

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040721\
 Data File : VY004309.D
 Acq On : 07 Apr 2021 12:26
 Operator : SY/MD
 Sample : VY0407SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 08 00:58:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

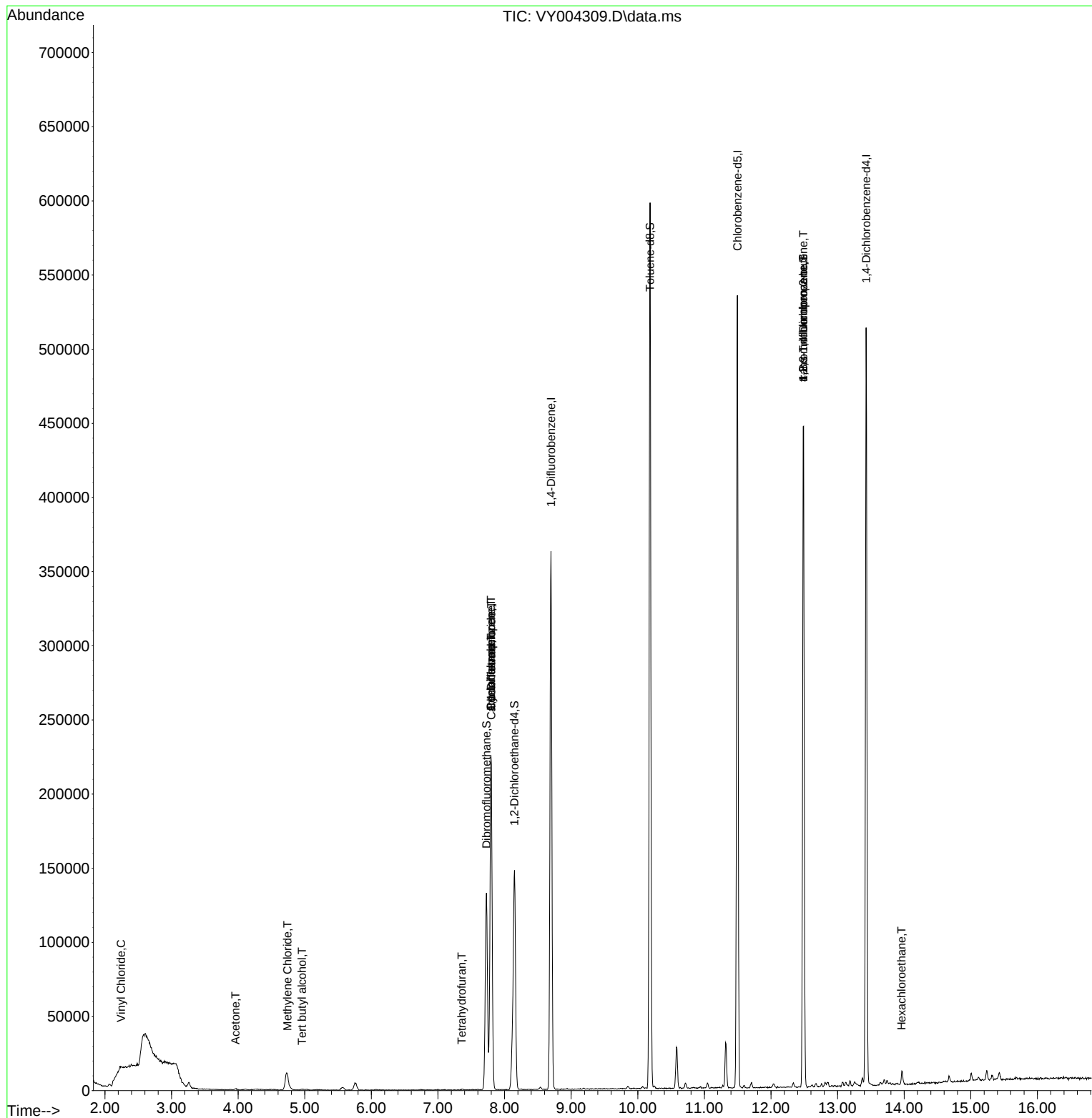
Internal Standards						
1) Pentafluorobenzene	7.795	168	174771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	302310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	278304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	106323	63.28	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.56%
35) Dibromofluoromethane	7.728	113	91334	54.22	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.44%
50) Toluene-d8	10.185	98	369484	58.32	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.64%
62) 4-Bromofluorobenzene	12.483	95	121834	56.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.22%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.241	62	11074	4.86	ug/l #	42
11) Tert butyl alcohol	4.960	59	1158	8.47	ug/l #	81
13) Acrolein	3.729	56	62	Below Cal	#	15
16) Acetone	3.960	43	1359	3.88	ug/l	100
20) Methylene Chloride	4.741	84	8050	2.29	ug/l	89
29) Tetrahydrofuran	7.356	42	493	1.20	ug/l #	70
31) Cyclohexane	7.795	56	4196	1.41	ug/l #	32
36) 1,1-Dichloropropene	7.795	75	13930	5.05	ug/l #	49
38) Carbon Tetrachloride	7.801	117	17552	7.31	ug/l #	17
49) 1,4-Dioxane	9.295	88	20	Below Cal	#	29
76) 1,2,3-Trichloropropane	12.483	75	67234	59.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67234	109.96	ug/l #	10
90) Hexachloroethane	13.959	117	142	7.45	ug/l #	12

