

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040521\
 Data File : VY004281.D
 Acq On : 05 Apr 2021 13:57
 Operator : SY/MD
 Sample : M1932-03
 Misc : 5.96g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TS-3

Quant Time: Apr 05 15:21:24 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)

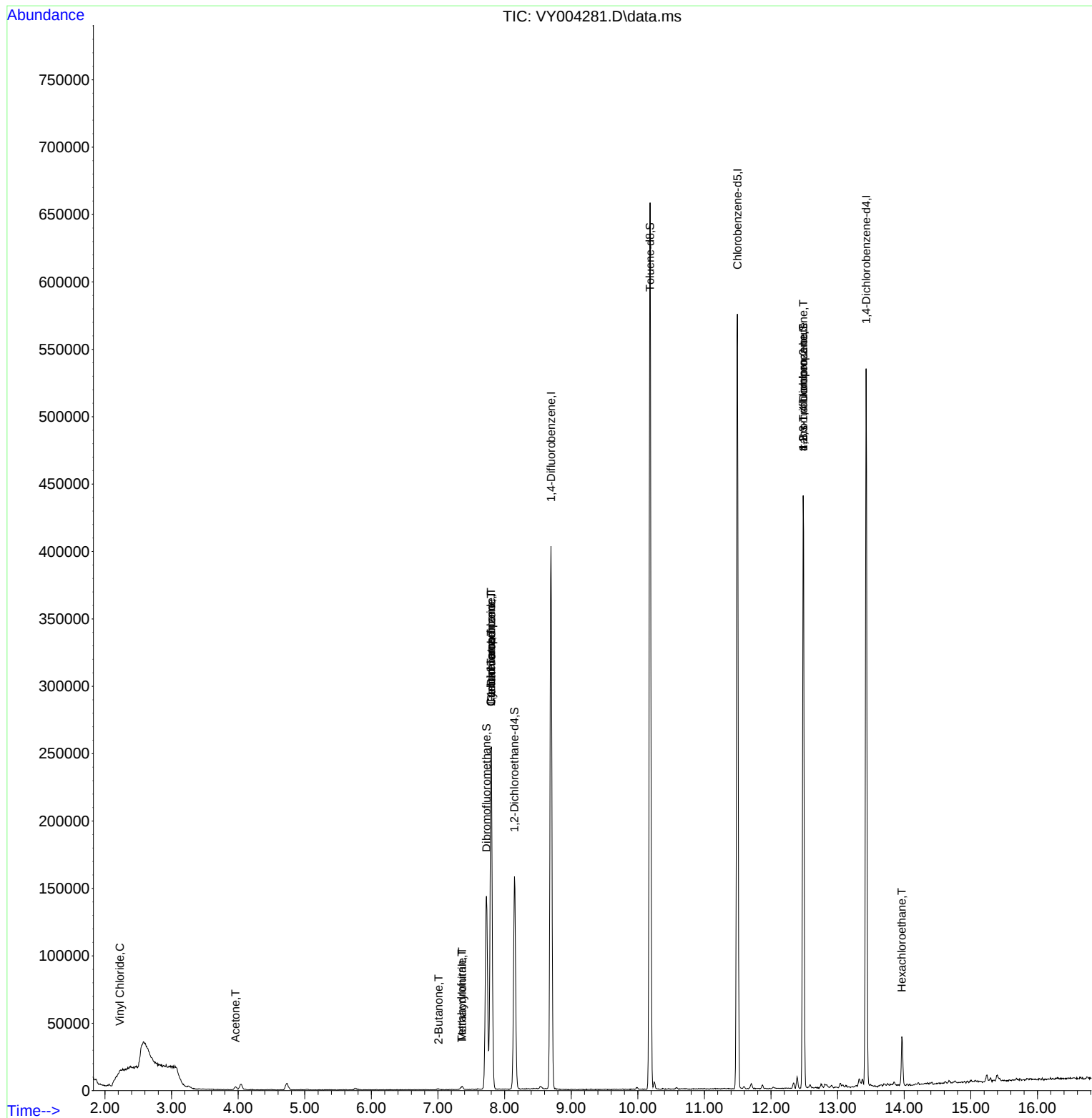
Internal Standards						
1) Pentafluorobenzene	7.801	168	194343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	337137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	307050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	120082	64.28	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.56%			
35) Dibromofluoromethane	7.728	113	103219	54.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.90%			
50) Toluene-d8	10.185	98	408118	57.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.52%			
62) 4-Bromofluorobenzene	12.483	95	131613	54.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.70%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.223	62	9894	3.91	ug/l #	42
13) Acrolein	3.747	56	29	Below Cal	#	1
16) Acetone	3.960	43	3707	9.52	ug/l	92
20) Methylene Chloride	4.735	84	3740	Below Cal		92
25) 2-Butanone	7.009	43	1099	1.69	ug/l #	87
29) Tetrahydrofuran	7.356	42	1937	4.23	ug/l #	88
31) Cyclohexane	7.795	56	4438	1.34	ug/l #	23
36) 1,1-Dichloropropene	7.795	75	15118	4.91	ug/l #	49
38) Carbon Tetrachloride	7.795	117	19702	7.36	ug/l #	17
41) Methacrylonitrile	7.362	41	1072	1.07	ug/l #	43
49) 1,4-Dioxane	9.295	88	103	Below Cal	#	51
76) 1,2,3-Trichloropropane	12.483	75	71656	60.84	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71656	112.13	ug/l #	10
90) Hexachloroethane	13.965	117	162	7.47	ug/l #	12

