

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004453.D
 Acq On : 15 Apr 2021 20:00
 Operator : SY/MD
 Sample : M2048-18
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:07:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

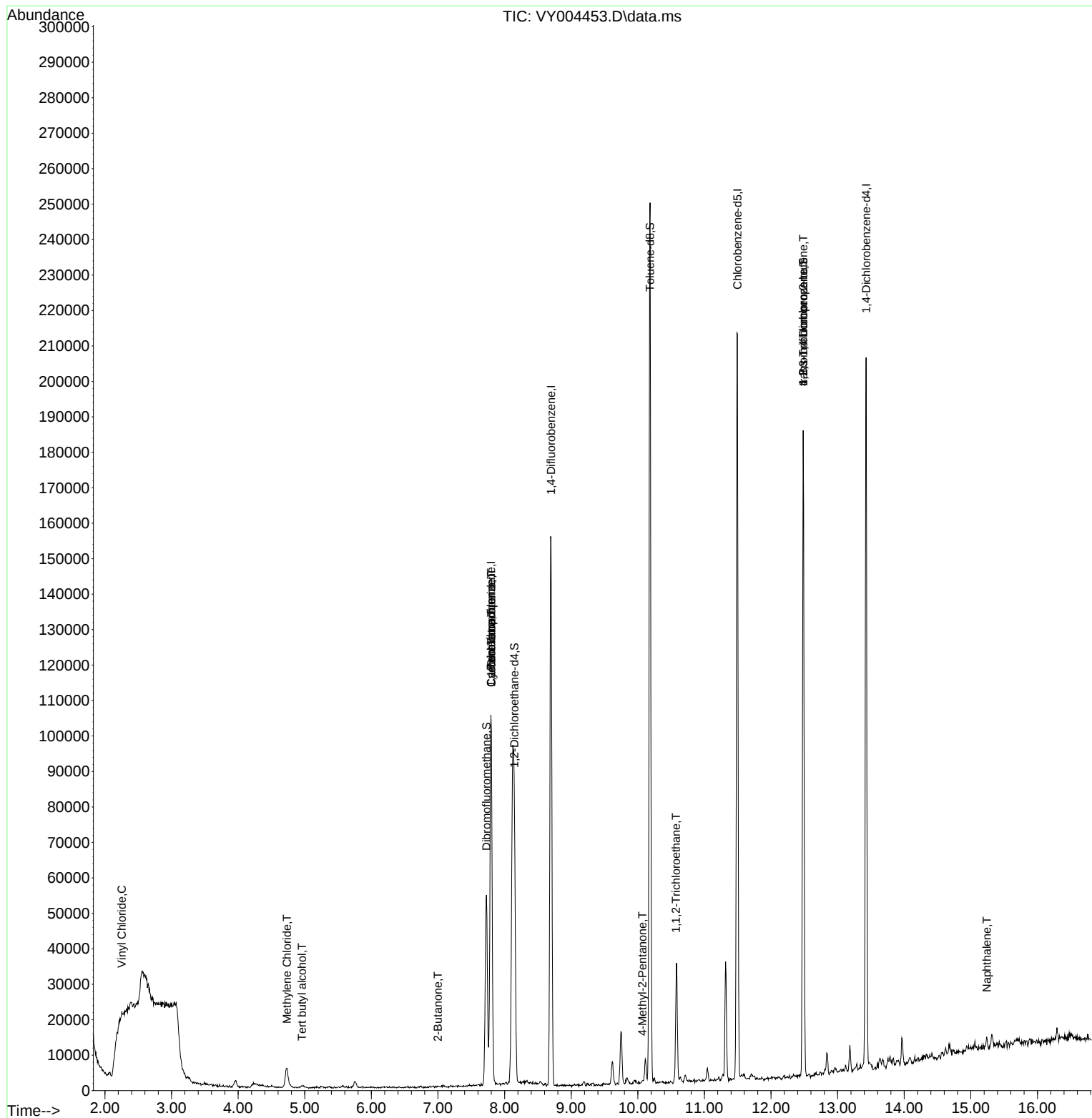
Internal Standards						
1) Pentafluorobenzene	7.795	168	80440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	130143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	111131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47203	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	41301	46.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.42%
35) Dibromofluoromethane	7.728	113	37392	51.77	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.54%
50) Toluene-d8	10.185	98	157353	51.22	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.44%
62) 4-Bromofluorobenzene	12.483	95	48039	46.08	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.16%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	15001	13.18	ug/l #	48
11) Tert butyl alcohol	4.960	59	741	8.41	ug/l #	80
16) Acetone	3.960	43	3410	Below Cal	#	83
20) Methylene Chloride	4.735	84	3840	4.45	ug/l	88
25) 2-Butanone	6.996	43	626	1.84	ug/l	97
31) Cyclohexane	7.801	56	1979	1.21	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	6681	5.17	ug/l #	50
38) Carbon Tetrachloride	7.801	117	8156	7.30	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	817	1.01	ug/l	96
55) 1,1,2-Trichloroethane	10.575	97	972	1.38	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	25786	50.90	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25786	91.05	ug/l #	12
95) Naphthalene	15.239	128	2350	1.21	ug/l #	92

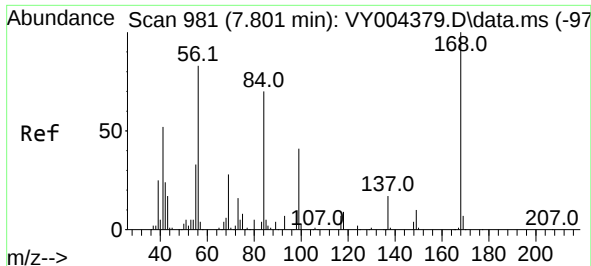
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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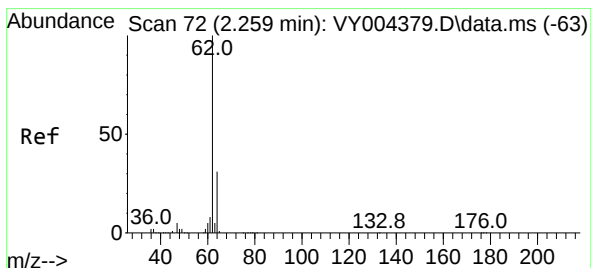
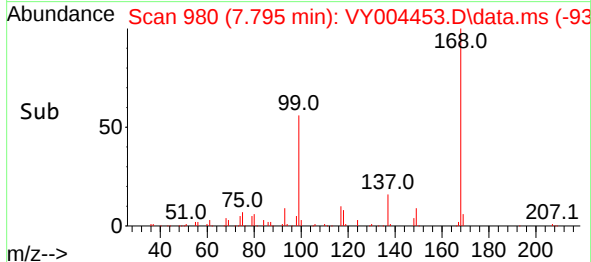
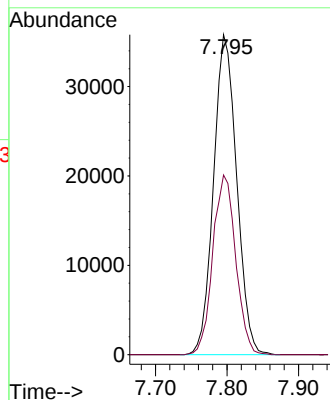
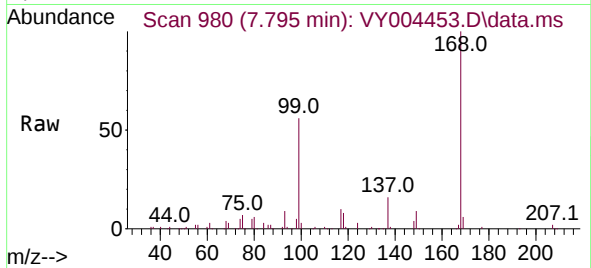