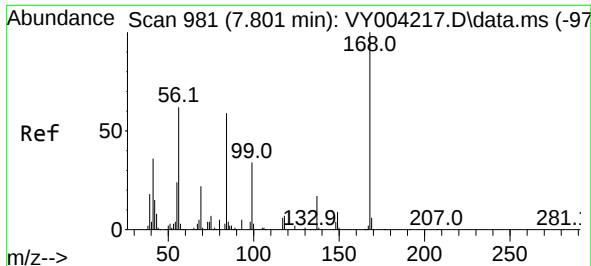
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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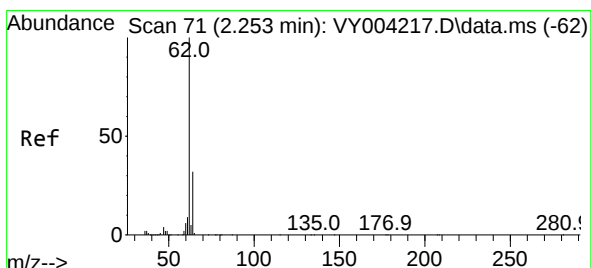
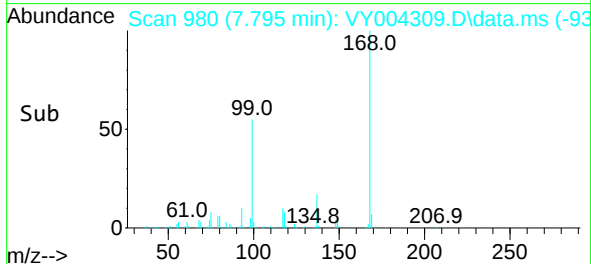
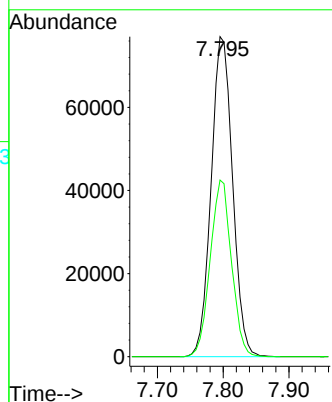
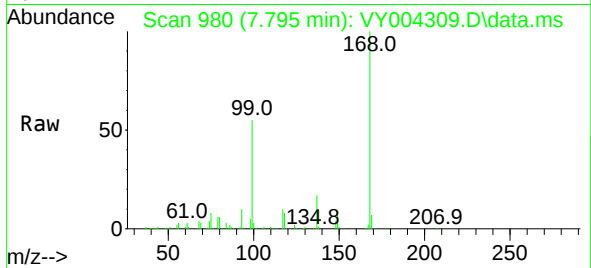




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

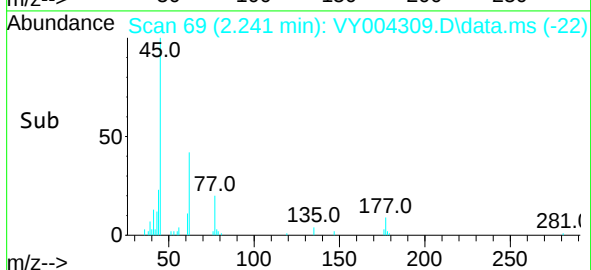
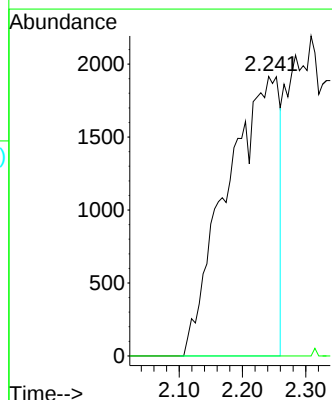
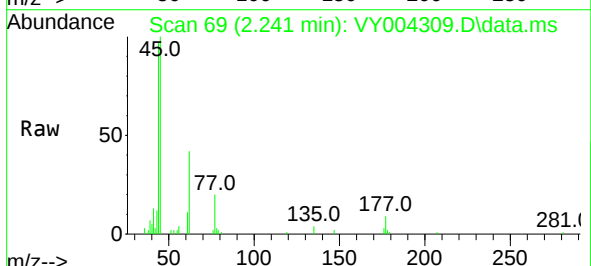
Instrument :
MSVOA_Y
ClientSampled :

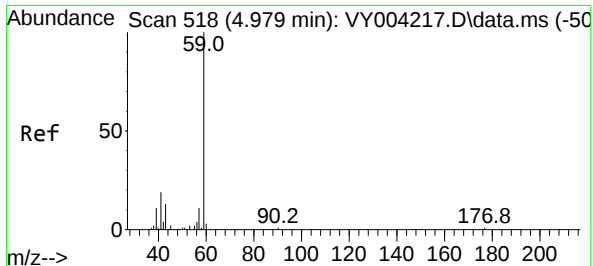
Tgt Ion:168 Resp: 174771
Ion Ratio Lower Upper
168 100
99 55.2 42.6 64.0



#4
Vinyl Chloride
Concen: 4.86 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.012 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 62 Resp: 11074
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

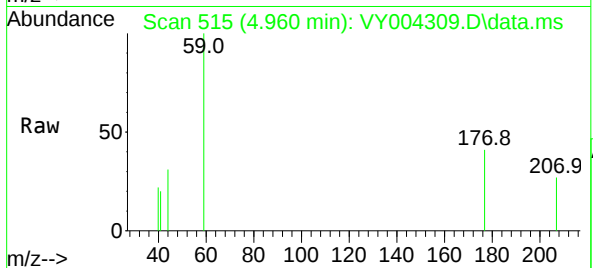




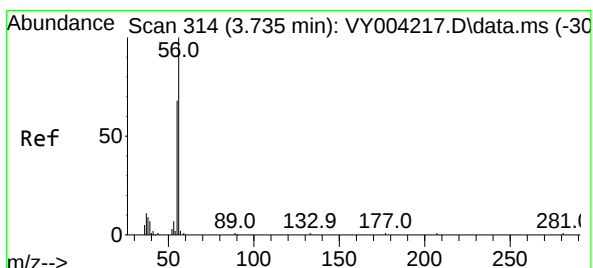
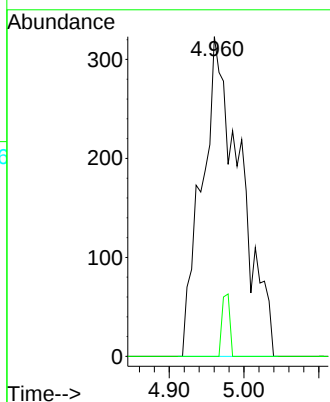
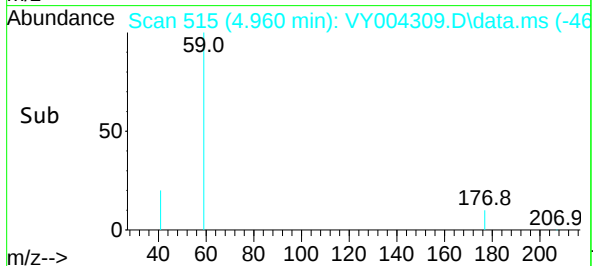
#11

