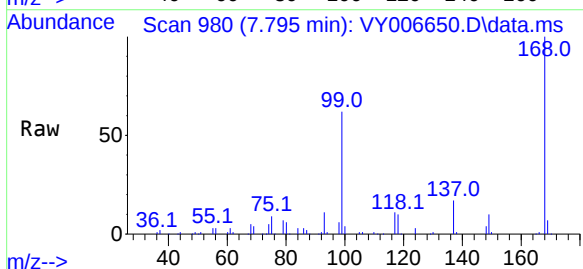
Tgt Ion: 117 Resp: 11012

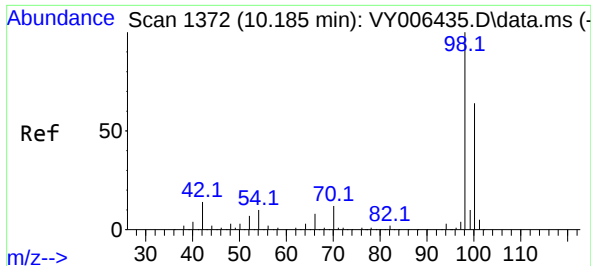
Ion Ratio Lower Upper

117 100

119 3.9 76.6 115.0#

121 0.0 24.7 37.1#

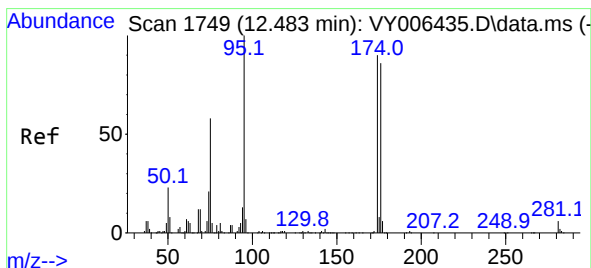
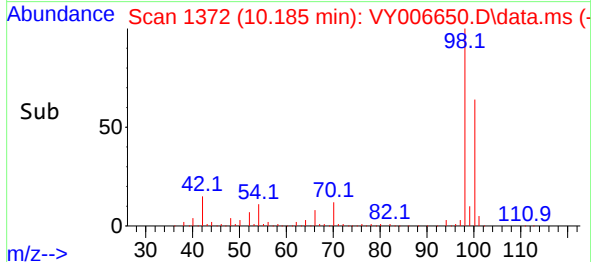
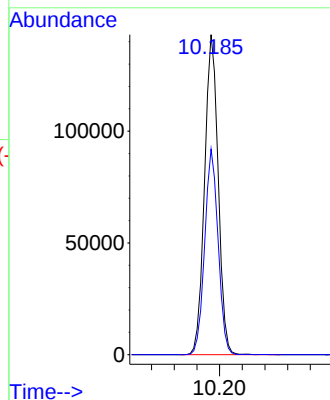
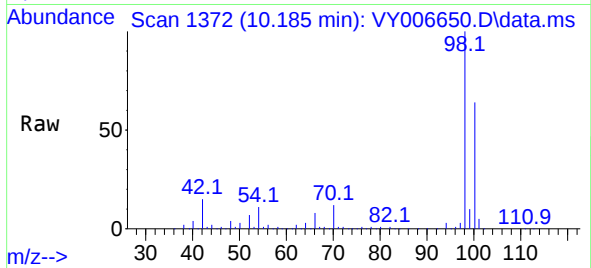




#50
Toluene-d8
Concen: 54.344 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

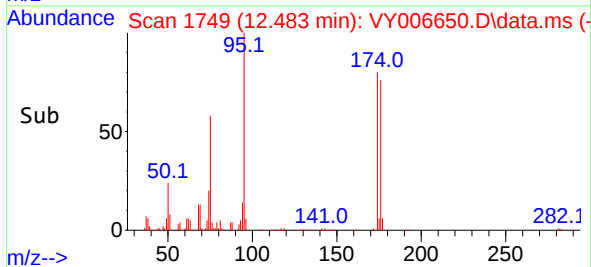
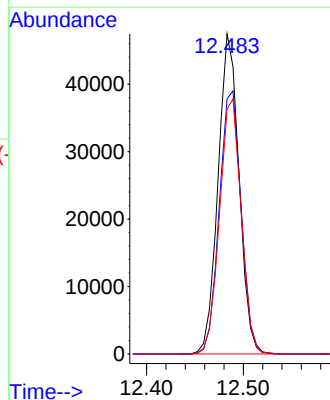
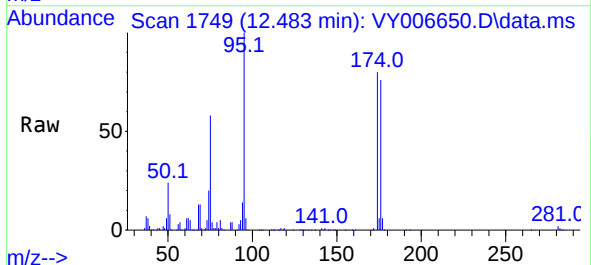
Instrument :
MSVOA_Y
ClientSampleId :