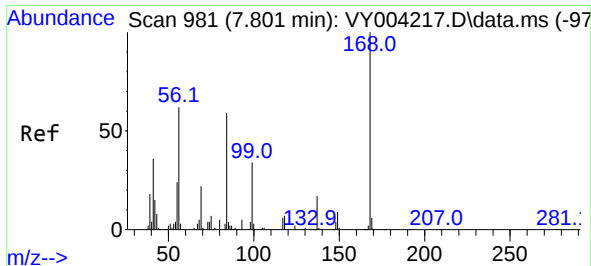
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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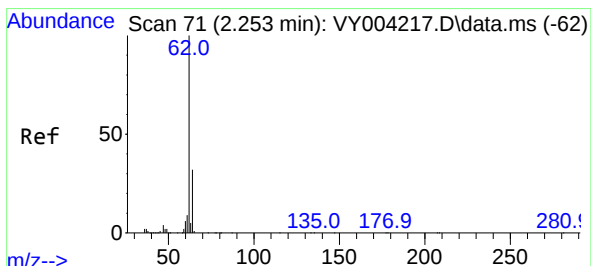
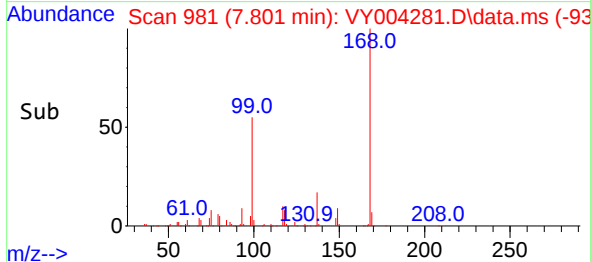
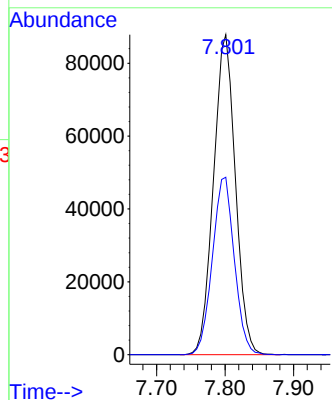
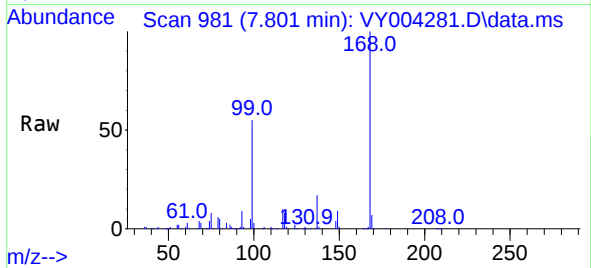




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

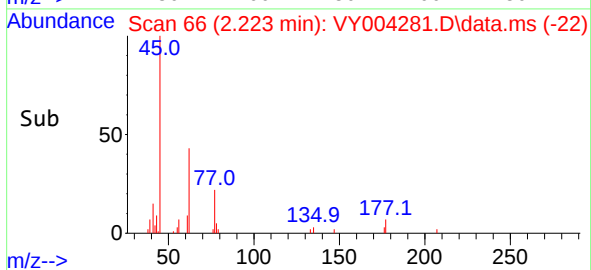
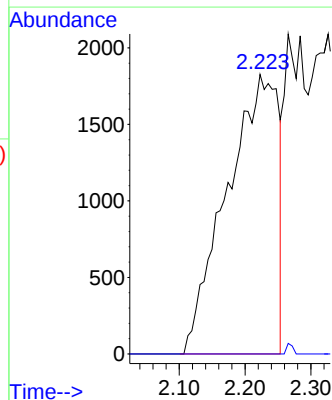
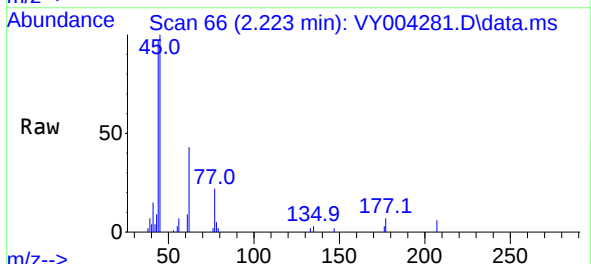
Instrument :
MSVOA_Y
ClientSampled :
TS-3

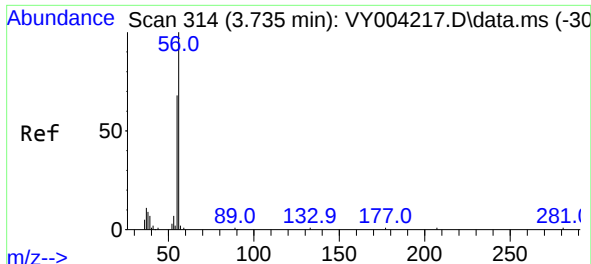
Tgt Ion:168 Resp: 194343
Ion Ratio Lower Upper
168 100
99 55.4 42.6 64.0



#4
Vinyl Chloride
Concen: 3.91 ug/l
RT: 2.223 min Scan# 66
Delta R.T. -0.031 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Tgt Ion: 62 Resp: 9894
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

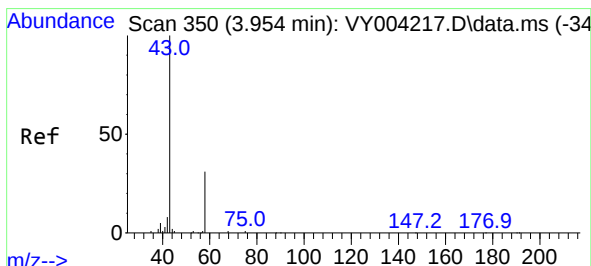
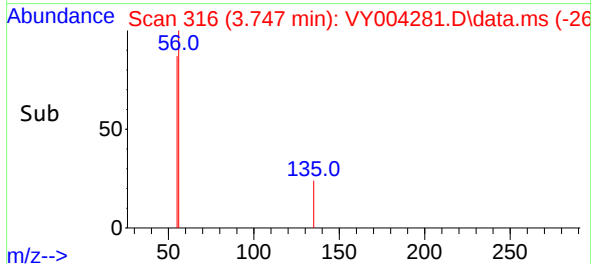
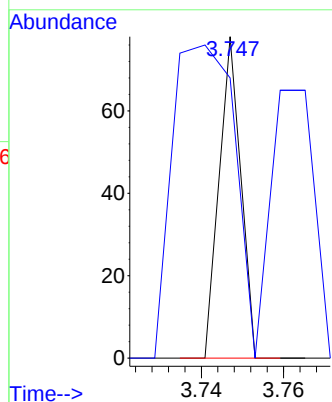
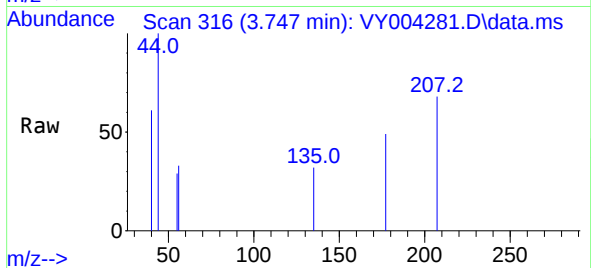




