

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004365.D
 Acq On : 09 Apr 2021 18:05
 Operator : SY/MD
 Sample : M1967-08
 Misc : 4.74G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-C

Quant Time: Apr 10 02:05:34 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	222609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	380288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	354901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161726	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	137687	64.34	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.68%
35) Dibromofluoromethane	7.728	113	115340	54.43	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.86%
50) Toluene-d8	10.185	98	469151	58.87	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	117.74%
62) 4-Bromofluorobenzene	12.483	95	161666	59.19	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.38%

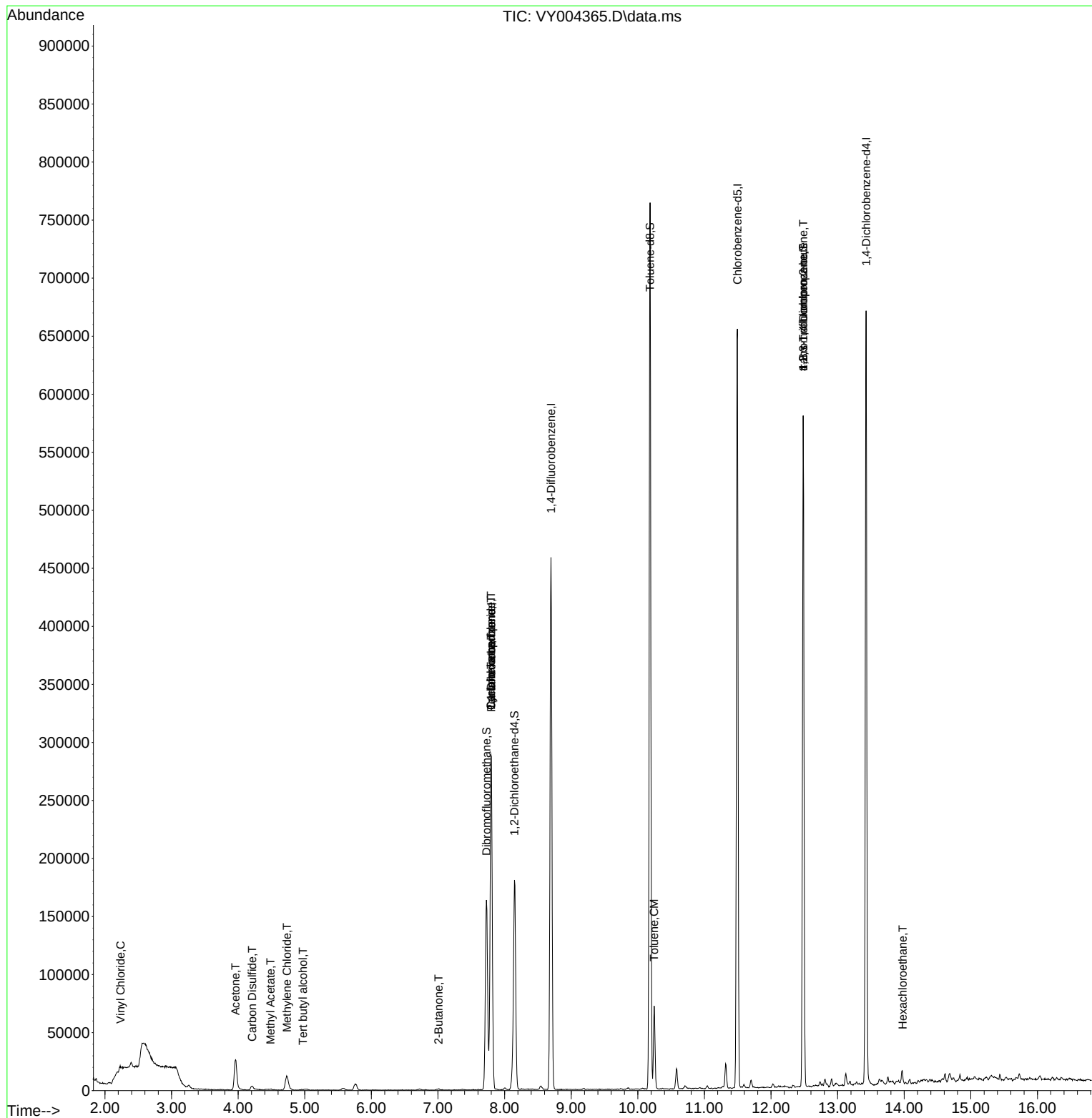
Target Compounds						Qvalue
4) Vinyl Chloride	2.235	62	11437	3.94	ug/l #	42
11) Tert butyl alcohol	4.972	59	763	4.38	ug/l #	71
13) Acrolein	3.741	56	246	Below	Cal	95
16) Acetone	3.960	43	46705	104.76	ug/l	95
17) Carbon Disulfide	4.210	76	6508	1.23	ug/l	96
18) Methyl Acetate	4.485	43	1581	1.11	ug/l #	80
20) Methylene Chloride	4.735	84	8657	1.52	ug/l	95
25) 2-Butanone	7.009	43	1894	2.54	ug/l #	79
31) Cyclohexane	7.795	56	5448	1.44	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	17662	5.09	ug/l #	49
38) Carbon Tetrachloride	7.795	117	22163	7.34	ug/l #	18
49) 1,4-Dioxane	9.307	88	19	Below	Cal #	29
52) Toluene	10.246	92	27583	4.36	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	89015	60.61	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	89015	111.71	ug/l #	10
90) Hexachloroethane	13.977	117	225	7.49	ug/l #	12

