

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100421\
 Data File : VY006289.D
 Acq On : 04 Oct 2021 20:15
 Operator : SY/MD
 Sample : M4041-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 N-1

Quant Time: Oct 05 06:39:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

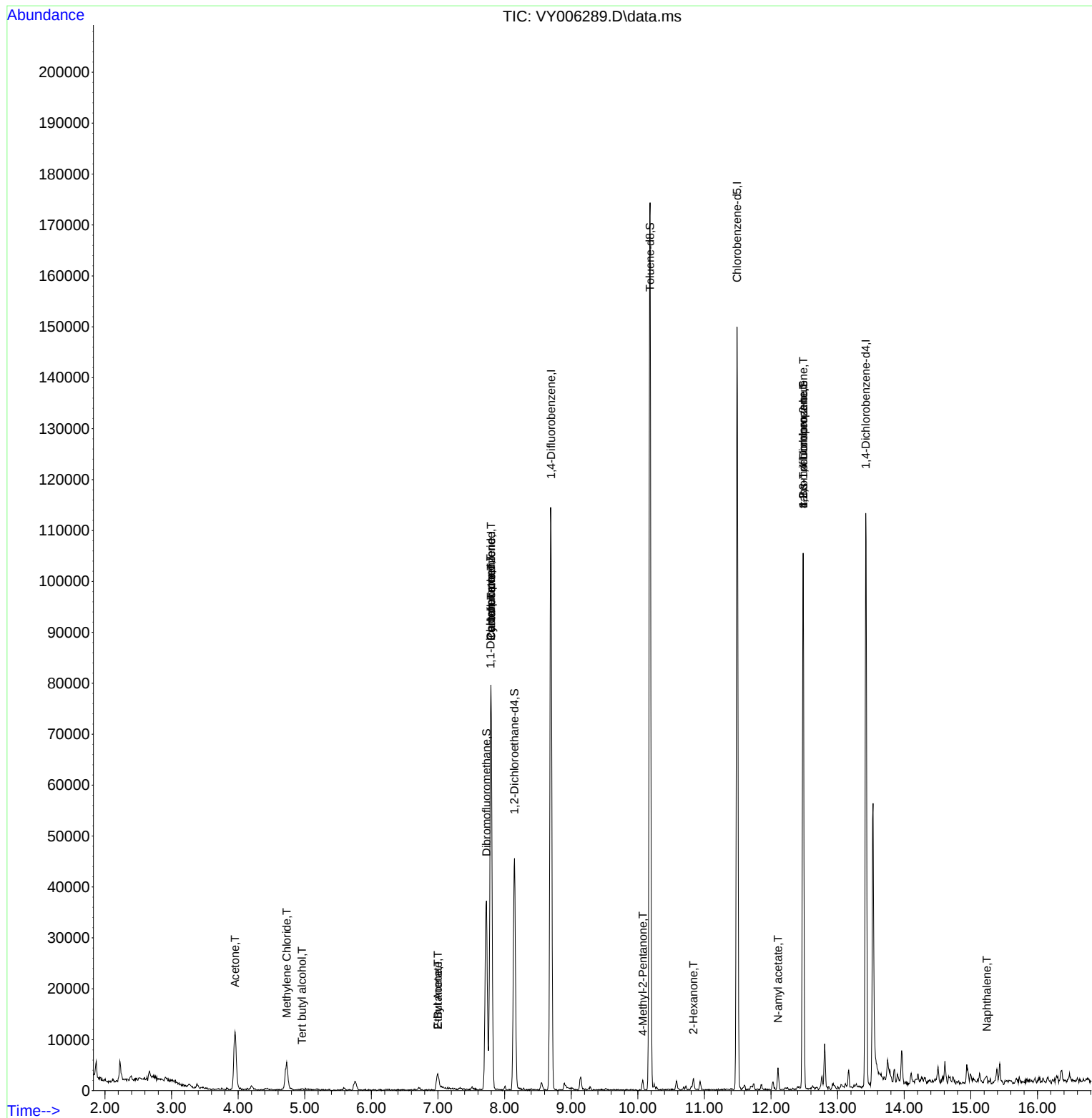
Internal Standards						
1) Pentafluorobenzene	7.795	168	61691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	93875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	76755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	28103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	37452	56.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.440%			
35) Dibromofluoromethane	7.728	113	25689	51.221	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.185	98	111548	53.143	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.280%			
62) 4-Bromofluorobenzene	12.483	95	29175	40.915	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.820%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	159	2.753	ug/l #	77
16) Acetone	3.954	43	20336	110.273	ug/l	99
20) Methylene Chloride	4.728	84	3704	2.251	ug/l	89
25) 2-Butanone	6.996	43	4906	19.098	ug/l #	87
31) Cyclohexane	7.795	56	1407	1.125	ug/l #	32
36) 1,1-Dichloropropene	7.789	75	4869	5.213	ug/l #	47
37) Ethyl Acetate	6.996	43	4906	9.017	ug/l #	72
38) Carbon Tetrachloride	7.795	117	6109	6.194	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	1197	2.209	ug/l	96
59) 2-Hexanone	10.837	43	1824	4.726	ug/l	93
74) N-amyl acetate	12.105	43	2488	3.982	ug/l #	51
76) 1,2,3-Trichloropropane	12.483	75	16708	61.169	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	16708	120.205	ug/l #	7
95) Naphthalene	15.239	128	1316	1.226	ug/l #	96

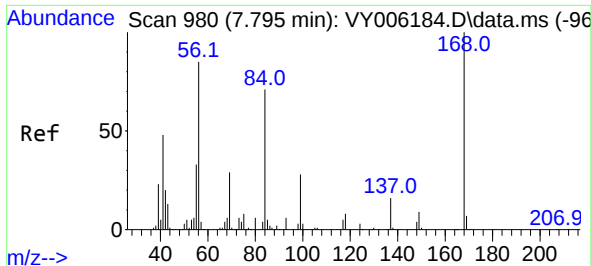
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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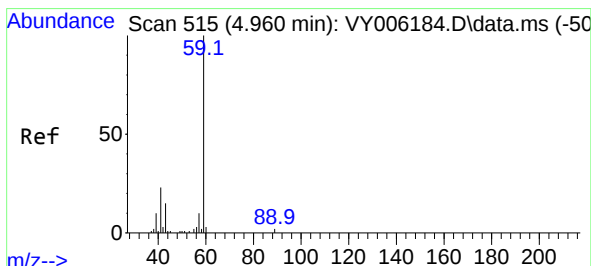
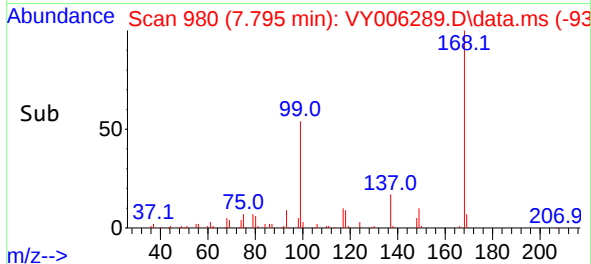
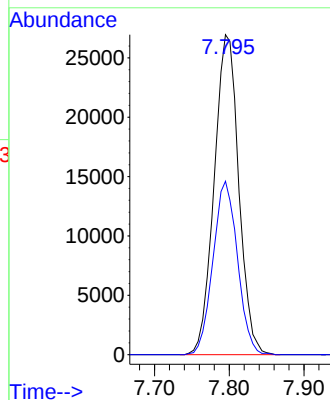
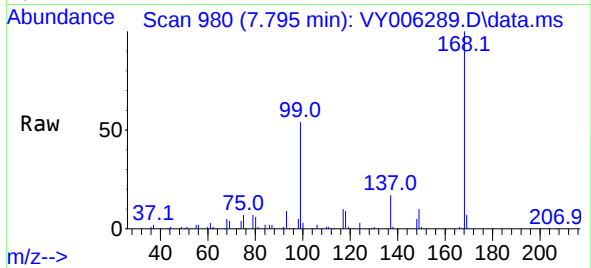




