

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040521\
 Data File : VY004286.D
 Acq On : 05 Apr 2021 15:54
 Operator : SY/MD
 Sample : M1909-03
 Misc : 6.42g/5mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-17-12-13

Quant Time: Apr 06 00:59:33 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)

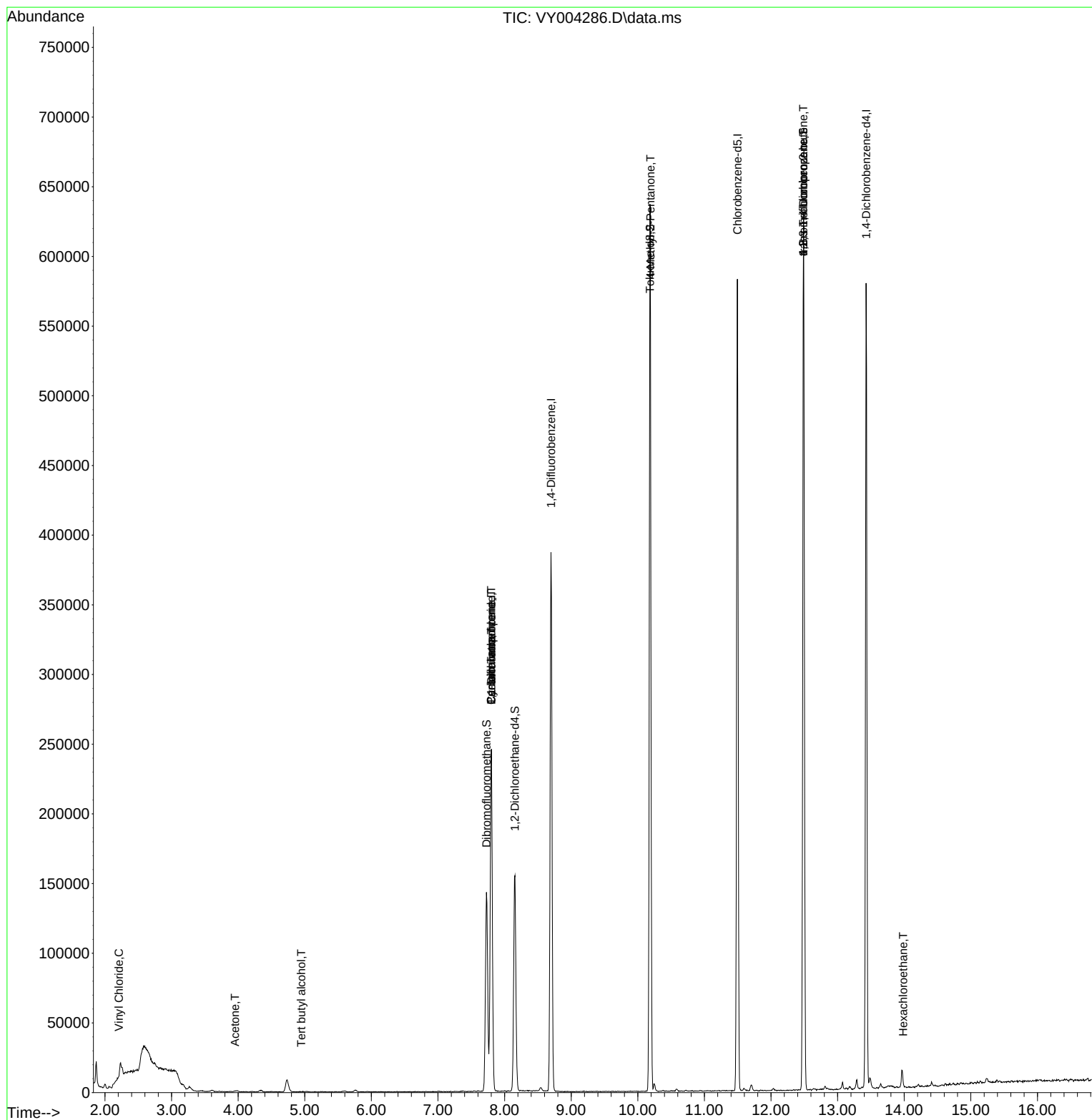
Internal Standards						
1) Pentafluorobenzene	7.801	168	187974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	323539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	305020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	119546	66.16	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.32%
35) Dibromofluoromethane	7.728	113	99647	55.28	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.56%
50) Toluene-d8	10.185	98	393015	57.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.92%
62) 4-Bromofluorobenzene	12.483	95	137062	58.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.96%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.211	62	5527	2.26	ug/l #	42
11) Tert butyl alcohol	4.948	59	160	1.09	ug/l #	71
13) Acrolein	3.710	56	41	Below Cal	#	1
16) Acetone	3.954	43	1461	3.88	ug/l	92
31) Cyclohexane	7.801	56	4217	1.32	ug/l #	4
36) 1,1-Dichloropropene	7.801	75	14772	5.00	ug/l #	49
38) Carbon Tetrachloride	7.801	117	18383	7.16	ug/l #	16
51) 4-Methyl-2-Pentanone	10.191	43	1942	1.16	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	77001	61.38	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77001	113.13	ug/l #	10
90) Hexachloroethane	13.983	117	20	7.30	ug/l #	12

