

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004371.D
 Acq On : 09 Apr 2021 20:25
 Operator : SY/MD
 Sample : M1998-01
 Misc : 3.87G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3A

Quant Time: Apr 10 02:07:09 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)

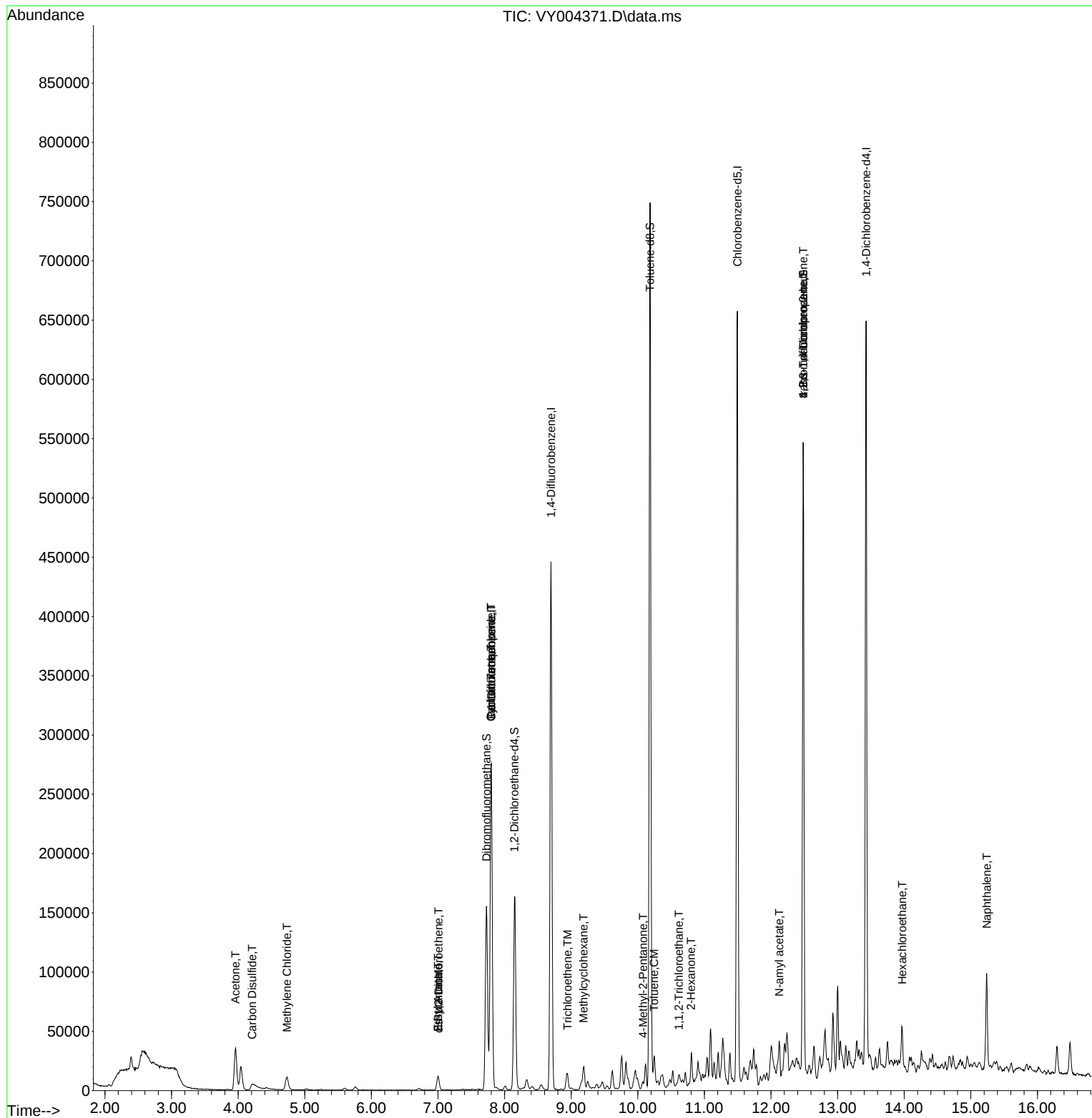
Internal Standards						
1) Pentafluorobenzene	7.801	168	210537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	368489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	338973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	127910	63.20	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.40%			
35) Dibromofluoromethane	7.728	113	107191	52.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.42%			
50) Toluene-d8	10.185	98	452390	58.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.16%			
62) 4-Bromofluorobenzene	12.483	95	154359	58.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.64%			
Target Compounds					Qvalue	
13) Acrolein	3.747	56	278	Below Cal	#	83
16) Acetone	3.960	43	61280	145.33	ug/l	97
17) Carbon Disulfide	4.210	76	7553	1.51	ug/l	97
20) Methylene Chloride	4.734	84	7867	1.36	ug/l	95
25) 2-Butanone	7.002	43	11986	17.02	ug/l #	89
27) cis-1,2-Dichloroethene	7.008	96	3188	1.32	ug/l	86
31) Cyclohexane	7.795	56	5426	1.52	ug/l #	9
36) 1,1-Dichloropropene	7.801	75	16969	5.04	ug/l #	50
37) Ethyl Acetate	7.002	43	11986	6.07	ug/l #	61
38) Carbon Tetrachloride	7.795	117	20994	7.18	ug/l #	16
39) Methylcyclohexane	9.185	83	5804	1.39	ug/l #	85
44) Trichloroethene	8.947	130	3125	1.03	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	2150	1.13	ug/l	95
52) Toluene	10.246	92	10538	1.72	ug/l	99
55) 1,1,2-Trichloroethane	10.617	97	3404	1.79	ug/l #	21
59) 2-Hexanone	10.800	43	12742	9.74	ug/l #	29
74) N-amyl acetate	12.123	43	11076	3.36	ug/l #	51
76) 1,2,3-Trichloropropane	12.483	75	84033	59.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	84033	110.48	ug/l #	10
90) Hexachloroethane	13.970	117	487	7.74	ug/l #	12
95) Naphthalene	15.239	128	63636	9.55	ug/l	98

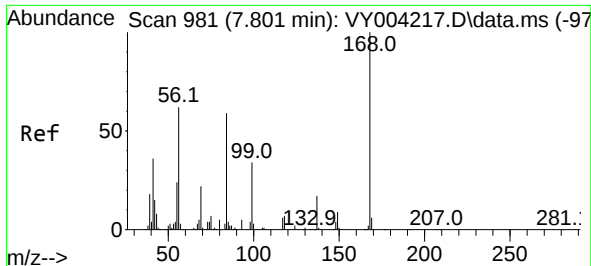
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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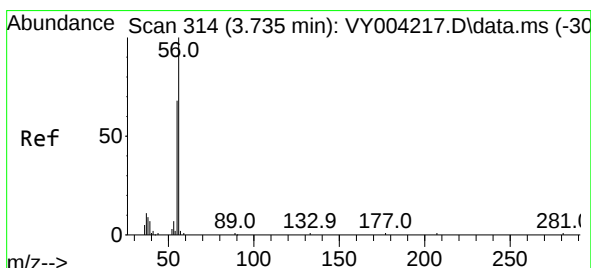
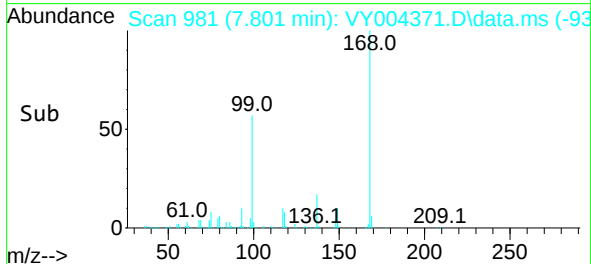
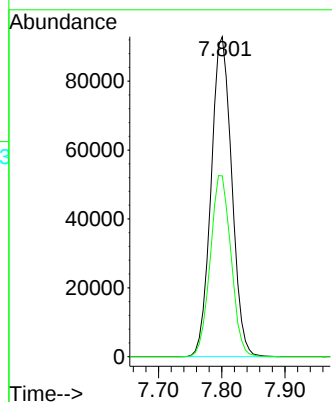
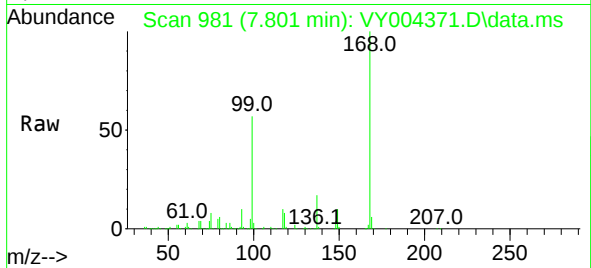




