

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082021\
 Data File : VY005798.D
 Acq On : 20 Aug 2021 17:14
 Operator : SY/MD
 Sample : M3465-05
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:09:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

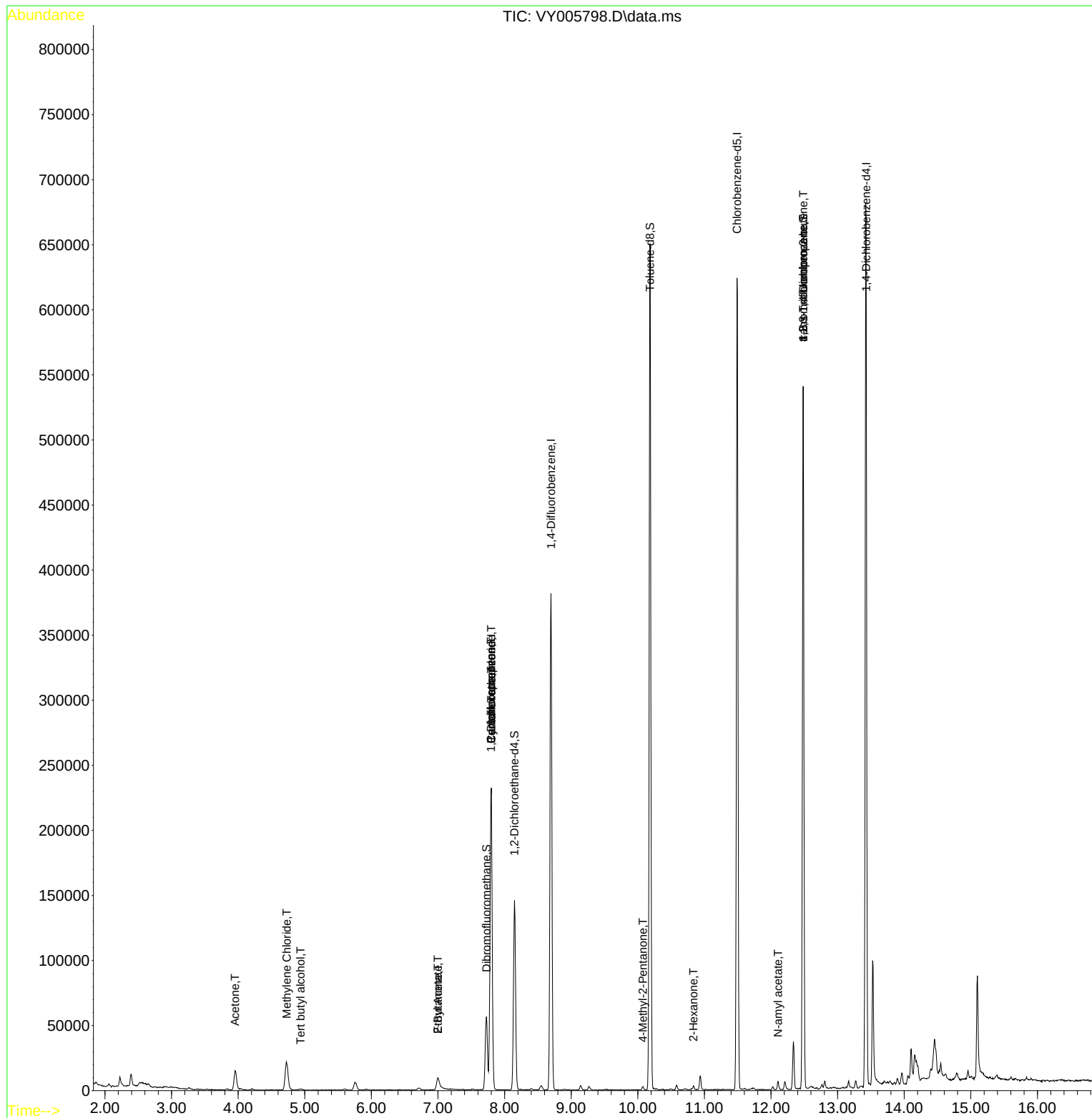
Internal Standards						
1) Pentafluorobenzene	7.801	168	187141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	322440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	336562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116846	61.682	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 123.360%		
35) Dibromofluoromethane	7.728	113	38492	21.322	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 42.640%#		
50) Toluene-d8	10.185	98	420209	55.501	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 111.000%		
62) 4-Bromofluorobenzene	12.483	95	149302	59.550	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 119.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	545	2.910	ug/l #	73
16) Acetone	3.954	43	26258	54.978	ug/l	97
20) Methylene Chloride	4.728	84	16667	3.118	ug/l #	87
25) 2-Butanone	6.996	43	8172	11.575	ug/l	100
31) Cyclohexane	7.801	56	3963	1.220	ug/l #	10
36) 1,1-Dichloropropene	7.795	75	13947	4.612	ug/l #	49
37) Ethyl Acetate	6.996	43	8172	4.460	ug/l #	75
38) Carbon Tetrachloride	7.801	117	17261	5.251	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	1968	1.077	ug/l	89
59) 2-Hexanone	10.837	43	2263	1.753	ug/l	87
74) N-amyl acetate	12.105	43	3865	1.049	ug/l #	49
76) 1,2,3-Trichloropropane	12.483	75	82850	45.579	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	82850	91.880	ug/l #	11