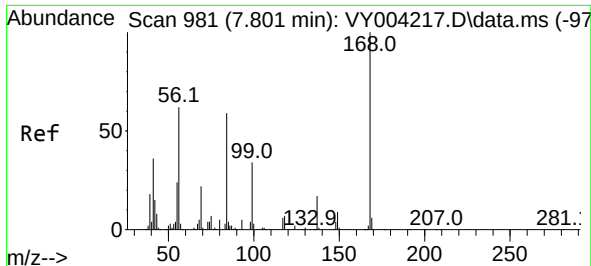
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
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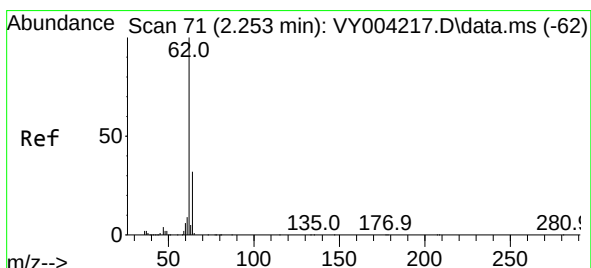
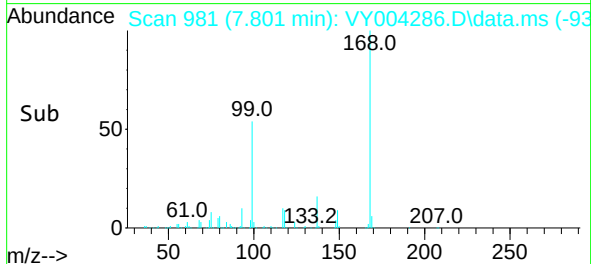
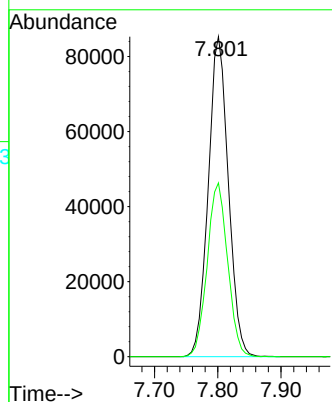
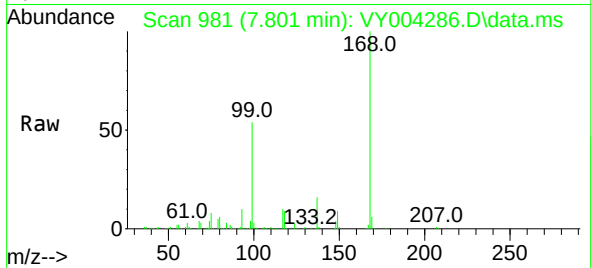




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

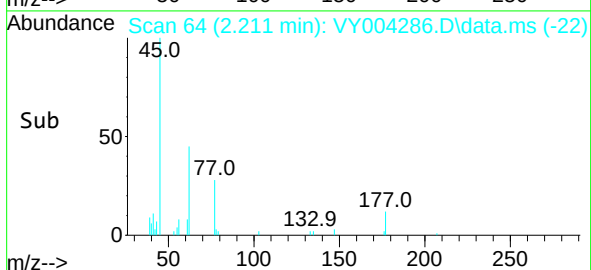
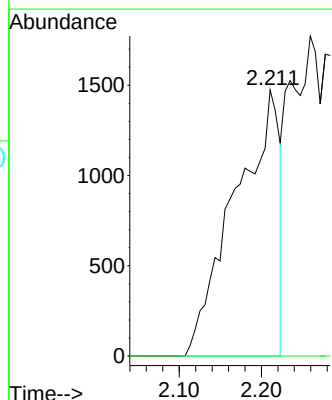
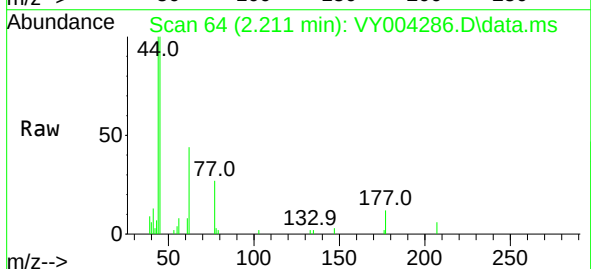
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

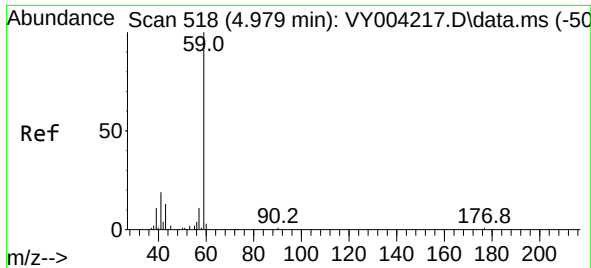
Tgt Ion:168 Resp: 187974
Ion Ratio Lower Upper
168 100
99 54.3 42.6 64.0



#4
Vinyl Chloride
Concen: 2.26 ug/l
RT: 2.211 min Scan# 64
Delta R.T. -0.043 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Tgt Ion: 62 Resp: 5527
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



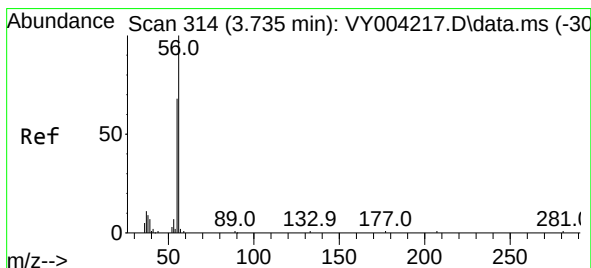
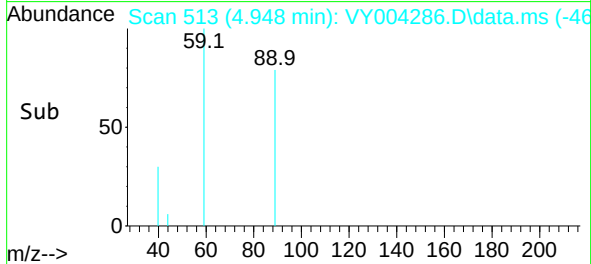
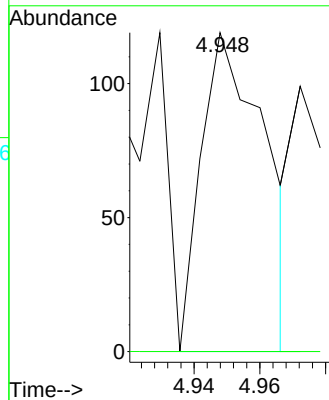
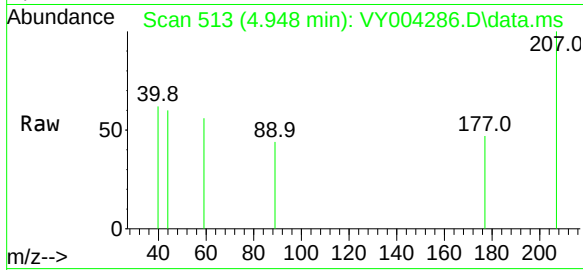