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

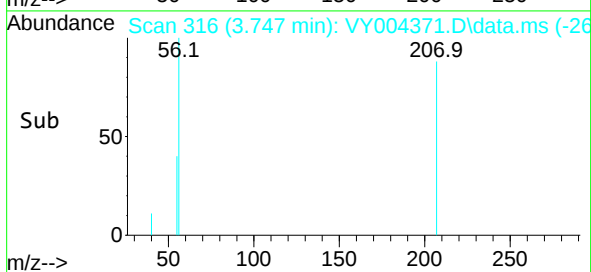
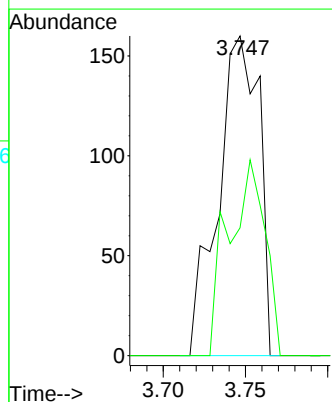
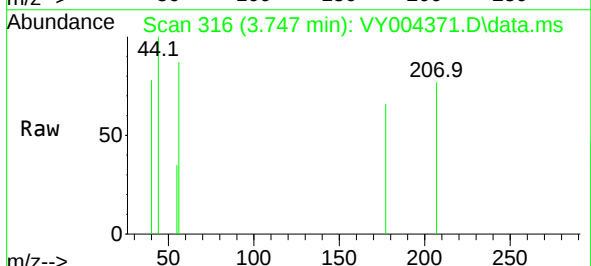
Instrument :
MSVOA_Y
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SB-3A

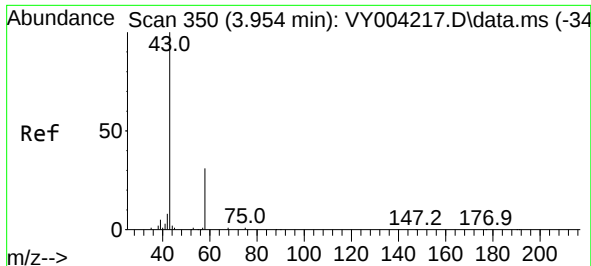
Tgt Ion:168 Resp: 210537
Ion Ratio Lower Upper
168 100
99 56.5 42.6 64.0



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

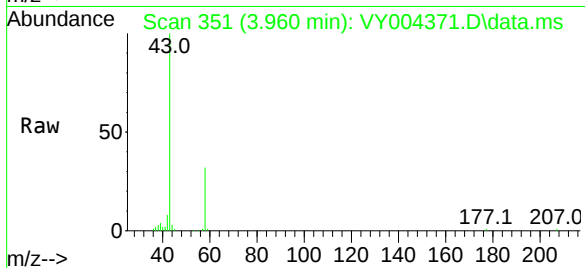
Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 54.7 55.0 82.4#



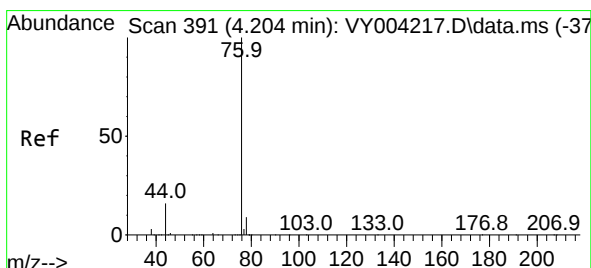
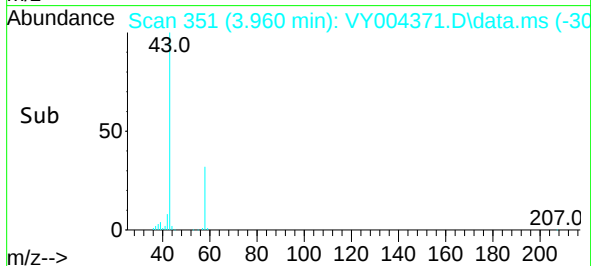
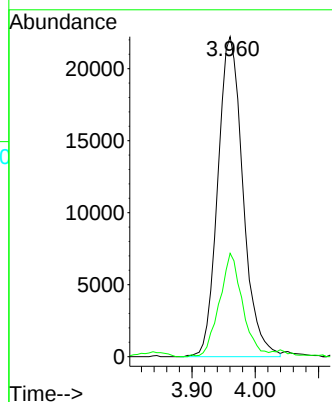


#16
Acetone
Concen: 145.33 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Instrument :
MSVOA_Y
ClientSampleId :
SB-3A

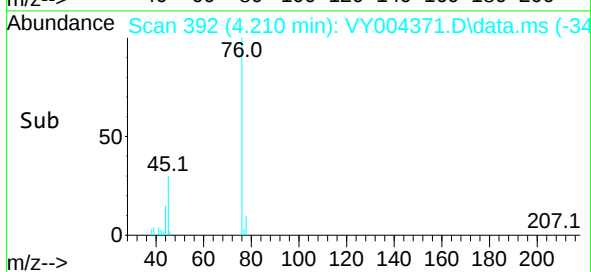
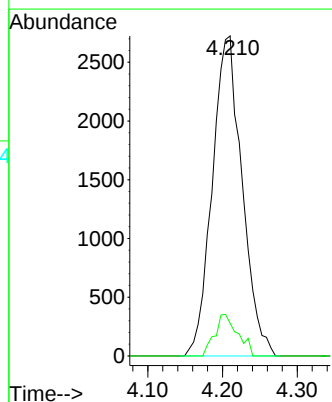
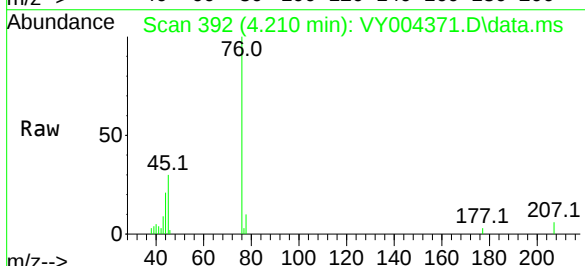


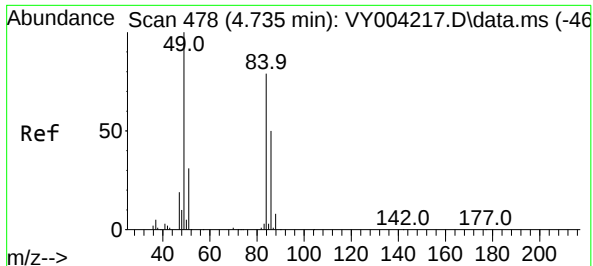
Tgt Ion: 43 Resp: 61280
Ion Ratio Lower Upper
43 100
58 32.3 24.5 36.7



#17
Carbon Disulfide
Concen: 1.51 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 76 Resp: 7553
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2

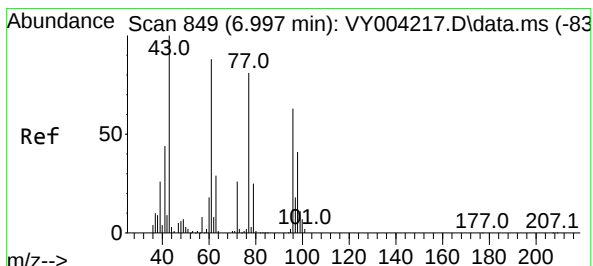
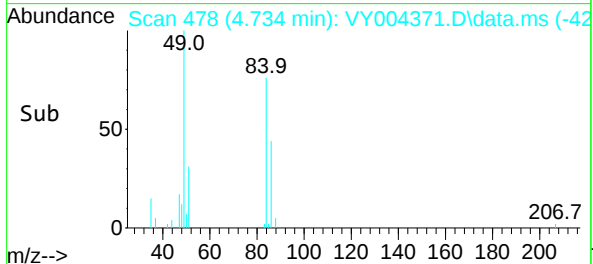
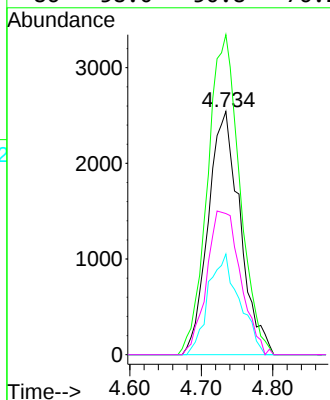
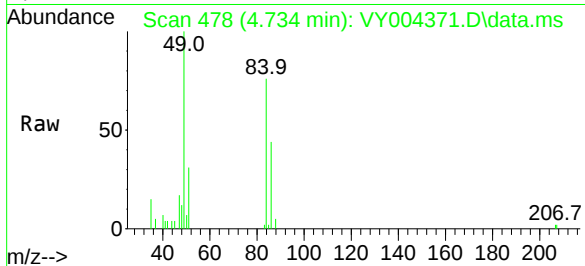




#20
Methylene Chloride
Concen: 1.36 ug/l
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