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

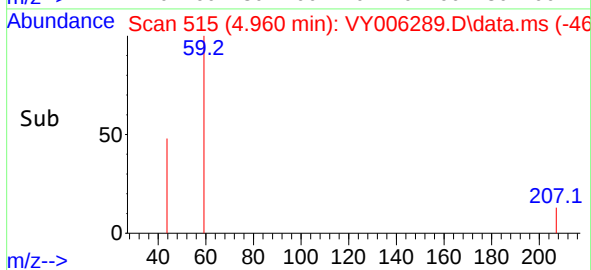
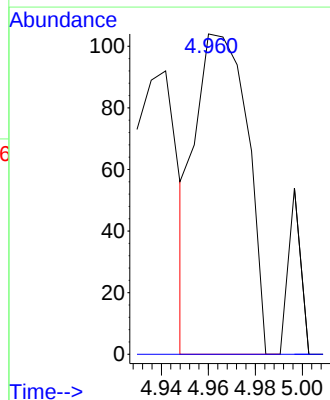
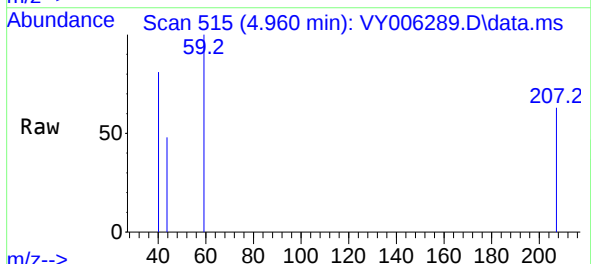
Instrument :
MSVOA_Y
ClientSampled :
N-1

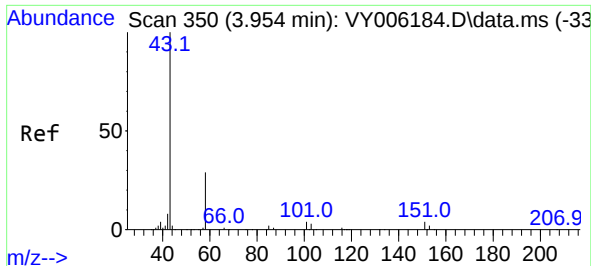
Tgt Ion:168 Resp: 61691
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.753 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

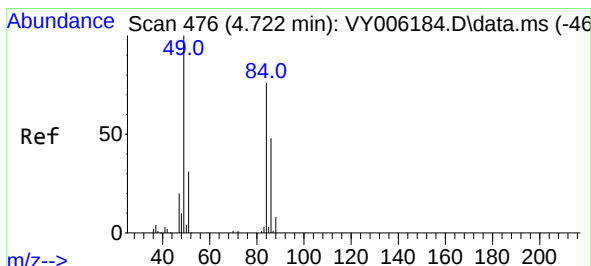
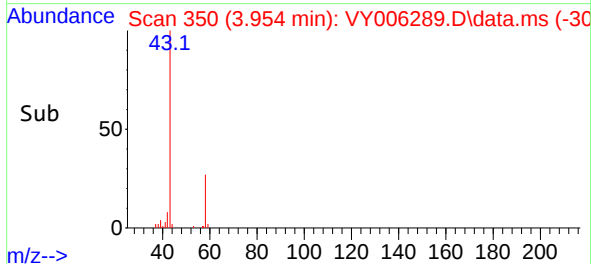
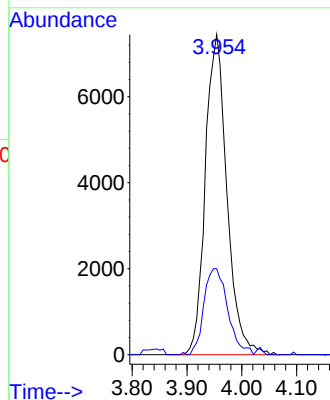
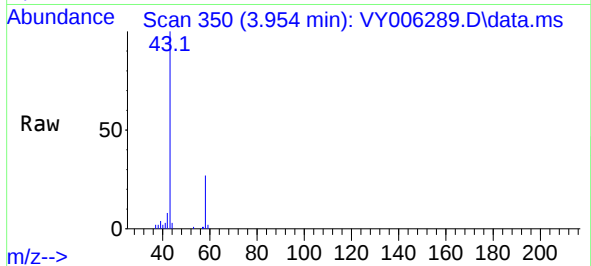




#16
Acetone
Concen: 110.273 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

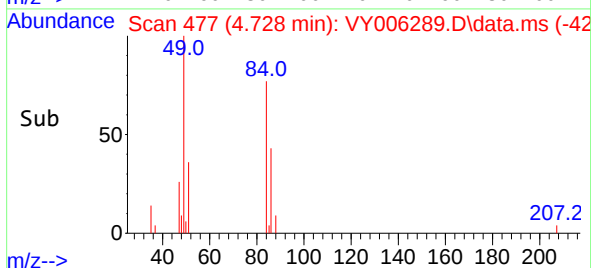
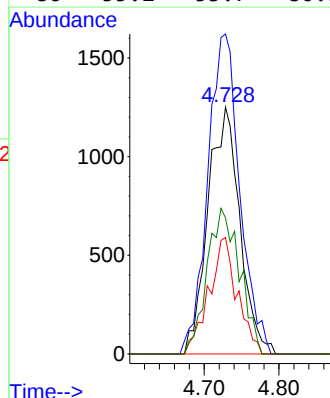
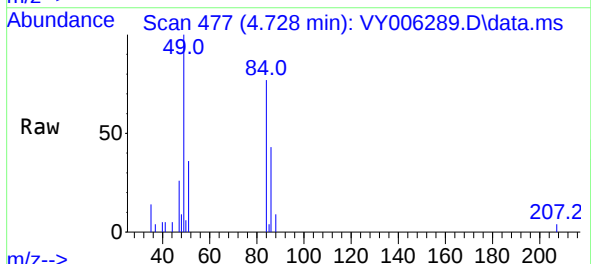
Instrument :
MSVOA_Y
ClientSampled :
N-1