Tert butyl alcohol
Concen: 8.47 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Instrument :
MSVOA_Y
ClientSampled :

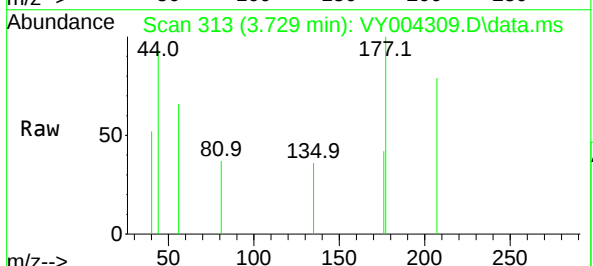


Tgt Ion: 59 Resp: 1158
Ion Ratio Lower Upper
59 100
57 3.9 8.9 13.3#

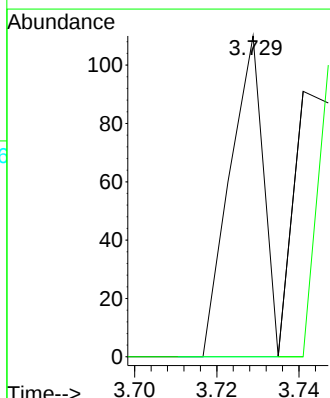
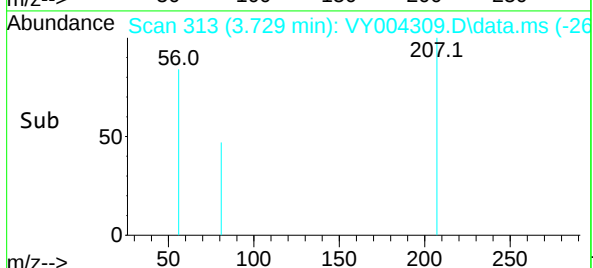


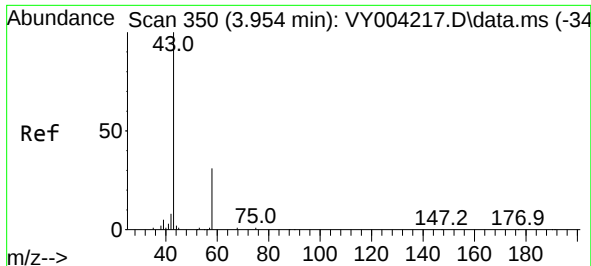
#13

Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26



Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#

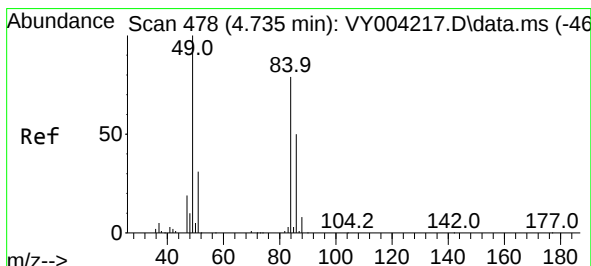
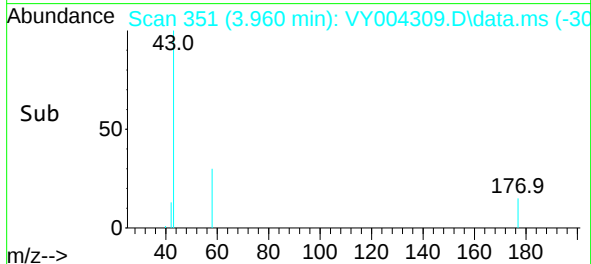
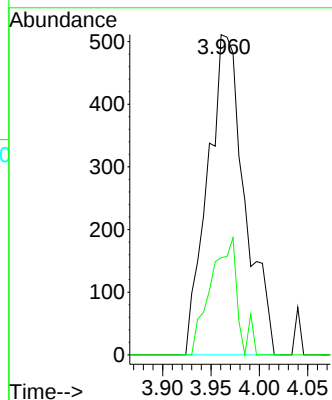
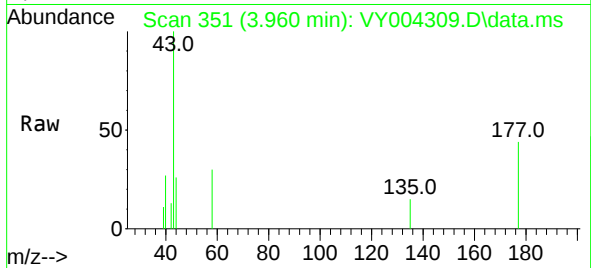




#16
Acetone
Concen: 3.88 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

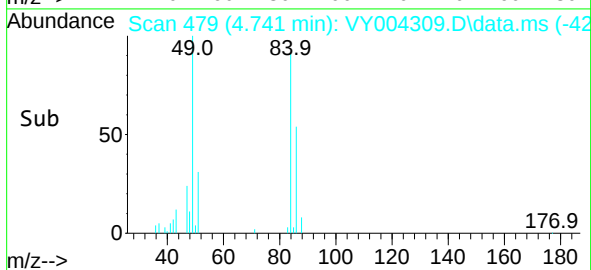
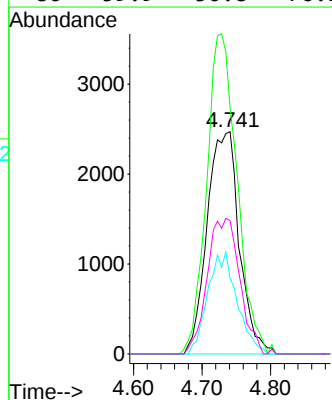
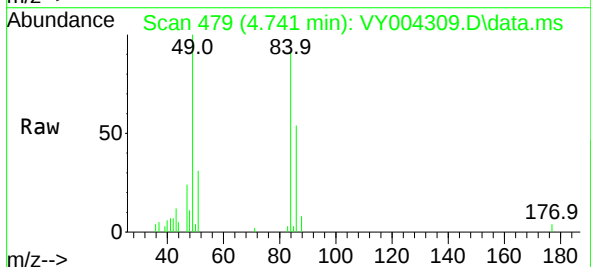
Instrument :
MSVOA_Y
ClientSampled :