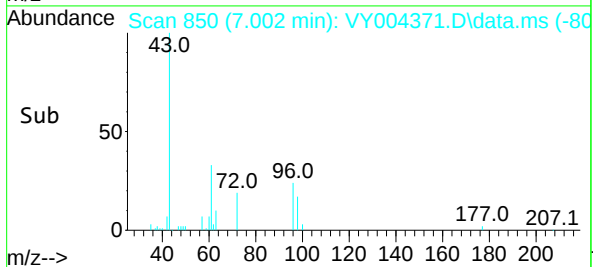
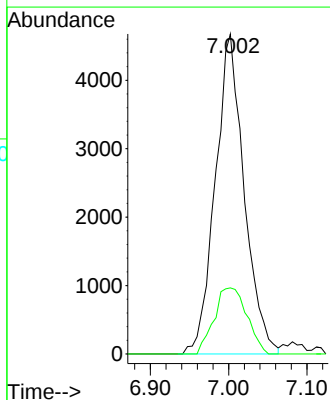
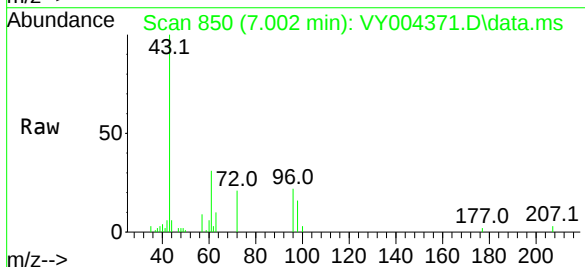
Instrument :
MSVOA_Y
ClientSampleId :
SB-3A

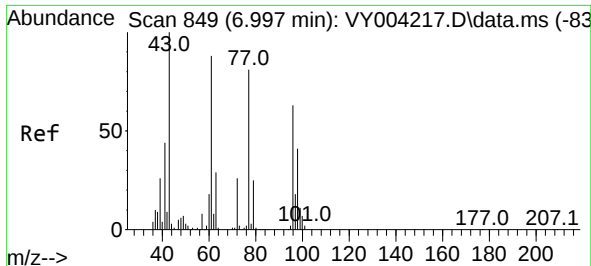
Tgt Ion:	84	Resp:	7867
Ion	Ratio	Lower	Upper
84	100		
49	131.5	101.5	152.3
51	41.4	31.5	47.3
86	58.0	50.8	76.2



#25
2-Butanone
Concen: 17.02 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion:	43	Resp:	11986
Ion	Ratio	Lower	Upper
43	100		
72	20.7	21.0	31.6#





#27

cis-1,2-Dichloroethene

Concen: 1.32 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY004371.D

Acq: 09 Apr 2021 20:25

Instrument :

MSVOA_Y

ClientSampleId :

SB-3A

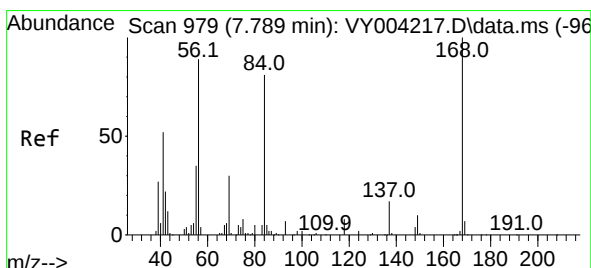
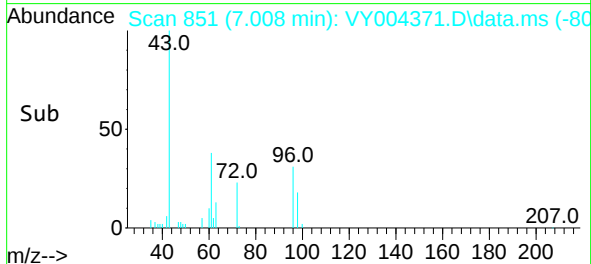
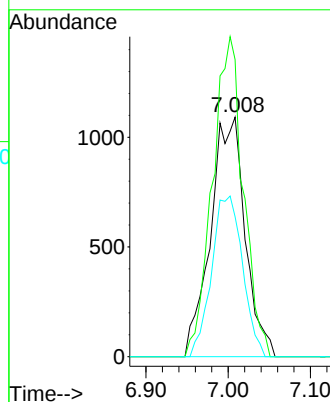
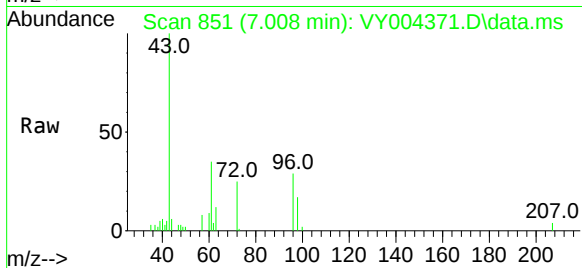
Tgt Ion: 96 Resp: 3188

Ion Ratio Lower Upper

96 100

61 119.1 0.0 283.2

98 60.0 0.0 128.2



#31

Cyclohexane

Concen: 1.52 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY004371.D

Acq: 09 Apr 2021 20:25

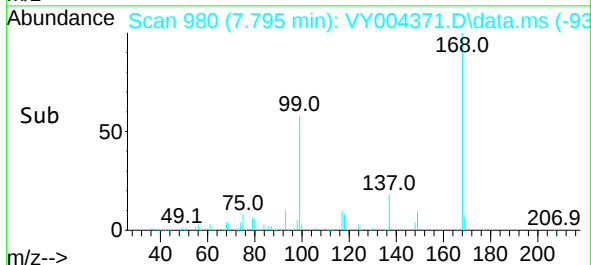
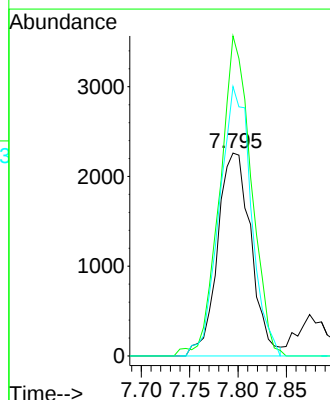
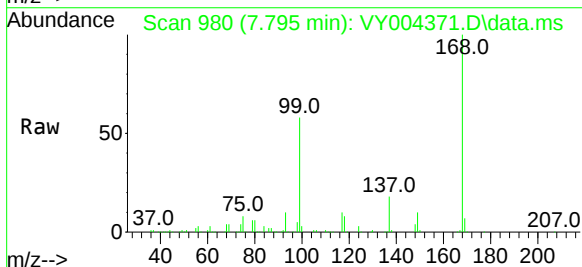
Tgt Ion: 56 Resp: 5426

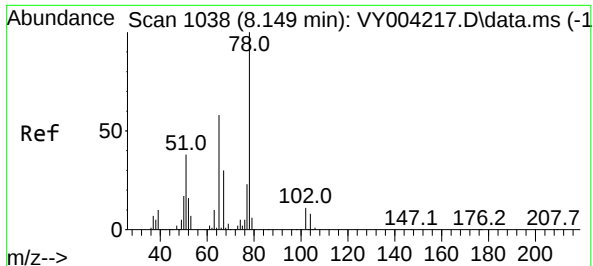
Ion Ratio Lower Upper

56 100

69 154.9 26.6 40.0#

84 132.8 72.3 108.5#

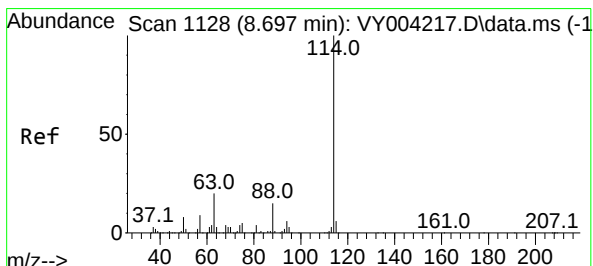
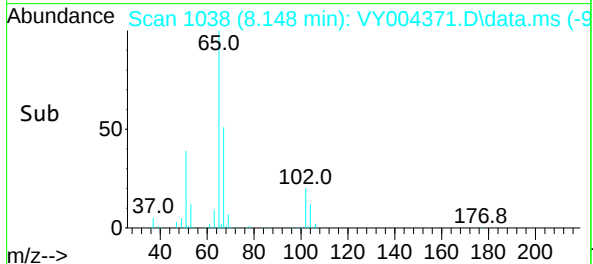
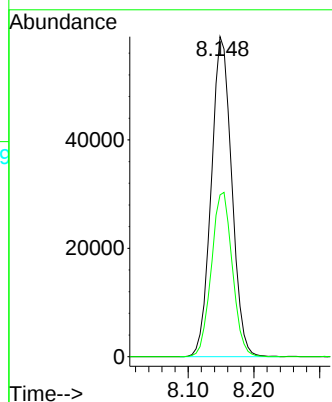
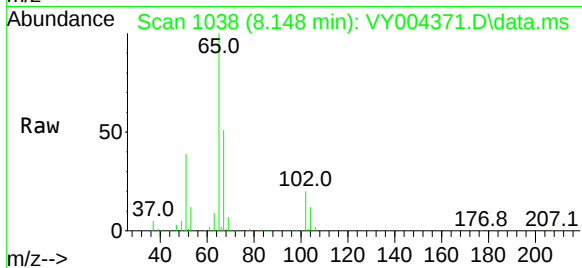