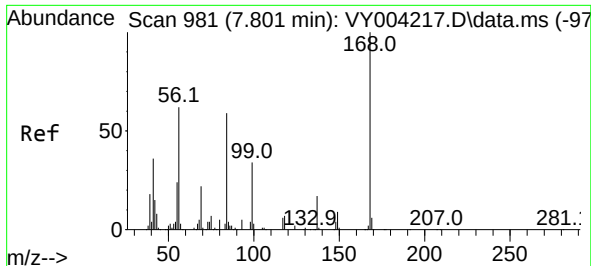
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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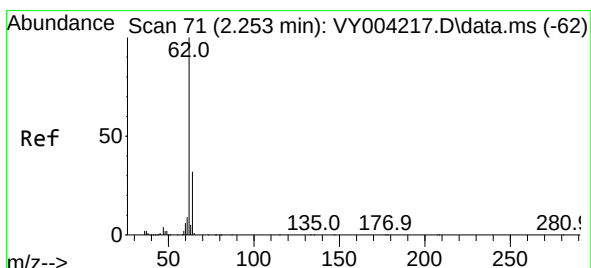
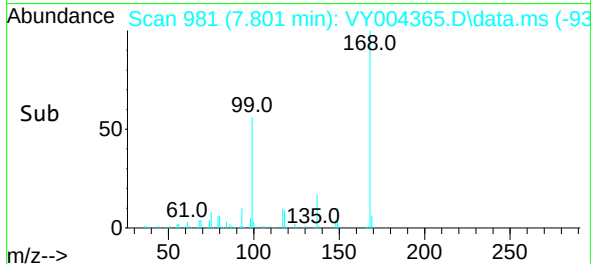
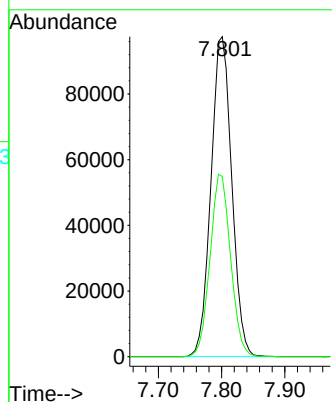
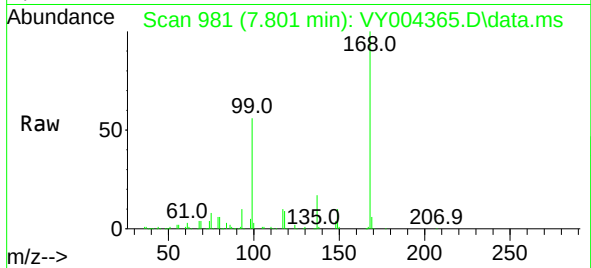