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

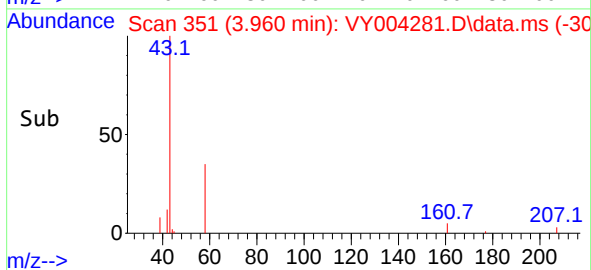
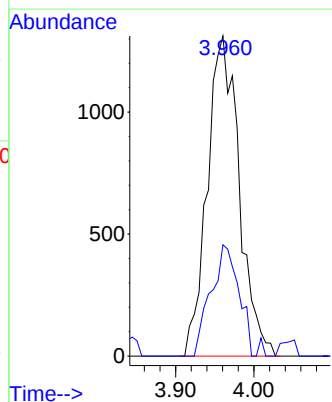
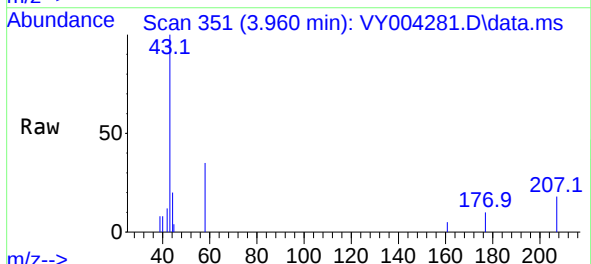
Instrument :
MSVOA_Y
ClientSampled :
TS-3

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 275.9 55.0 82.4#

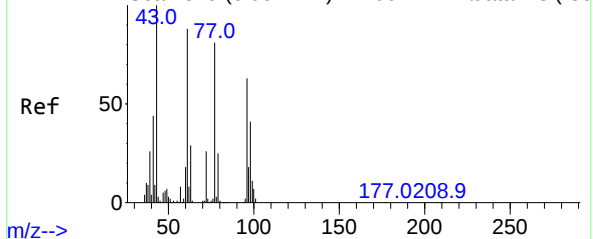


#16
Acetone
Concen: 9.52 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

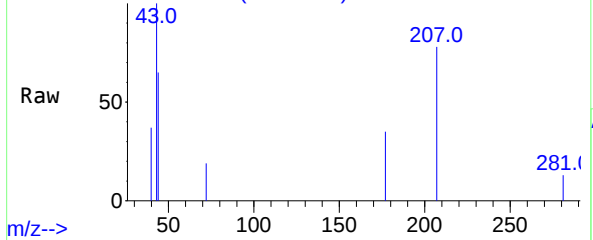
Tgt Ion: 43 Resp: 3707
Ion Ratio Lower Upper
43 100
58 34.8 24.5 36.7



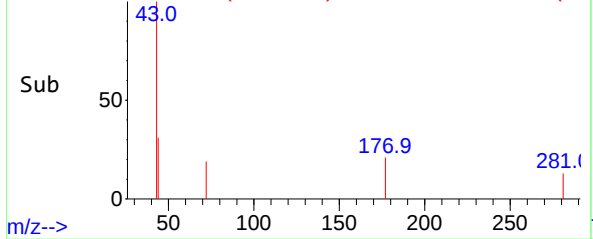
Abundance Scan 849 (6.997 min): VY004217.D\data.ms (-83



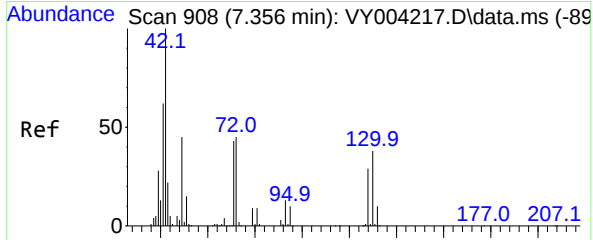
m/z--> Scan 851 (7.009 min): VY004281.D\data.ms



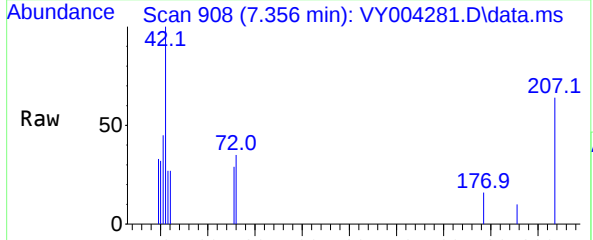
Abundance Scan 851 (7.009 min): VY004281.D\data.ms (-80



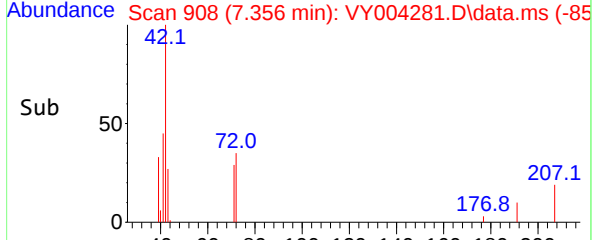
m/z--> Scan 908 (7.356 min): VY004217.D\data.ms (-89