#33
1,2-Dichloroethane-d4
Concen: 63.20 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

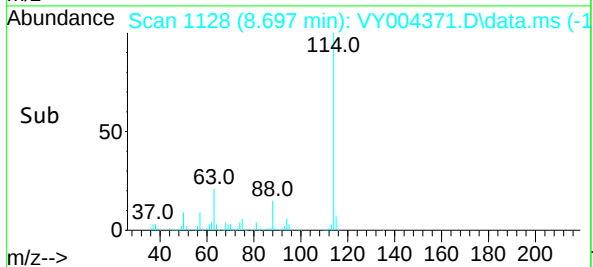
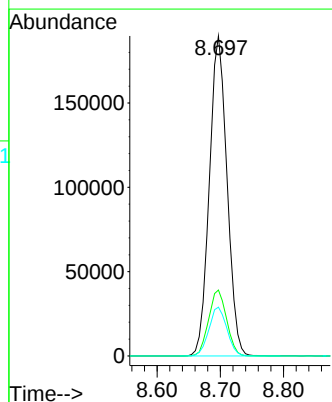
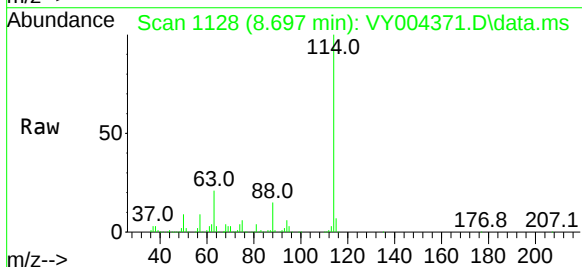
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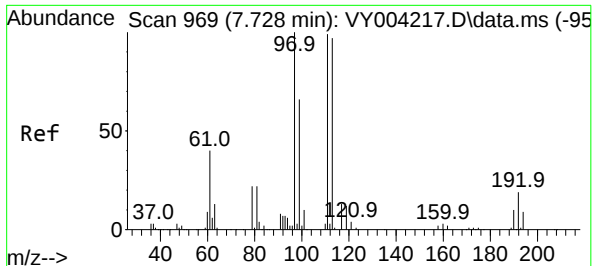
Tgt Ion: 65 Resp: 127910
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 114 Resp: 368489
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.4
88 15.3 0.0 30.8

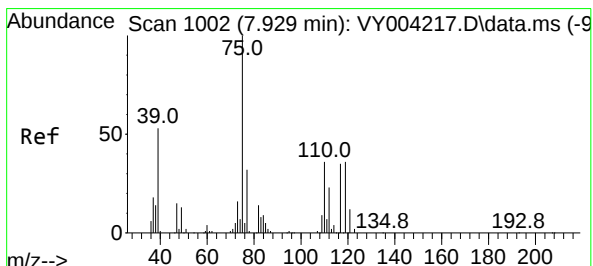
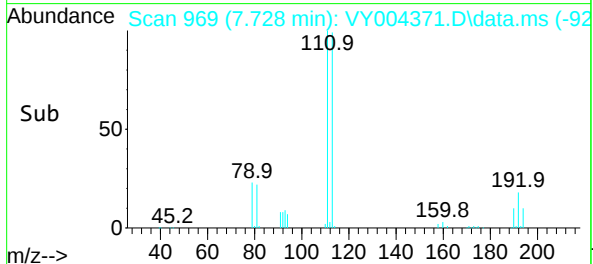
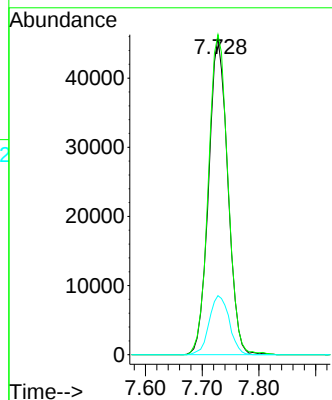
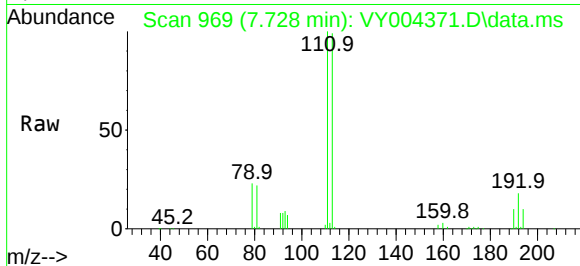




#35
Dibromofluoromethane
Concen: 52.21 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

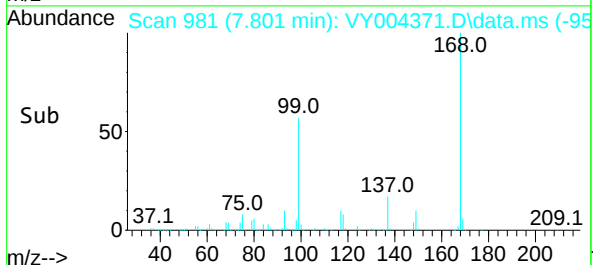
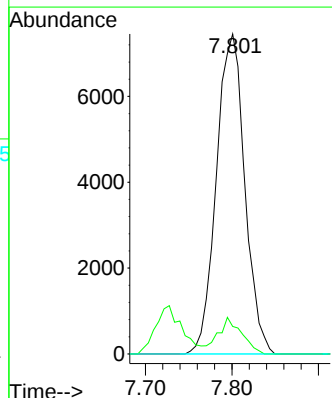
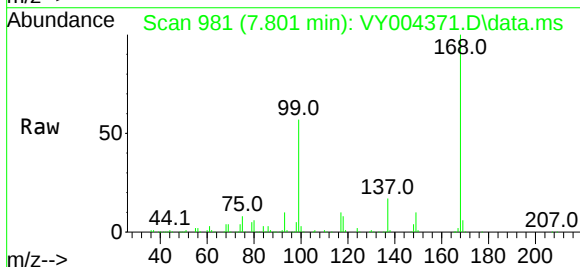
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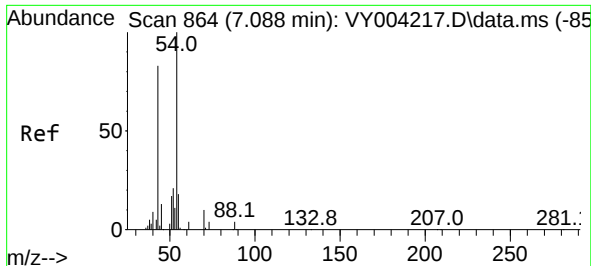
Tgt Ion:	113	Resp:	107191
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	19.5	16.4	24.6



#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion:	75	Resp:	16969
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.3#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 6.07 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.086 min

Lab File: VY004371.D

Acq: 09 Apr 2021 20:25

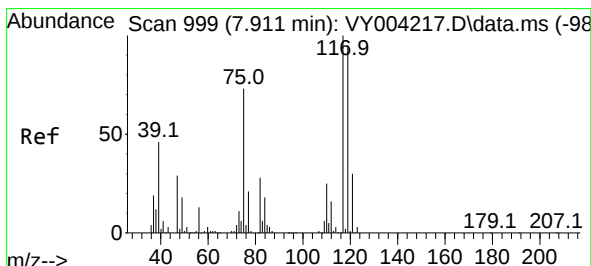
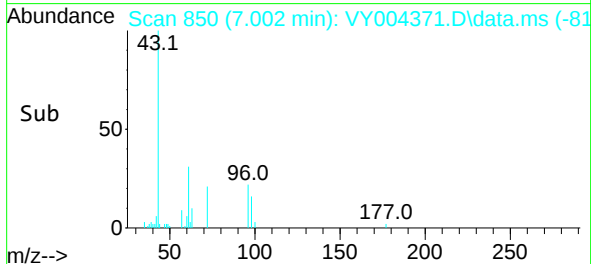
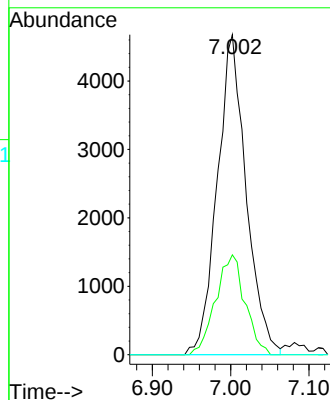
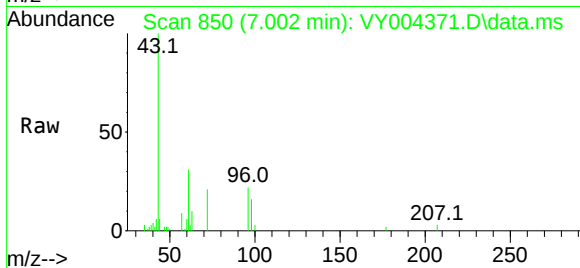
Instrument :