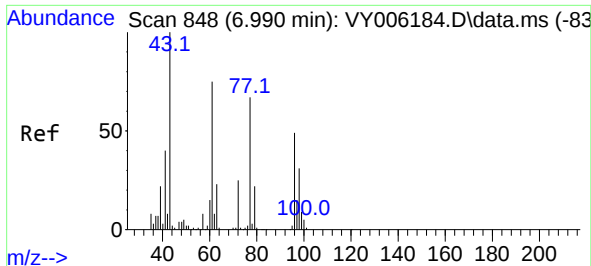
Tgt Ion: 43 Resp: 20336
Ion Ratio Lower Upper
43 100
58 26.8 22.0 33.0



#20
Methylene Chloride
Concen: 2.251 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 84 Resp: 3704
Ion Ratio Lower Upper
84 100
49 129.7 114.4 171.6
51 47.2 35.3 52.9
86 55.2 53.7 80.5





#25

2-Butanone

Concen: 19.098 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY006289.D

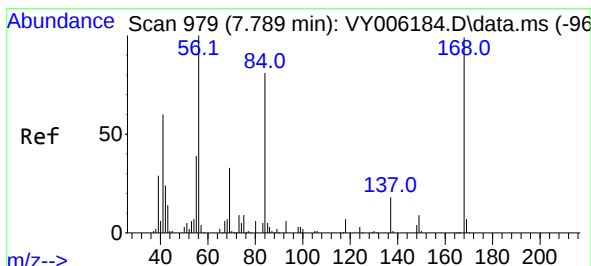
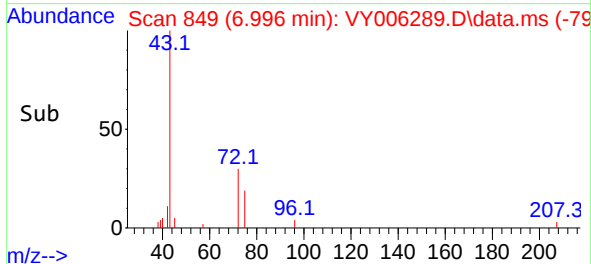
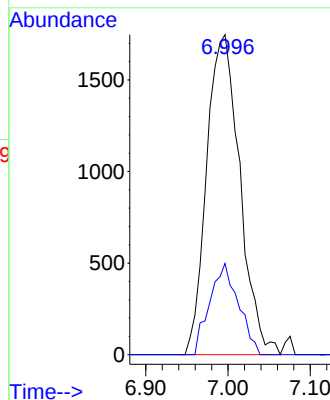
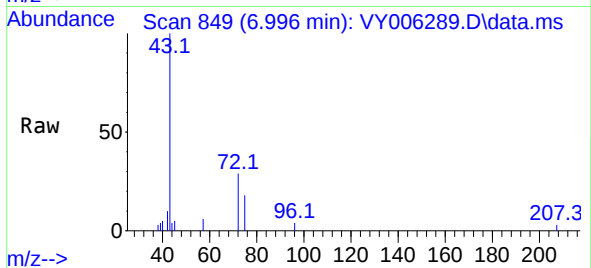
Acq: 04 Oct 2021 20:15

Tgt Ion: 43 Resp: 4906

Ion Ratio Lower Upper

43 100

72 28.5 17.7 26.5#



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY006289.D

Acq: 04 Oct 2021 20:15

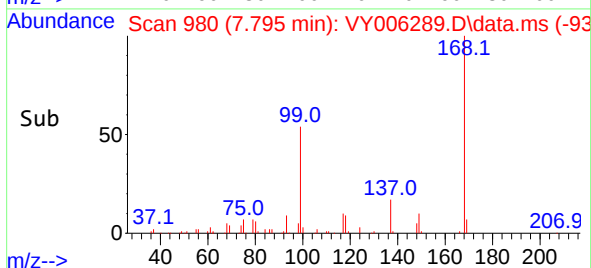
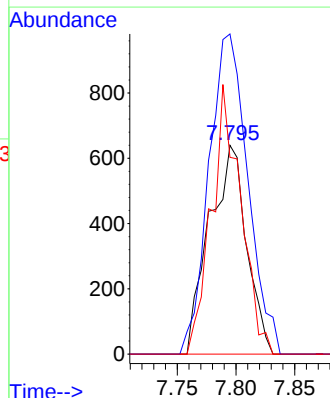
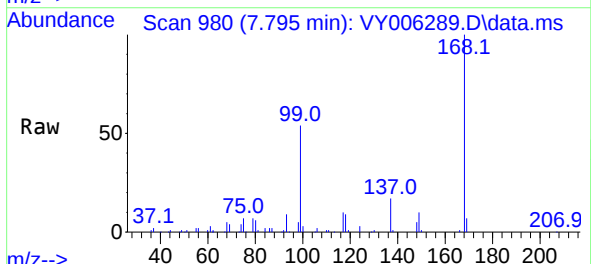
Tgt Ion: 56 Resp: 1407