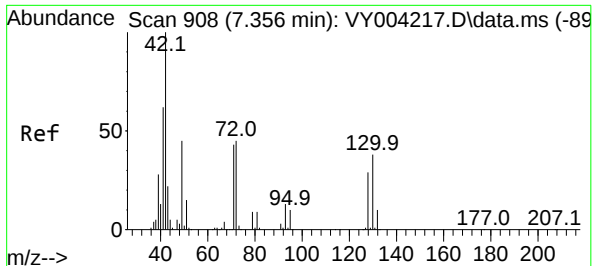
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
58 30.3 24.5 36.7



#20
Methylene Chloride
Concen: 2.29 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 84 Resp: 8050
Ion Ratio Lower Upper
84 100
49 110.4 101.5 152.3
51 34.0 31.5 47.3
86 59.9 50.8 76.2





#29

Tetrahydrofuran

Concen: 1.20 ug/l

RT: 7.356 min Scan# 908

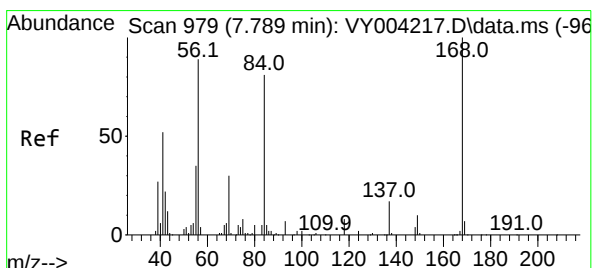
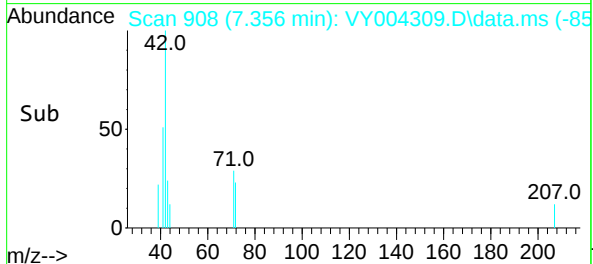
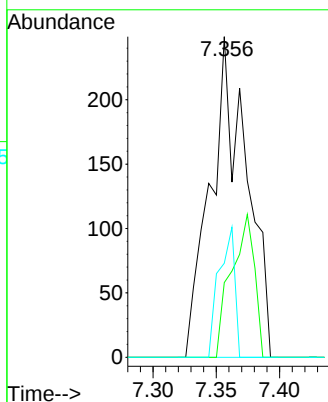
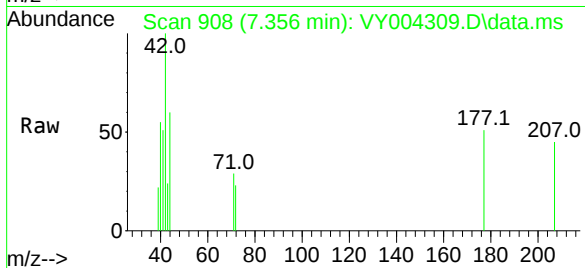
Delta R.T. 0.000 min

Lab File: VY004309.D

Acq: 07 Apr 2021 12:26

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	42	Resp:	493
Ion	Ratio	Lower	Upper
42	100		
72	28.6	35.1	52.7#
71	17.6	32.9	49.3#



#31

Cyclohexane

Concen: 1.41 ug/l

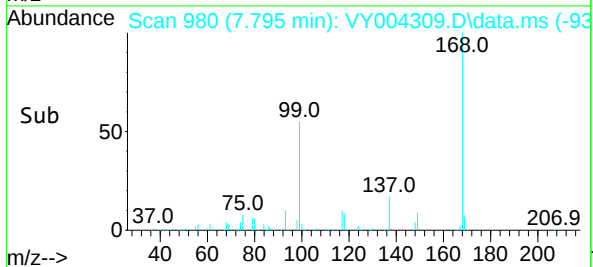
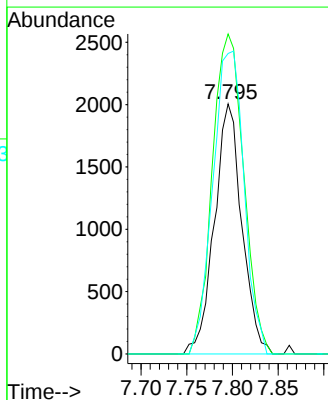
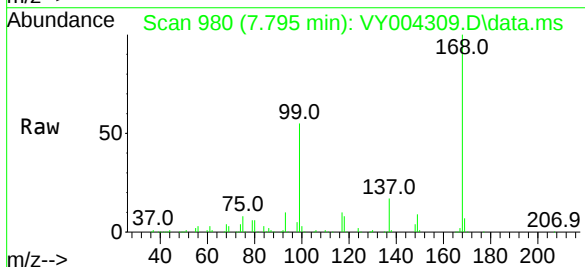
RT: 7.795 min Scan# 980

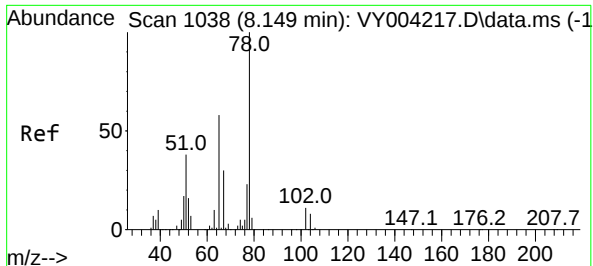
Delta R.T. 0.006 min

Lab File: VY004309.D

Acq: 07 Apr 2021 12:26

Tgt Ion:	56	Resp:	4196
Ion	Ratio	Lower	Upper
56	100		
69	128.0	26.6	40.0#
84	120.1	72.3	108.5#