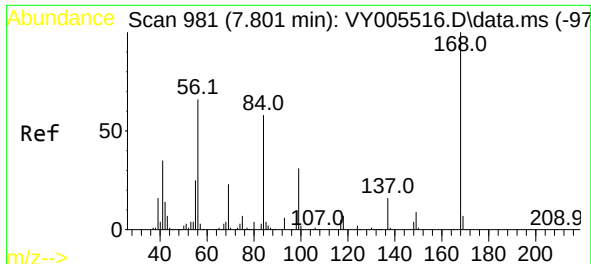
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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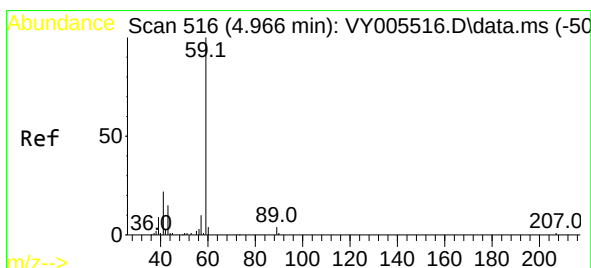
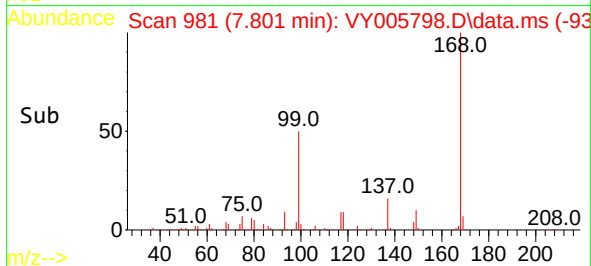
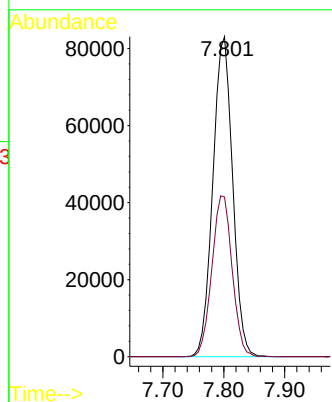
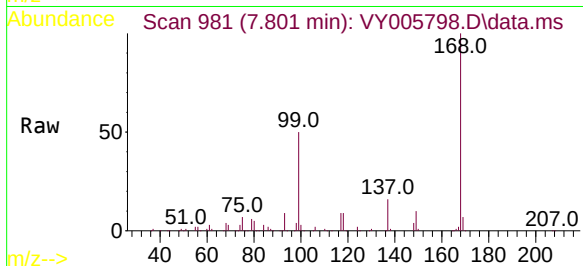




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

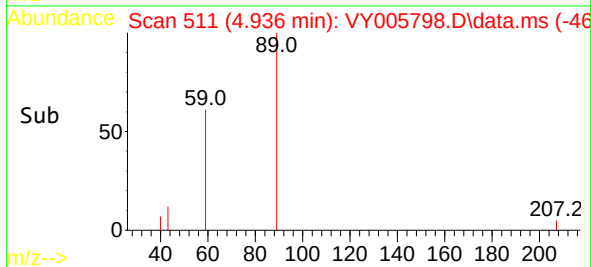
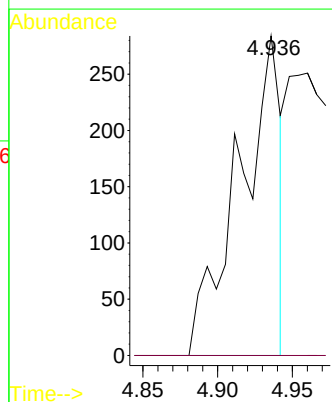
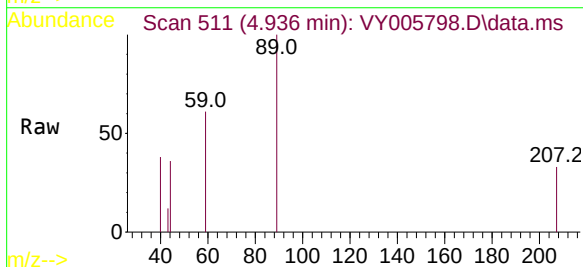
Instrument :
MSVOA_Y
ClientSampled :

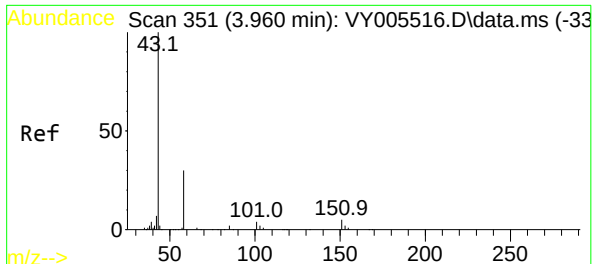
Tgt Ion:168 Resp: 187141
Ion Ratio Lower Upper
168 100
99 49.9 38.9 58.3



#11
Tert butyl alcohol
Concen: 2.910 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

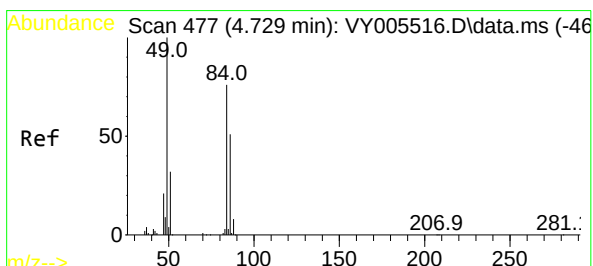
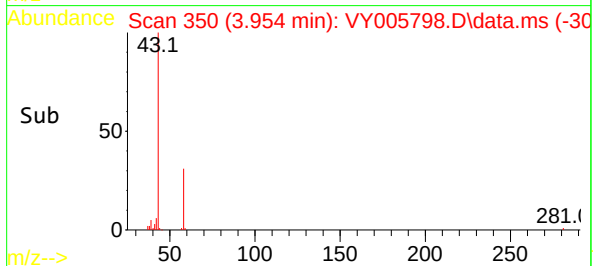
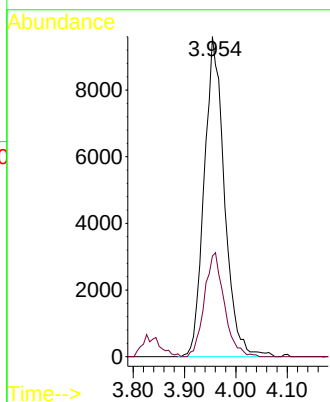
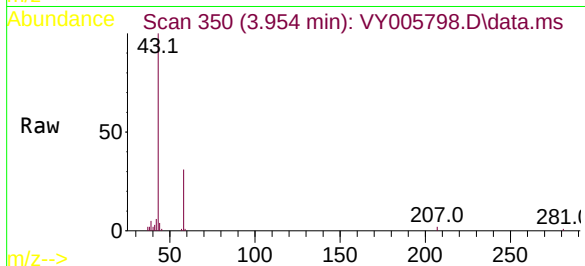