m/z--> Scan 908 (7.356 min): VY004281.D\data.ms



Abundance Scan 908 (7.356 min): VY004281.D\data.ms (-85



m/z--> Time-->

#25

2-Butanone

Concen: 1.69 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY004281.D

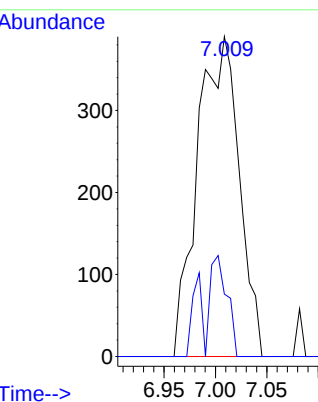
Acq: 05 Apr 2021 13:57

Tgt Ion: 43 Resp: 1099

Ion Ratio Lower Upper

43 100

72 19.5 21.0 31.6#



#29

Tetrahydrofuran

Concen: 4.23 ug/l

RT: 7.356 min Scan# 908

Delta R.T. -0.000 min

Lab File: VY004281.D

Acq: 05 Apr 2021 13:57

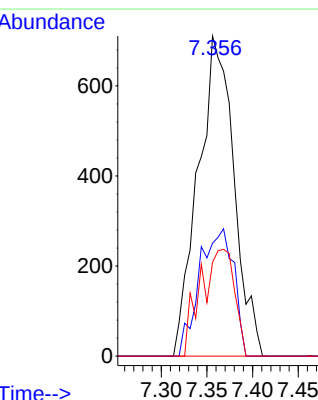
Tgt Ion: 42 Resp: 1937

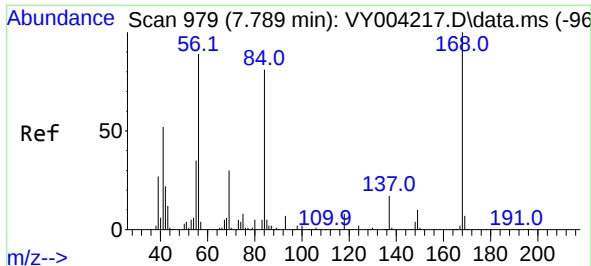
Ion Ratio Lower Upper

42 100

72 37.9 35.1 52.7

71 31.6 32.9 49.3#

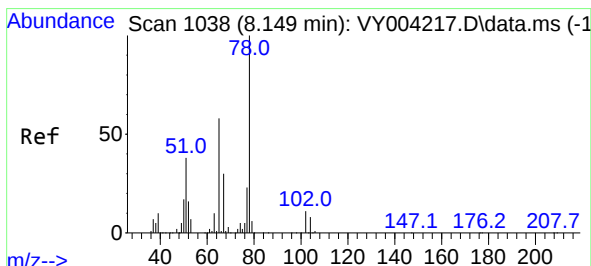
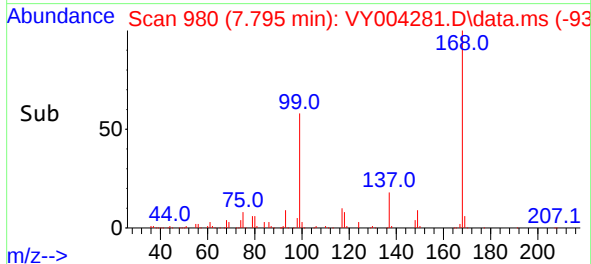
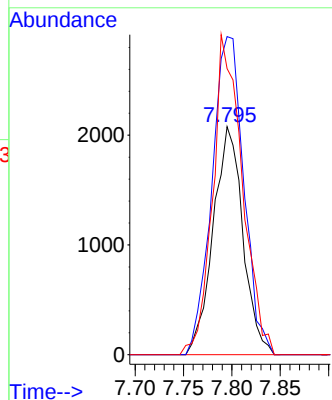
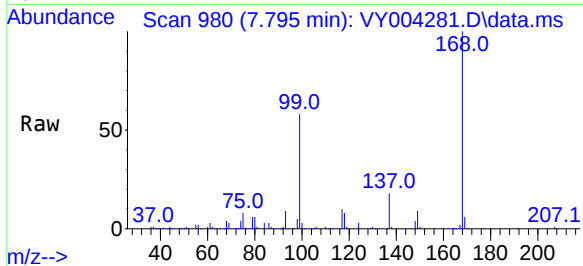




#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

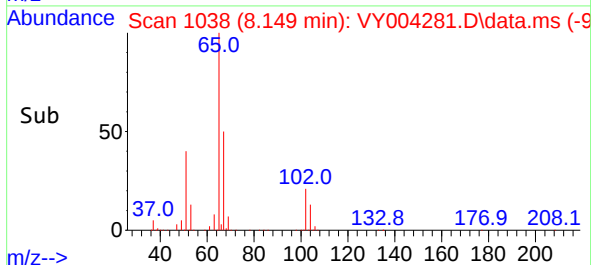
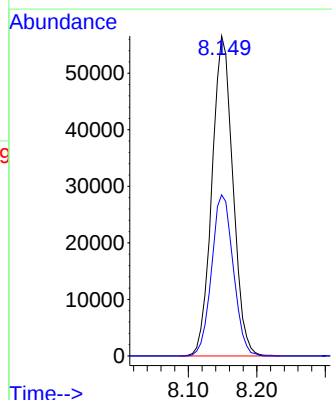
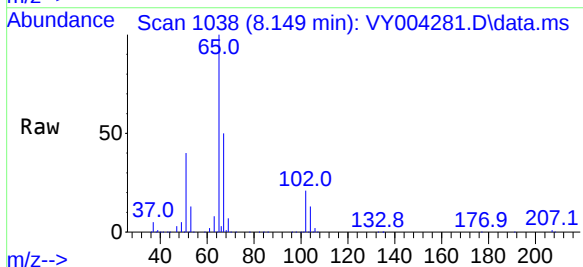
Instrument :
MSVOA_Y
ClientSampled :
TS-3

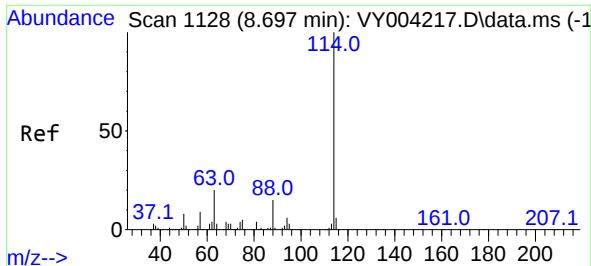
Tgt Ion: 56 Resp: 4438
Ion Ratio Lower Upper
56 100
69 139.5 26.6 40.0#
84 125.5 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 64.28 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Tgt Ion: 65 Resp: 120082
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