#11

Tert butyl alcohol
Concen: 1.09 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.031 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

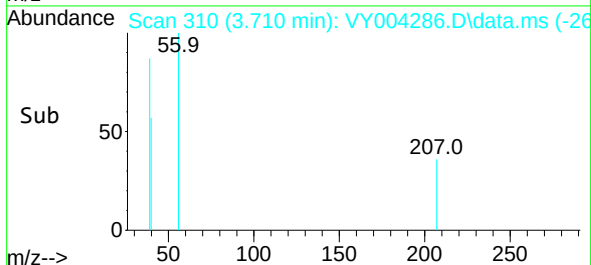
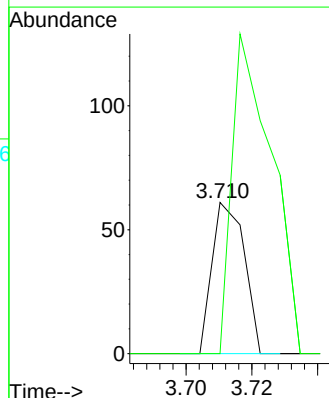
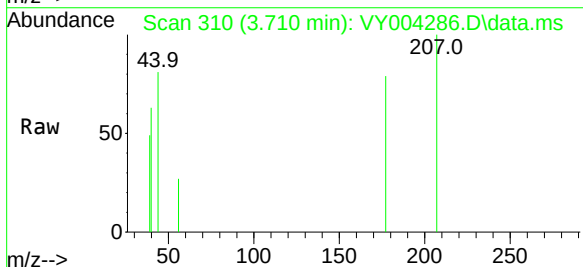
Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

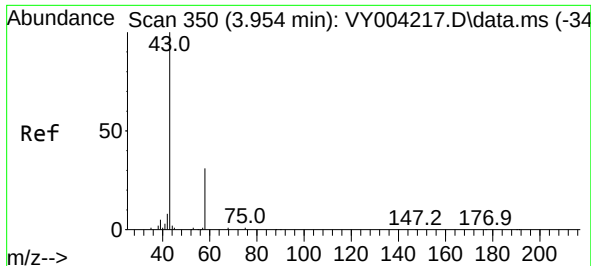


#13

Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 310
Delta R.T. -0.025 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 263.4 55.0 82.4#

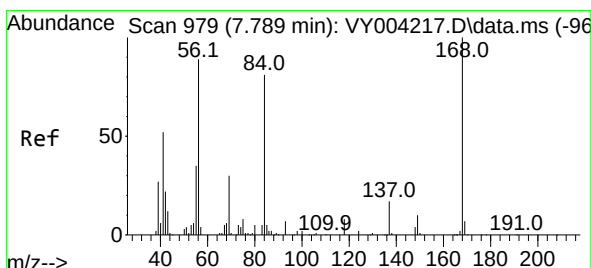
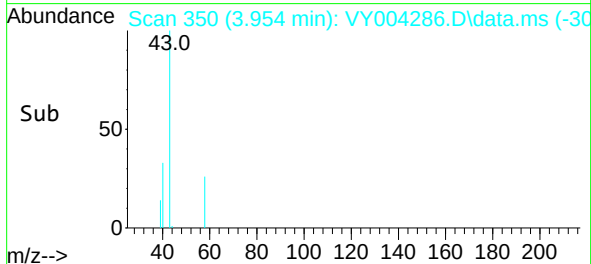
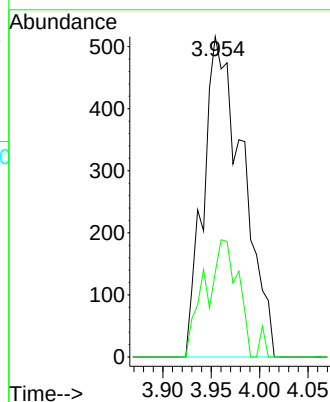
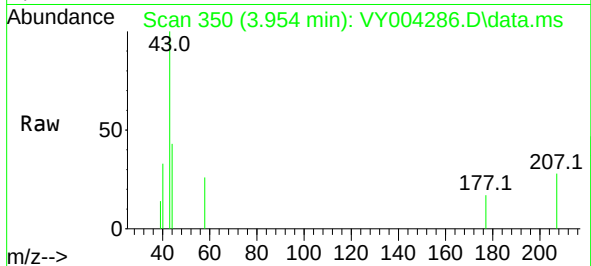