#16
Acetone
Concen: 54.978 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

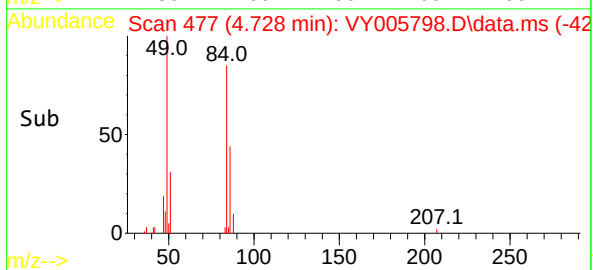
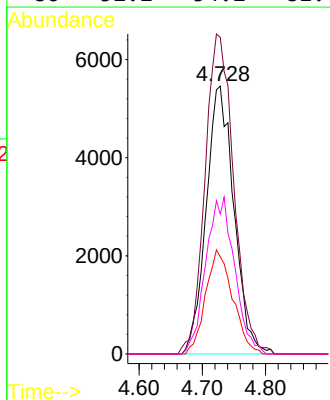
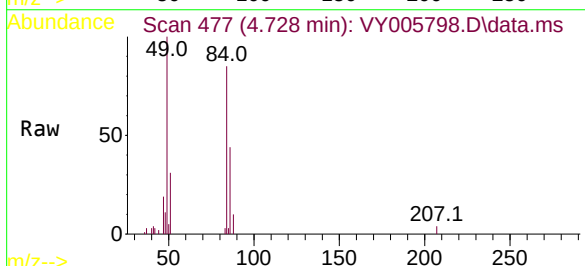
Instrument :
MSVOA_Y
ClientSampled :

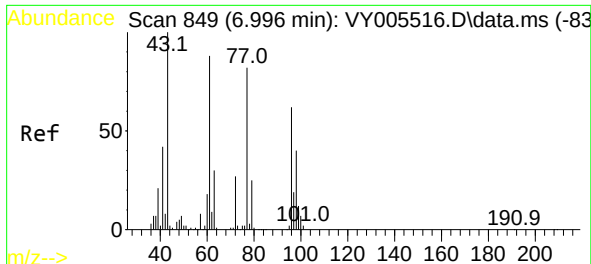
Tgt Ion: 43 Resp: 26258
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.6



#20
Methylene Chloride
Concen: 3.118 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion: 84 Resp: 16667
Ion Ratio Lower Upper
84 100
49 118.2 105.8 158.6
51 36.3 33.4 50.2
86 52.2 54.2 81.4#





#25

2-Butanone

Concen: 11.575 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY005798.D

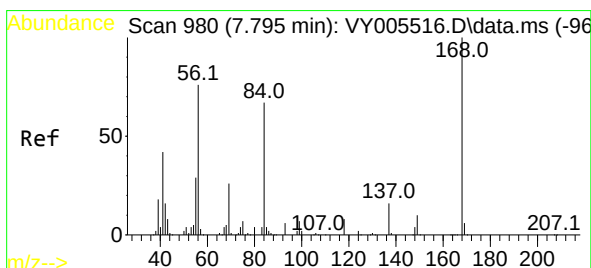
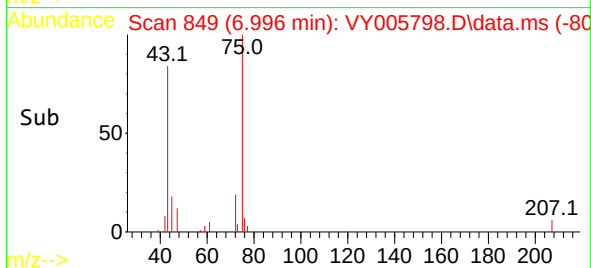
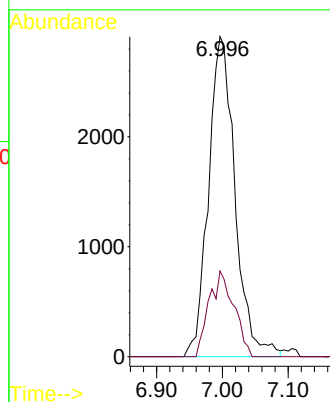
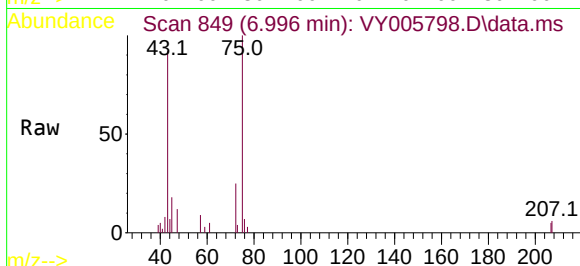
Acq: 20 Aug 2021 17:14

Tgt Ion: 43 Resp: 8172

Ion Ratio Lower Upper

43 100

72 26.8 21.4 32.2



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005798.D

Acq: 20 Aug 2021 17:14

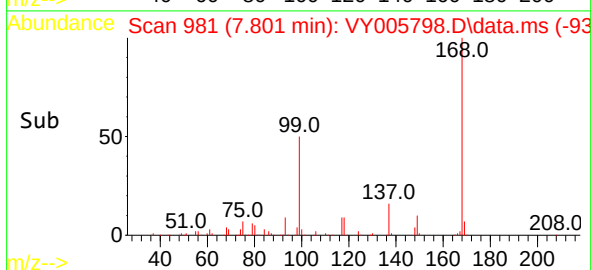
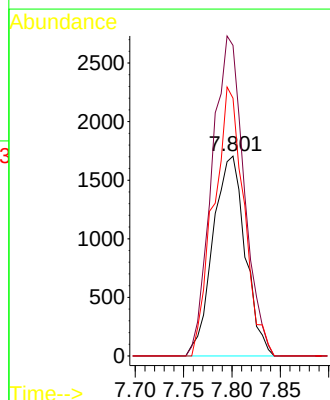
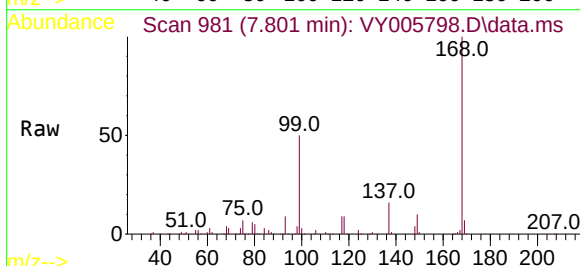
Tgt Ion: 56 Resp: 3963