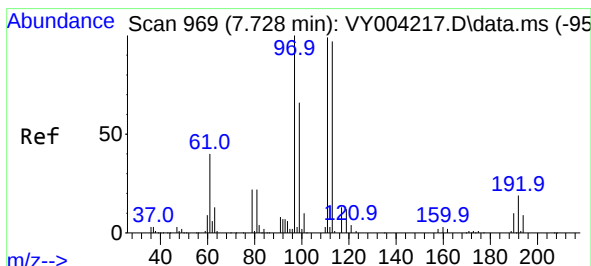
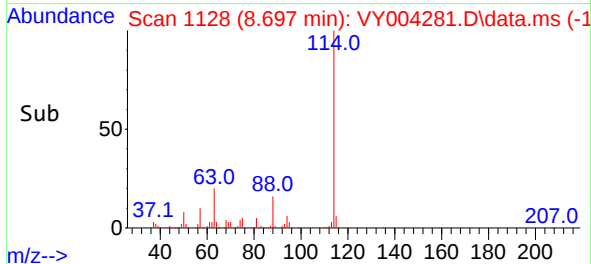
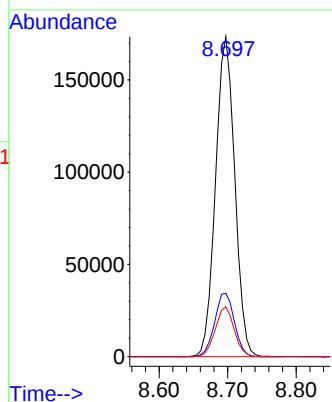
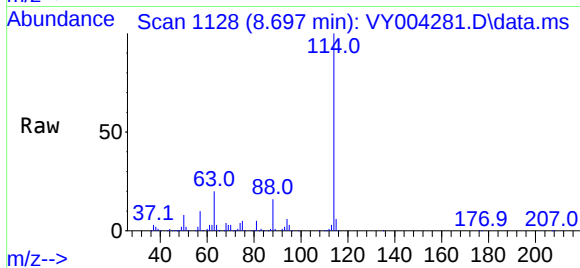
RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004281.D

Acq: 05 Apr 2021 13:57

Tgt Ion:	114	Resp:	337137
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.4
88	15.6	0.0	30.8



#35

Dibromofluoromethane

Concen: 54.95 ug/l

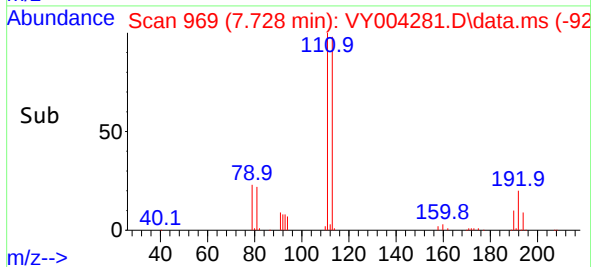
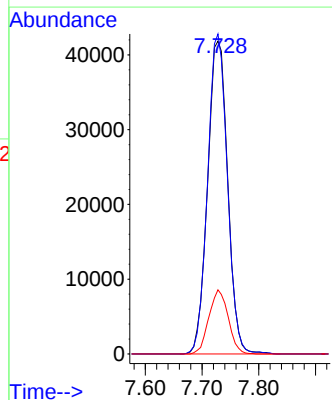
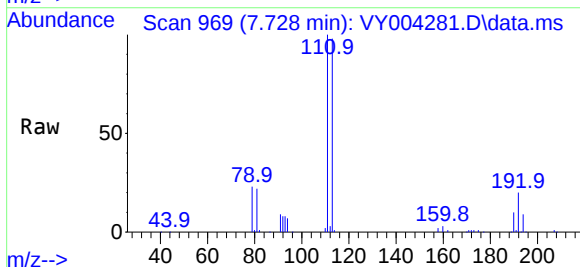
RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

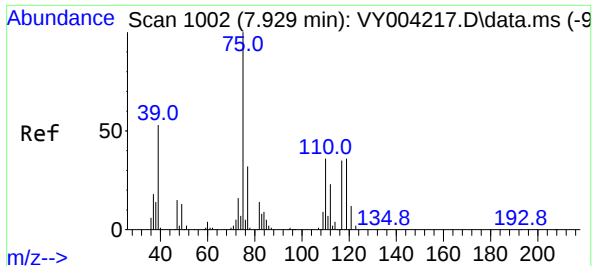
Lab File: VY004281.D

Acq: 05 Apr 2021 13:57

Tgt Ion:	113	Resp:	103219
Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.6	124.0
192	19.7	16.4	24.6



Instrument :
MSVOA_Y
ClientSampleId :
TS-3

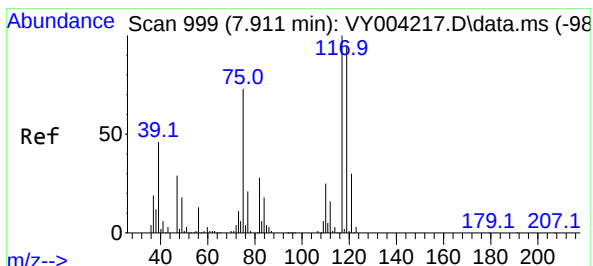
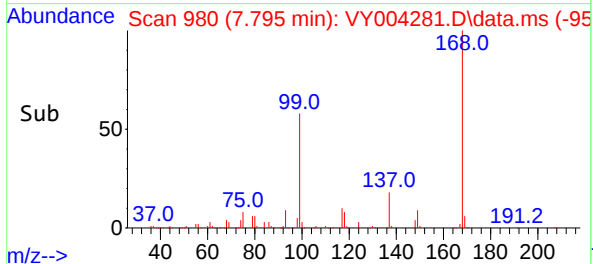
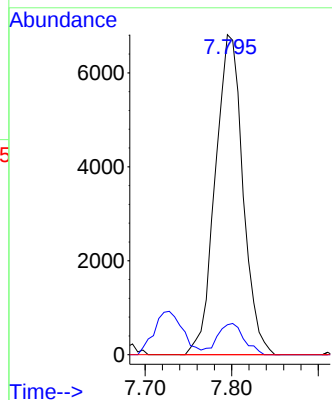
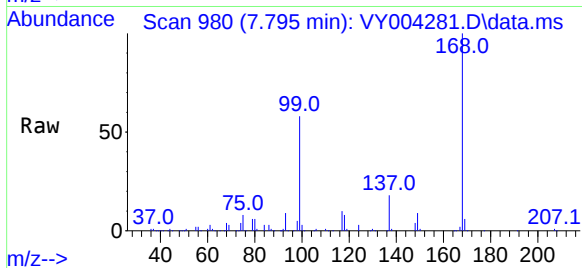