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

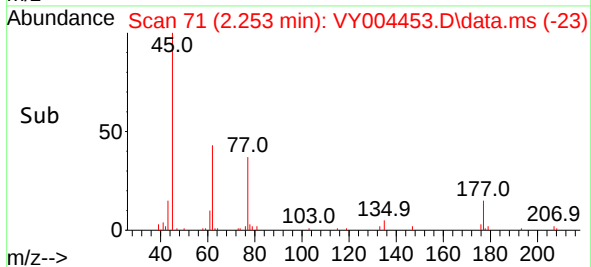
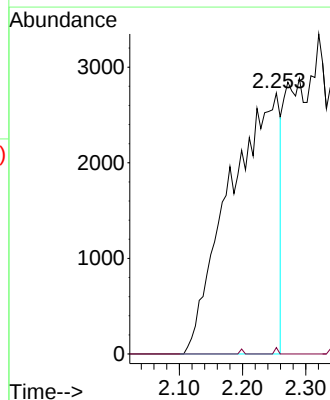
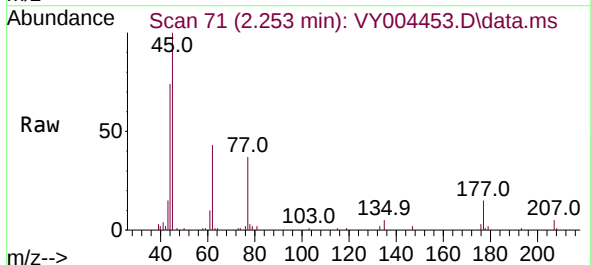
Instrument :
MSVOA_Y
ClientSampleId :

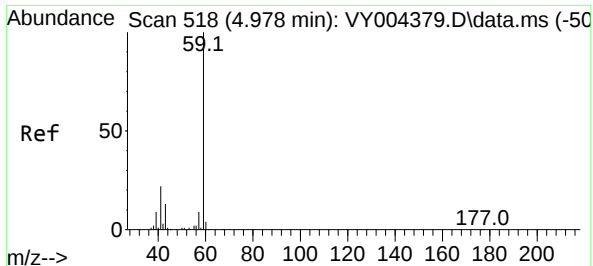
Tgt Ion:168 Resp: 80440
Ion Ratio Lower Upper
168 100
99 56.1 45.5 68.3



#4
Vinyl Chloride
Concen: 13.18 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Tgt Ion: 62 Resp: 15001
Ion Ratio Lower Upper
62 100
64 2.5 25.1 37.7#





#11

Tert butyl alcohol

Concen: 8.41 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.018 min

Lab File: VY004453.D

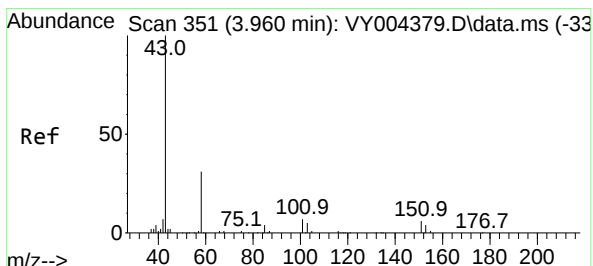
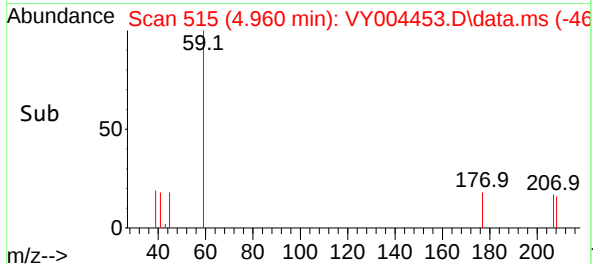
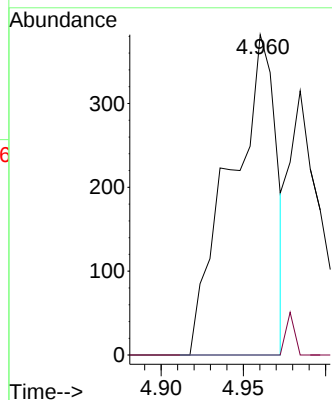
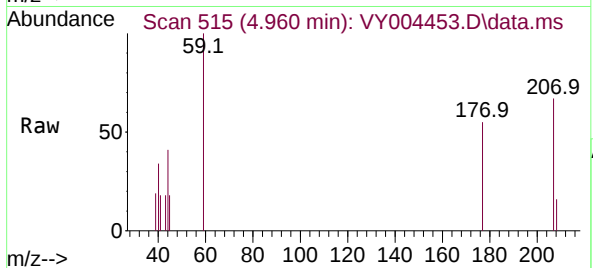
Acq: 15 Apr 2021 20:00