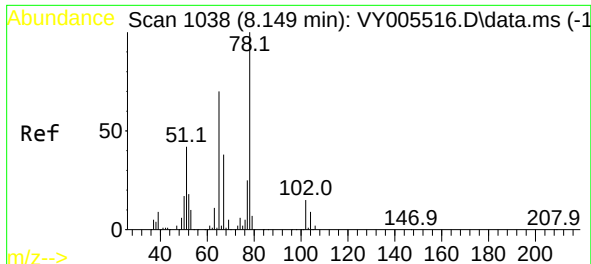
Ion Ratio Lower Upper

56 100

69 155.4 27.7 41.5#

84 129.0 70.9 106.3#

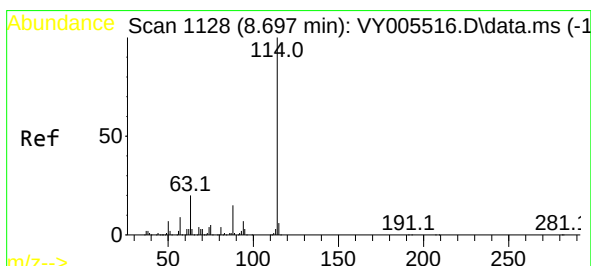
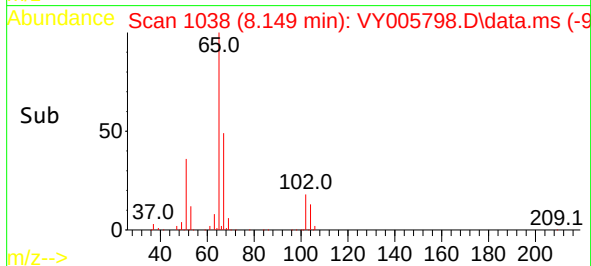
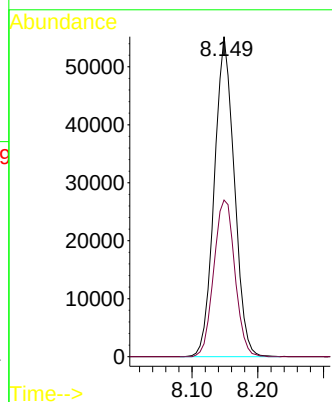
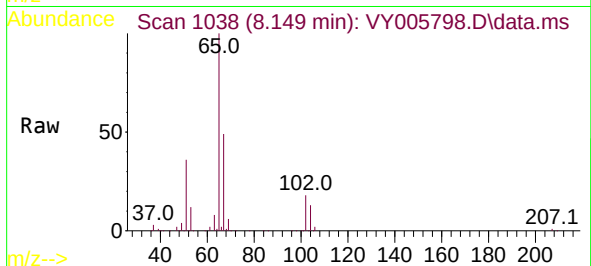




#33
1,2-Dichloroethane-d4
Concen: 61.682 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

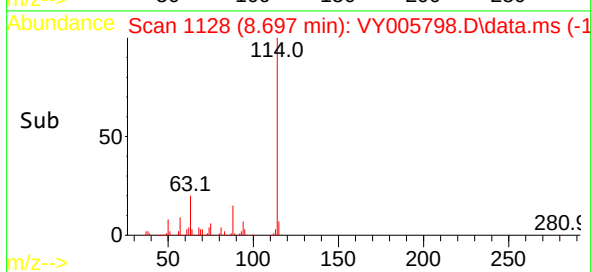
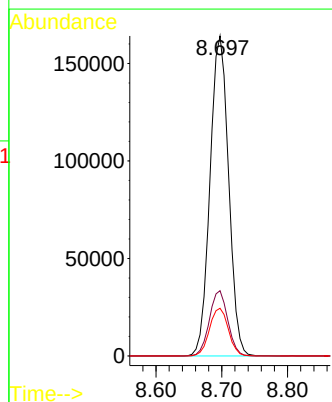
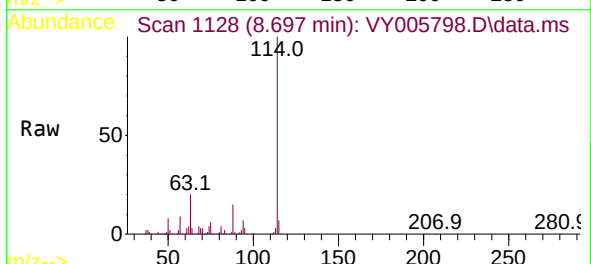
Instrument :
MSVOA_Y
ClientSampled :

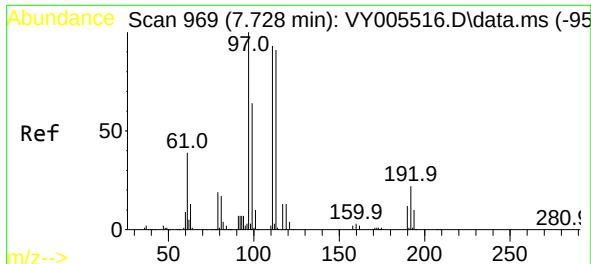
Tgt Ion: 65 Resp: 116846
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion:114 Resp: 322440
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.2
88 14.9 0.0 30.8

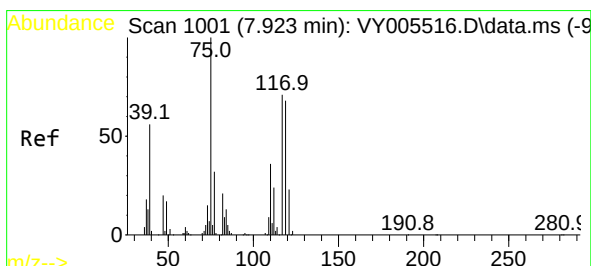
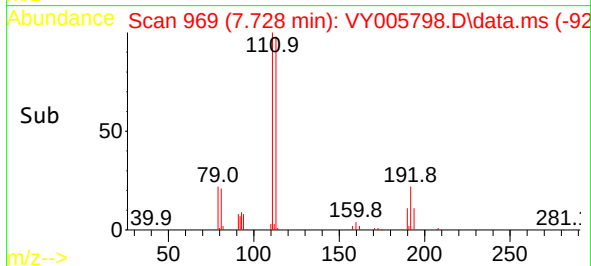
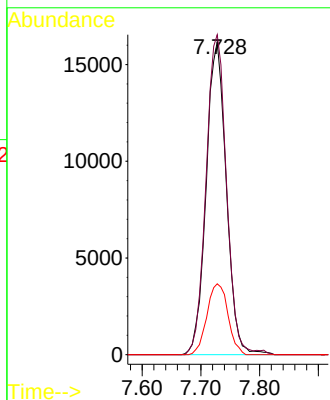
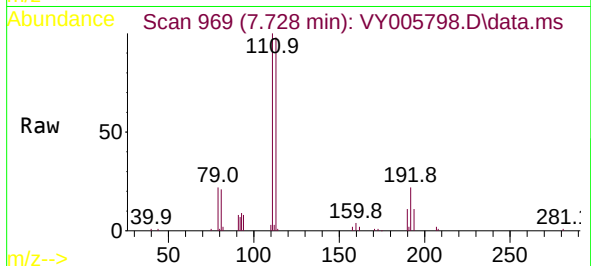