#36

1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Instrument :
MSVOA_Y
ClientSampled :
TS-3

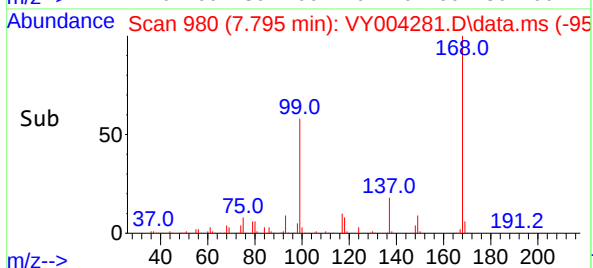
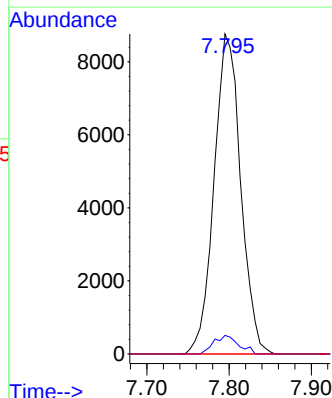
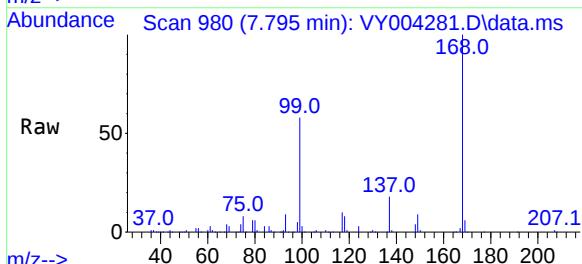
Tgt Ion:	75	Resp:	15118
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.3#
77	0.0	25.1	37.7#

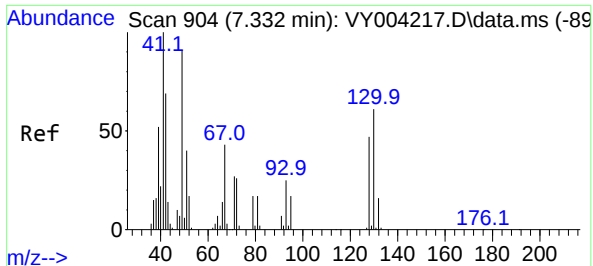


#38

Carbon Tetrachloride
Concen: 7.36 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

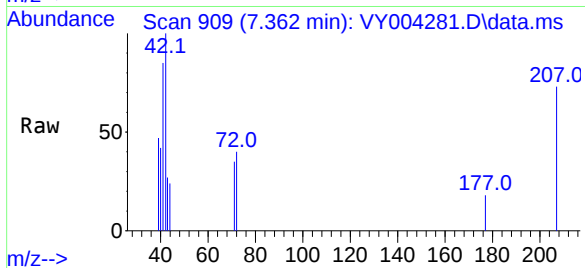
Tgt Ion:	117	Resp:	19702
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.6	113.4#
121	0.0	24.3	36.5#



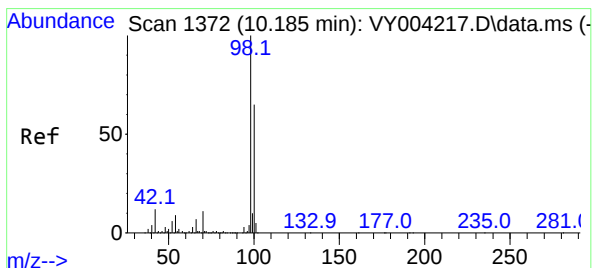
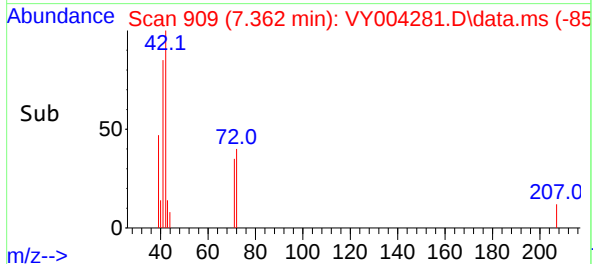
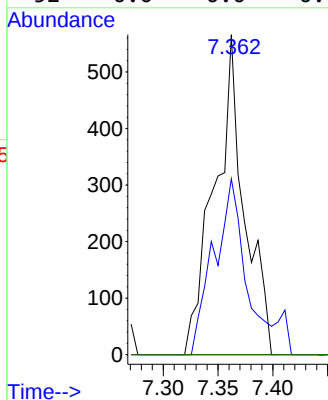


#41
Methacrylonitrile
Concen: 1.07 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.030 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Instrument :
MSVOA_Y
ClientSampled :
TS-3

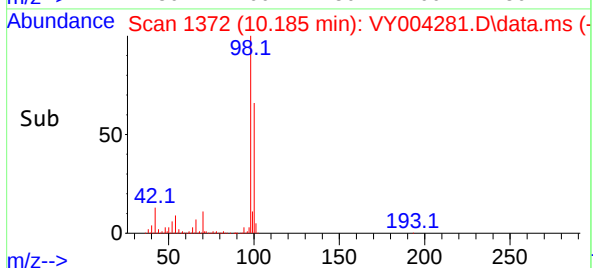
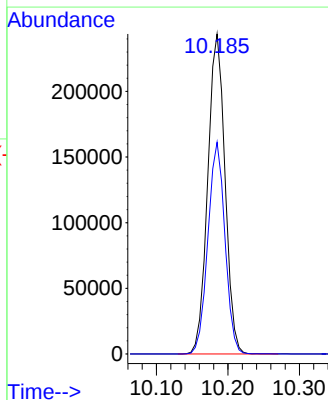
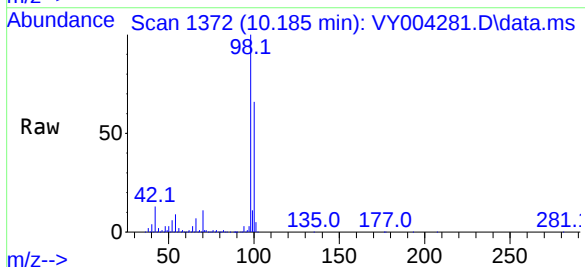