MSVOA_Y

ClientSampleId :

SB-3A

Tgt Ion: 43	Resp: 11986
Ion Ratio	Lower Upper
43 100	
61 31.7	10.2 15.2#
70 0.0	8.0 12.0#



#38

Carbon Tetrachloride

Concen: 7.18 ug/l

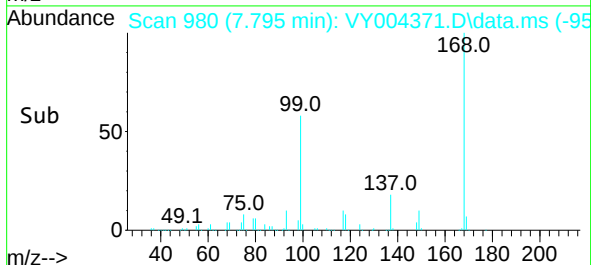
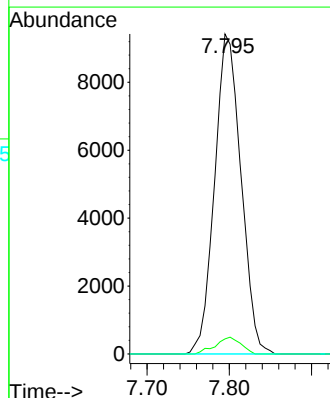
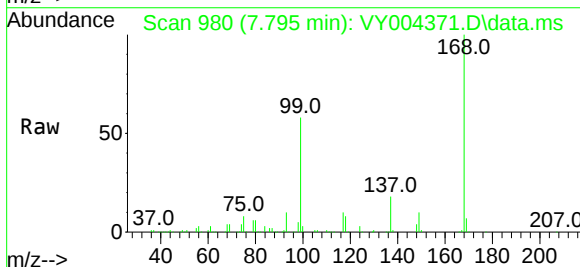
RT: 7.795 min Scan# 980

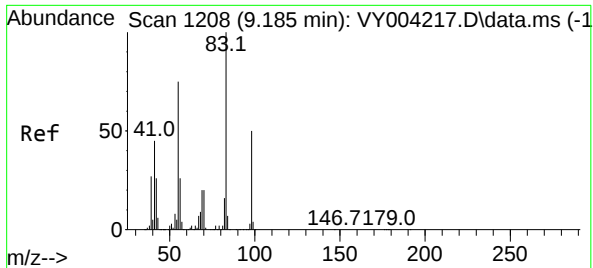
Delta R.T. -0.116 min

Lab File: VY004371.D

Acq: 09 Apr 2021 20:25

Tgt Ion: 117	Resp: 20994
Ion Ratio	Lower Upper
117 100	
119 4.7	75.6 113.4#
121 0.0	24.3 36.5#





#39

Methylcyclohexane

Concen: 1.39 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. -0.000 min

Lab File: VY004371.D

Acq: 09 Apr 2021 20:25

Instrument :

MSVOA_Y

ClientSampled :

SB-3A

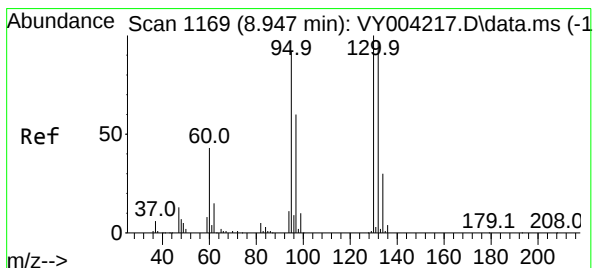
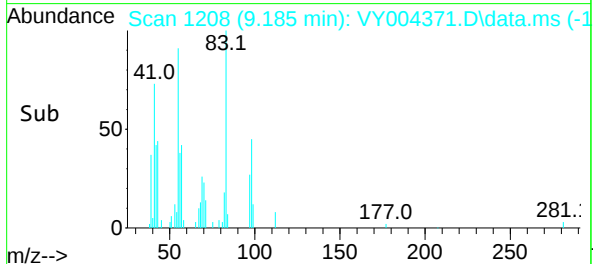
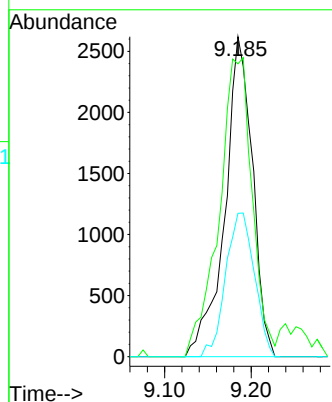
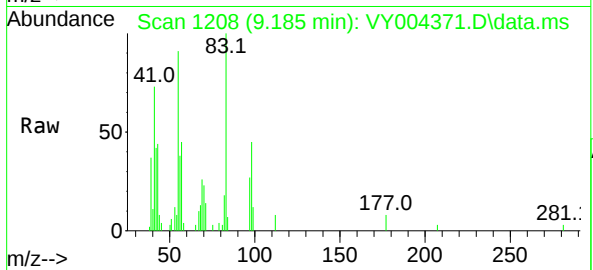
Tgt Ion: 83 Resp: 5804

Ion Ratio Lower Upper

83 100

55 91.5 60.0 90.0#

98 44.8 40.2 60.2



#44

Trichloroethene

Concen: 1.03 ug/l

RT: 8.947 min Scan# 1169

Delta R.T. -0.000 min

Lab File: VY004371.D

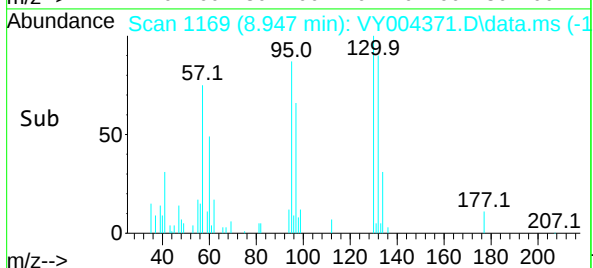
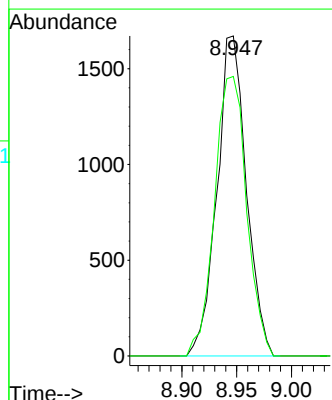
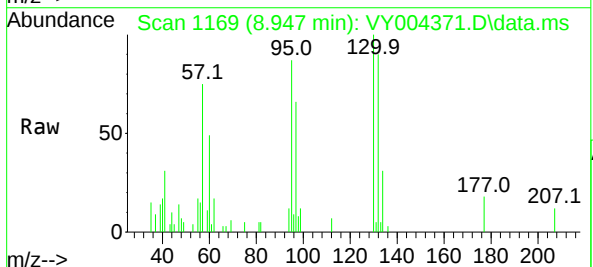
Acq: 09 Apr 2021 20:25

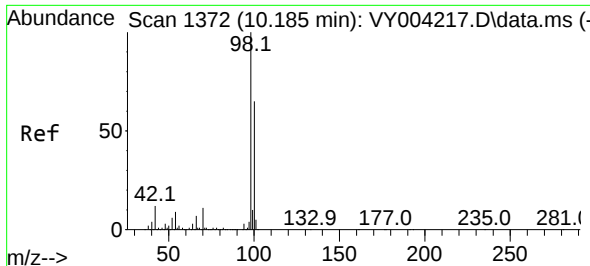
Tgt Ion:130 Resp: 3125

Ion Ratio Lower Upper

130 100

95 87.4 0.0 183.0

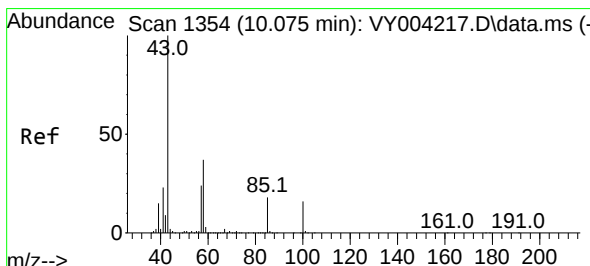
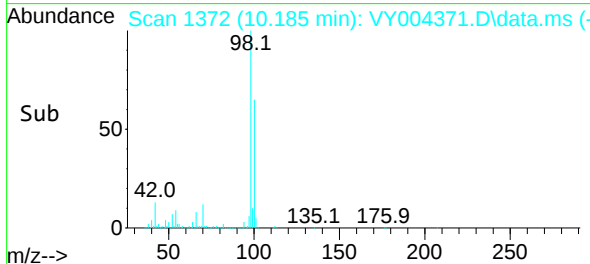
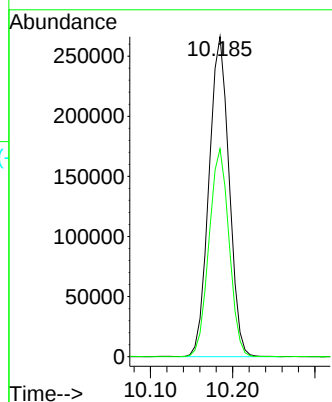
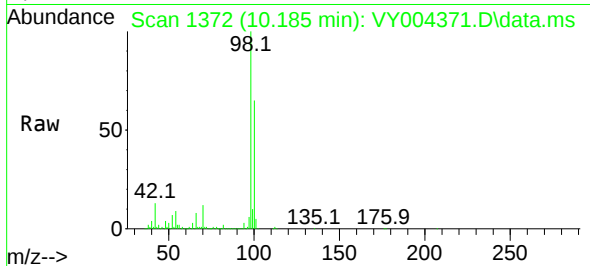