#16
Acetone
Concen: 3.88 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

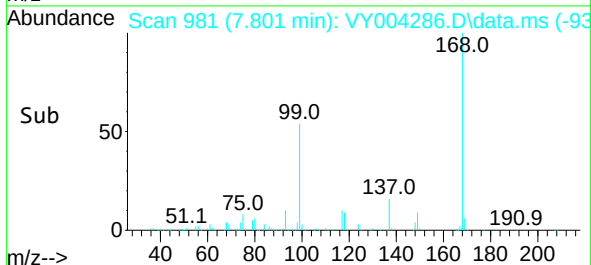
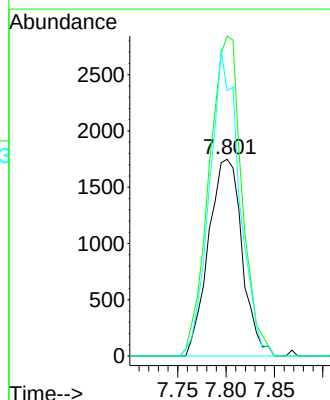
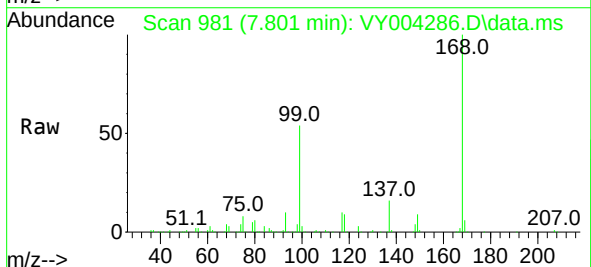
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

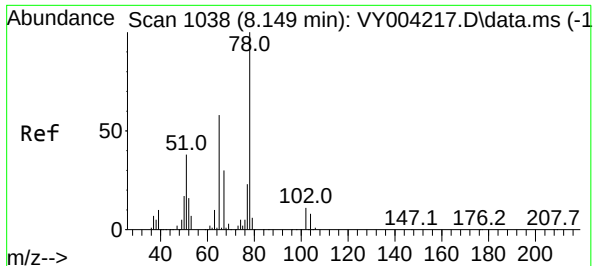
Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 26.4 24.5 36.7



#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Tgt Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 162.7 26.6 40.0#
84 135.0 72.3 108.5#

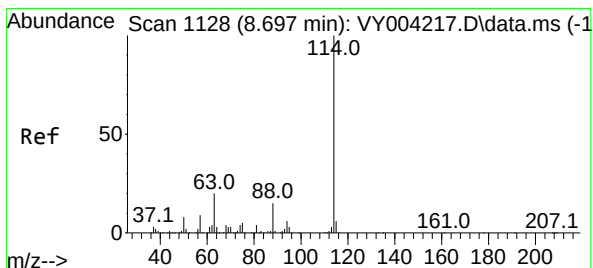
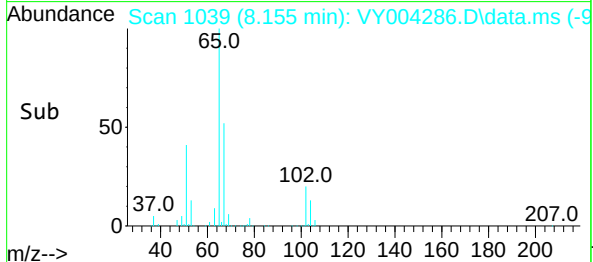
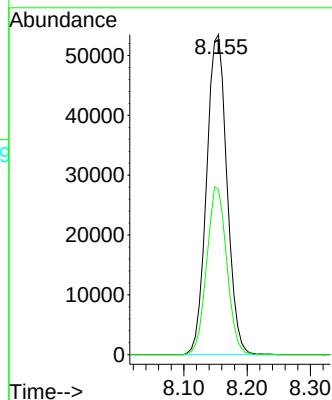
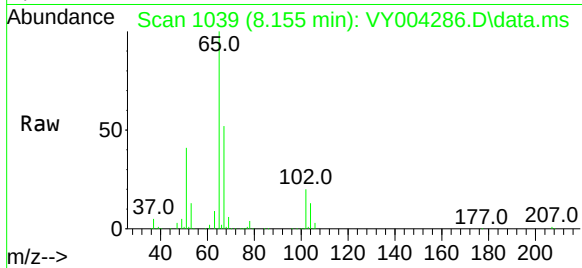




#33
1,2-Dichloroethane-d4
Concen: 66.16 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

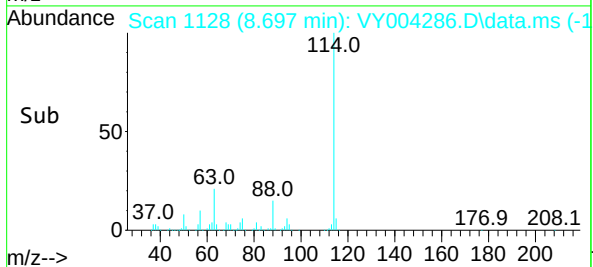
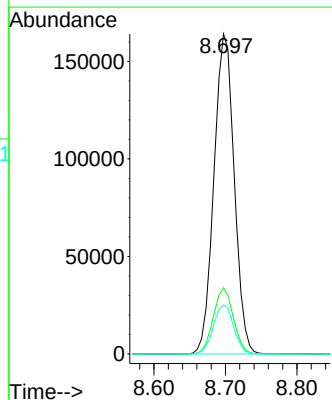
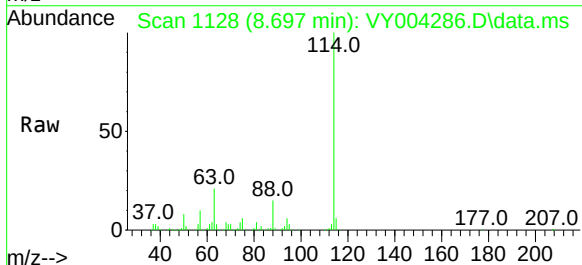
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