#35
Dibromofluoromethane
Concen: 21.322 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

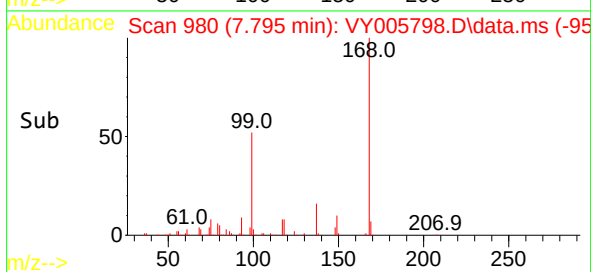
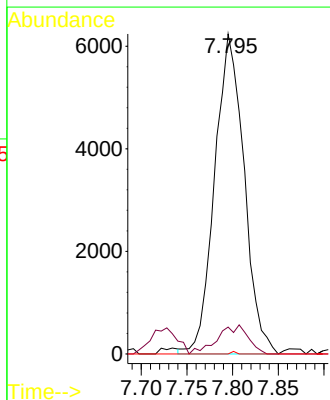
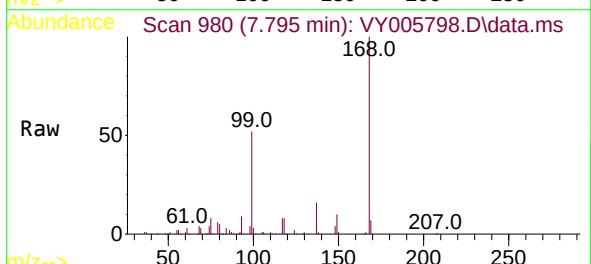
Instrument :
MSVOA_Y
ClientSampleId :

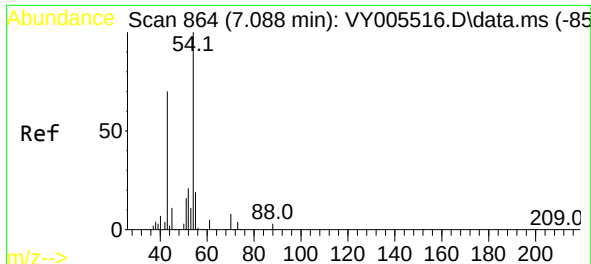
Tgt Ion:113 Resp: 38492
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 23.6 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion: 75 Resp: 13947
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.1#
77 0.1 25.1 37.7#





#37

Ethyl Acetate

Concen: 4.460 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.092 min

Lab File: VY005798.D

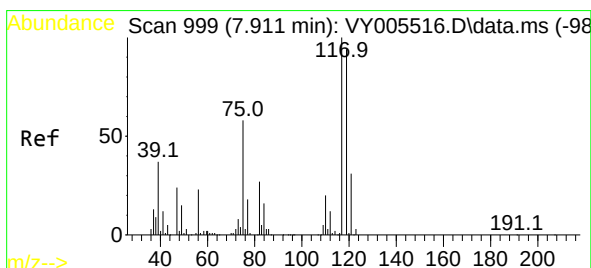
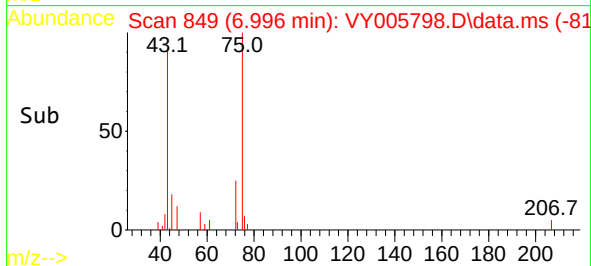
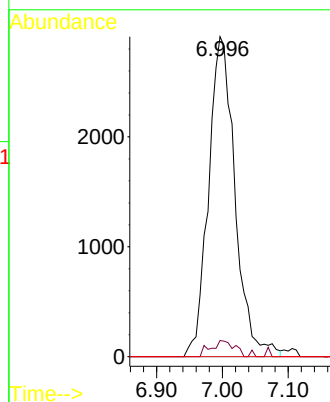
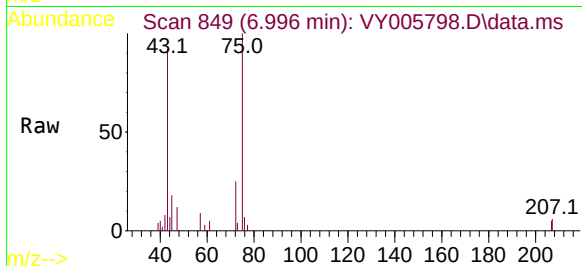
Acq: 20 Aug 2021 17:14

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	8172
Ion	Ratio	Lower	Upper
43	100		
61	4.4	10.6	15.8#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.251 ug/l

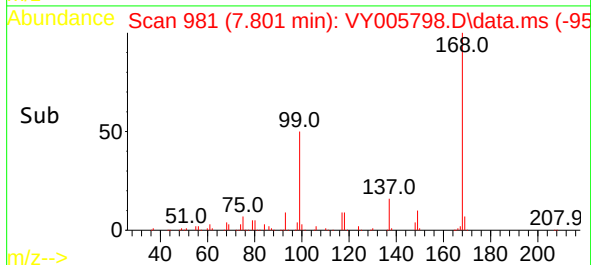
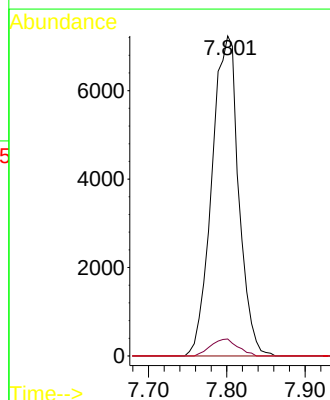
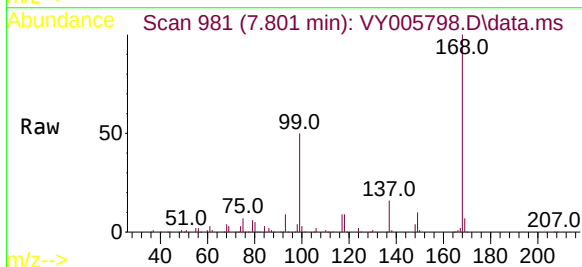
RT: 7.801 min Scan# 981