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

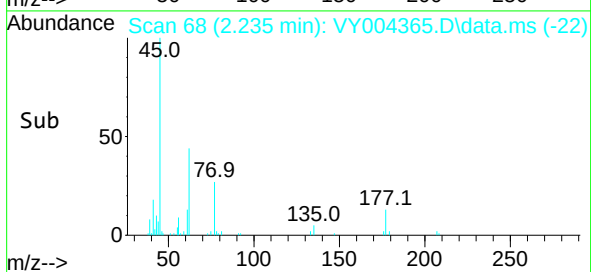
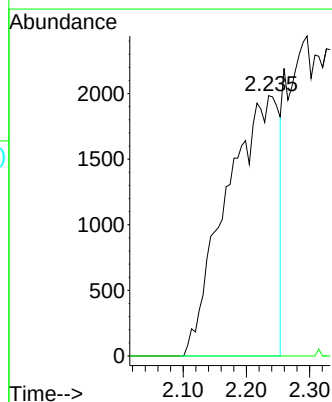
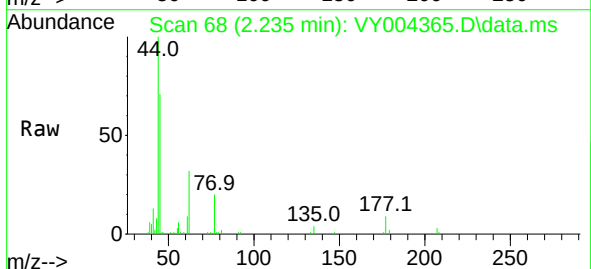
Instrument :
MSVOA_Y
ClientSampleId :
SB2-C

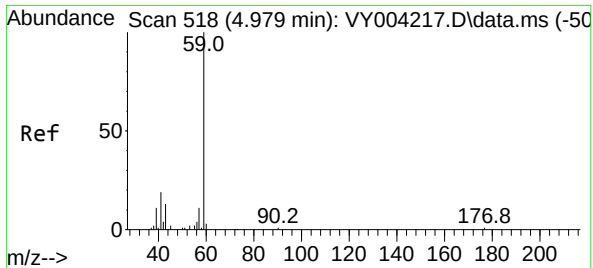
Tgt Ion:168 Resp: 222609
Ion Ratio Lower Upper
168 100
99 56.3 42.6 64.0



#4
Vinyl Chloride
Concen: 3.94 ug/l
RT: 2.235 min Scan# 68
Delta R.T. -0.018 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 62 Resp: 11437
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

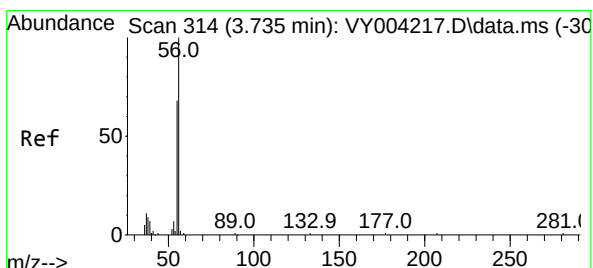
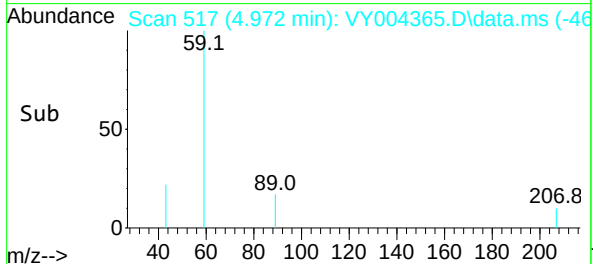
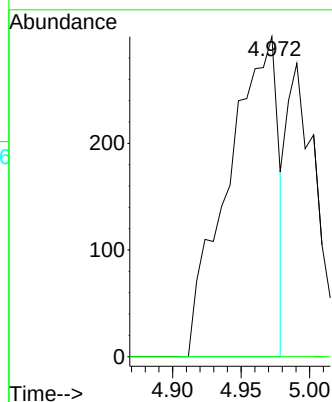
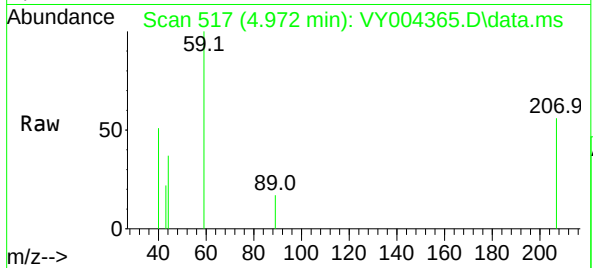