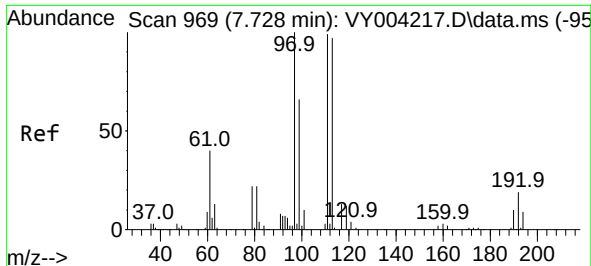
Tgt Ion: 65 Resp: 119546
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

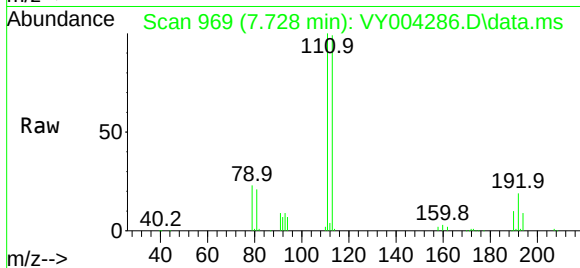
Tgt Ion: 114 Resp: 323539
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.4
88 15.3 0.0 30.8



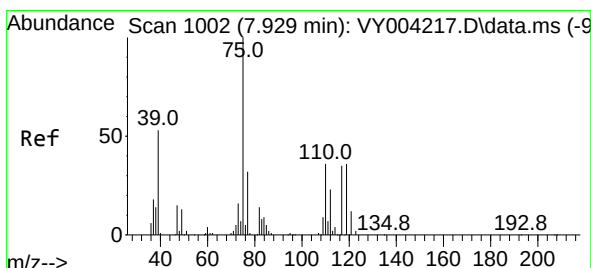
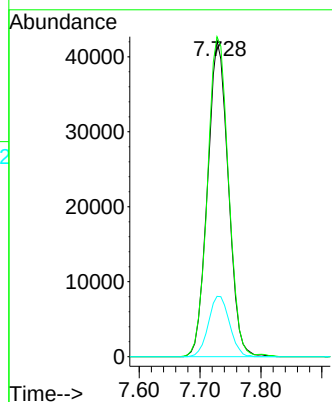
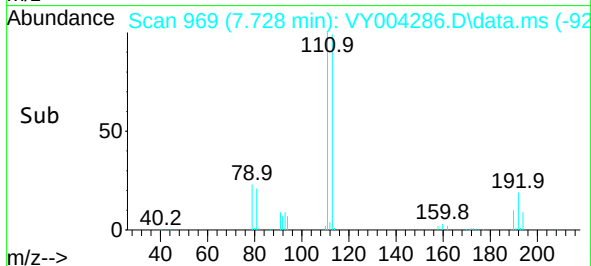


#35
Dibromofluoromethane
Concen: 55.28 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

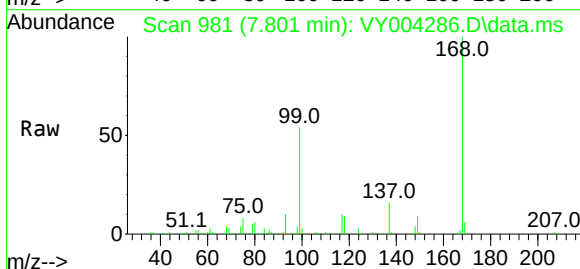
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13



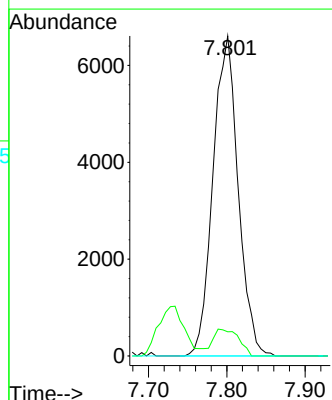
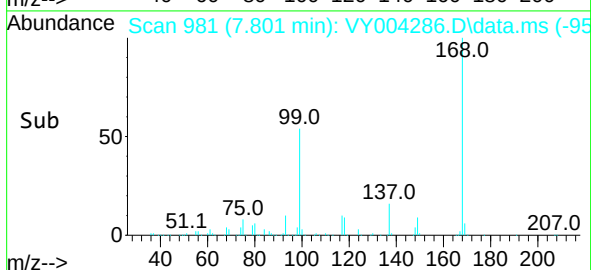
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	19.4	16.4	24.6

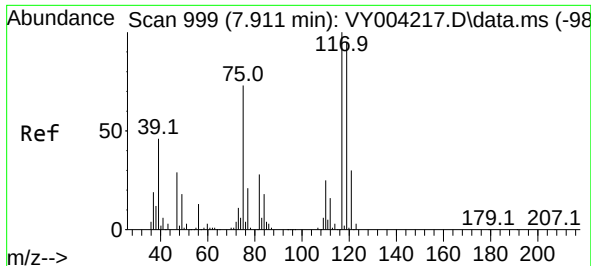


#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54



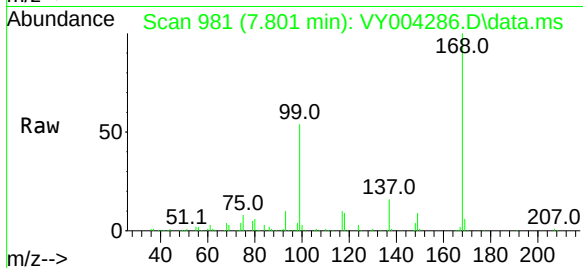
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	25.1	37.7#