#50
Toluene-d8
Concen: 58.58 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

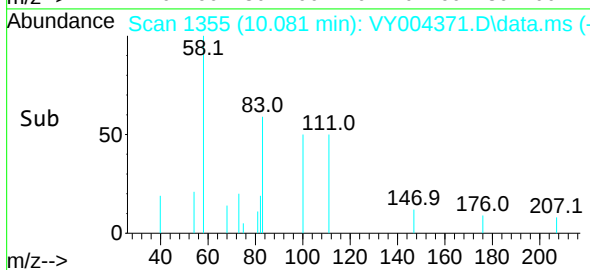
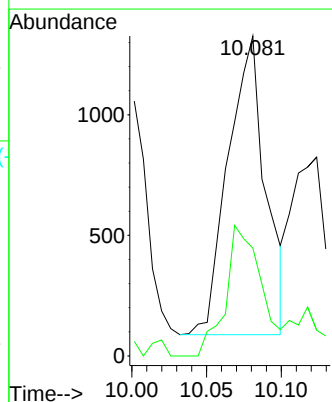
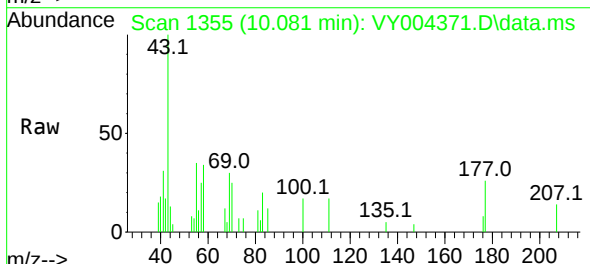
Instrument :
MSVOA_Y
ClientSampled :
SB-3A

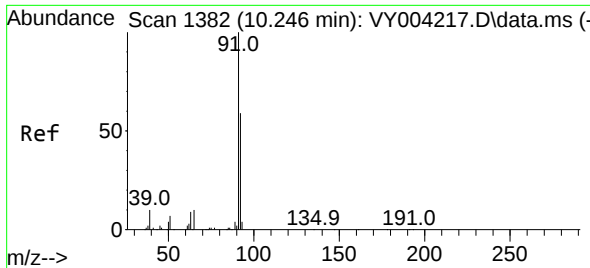
Tgt Ion: 98 Resp: 452390
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.13 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
58 41.3 30.6 45.8

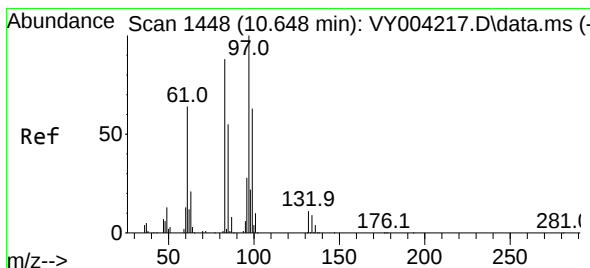
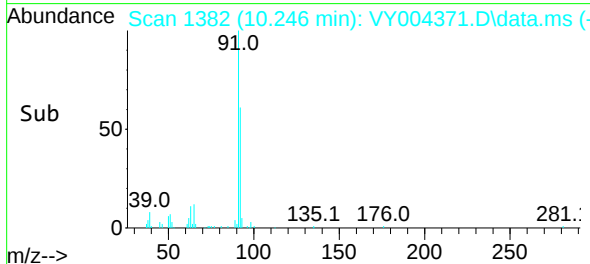
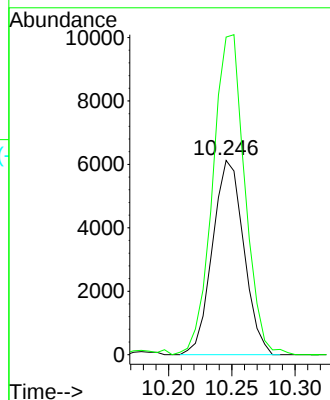
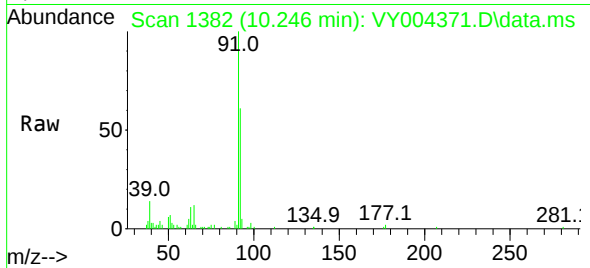




#52
Toluene
Concen: 1.72 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

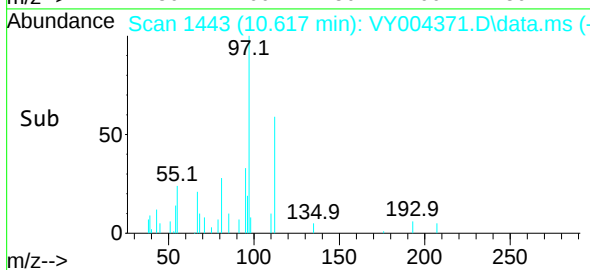
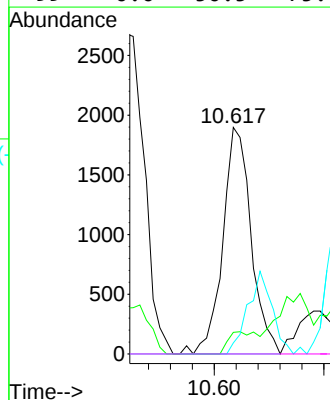
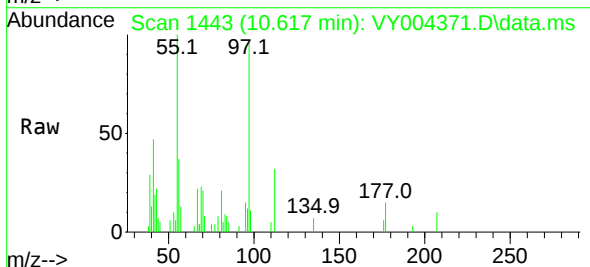
Instrument :
MSVOA_Y
ClientSampled :
SB-3A

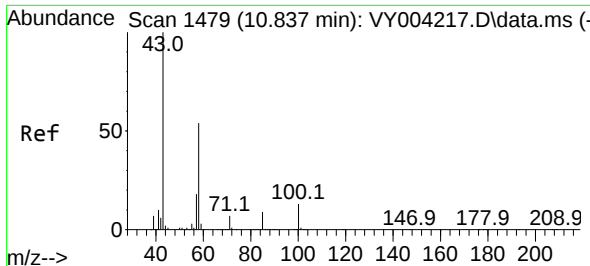
Tgt Ion: 92 Resp: 10538
Ion Ratio Lower Upper
92 100
91 168.8 136.0 204.0



#55
1,1,2-Trichloroethane
Concen: 1.79 ug/l
RT: 10.617 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 97 Resp: 3404
Ion Ratio Lower Upper
97 100
83 9.5 70.6 105.8#
85 4.9 44.2 66.4#
99 0.0 50.5 75.7#