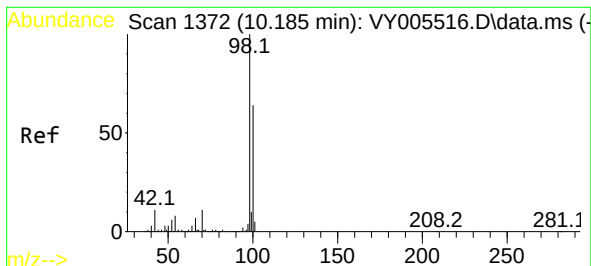
Delta R.T. -0.110 min

Lab File: VY005798.D

Acq: 20 Aug 2021 17:14

Tgt Ion:	117	Resp:	17261
Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.4	113.0#
121	0.0	25.1	37.7#

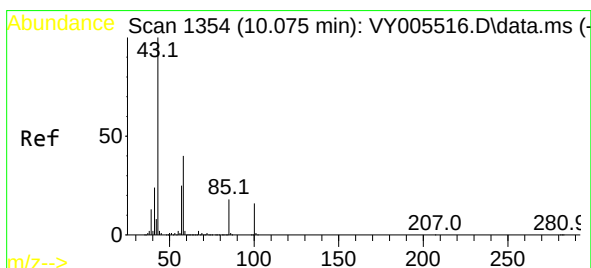
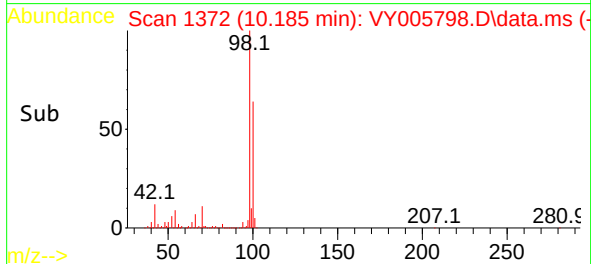
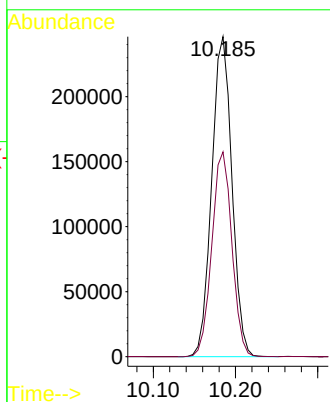
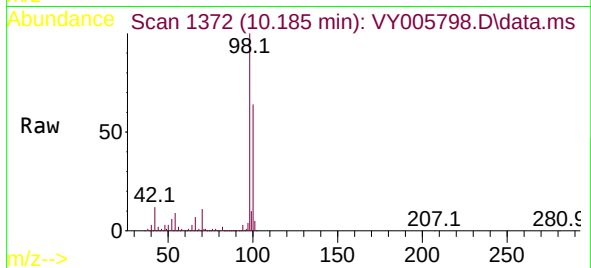




#50
Toluene-d8
Concen: 55.501 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

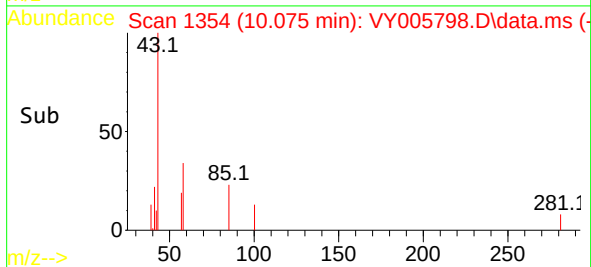
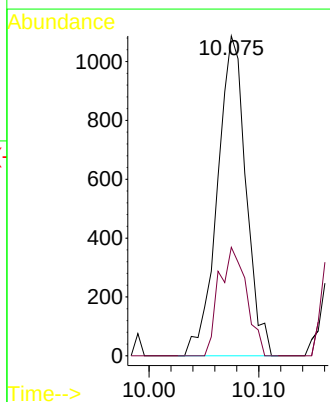
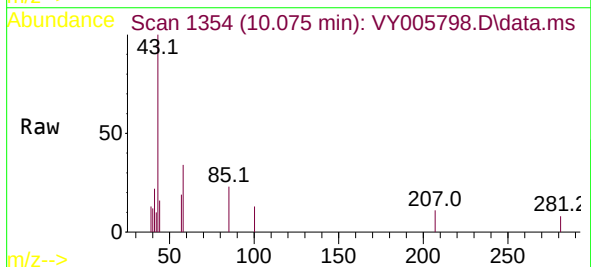
Instrument :
MSVOA_Y
ClientSampled :

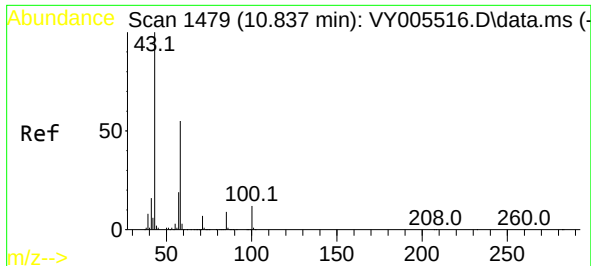
Tgt Ion: 98 Resp: 420209
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.077 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
58 32.5 31.4 47.2

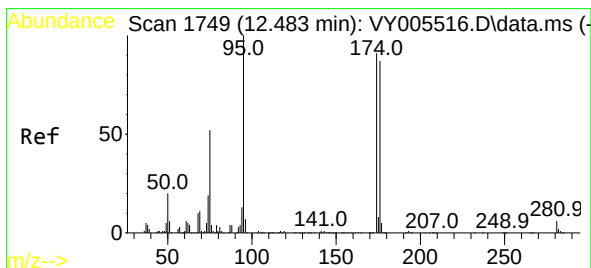
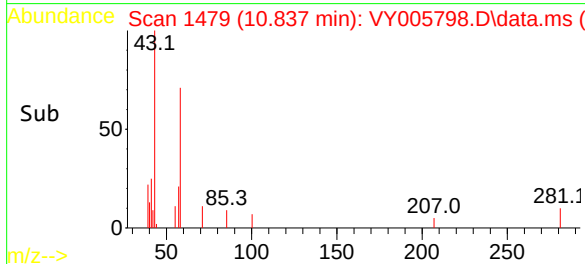
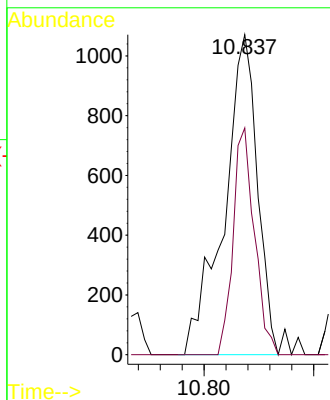
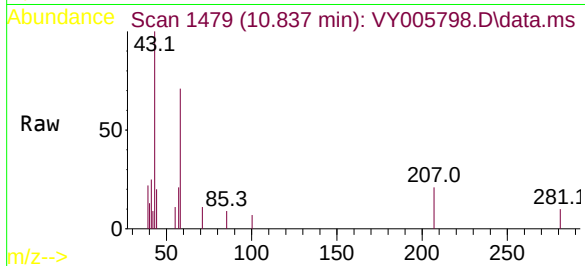