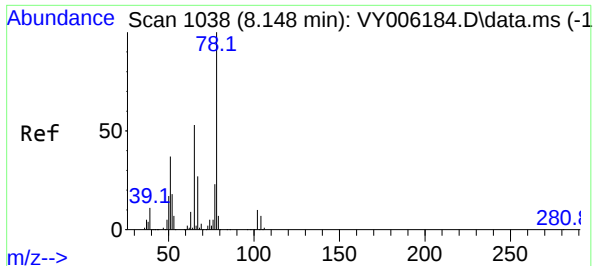
Ion Ratio Lower Upper

56 100

69 153.3 26.7 40.1#

84 94.2 67.2 100.8

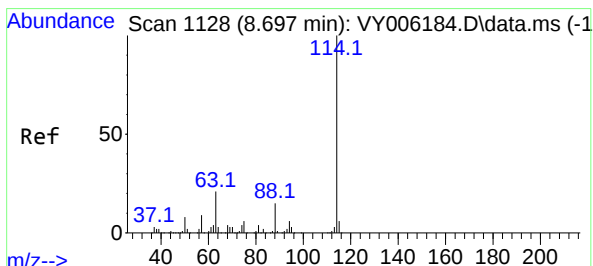
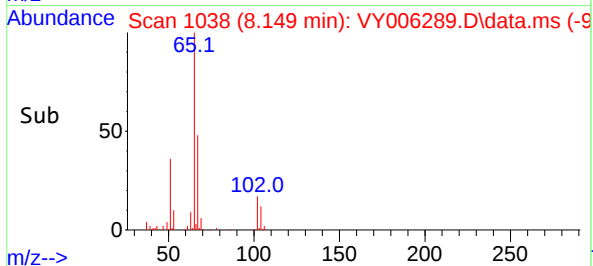
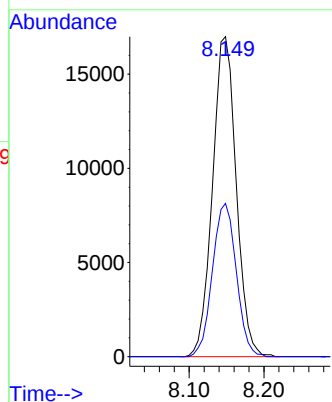
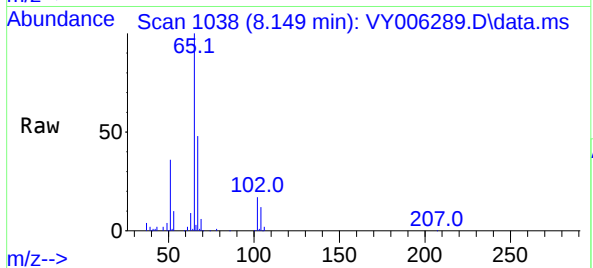




#33
1,2-Dichloroethane-d4
Concen: 56.722 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

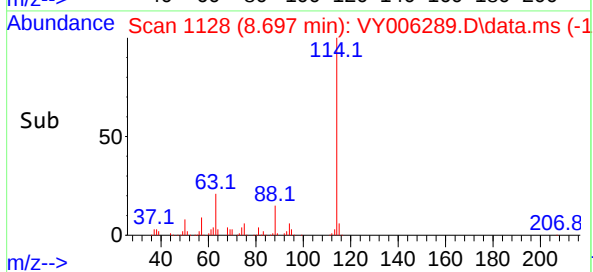
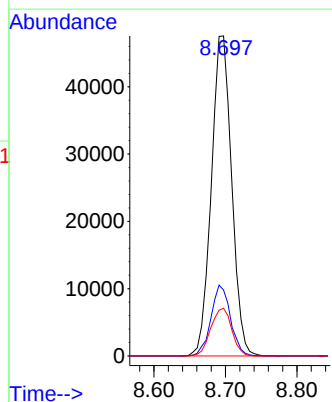
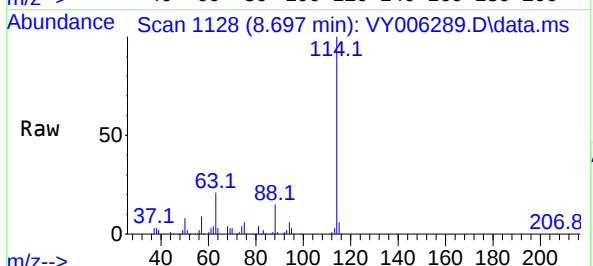
Instrument :
MSVOA_Y
ClientSampled :
N-1

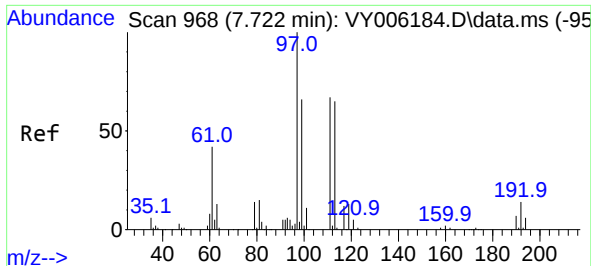
Tgt Ion: 65 Resp: 37452
Ion Ratio Lower Upper
65 100
67 48.1 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 114 Resp: 93875
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.2
88 14.9 0.0 31.8

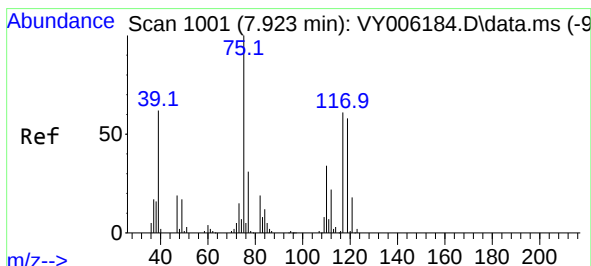
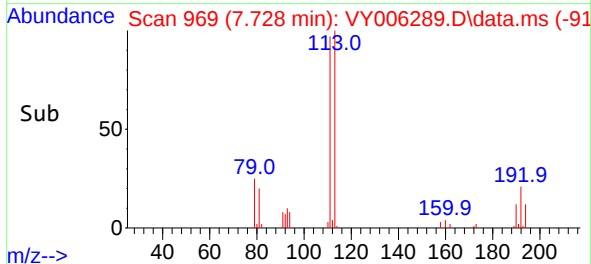
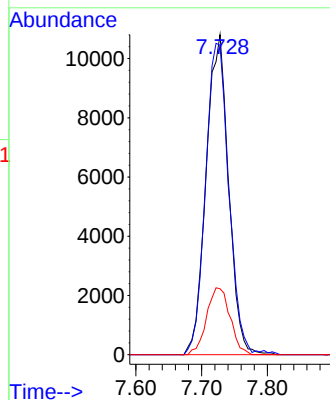
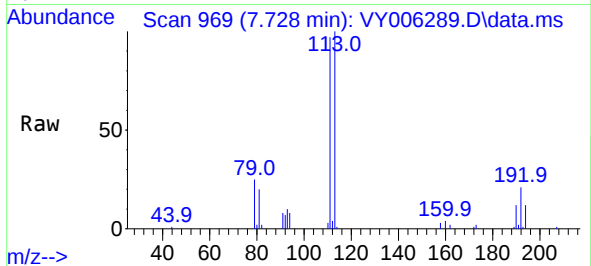




#35
Dibromofluoromethane
Concen: 51.221 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