Tgt Ion: 59 Resp: 741

Ion Ratio Lower Upper

59 100

57 2.6 8.1 12.1#



#16

Acetone

Concen: Below Cal

RT: 3.960 min Scan# 351

Delta R.T. 0.000 min

Lab File: VY004453.D

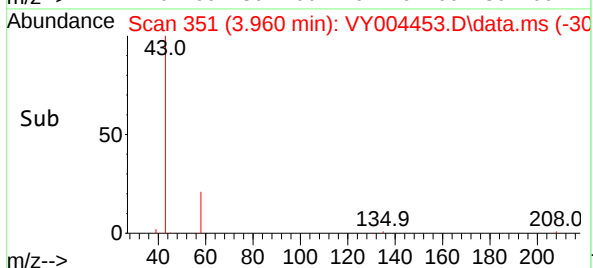
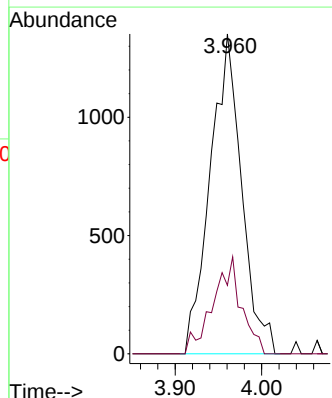
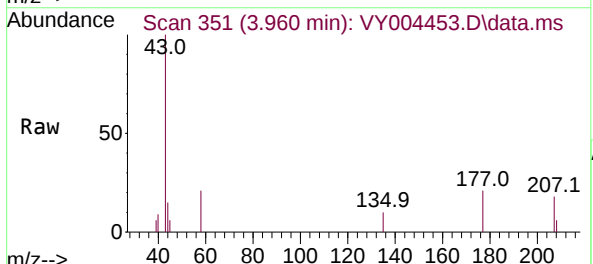
Acq: 15 Apr 2021 20:00

Tgt Ion: 43 Resp: 3410

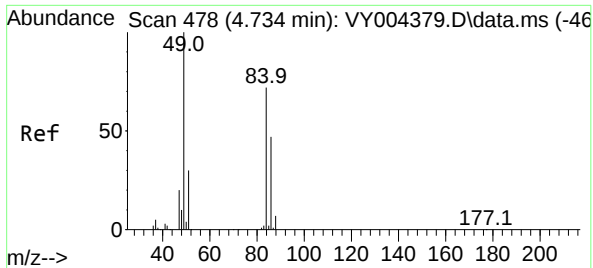
Ion Ratio Lower Upper

43 100

58 21.4 24.6 37.0#

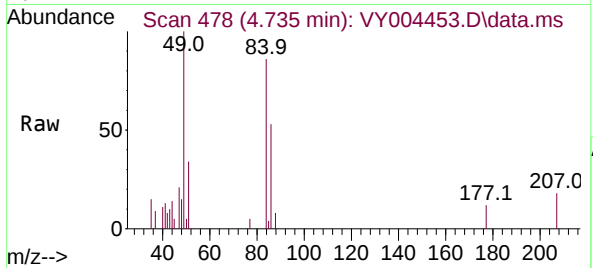


Instrument :
MSVOA_Y
ClientSampled :

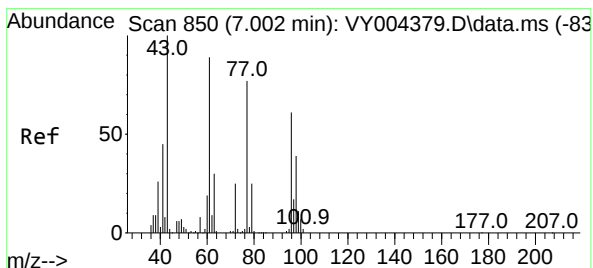
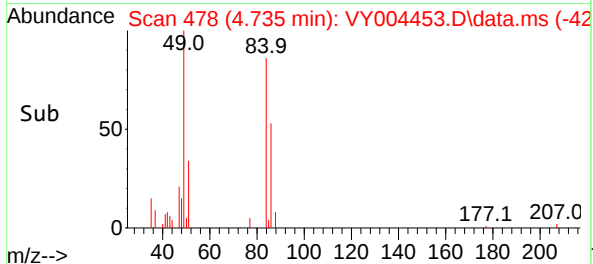
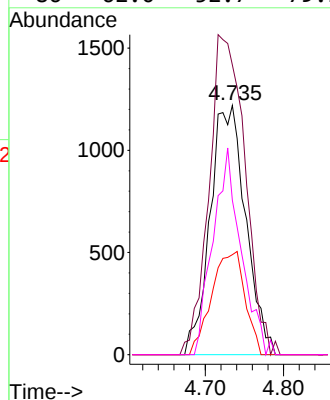


#20
Methylene Chloride
Concen: 4.45 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Instrument :
MSVOA_Y
ClientSampled :

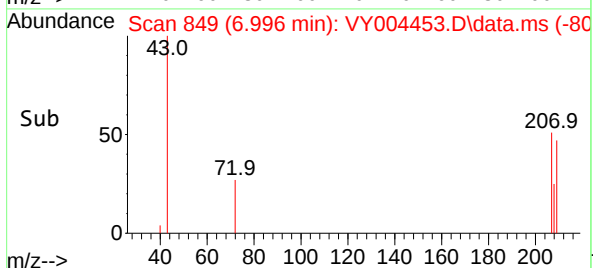
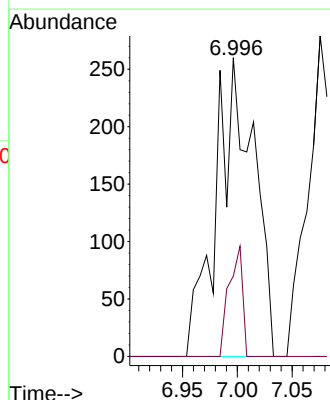
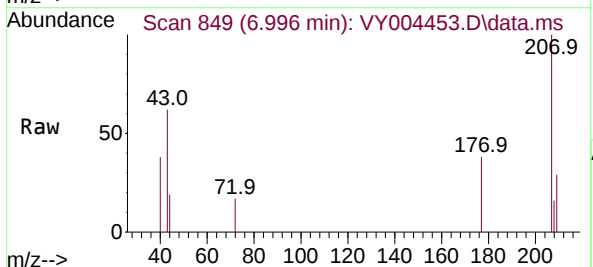


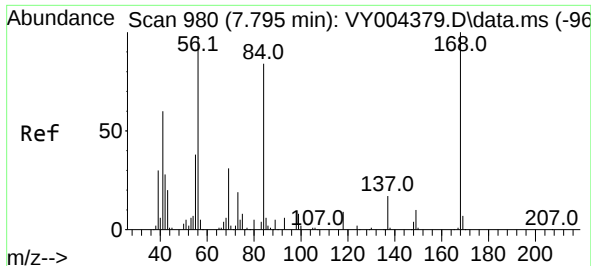
Tgt Ion:	84	Resp:	3840
Ion	Ratio	Lower	Upper
84	100		
49	116.2	111.2	166.8
51	40.1	33.4	50.2
86	62.0	52.7	79.1