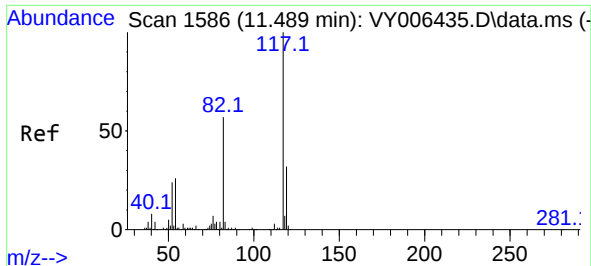
Tgt Ion: 98 Resp: 238220
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.287 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Tgt Ion: 95 Resp: 71302
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 82.4 0.0 169.4

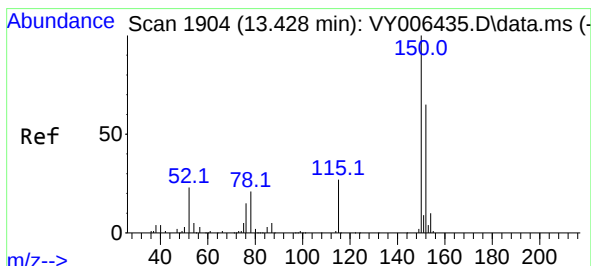
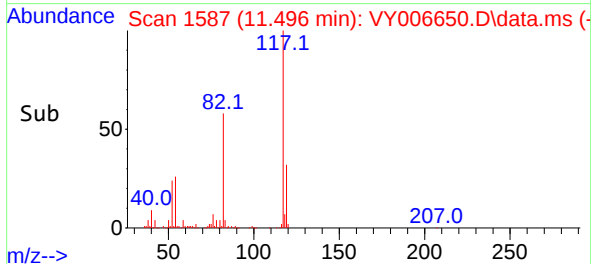
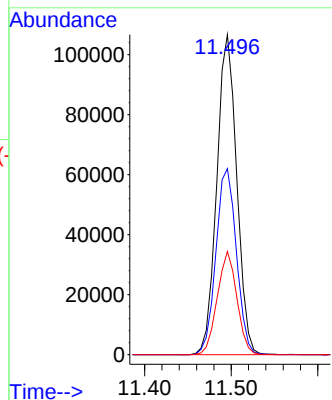
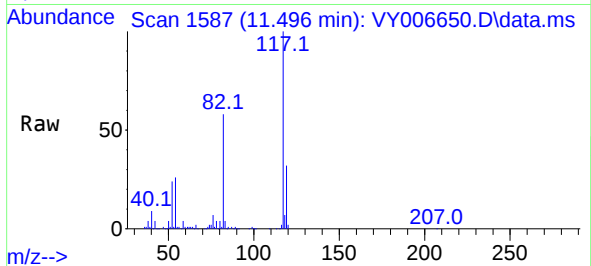