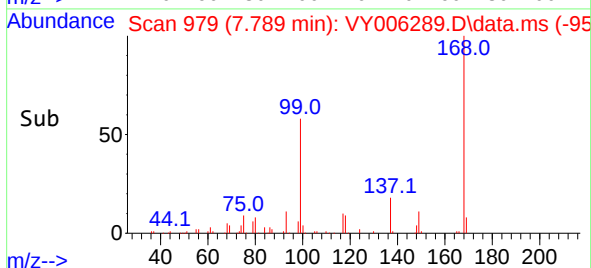
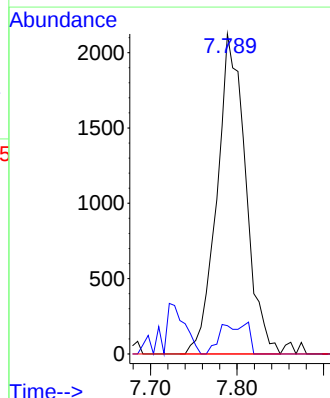
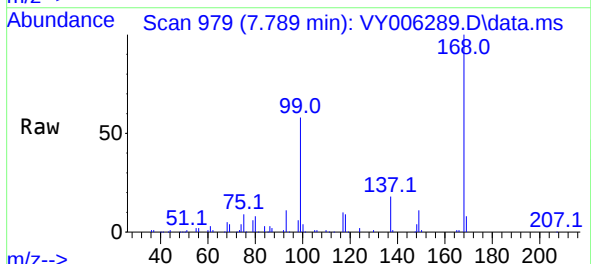
Instrument :
MSVOA_Y
ClientSampleId :
N-1

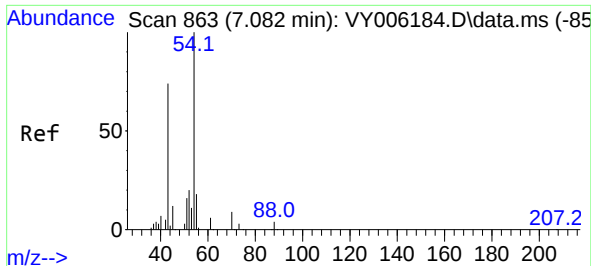
Tgt Ion:113 Resp: 25689
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 21.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.213 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 75 Resp: 4869
Ion Ratio Lower Upper
75 100
110 5.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.017 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY006289.D

Acq: 04 Oct 2021 20:15

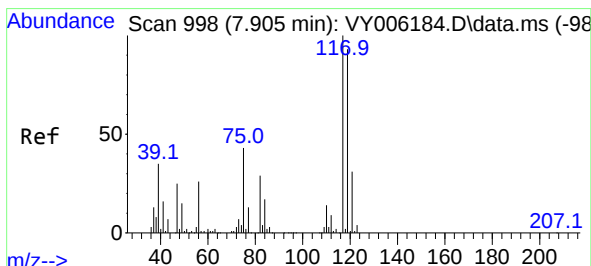
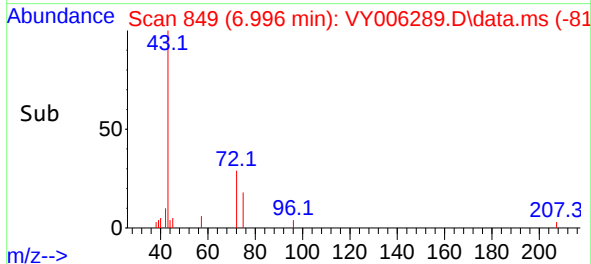
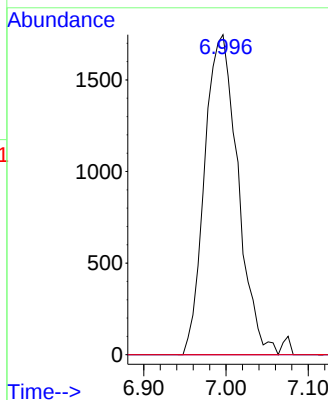
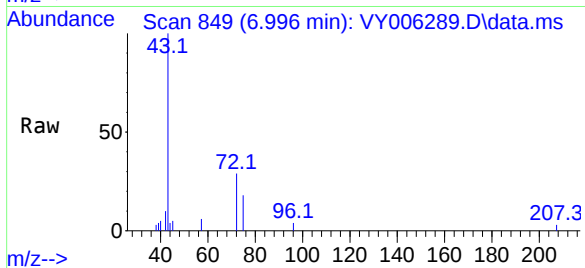
Instrument :

MSVOA_Y

ClientSampleId :

N-1

Tgt Ion:	43	Resp:	4906
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

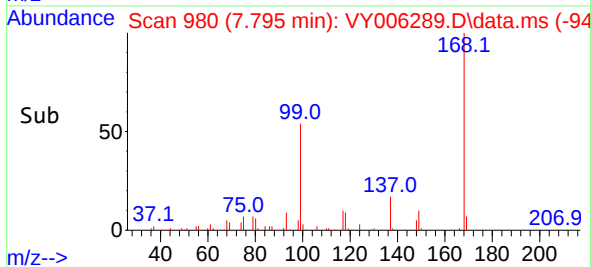
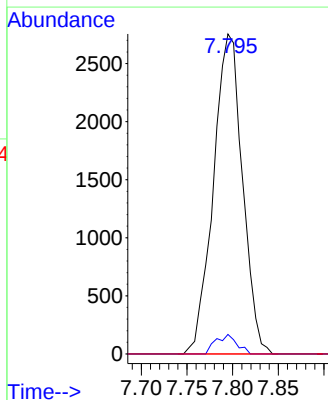
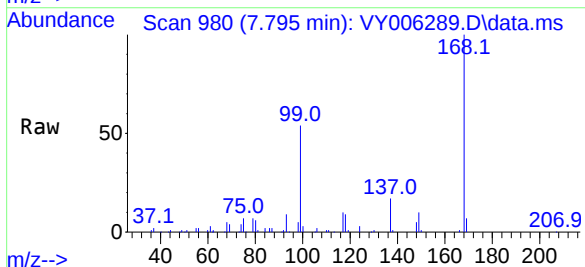
RT: 7.795 min Scan# 980

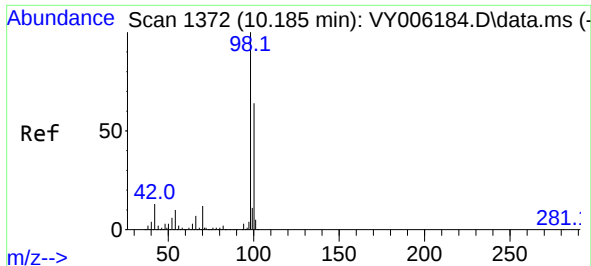
Delta R.T. -0.110 min

Lab File: VY006289.D

Acq: 04 Oct 2021 20:15

Tgt Ion:	117	Resp:	6109
Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.9	116.9#
121	0.0	24.8	37.2#