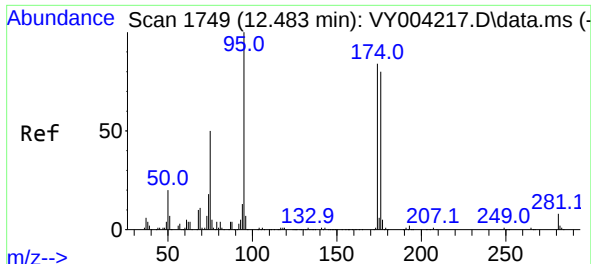
Tgt Ion: 41 Resp: 1072
Ion Ratio Lower Upper
41 100
39 63.3 103.4 155.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 57.76 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Tgt Ion: 98 Resp: 408118
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

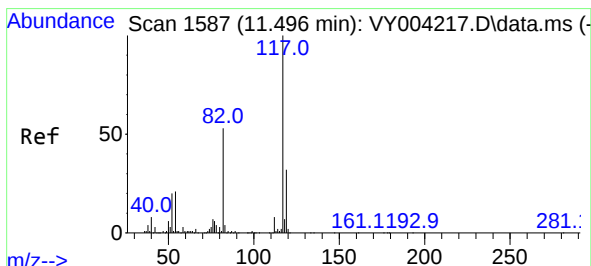
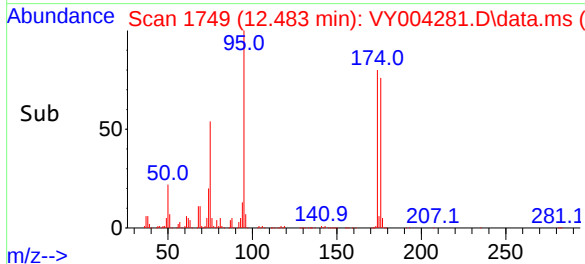
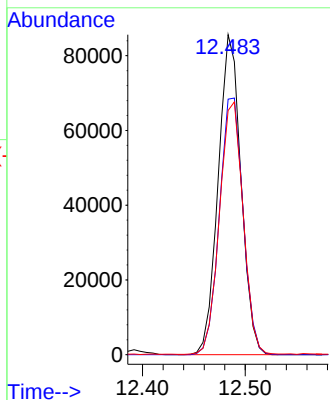
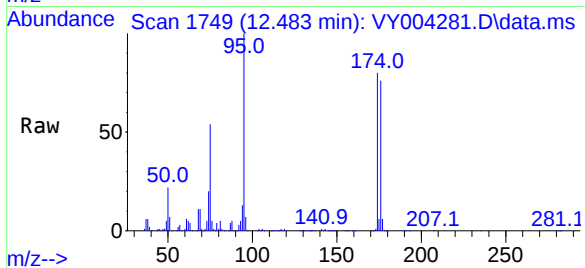




#62
4-Bromofluorobenzene
Concen: 54.35 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

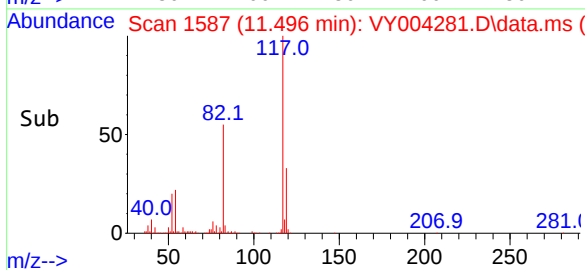
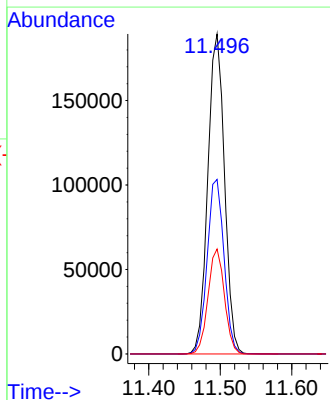
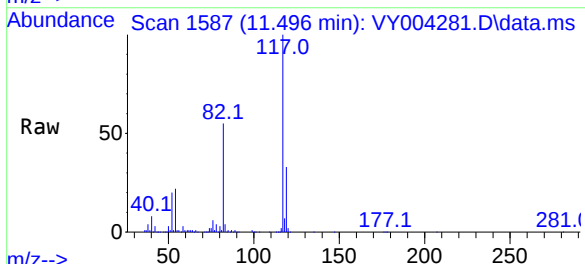
Instrument :
MSVOA_Y
ClientSampleId :
TS-3

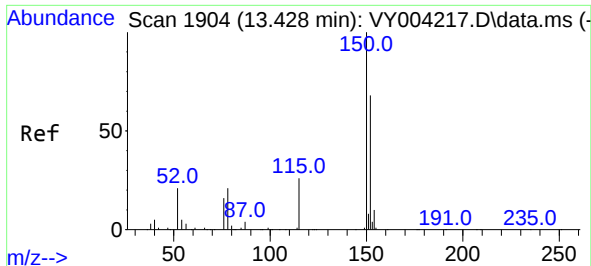
Tgt Ion: 95 Resp: 131613
Ion Ratio Lower Upper
95 100
174 83.3 0.0 171.4
176 81.7 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Tgt Ion: 117 Resp: 307050
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 32.8 25.7 38.5