#25
2-Butanone
Concen: 1.84 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

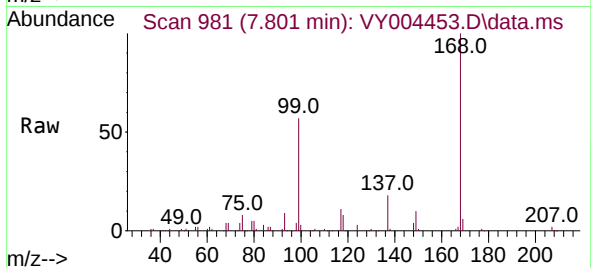
Tgt Ion:	43	Resp:	626
Ion	Ratio	Lower	Upper
43	100		
72	26.9	20.2	30.2



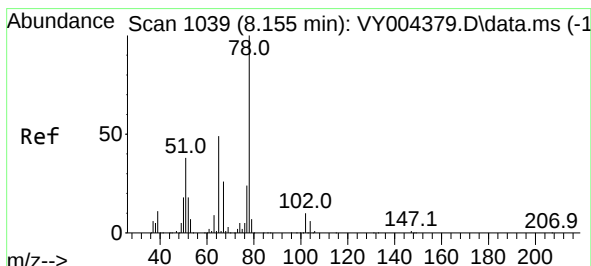
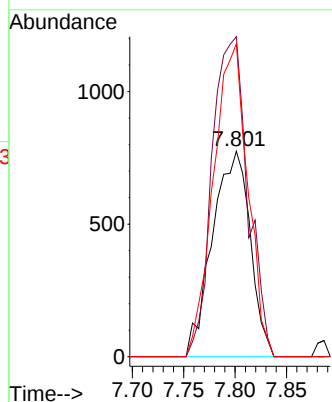
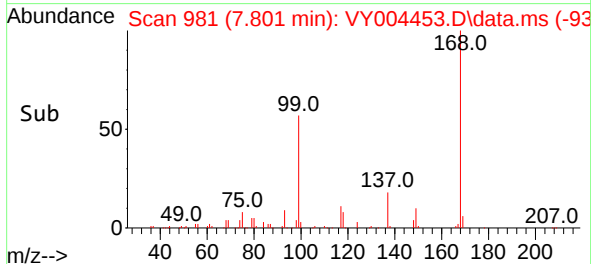


#31
Cyclohexane
Concen: 1.21 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

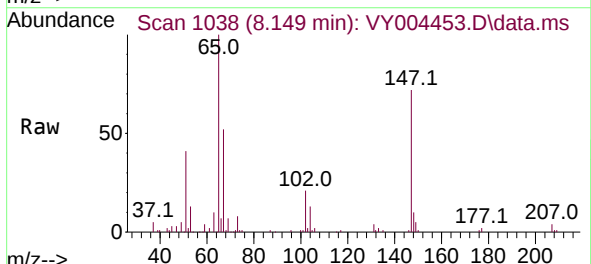
Instrument :
MSVOA_Y
ClientSampled :



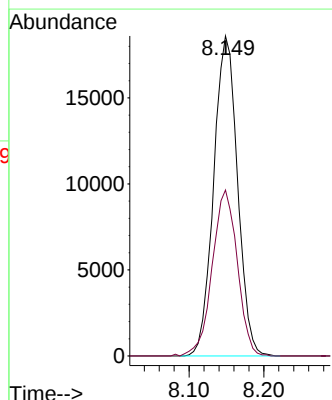
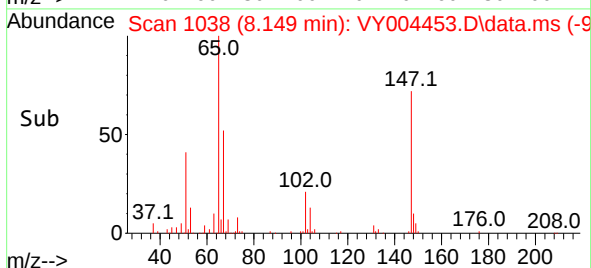
Tgt Ion: 56 Resp: 1979
Ion Ratio Lower Upper
56 100
69 155.7 25.8 38.6#
84 152.3 68.2 102.4#

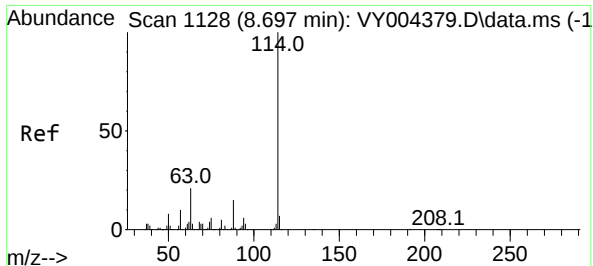


#33
1,2-Dichloroethane-d4
Concen: 46.21 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00



Tgt Ion: 65 Resp: 41301
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004453.D

Acq: 15 Apr 2021 20:00

Tgt Ion:114 Resp: 130143

Ion Ratio Lower Upper

114 100

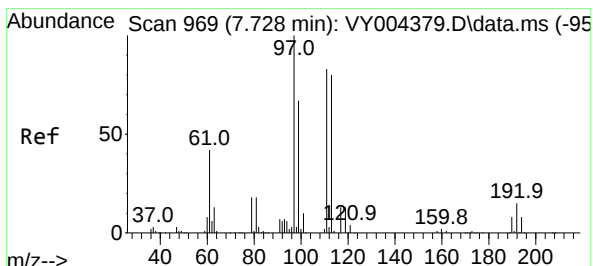
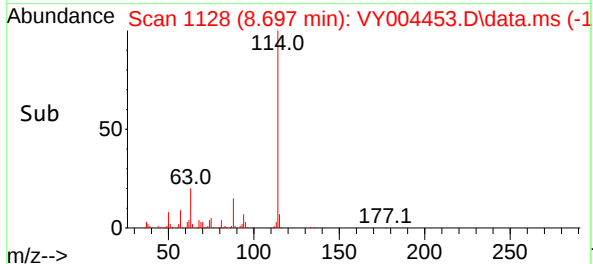
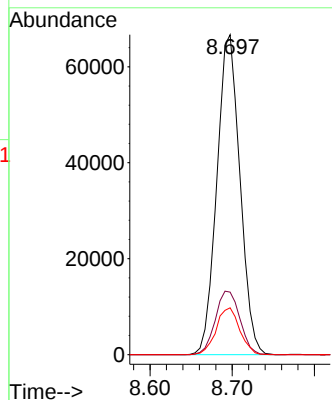
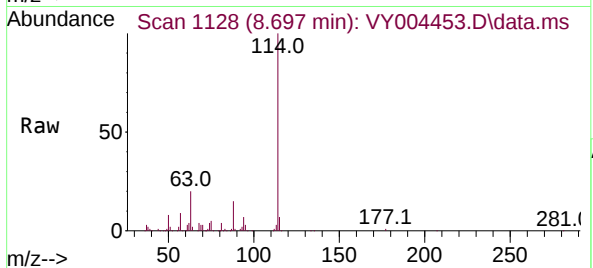
63 19.6 0.0 42.4