#11
Tert butyl alcohol
Concen: 4.38 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

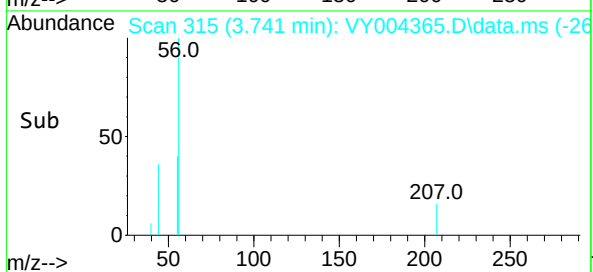
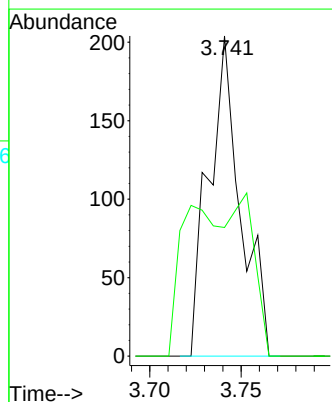
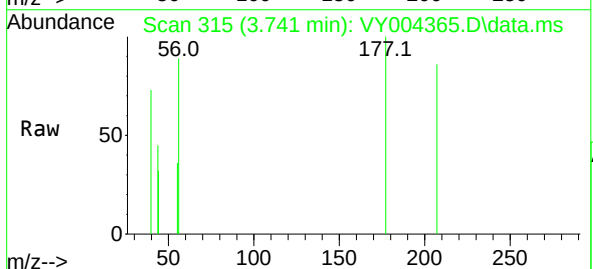
Instrument :
MSVOA_Y
ClientSampled :
SB2-C

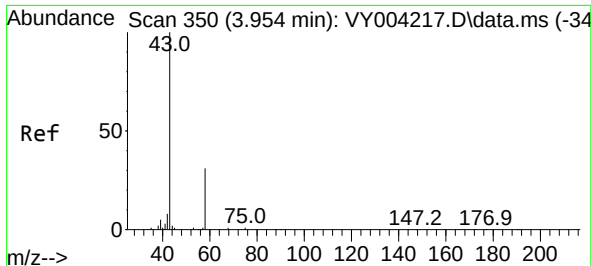
Tgt Ion: 59 Resp: 763
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

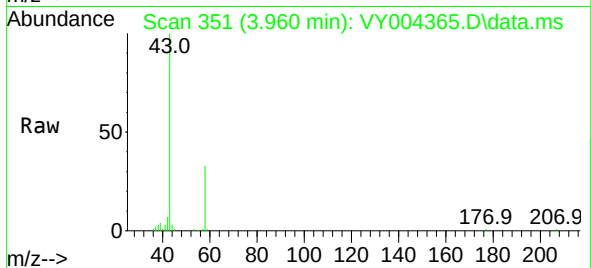
Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 64.6 55.0 82.4



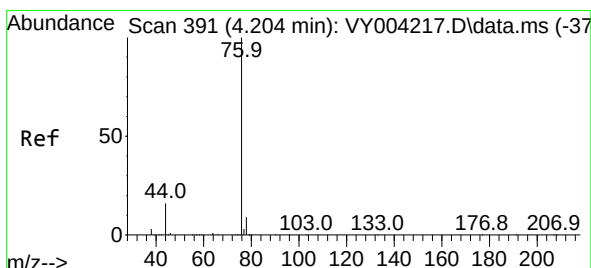
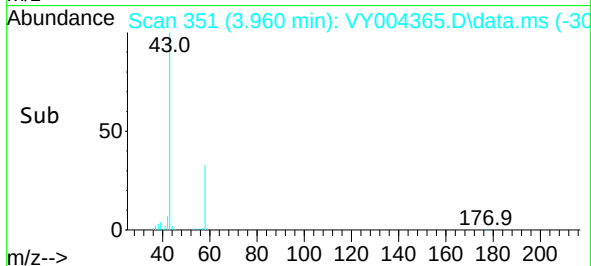
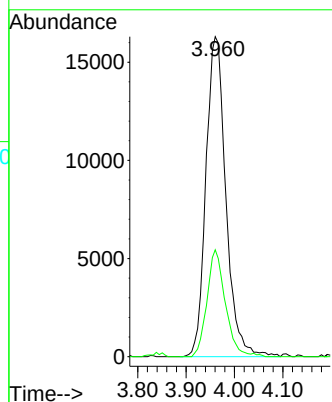