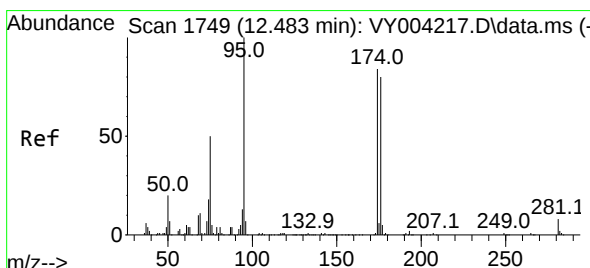
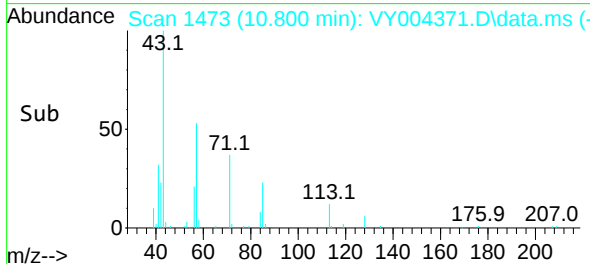
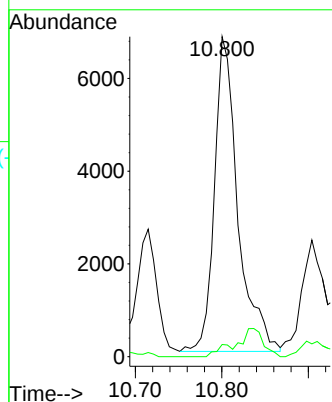
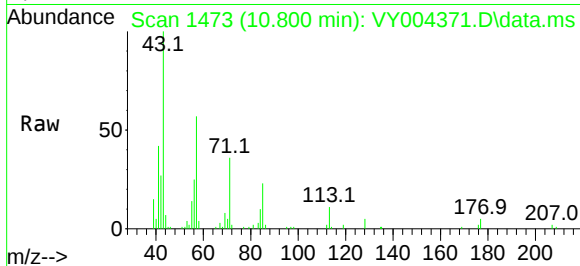




#59
2-Hexanone
Concen: 9.74 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

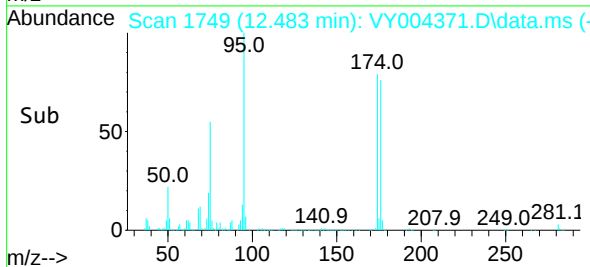
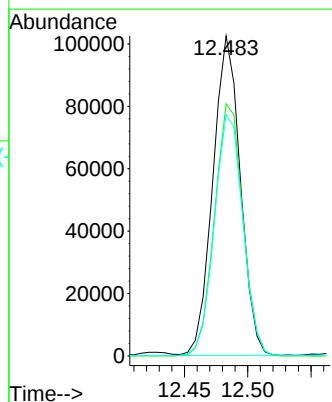
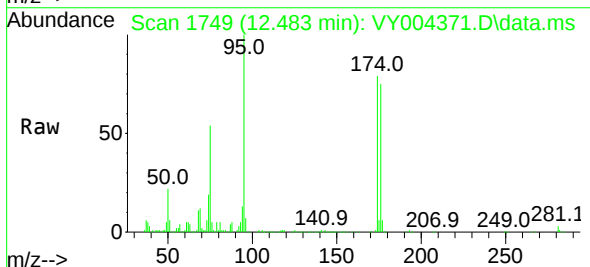
Instrument :
MSVOA_Y
ClientSampled :
SB-3A

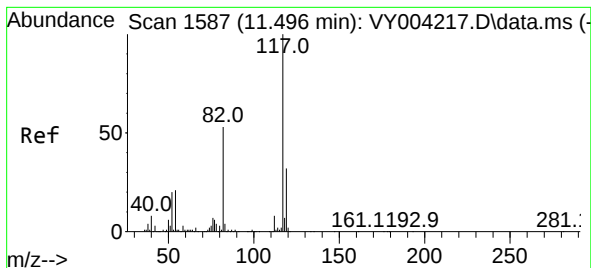
Tgt Ion: 43 Resp: 12742
Ion Ratio Lower Upper
43 100
58 2.5 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 58.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 95 Resp: 154359
Ion Ratio Lower Upper
95 100
174 81.7 0.0 171.4
176 78.2 0.0 165.6

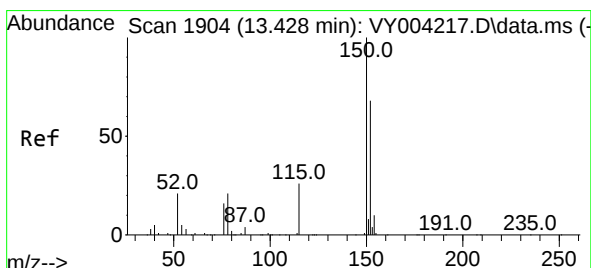
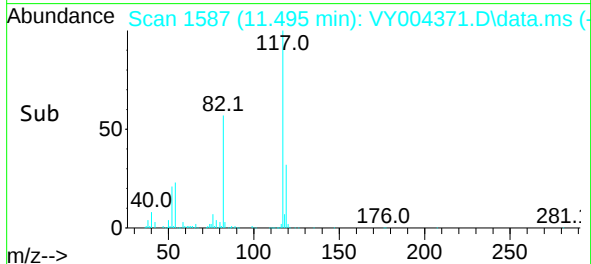
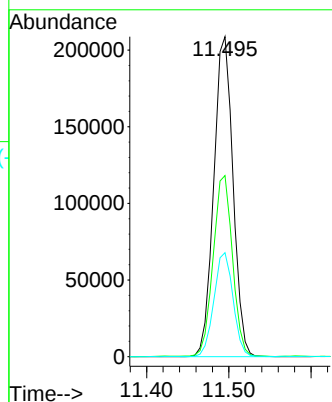
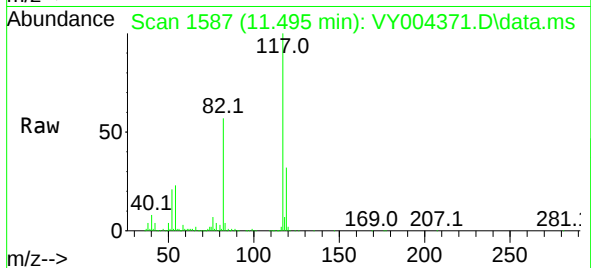




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

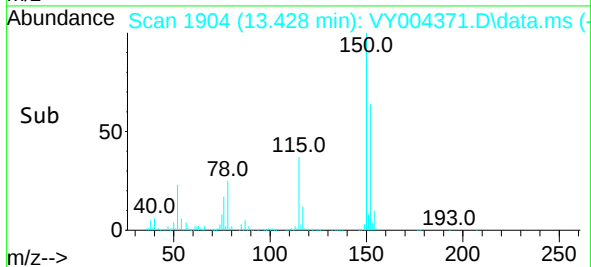
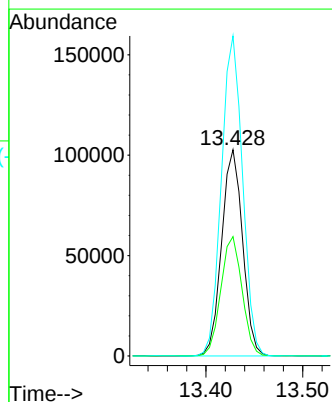
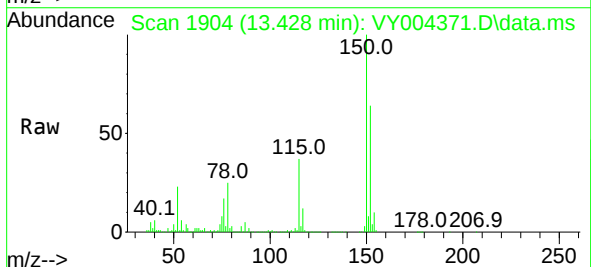
Instrument :
MSVOA_Y
ClientSampleId :
SB-3A

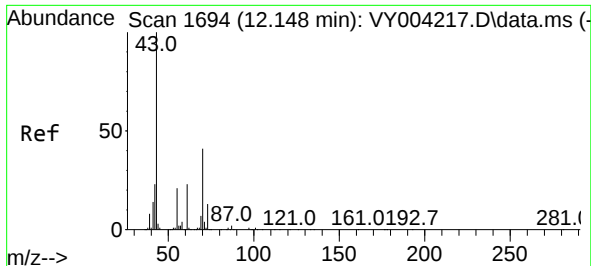
Tgt Ion:117 Resp: 338973
Ion Ratio Lower Upper
117 100
82 56.5 42.7 64.1
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion:152 Resp: 154373
Ion Ratio Lower Upper
152 100
115 58.4 29.0 87.1
150 156.7 0.0 347.4