88 14.7 0.0 30.8

Instrument :

MSVOA_Y

ClientSampled :



#35

Dibromofluoromethane

Concen: 51.77 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004453.D

Acq: 15 Apr 2021 20:00

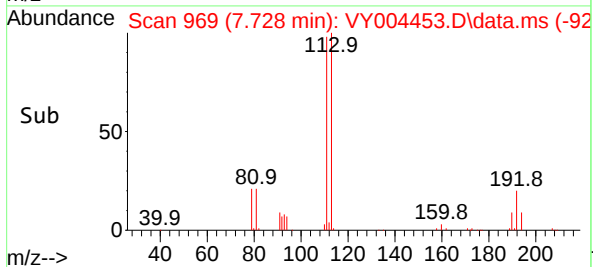
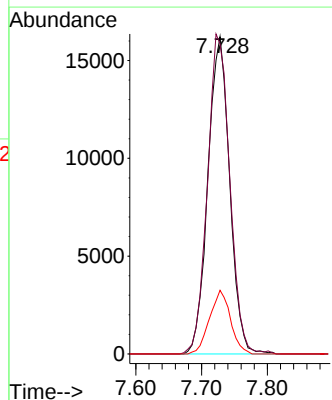
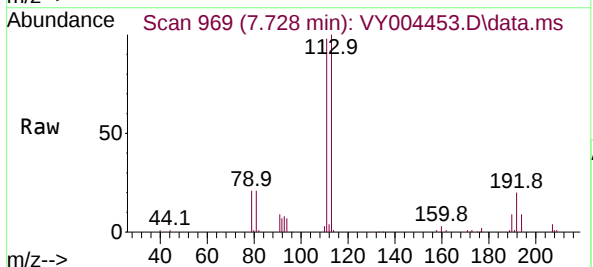
Tgt Ion:113 Resp: 37392

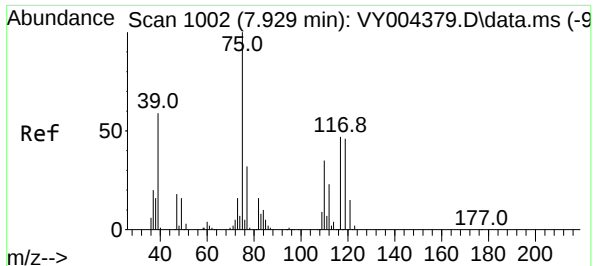
Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 19.3 16.1 24.1

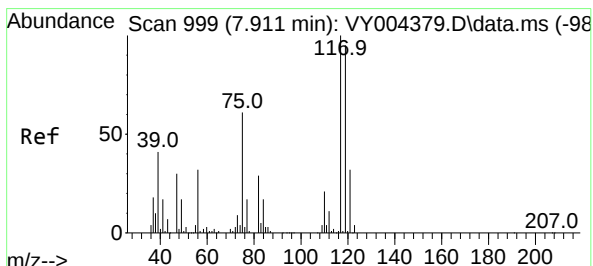
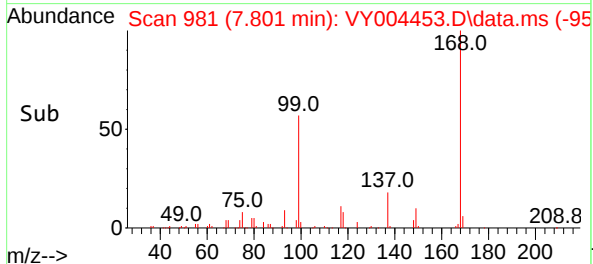
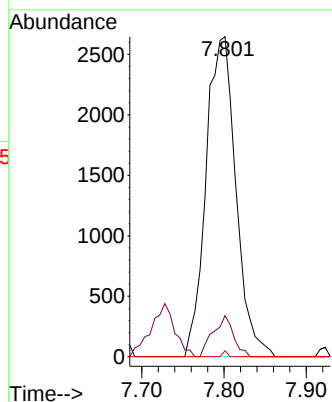
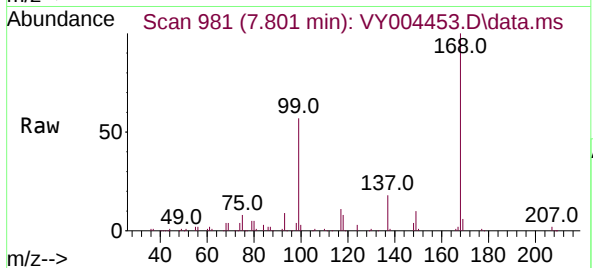




#36
1,1-Dichloropropene
Concen: 5.17 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

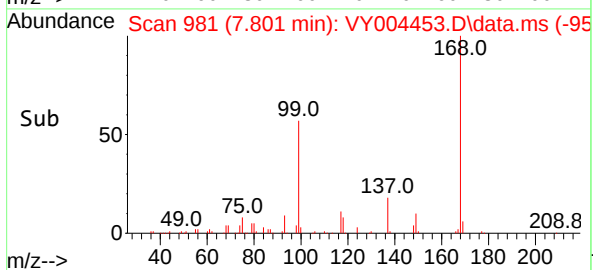
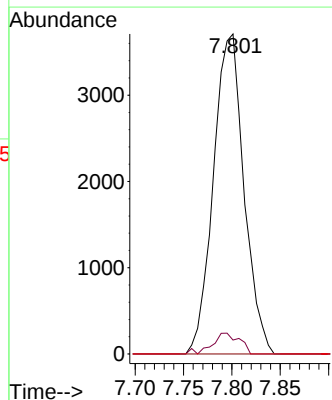
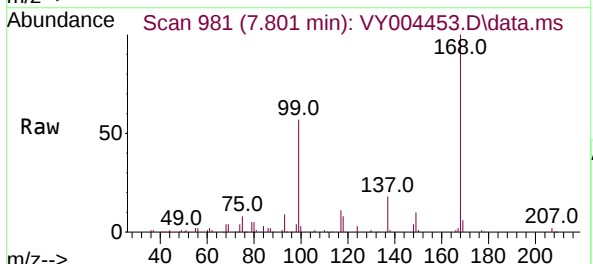
Instrument :
MSVOA_Y
ClientSampled :