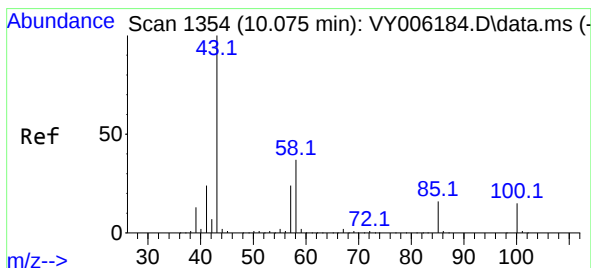
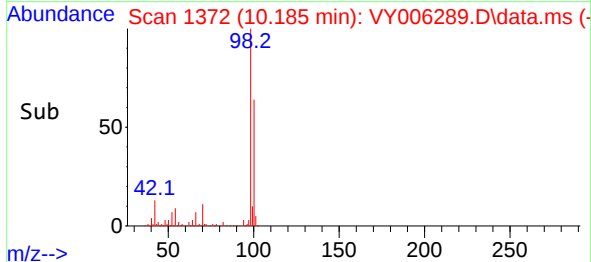
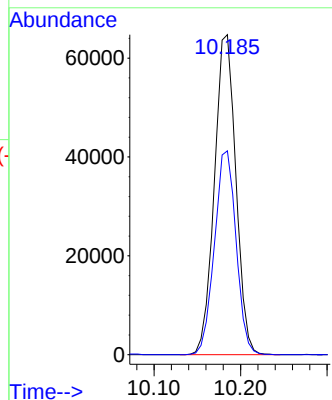
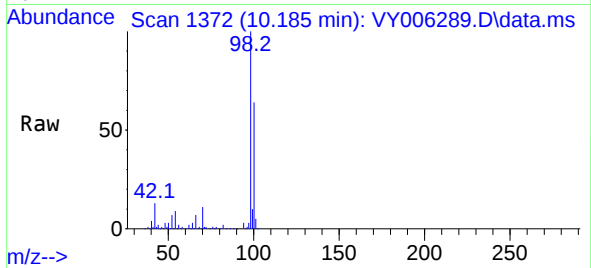




#50
Toluene-d8
Concen: 53.143 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

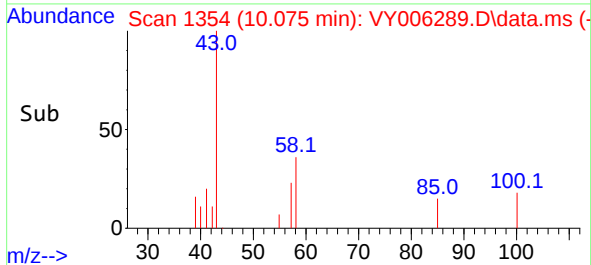
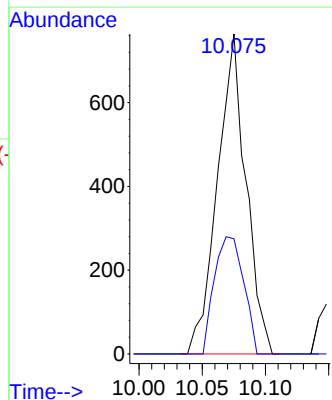
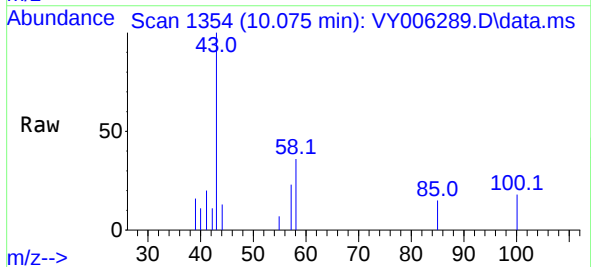
Instrument :
MSVOA_Y
ClientSampled :
N-1

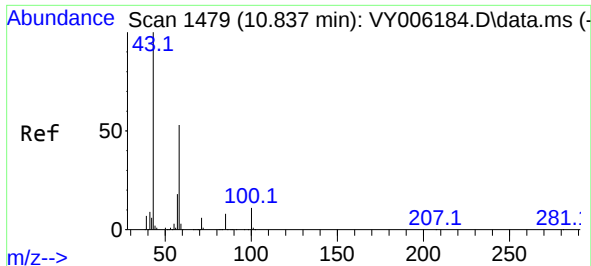
Tgt Ion: 98 Resp: 111548
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 2.209 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 37.5 28.1 42.1

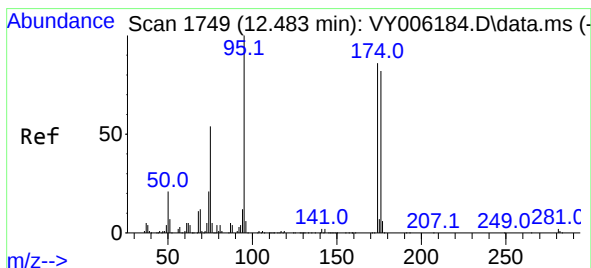
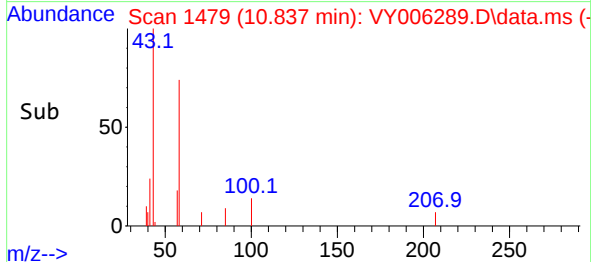
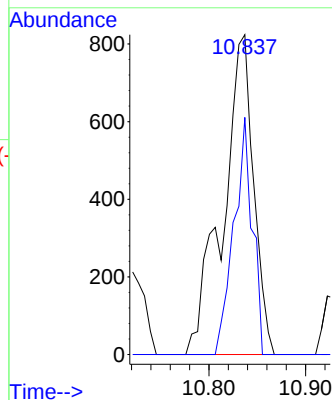
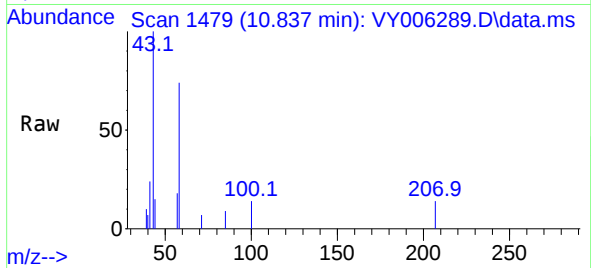




#59
2-Hexanone
Concen: 4.726 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