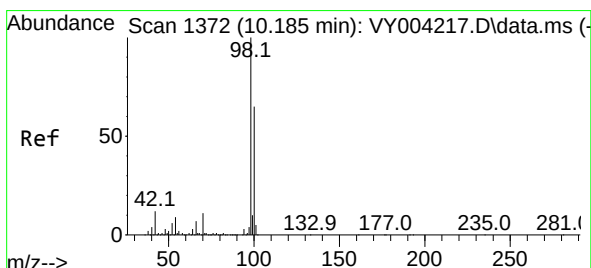
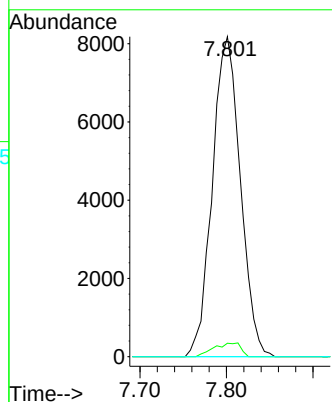
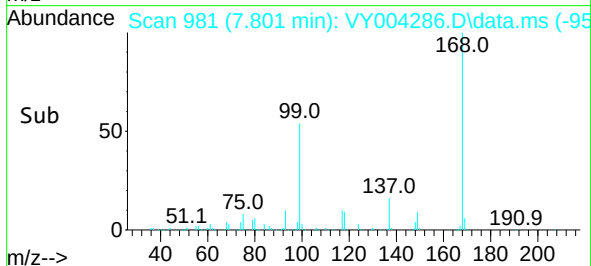


#38
Carbon Tetrachloride
Concen: 7.16 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

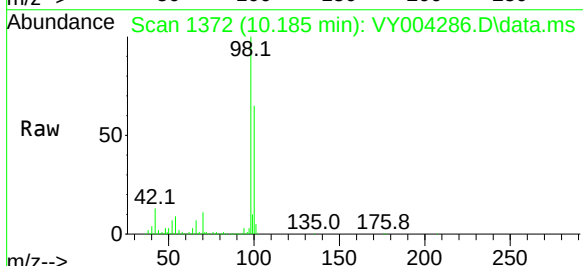
Instrument :
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ClientSampleId :
FS-SB-17-12-13



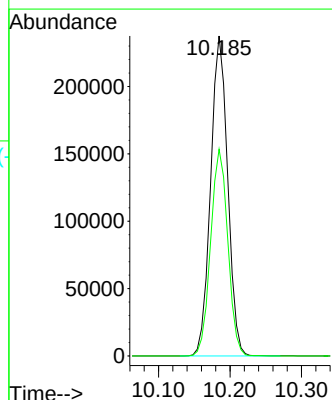
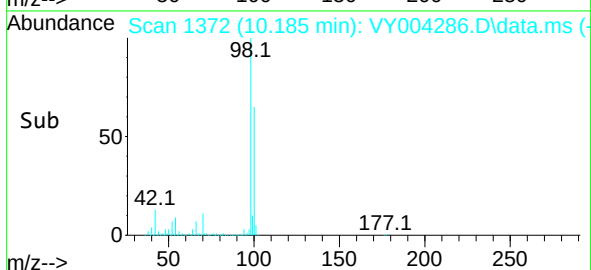
Tgt Ion: 117 Resp: 18383
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 24.3 36.5#

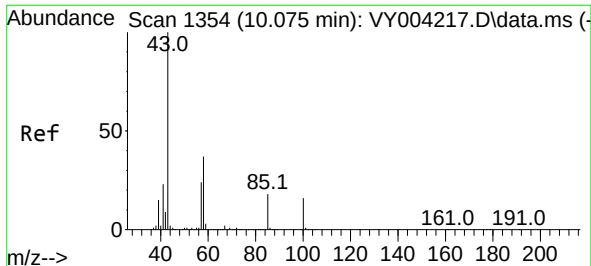


#50
Toluene-d8
Concen: 57.96 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54



Tgt Ion: 98 Resp: 393015
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

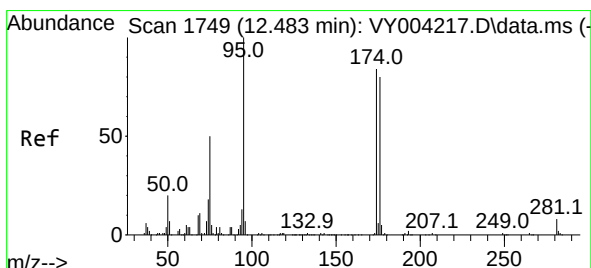
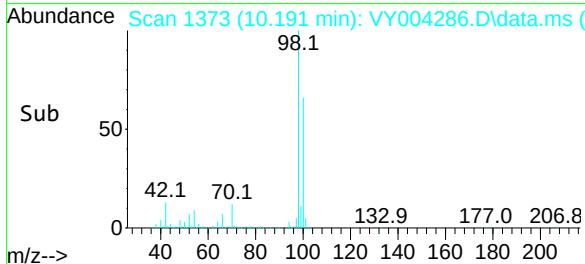
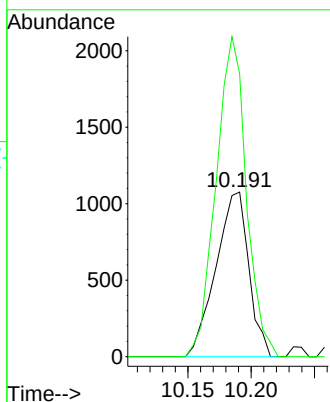
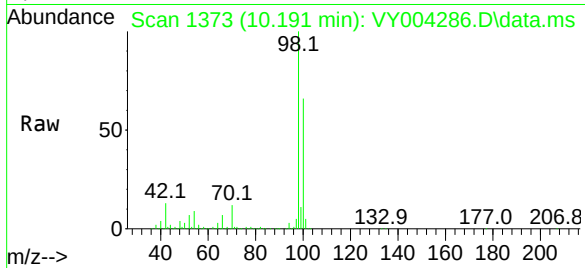




#51
4-Methyl-2-Pentanone
Concen: 1.16 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.116 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