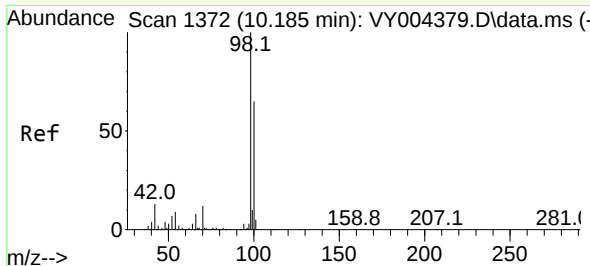
Tgt Ion: 75 Resp: 6681
Ion Ratio Lower Upper
75 100
110 8.8 17.3 51.7#
77 0.3 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 7.30 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.109 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Tgt Ion: 117 Resp: 8156
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 25.3 37.9#

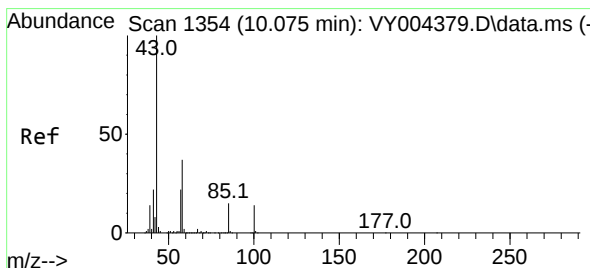
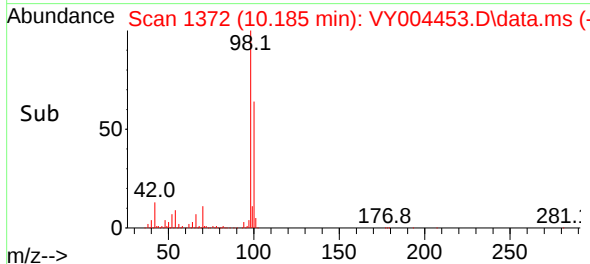
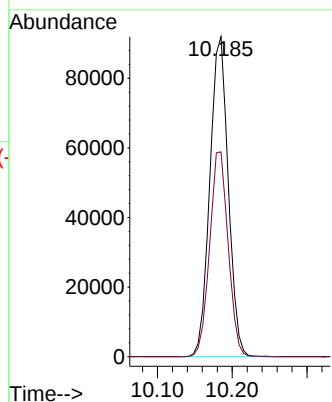
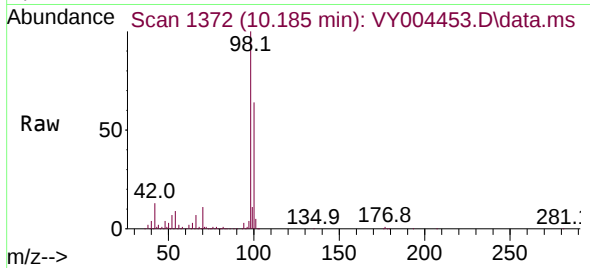




#50
Toluene-d8
Concen: 51.22 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

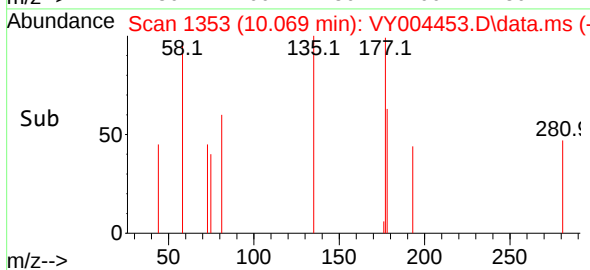
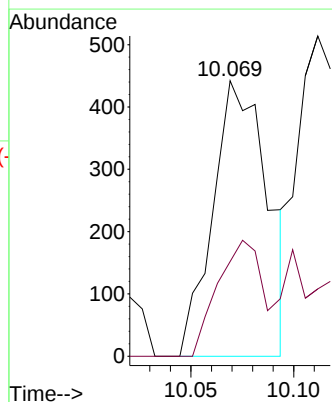
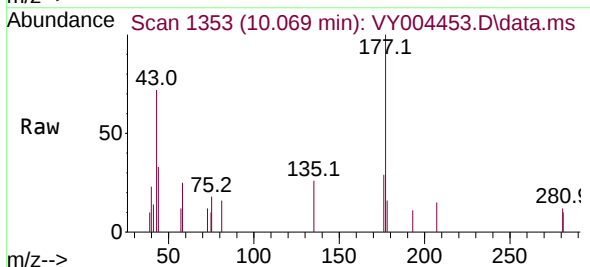
Instrument :
MSVOA_Y
ClientSampled :

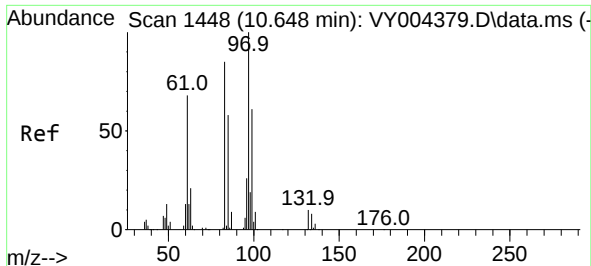
Tgt Ion: 98 Resp: 157353
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.01 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

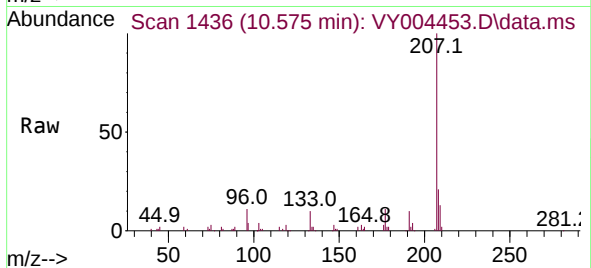
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 34.0 29.2 43.8