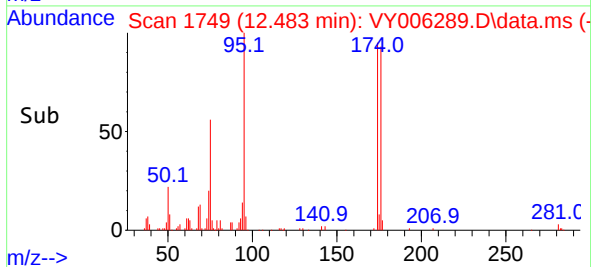
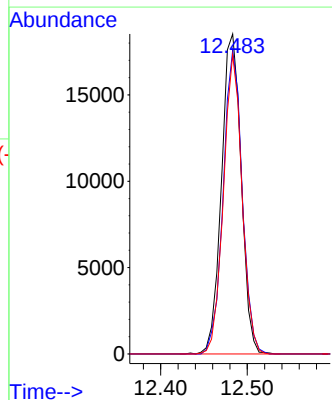
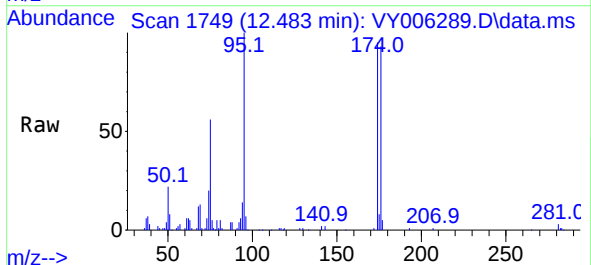
Instrument :
MSVOA_Y
ClientSampled :
N-1

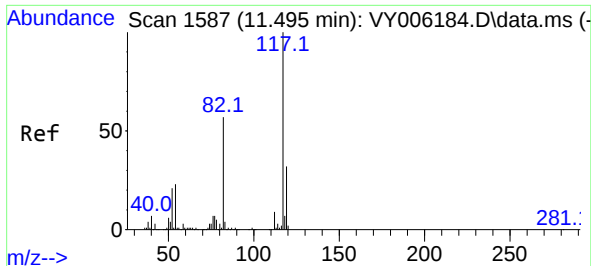
Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
58 44.4 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 40.915 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 95 Resp: 29175
Ion Ratio Lower Upper
95 100
174 91.6 0.0 177.0
176 88.5 0.0 175.8

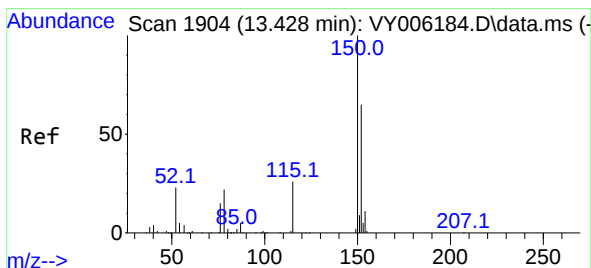
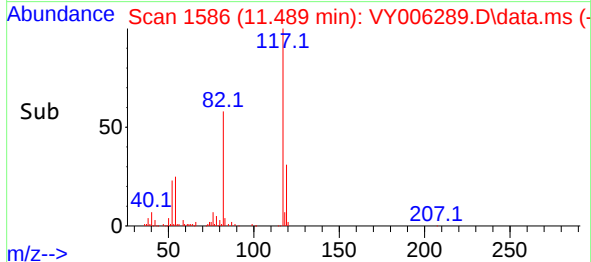
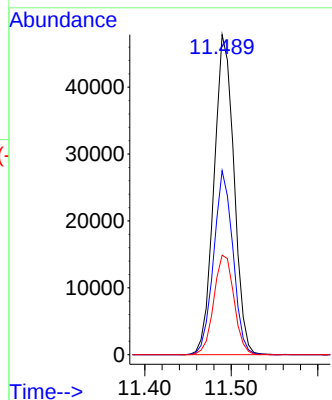
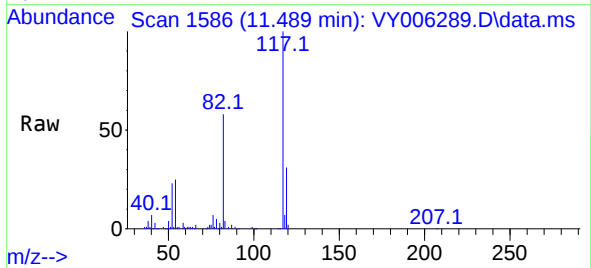




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

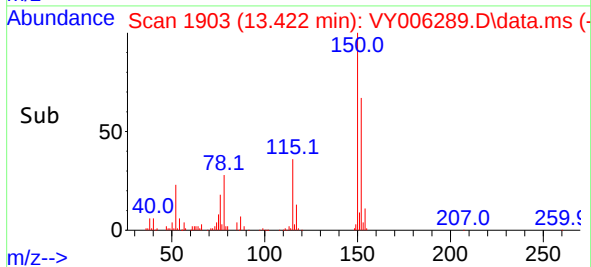
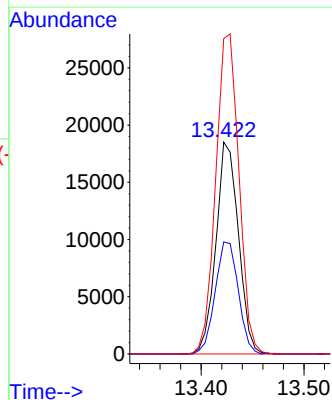
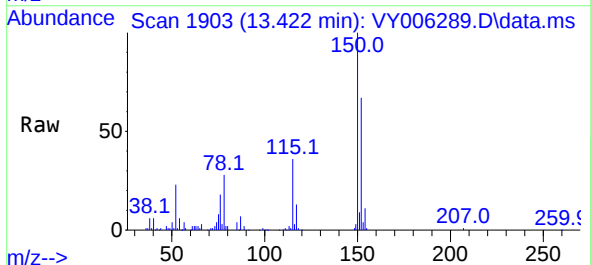
Instrument :
MSVOA_Y
ClientSampled :
N-1

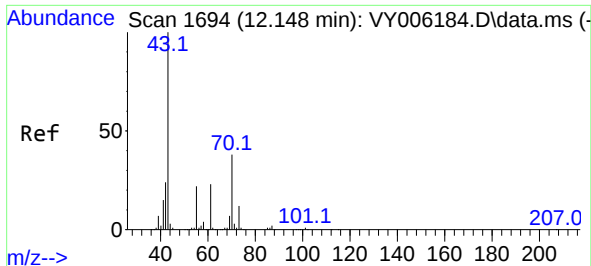
Tgt Ion:	117	Resp:	76755
Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.0	64.4
119	31.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion:	152	Resp:	28103
Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.2	84.7
150	155.8	0.0	347.6