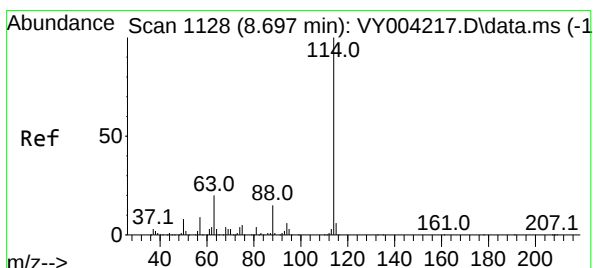
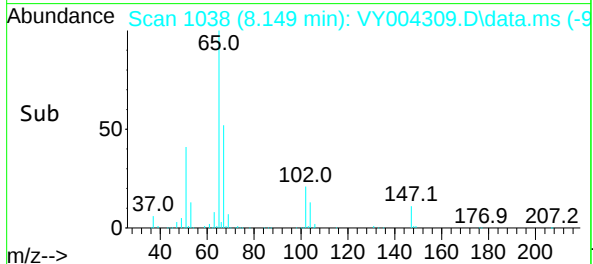
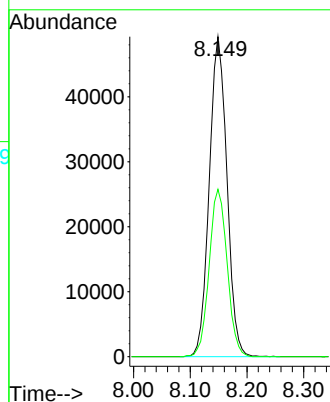
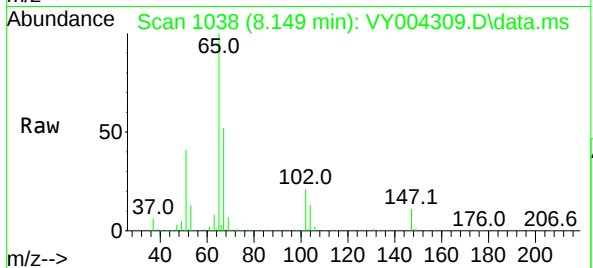




#33
1,2-Dichloroethane-d4
Concen: 63.28 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

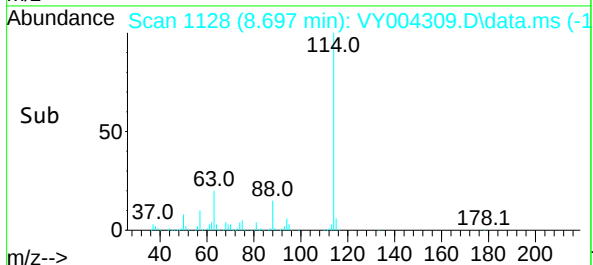
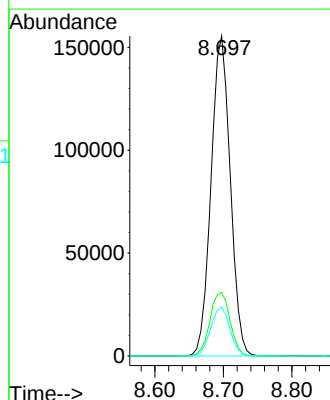
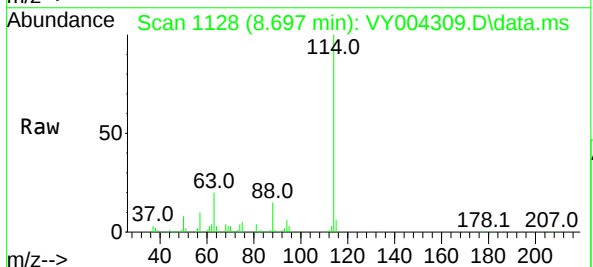
Instrument :
MSVOA_Y
ClientSampled :

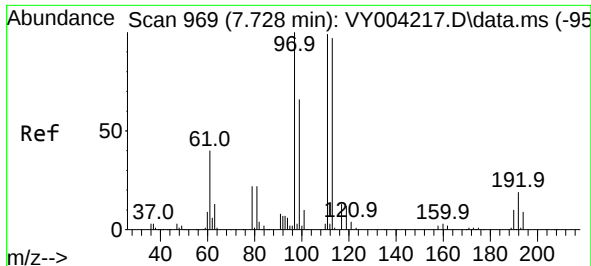
Tgt Ion: 65 Resp: 106323
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 114 Resp: 302310
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.4
88 15.2 0.0 30.8

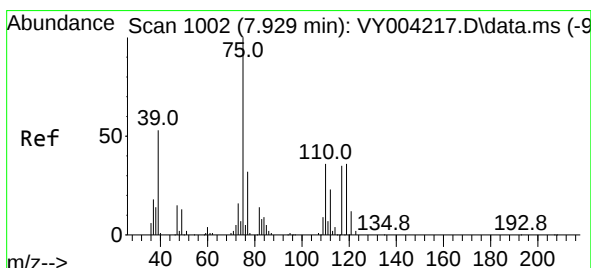
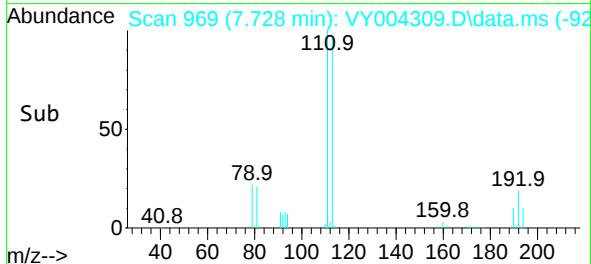
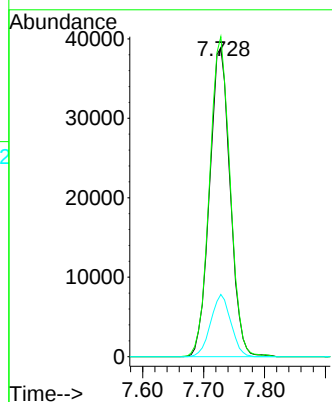
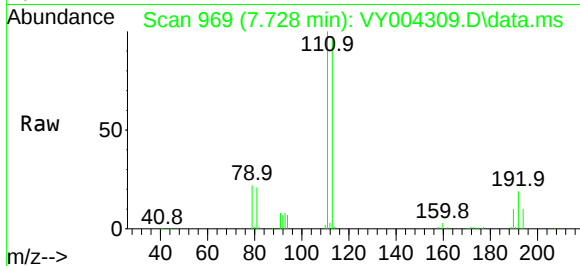