#59
2-Hexanone
Concen: 1.753 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

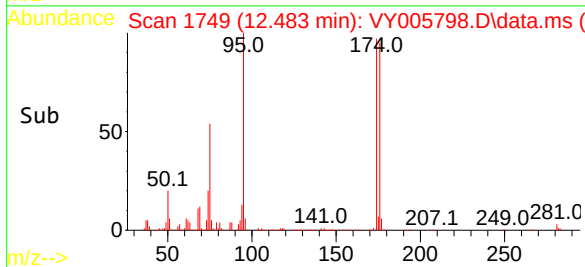
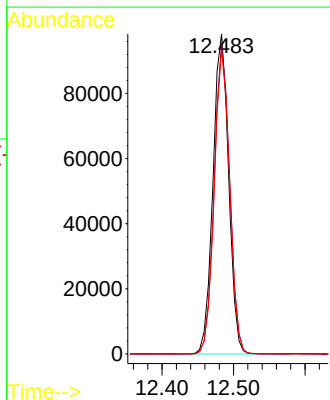
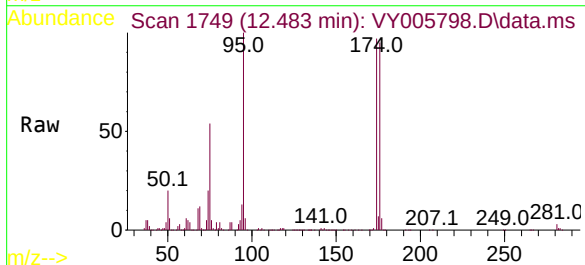
Instrument :
MSVOA_Y
ClientSampled :

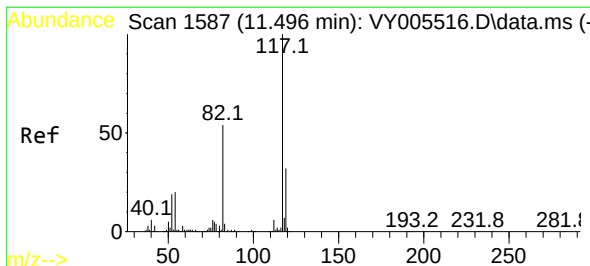
Tgt Ion: 43 Resp: 2263
Ion Ratio Lower Upper
43 100
58 45.1 27.1 81.2



#62
4-Bromofluorobenzene
Concen: 59.550 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion: 95 Resp: 149302
Ion Ratio Lower Upper
95 100
174 96.1 0.0 191.4
176 93.3 0.0 183.6

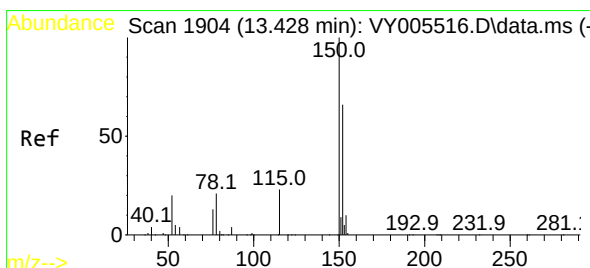
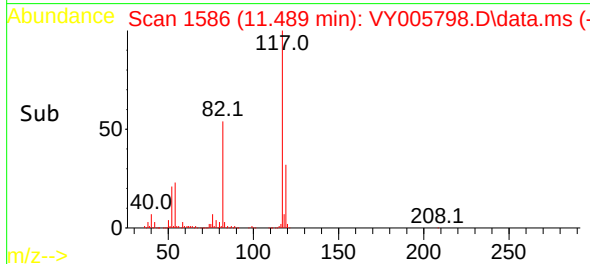
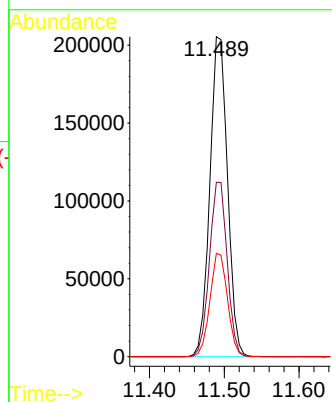
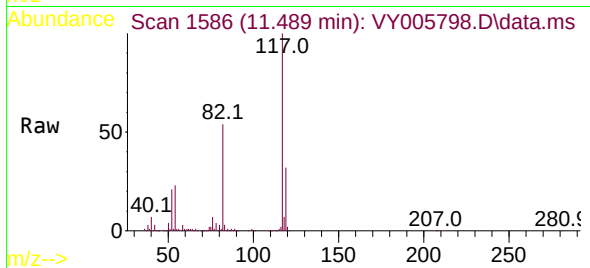




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

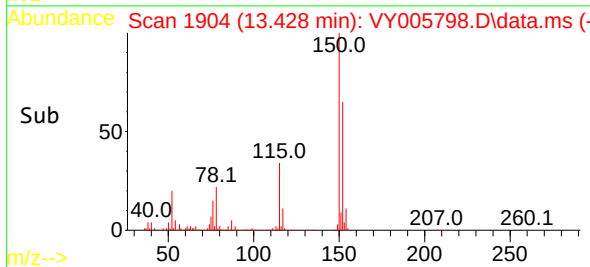
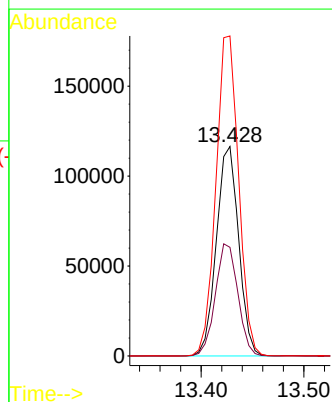
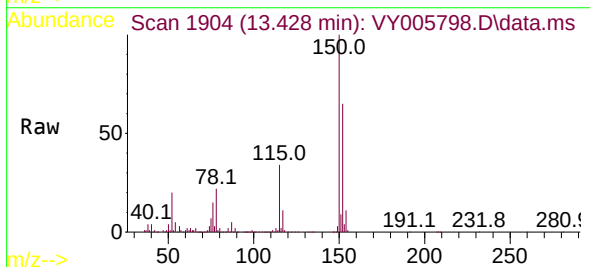
Instrument :
MSVOA_Y
ClientSampled :