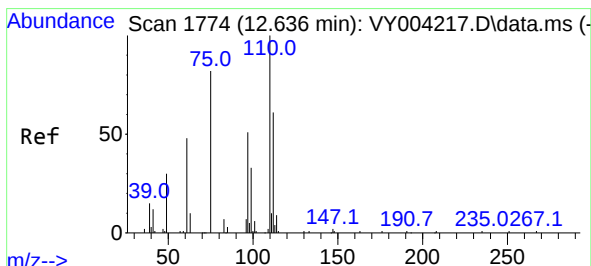
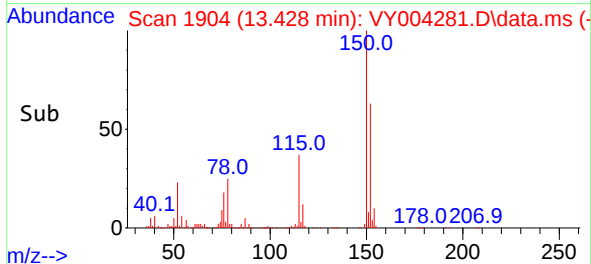
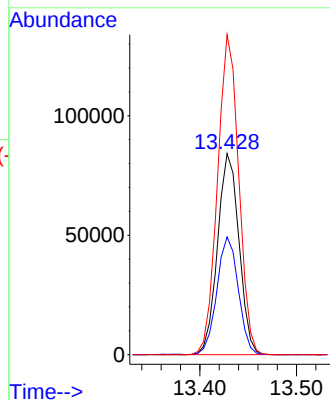
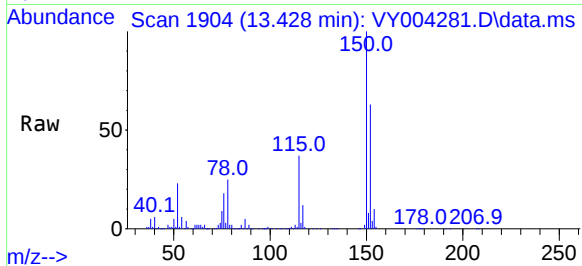




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

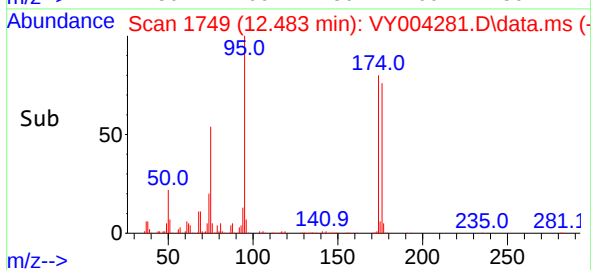
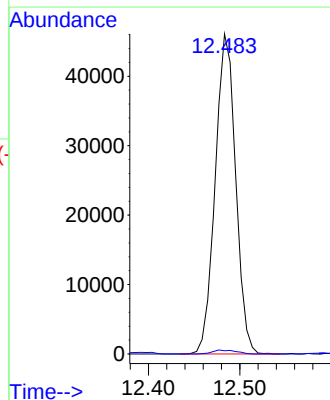
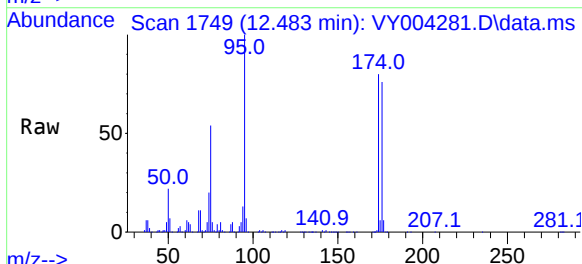
Instrument :
MSVOA_Y
ClientSampled :
TS-3

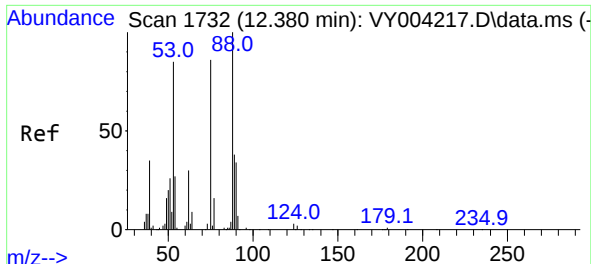
Tgt Ion:152 Resp: 129706
Ion Ratio Lower Upper
152 100
115 58.4 29.0 87.1
150 157.0 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 60.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Tgt Ion: 75 Resp: 71656
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

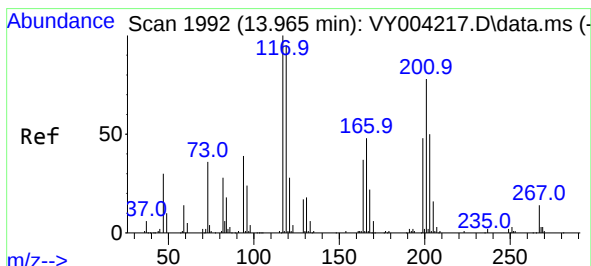
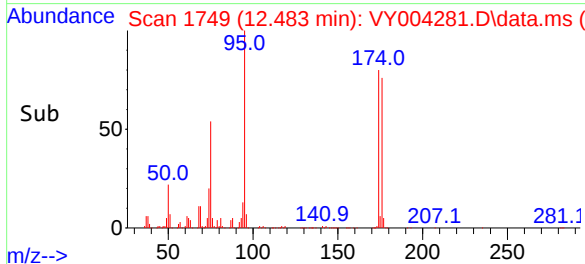
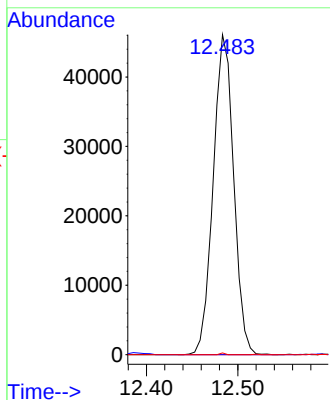
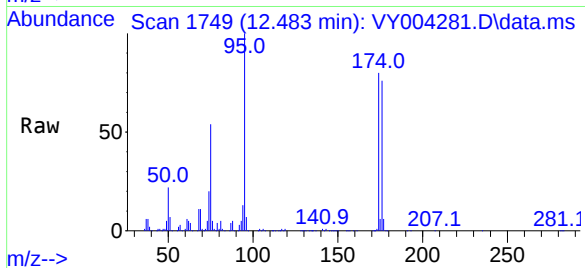




#81
trans-1,4-Dichloro-2-butene
Concen: 112.13 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Instrument :
MSVOA_Y
ClientSampleId :
TS-3

Tgt Ion: 75 Resp: 71656
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.1 39.4 59.2#



#90
Hexachloroethane
Concen: 7.47 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VY004281.D
Acq: 05 Apr 2021 13:57

Tgt Ion: 117 Resp: 162
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