#35
Dibromofluoromethane
Concen: 54.22 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

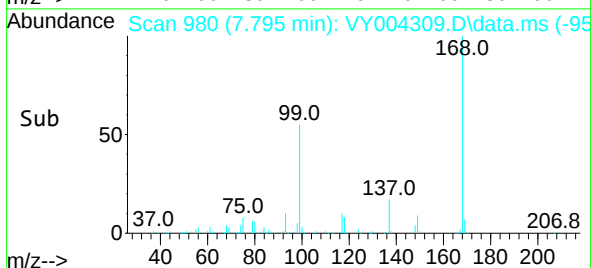
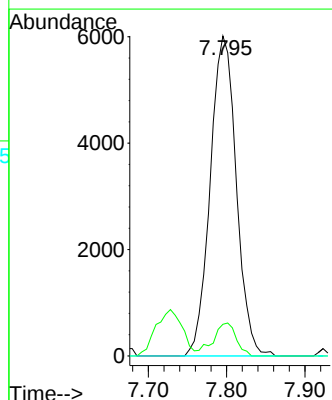
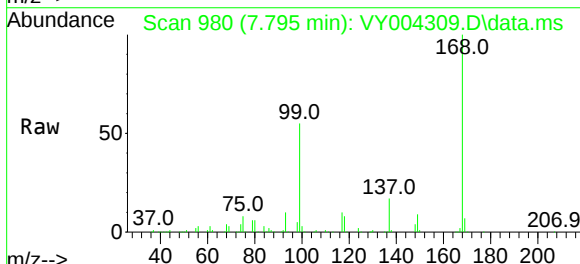
Instrument :
MSVOA_Y
ClientSampled :

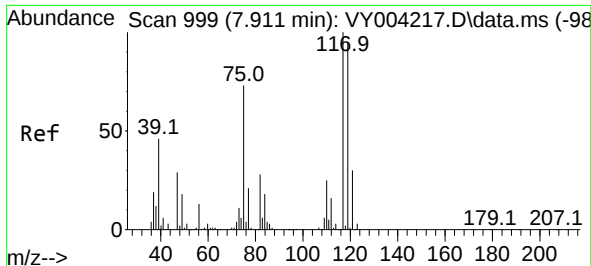
Tgt Ion:	113	Resp:	91334
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	19.7	16.4	24.6



#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

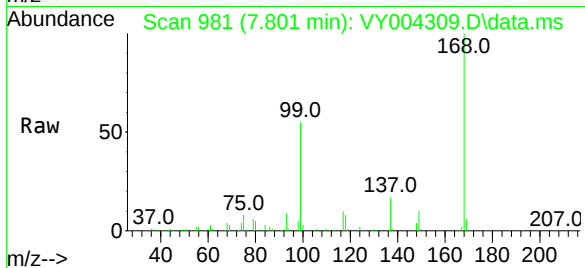
Tgt Ion:	75	Resp:	13930
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.3#
77	0.0	25.1	37.7#



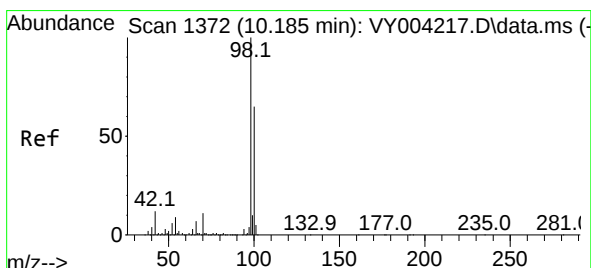
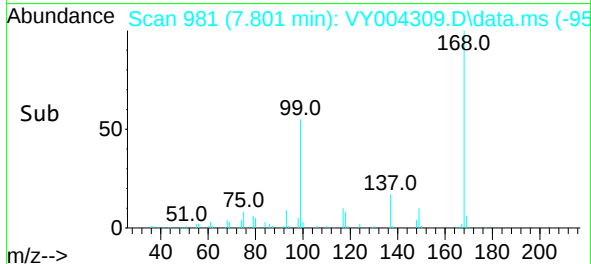
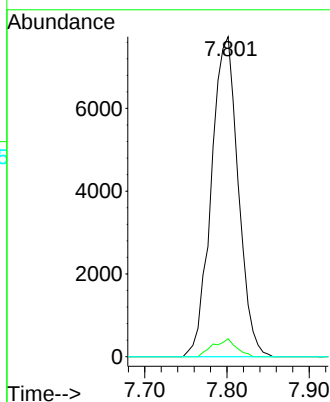


#38
Carbon Tetrachloride
Concen: 7.31 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Instrument :
MSVOA_Y
ClientSampled :

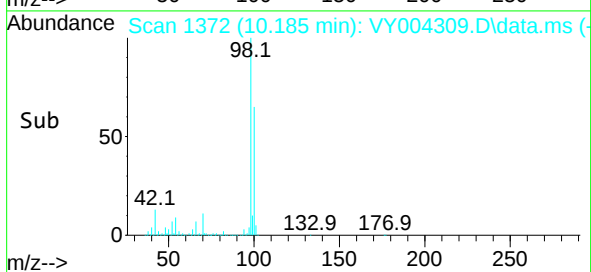
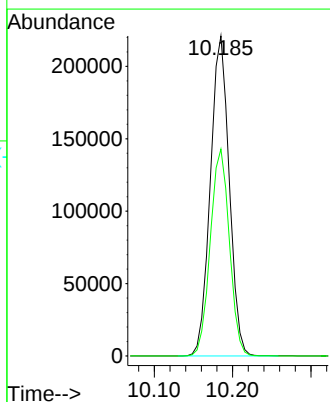
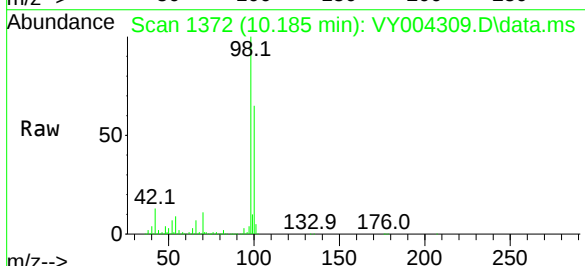