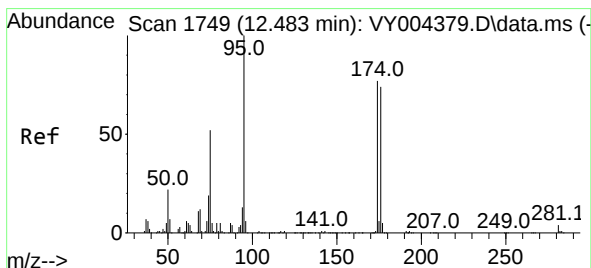
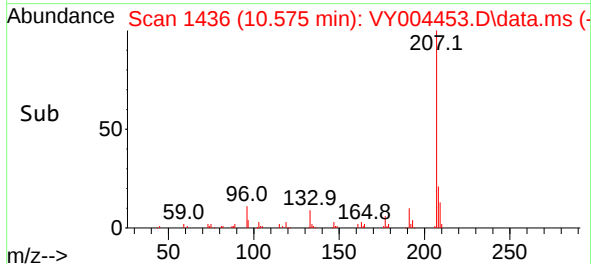
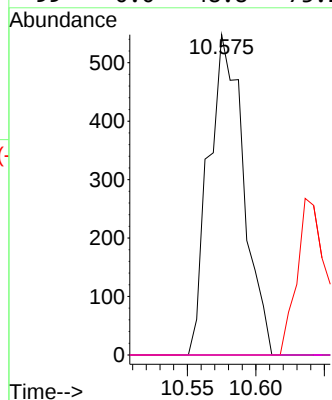


#55
1,1,2-Trichloroethane
Concen: 1.38 ug/l
RT: 10.575 min Scan# 1436
Delta R.T. -0.073 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Instrument :
MSVOA_Y
ClientSampleId :

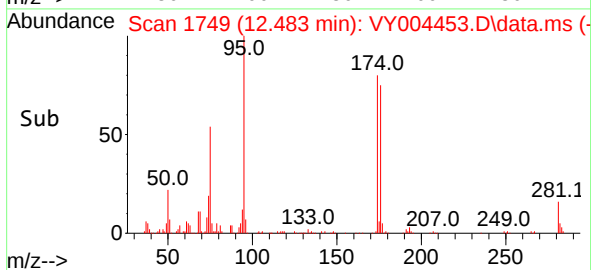
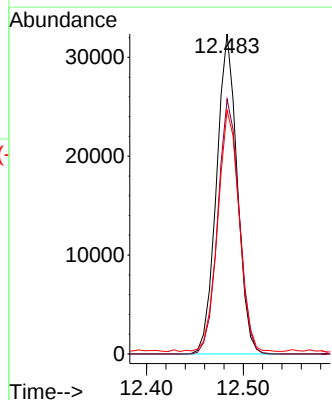
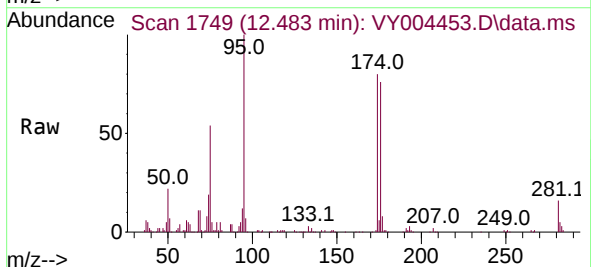


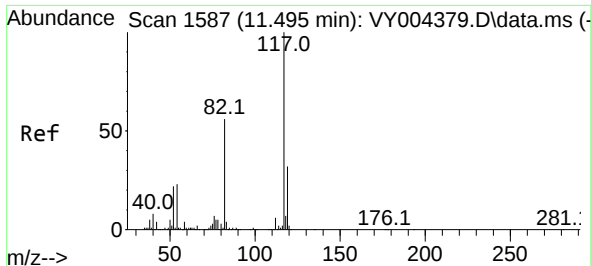
Tgt Ion:	97	Resp:	972
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.4	102.6#
85	0.0	46.2	69.4#
99	0.0	48.8	73.2#



#62
4-Bromofluorobenzene
Concen: 46.08 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Tgt Ion:	95	Resp:	48039
Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	162.4
176	78.1	0.0	156.0

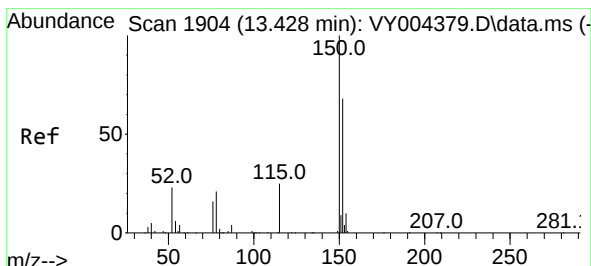
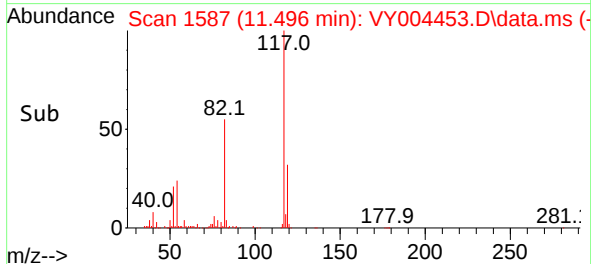
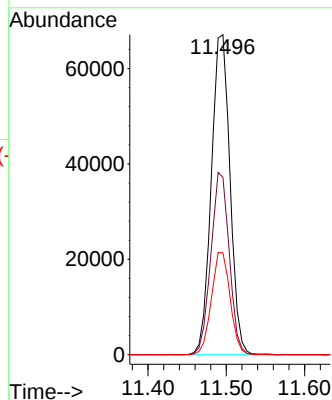
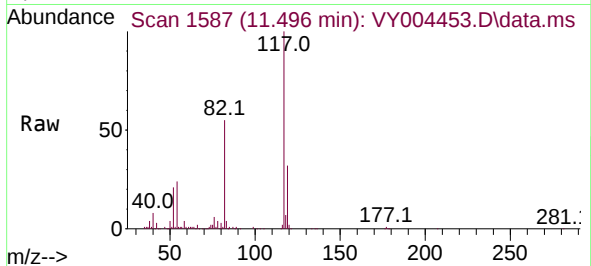