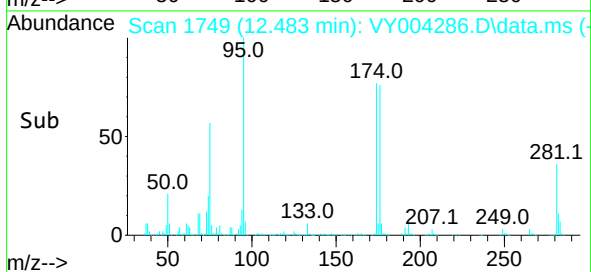
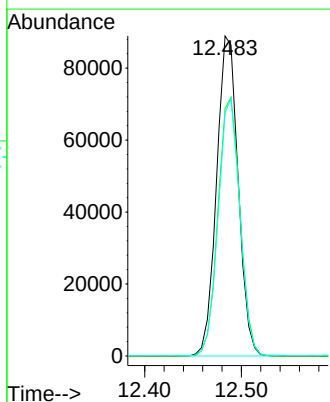
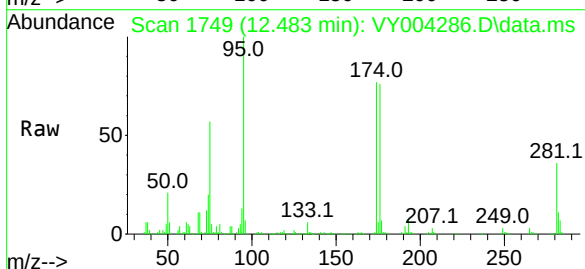
Instrument :
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FS-SB-17-12-13

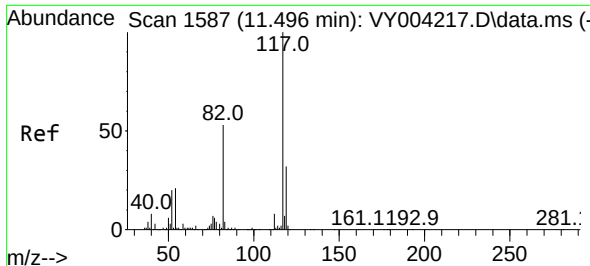
Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
58 179.4 30.6 45.8#



#62
4-Bromofluorobenzene
Concen: 58.98 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Tgt Ion: 95 Resp: 137062
Ion Ratio Lower Upper
95 100
174 83.0 0.0 171.4
176 80.7 0.0 165.6

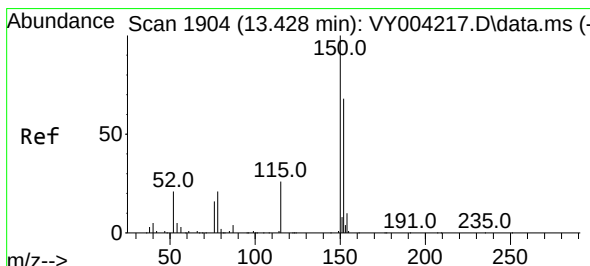
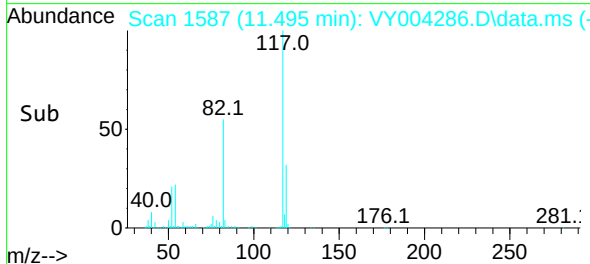
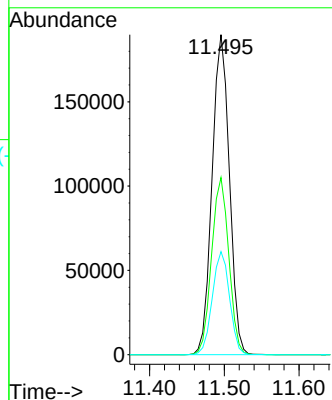
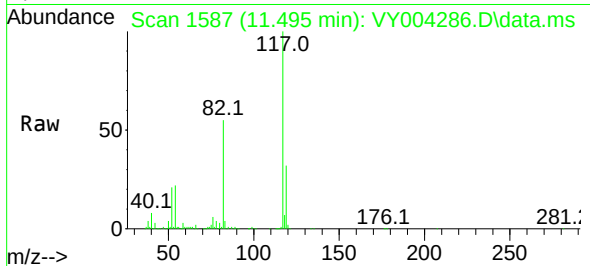




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

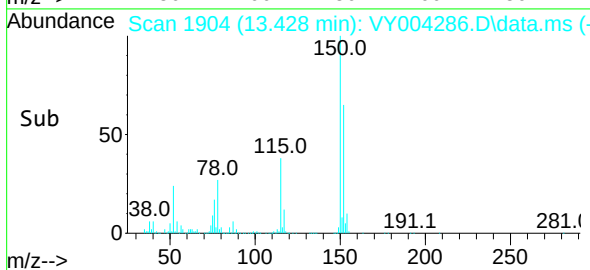
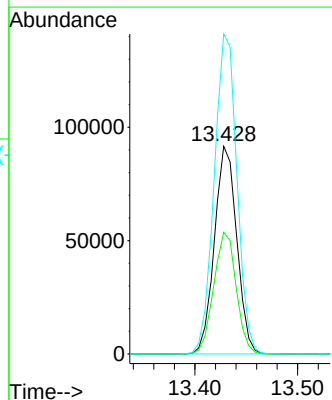
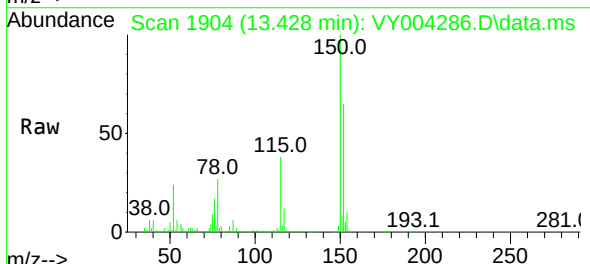
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