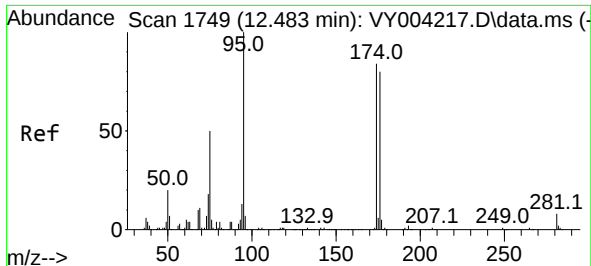
Tgt Ion: 117 Resp: 17552
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.32 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 98 Resp: 369484
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

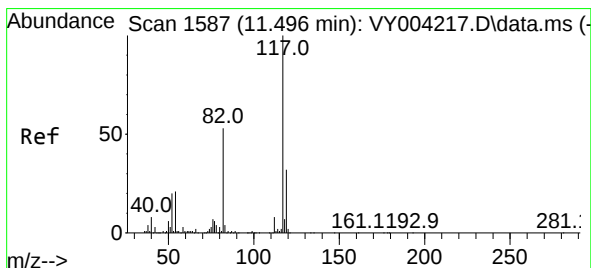
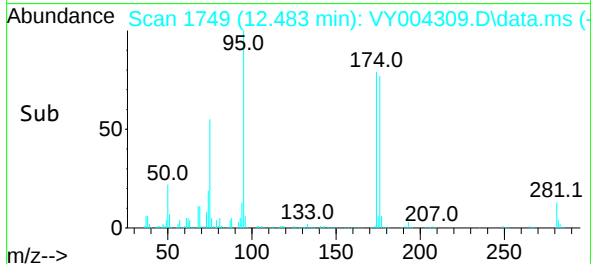
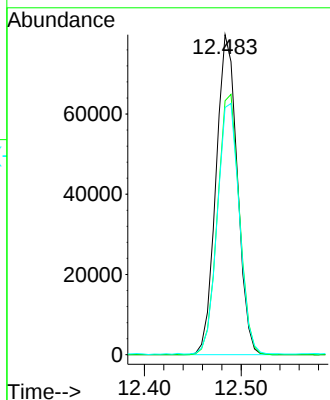
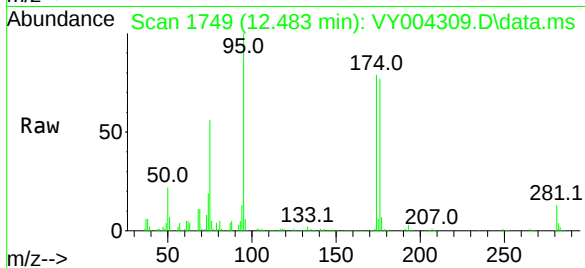




#62
4-Bromofluorobenzene
Concen: 56.11 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

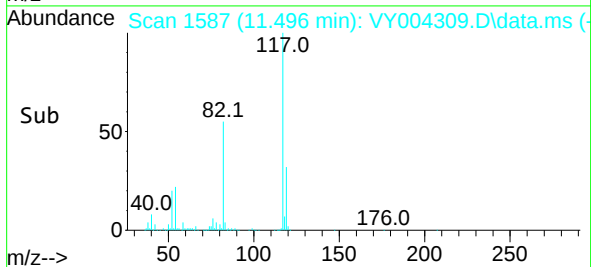
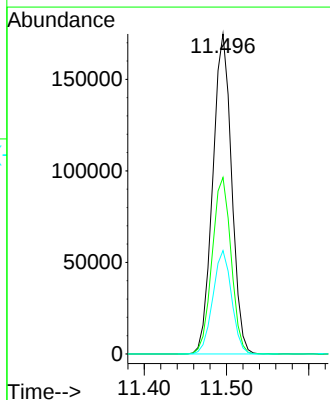
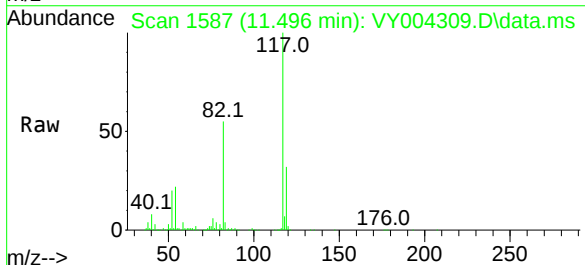
Instrument :
MSVOA_Y
ClientSampled :

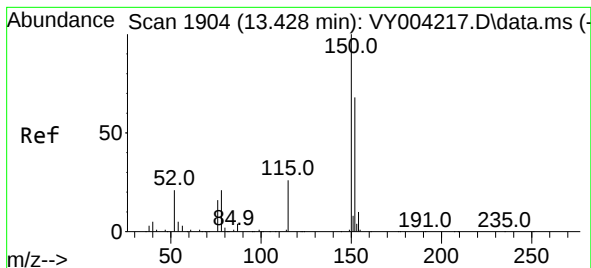
Tgt Ion: 95 Resp: 121834
Ion Ratio Lower Upper
95 100
174 83.2 0.0 171.4
176 80.7 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 117 Resp: 278304
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 32.3 25.7 38.5