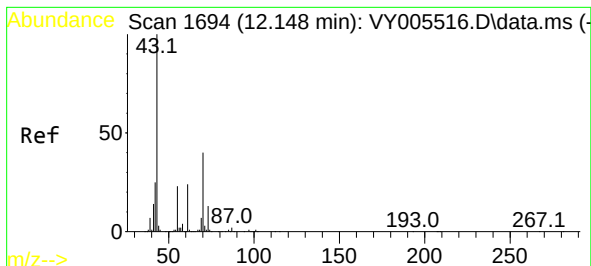
Tgt Ion:117 Resp: 336562
Ion Ratio Lower Upper
117 100
82 54.5 43.5 65.3
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Tgt Ion:152 Resp: 175409
Ion Ratio Lower Upper
152 100
115 54.0 27.3 81.9
150 155.6 0.0 350.2

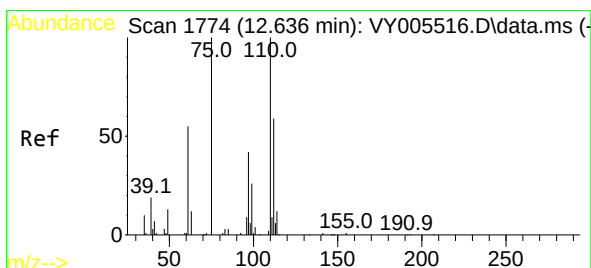
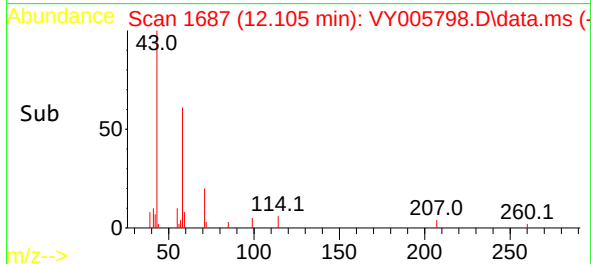
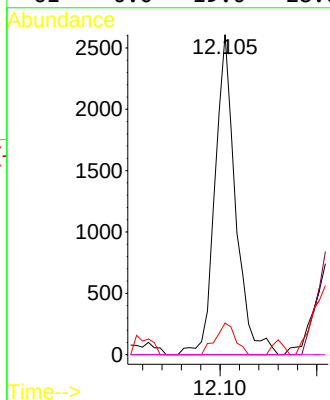
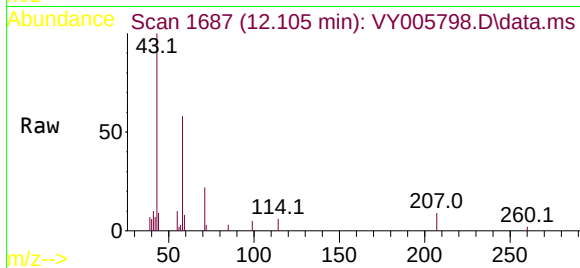




#74
N-amy1 acetate
Concen: 1.049 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

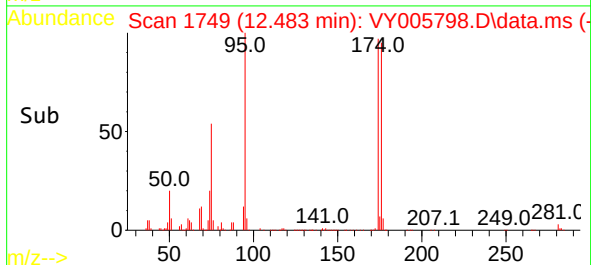
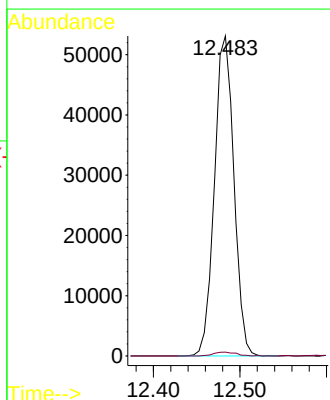
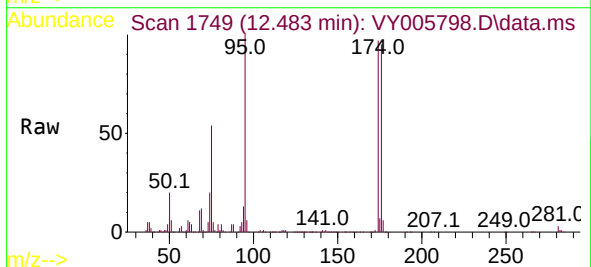
Instrument :
MSVOA_Y
ClientSampled :

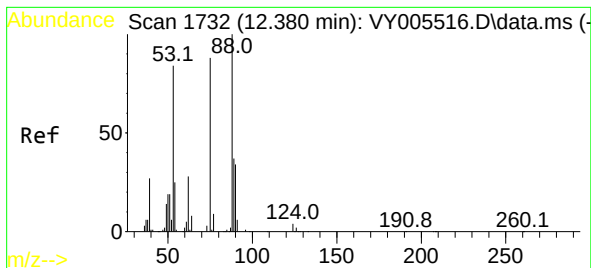
Tgt Ion:	43	Resp:	3865
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	9.5	18.9	28.3#
61	0.0	19.0	28.6#



#76
1,2,3-Trichloropropane
Concen: 45.579 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

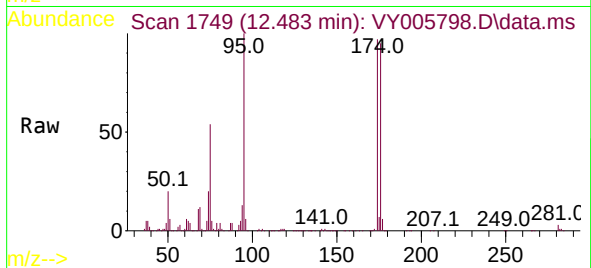
Tgt Ion:	75	Resp:	82850
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.880 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005798.D
Acq: 20 Aug 2021 17:14

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 82850
Ion Ratio Lower Upper
75 100
53 0.1 76.7 115.1#
89 0.0 38.4 57.6#