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

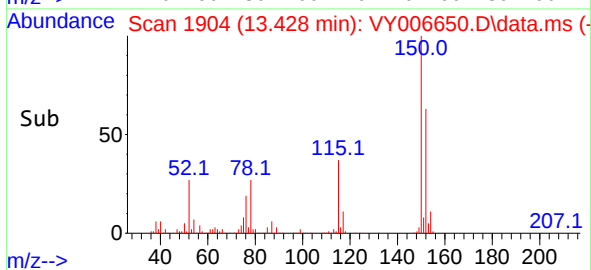
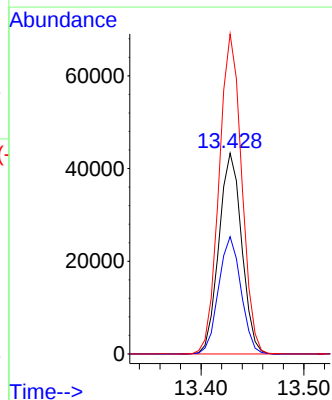
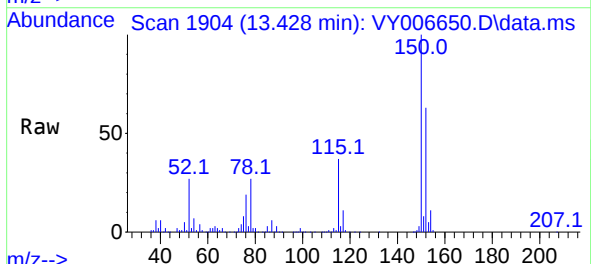
Instrument :
MSVOA_Y
ClientSampleId :

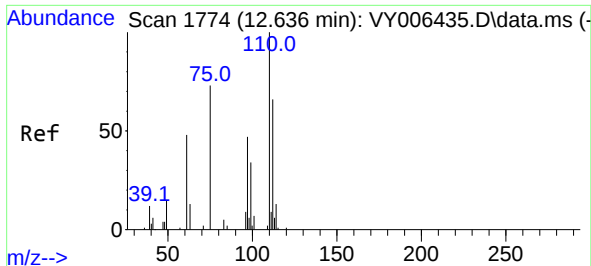
Tgt Ion:117 Resp: 170670
Ion Ratio Lower Upper
117 100
82 58.2 45.7 68.5
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Tgt Ion:152 Resp: 66769
Ion Ratio Lower Upper
152 100
115 57.3 28.5 85.5
150 157.8 0.0 348.2

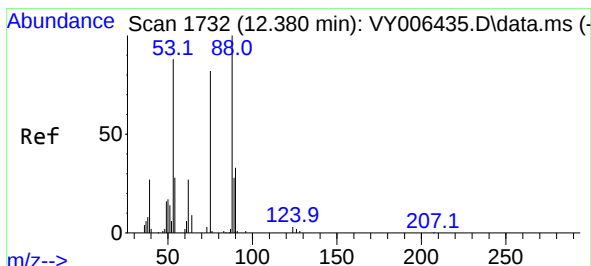
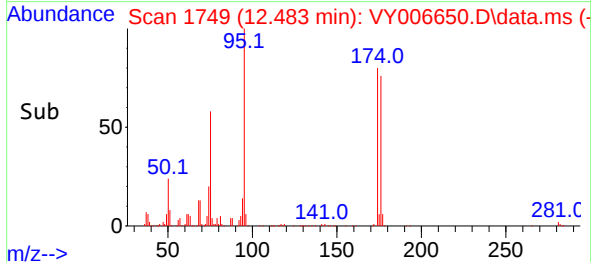
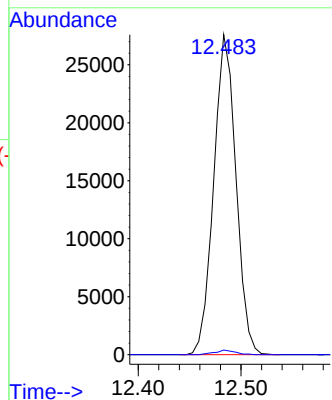
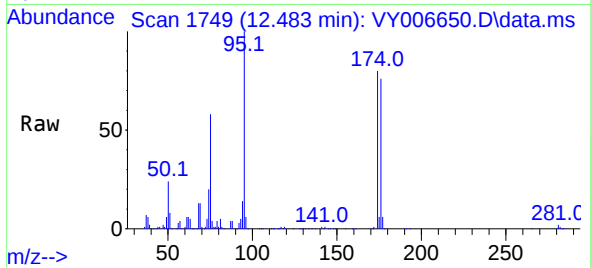




#76
1,2,3-Trichloropropane
Concen: 60.255 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 41458
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.702 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006650.D
Acq: 05 Nov 2021 12:29

Tgt Ion: 75 Resp: 41458
Ion Ratio Lower Upper
75 100
53 0.2 85.8 128.6#
89 0.0 39.3 58.9#