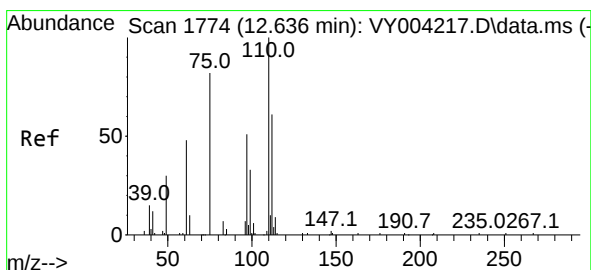
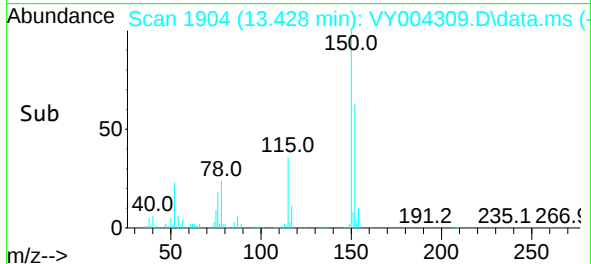
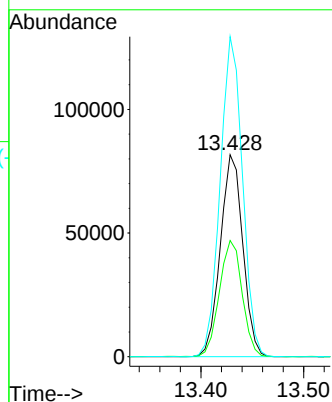
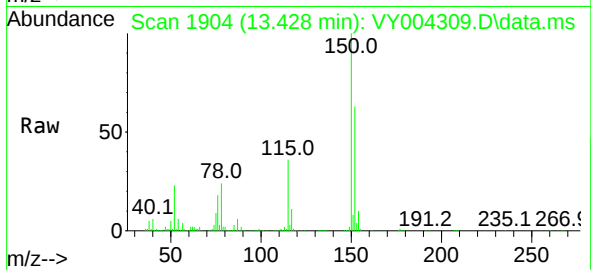




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

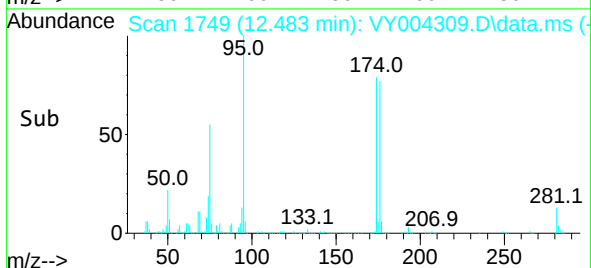
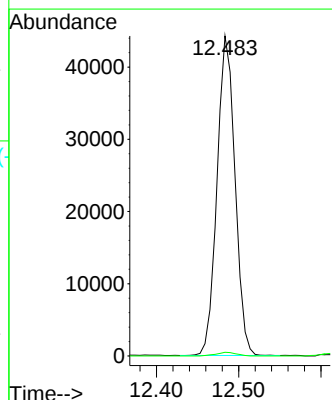
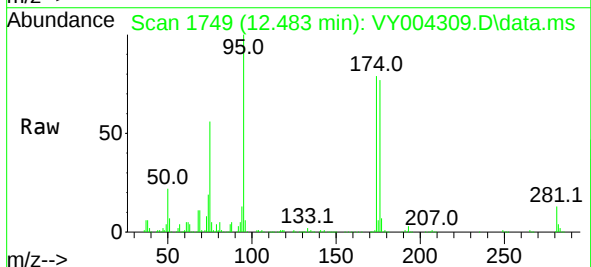
Instrument :
MSVOA_Y
ClientSampled :

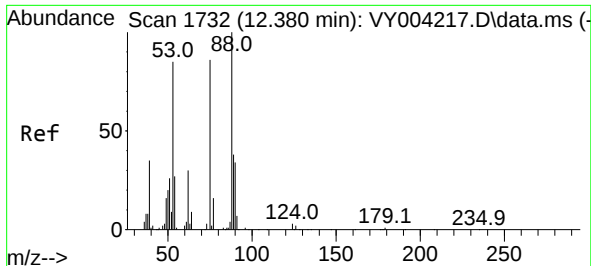
Tgt Ion:152 Resp: 124106
Ion Ratio Lower Upper
152 100
115 58.2 29.0 87.1
150 157.2 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 59.66 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 75 Resp: 67234
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

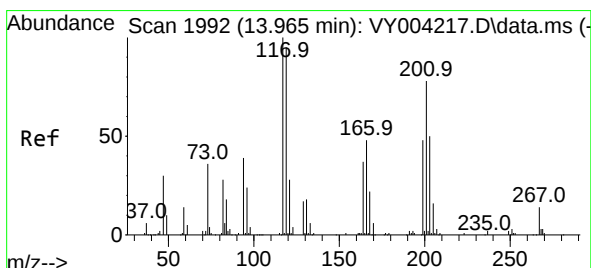
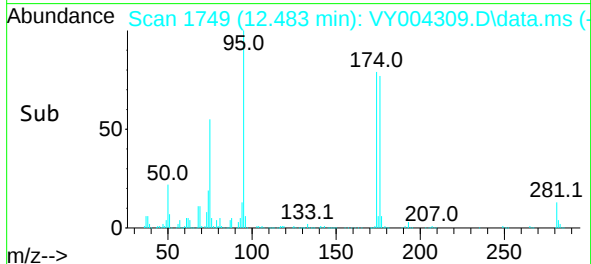
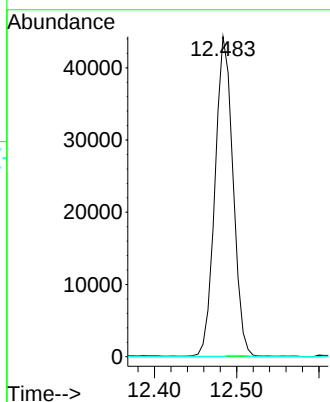
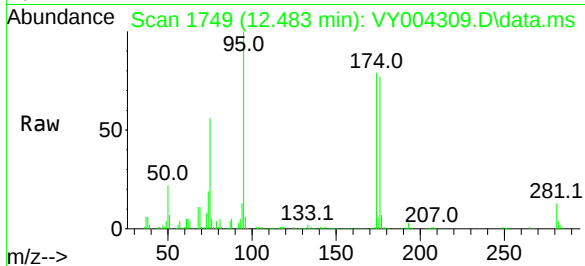




#81
trans-1,4-Dichloro-2-butene
Concen: 109.96 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 67234
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.4 39.4 59.2#



#90
Hexachloroethane
Concen: 7.45 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. -0.006 min
Lab File: VY004309.D
Acq: 07 Apr 2021 12:26

Tgt Ion: 117 Resp: 142
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