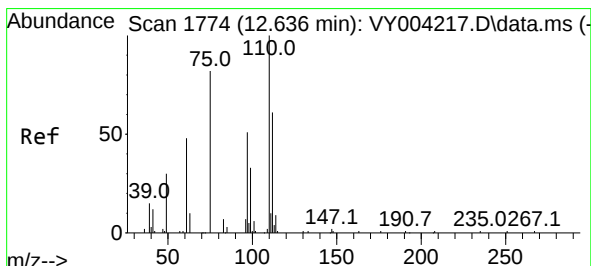
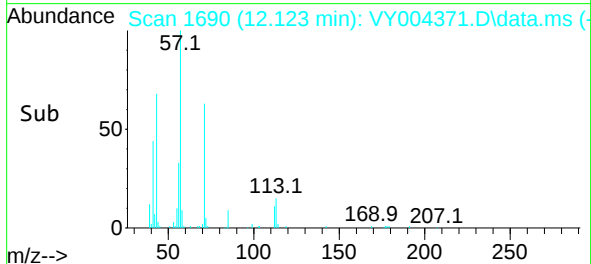
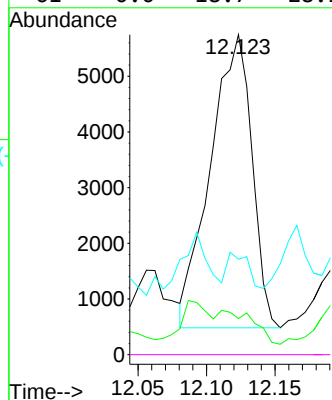
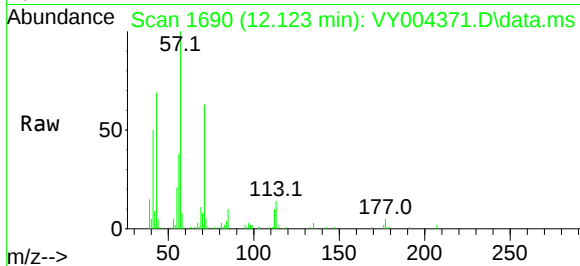




#74
N-amy1 acetate
Concen: 3.36 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

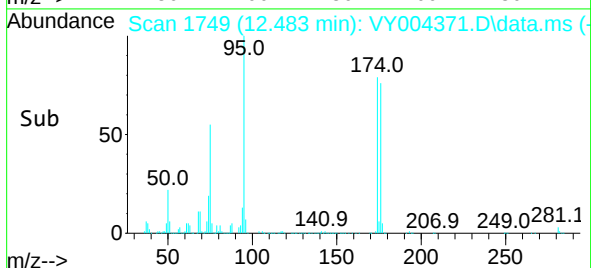
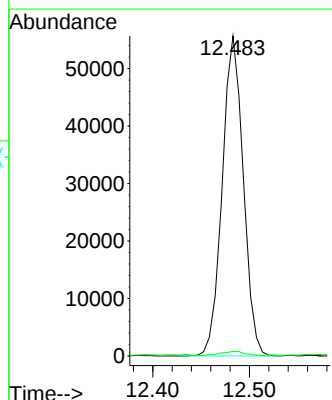
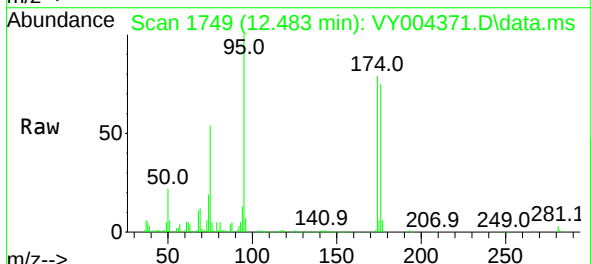
Instrument :
MSVOA_Y
ClientSampleId :
SB-3A

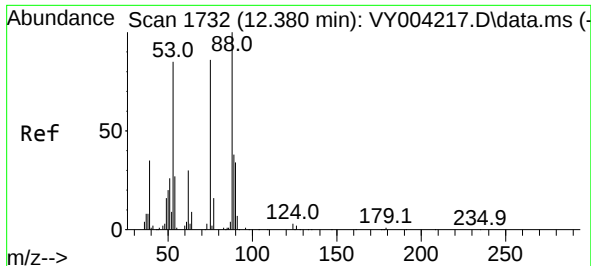
Tgt Ion: 43	Resp: 11076
Ion Ratio	Lower Upper
43 100	
70 0.0	32.6 49.0#
55 13.3	18.0 27.0#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 59.95 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 75	Resp: 84033
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#

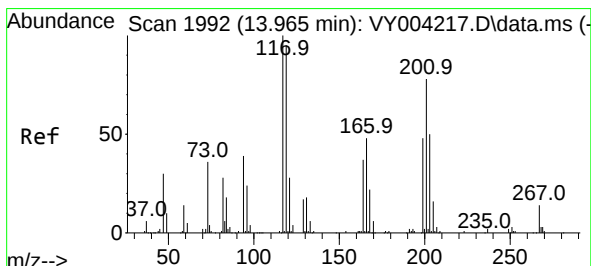
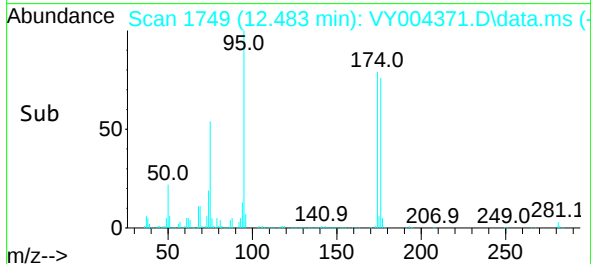
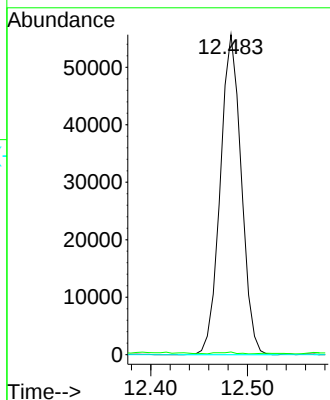
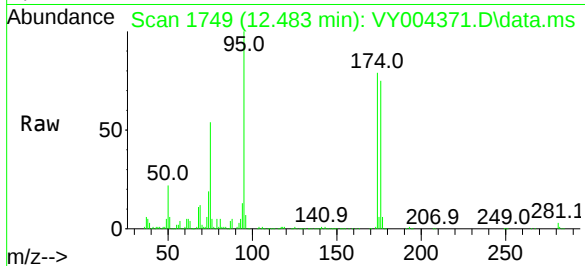




#81
trans-1,4-Dichloro-2-butene
Concen: 110.48 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

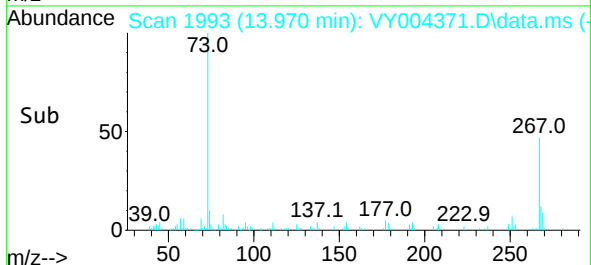
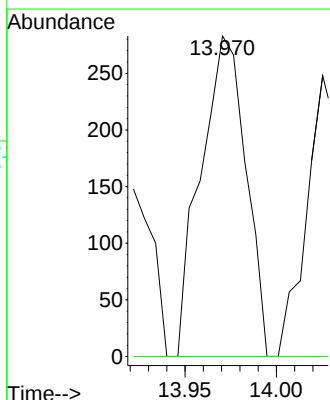
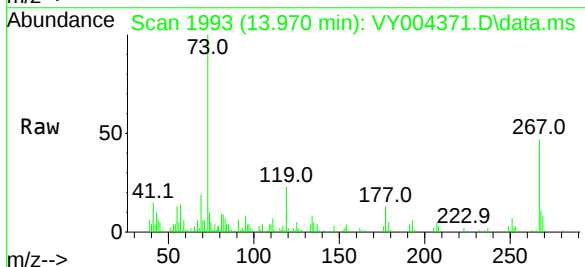
Instrument :
MSVOA_Y
ClientSampleId :
SB-3A

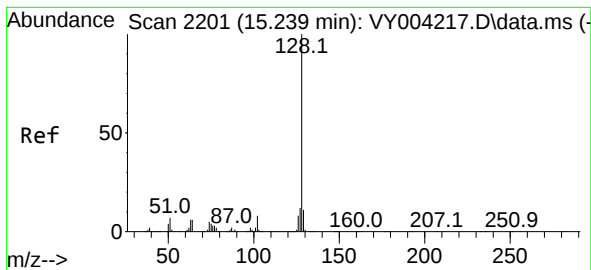
Tgt Ion: 75 Resp: 84033
Ion Ratio Lower Upper
75 100
53 0.5 79.3 118.9#
89 0.0 39.4 59.2#



#90
Hexachloroethane
Concen: 7.74 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Tgt Ion: 117 Resp: 487
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 9.55 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004371.D
Acq: 09 Apr 2021 20:25

Instrument :
MSVOA_Y
ClientSampleId :
SB-3A

Tgt Ion:128 Resp: 63636
Ion Ratio Lower Upper
128 100
127 13.5 10.1 15.1
129 11.6 8.9 13.3