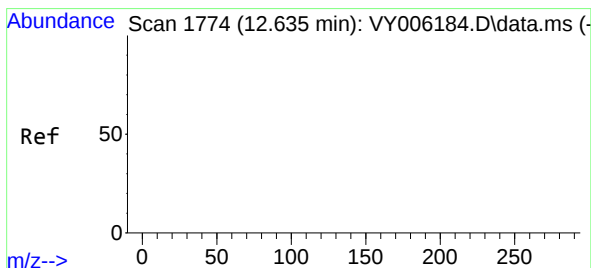
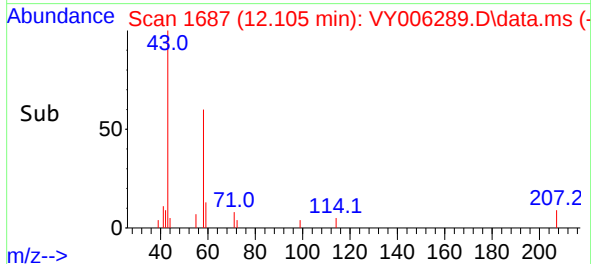
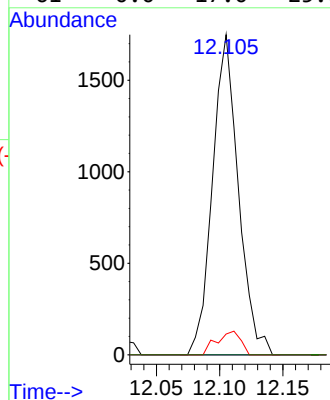
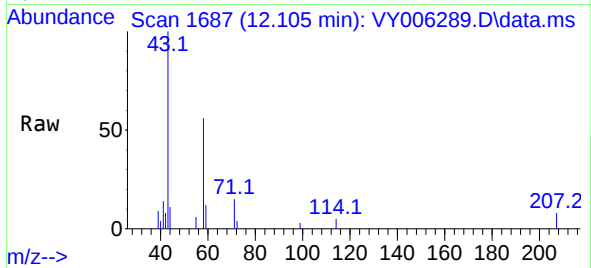




#74
N-amy1 acetate
Concen: 3.982 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

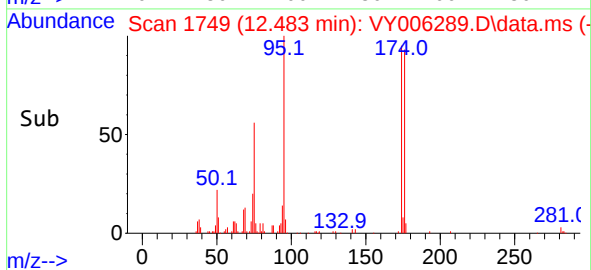
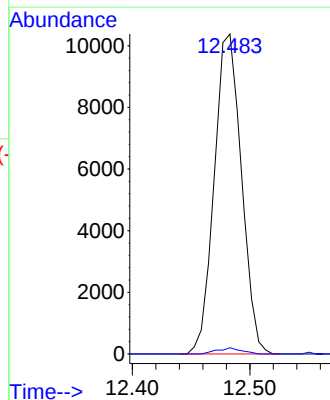
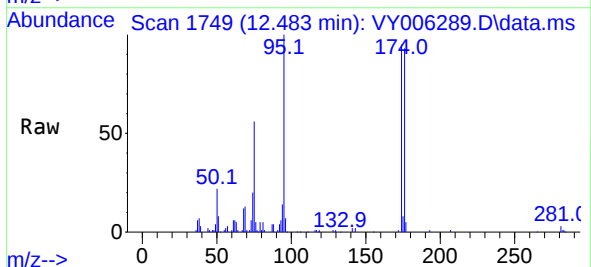
Instrument :
MSVOA_Y
ClientSampleId :
N-1

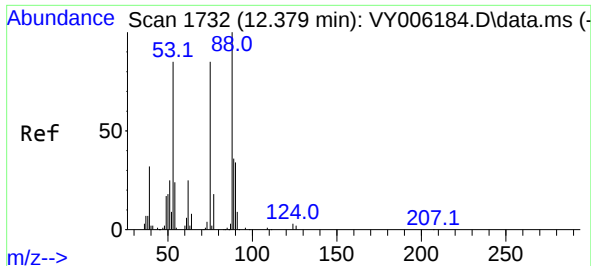
Tgt Ion: 43	Resp: 2488
Ion Ratio	Lower Upper
43 100	
70 0.0	28.7 43.1#
55 6.8	17.3 25.9#
61 0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 61.169 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 75	Resp: 16708
Ion Ratio	Lower Upper
75 100	
77 1.7	0.0 0.0#

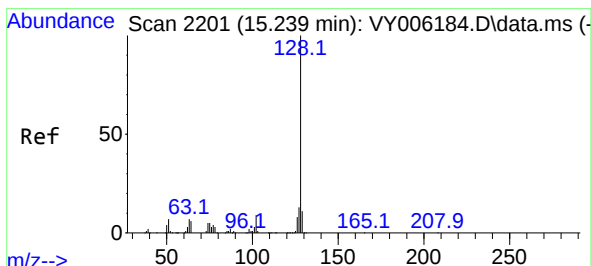
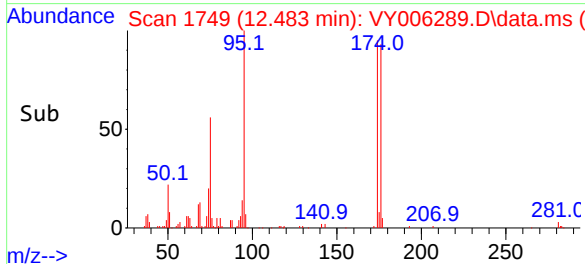
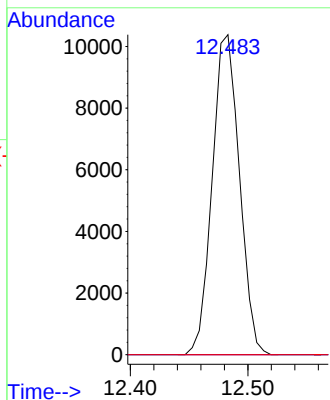
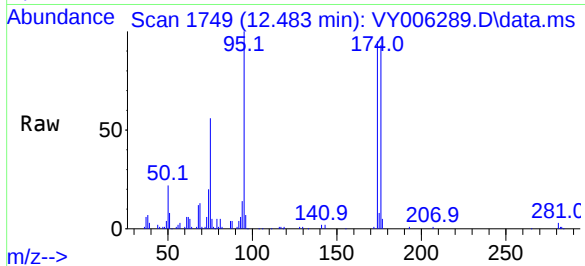




#81
trans-1,4-Dichloro-2-butene
Concen: 120.205 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Instrument :
MSVOA_Y
ClientSampleId :
N-1

Tgt Ion: 75 Resp: 16708
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.226 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY006289.D
Acq: 04 Oct 2021 20:15

Tgt Ion:128 Resp: 1316
Ion Ratio Lower Upper
128 100
127 10.7 11.0 16.4#
129 10.7 8.4 12.6