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

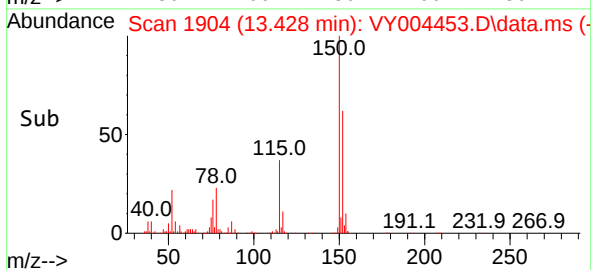
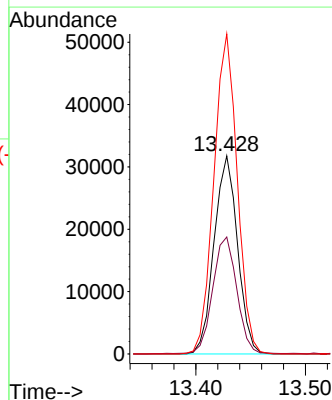
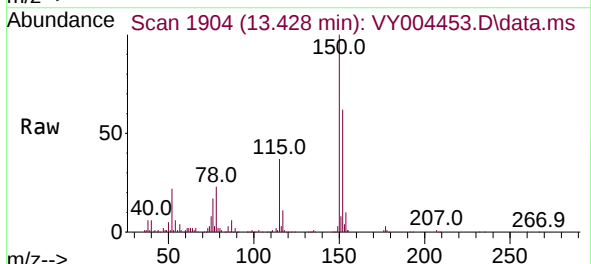
Instrument :
MSVOA_Y
ClientSampleId :

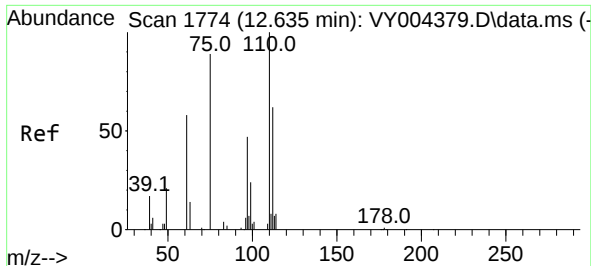
Tgt Ion:	117	Resp:	111131
Ion Ratio	Lower	Upper	
117	100		
82	55.4	44.9	67.3
119	31.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Tgt Ion:	152	Resp:	47203
Ion Ratio	Lower	Upper	
152	100		
115	61.4	29.6	88.8
150	161.0	0.0	348.4

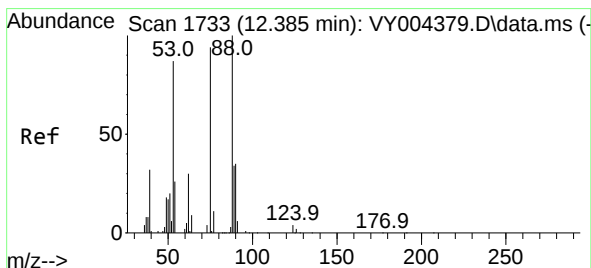
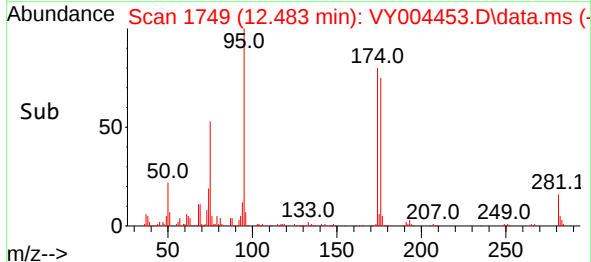
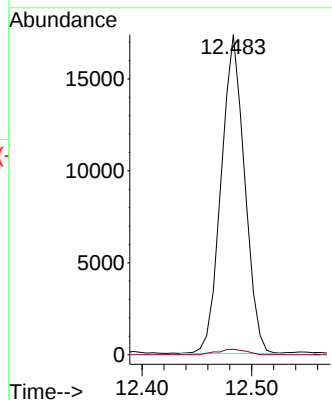
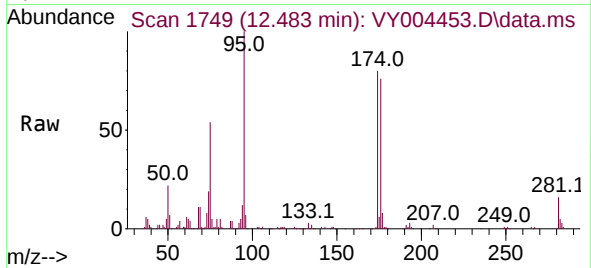




#76
1,2,3-Trichloropropane
Concen: 50.90 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

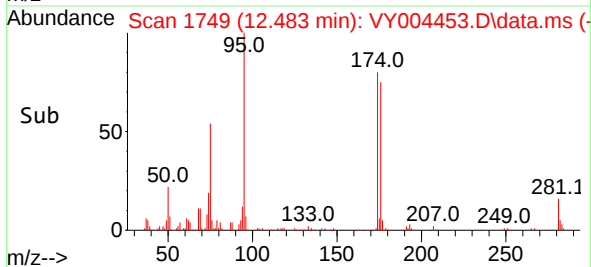
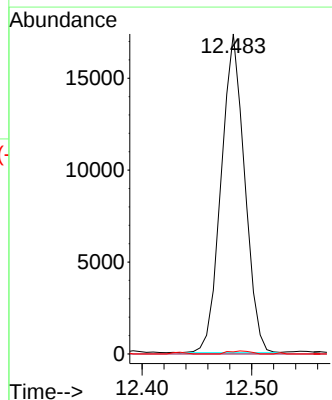
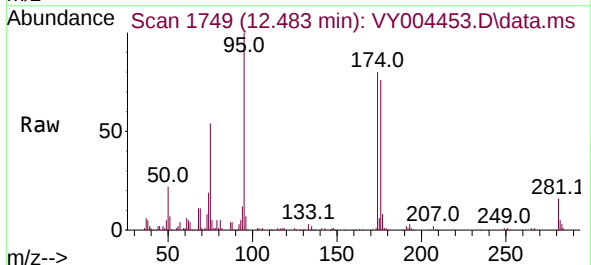
Instrument :
MSVOA_Y
ClientSampled :

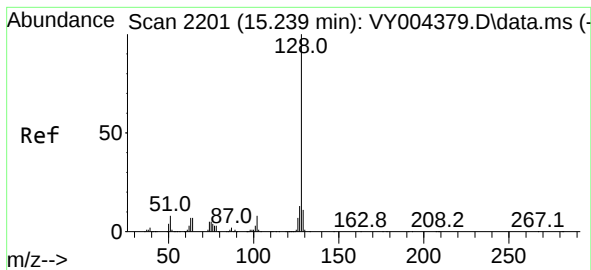
Tgt Ion: 75 Resp: 25786
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.05 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Tgt Ion: 75 Resp: 25786
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.9 36.1 54.1#





#95
Naphthalene
Concen: 1.21 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004453.D
Acq: 15 Apr 2021 20:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 2350
Ion Ratio Lower Upper
128 100
127 17.3 10.2 15.2#
129 12.3 8.8 13.2