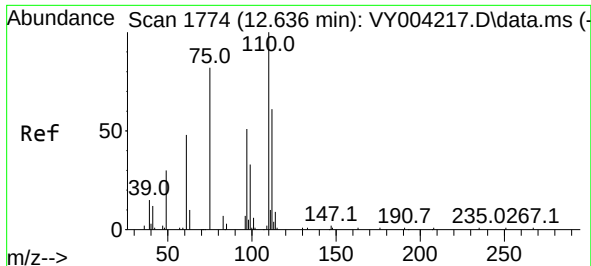
Tgt Ion:	117	Resp:	305020
Ion Ratio	Lower	Upper	
117	100		
82	55.4	42.7	64.1
119	32.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Tgt Ion:	152	Resp:	138150
Ion Ratio	Lower	Upper	
152	100		
115	58.7	29.0	87.1
150	156.7	0.0	347.4

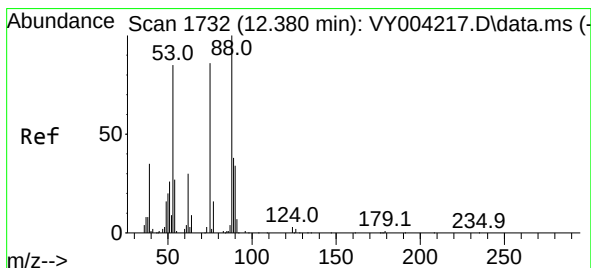
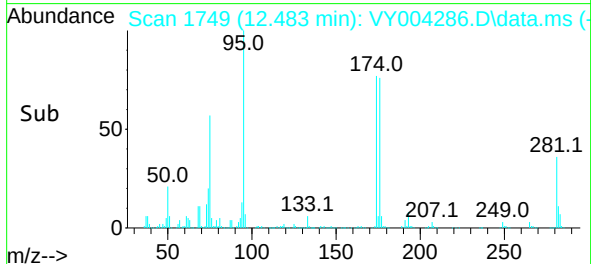
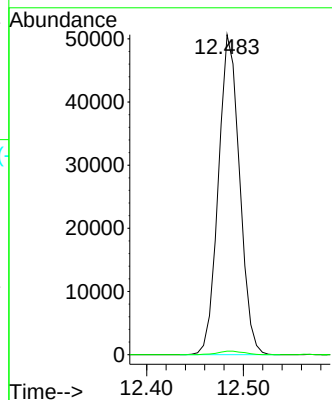
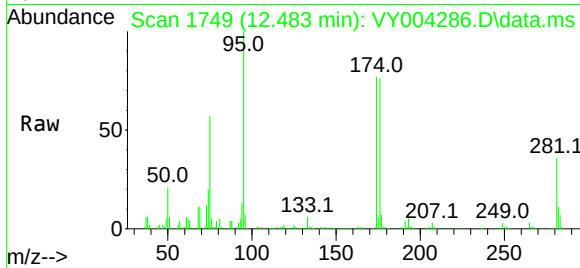




#76
1,2,3-Trichloropropane
Concen: 61.38 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

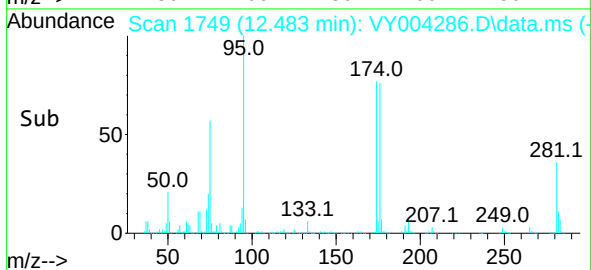
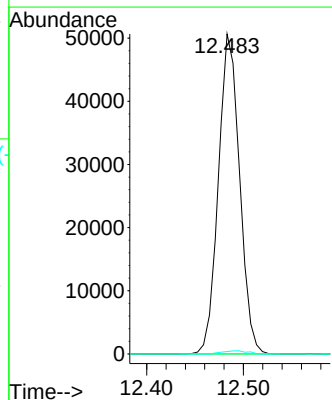
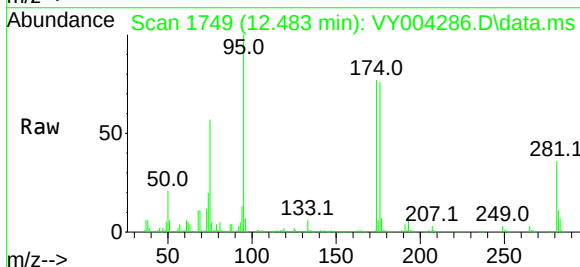
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

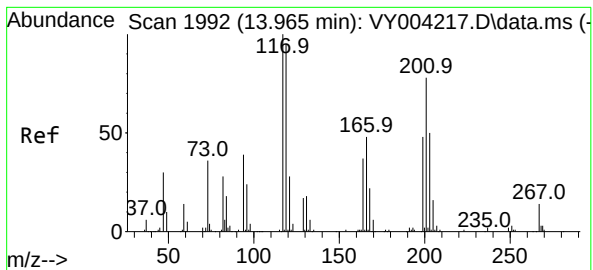
Tgt Ion: 75 Resp: 77001
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.13 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004286.D
Acq: 05 Apr 2021 15:54

Tgt Ion: 75 Resp: 77001
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 1.2 39.4 59.2#





#90
 Hexachloroethane
 Concen: 7.30 ug/l
 RT: 13.983 min Scan# 1995
 Delta R.T. 0.018 min
 Lab File: VY004286.D
 Acq: 05 Apr 2021 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-17-12-13

Tgt Ion:117 Resp: 20
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