#16
Acetone
Concen: 104.76 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Instrument :
MSVOA_Y
ClientSampleId :
SB2-C

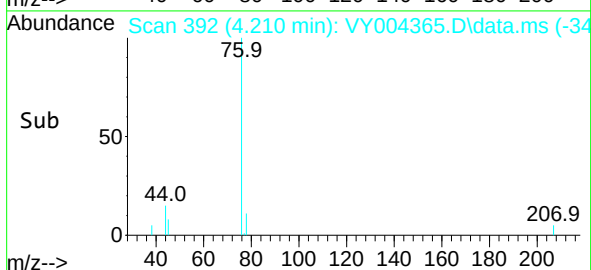
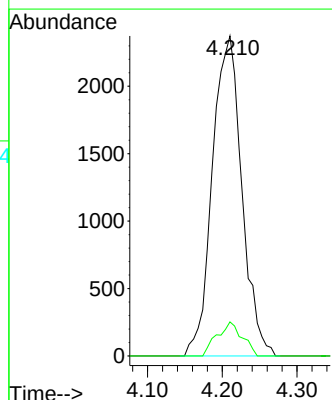
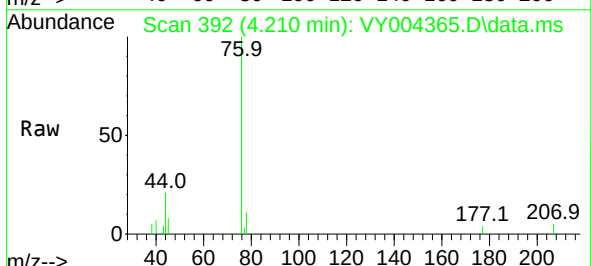


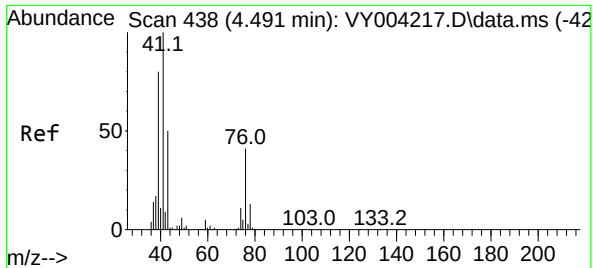
Tgt Ion: 43 Resp: 46705
Ion Ratio Lower Upper
43 100
58 33.4 24.5 36.7



#17
Carbon Disulfide
Concen: 1.23 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 76 Resp: 6508
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.2

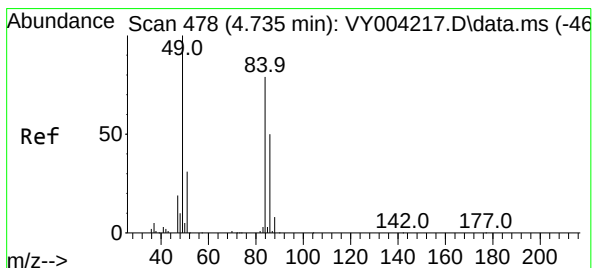
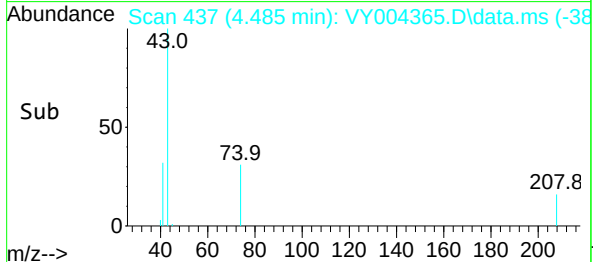
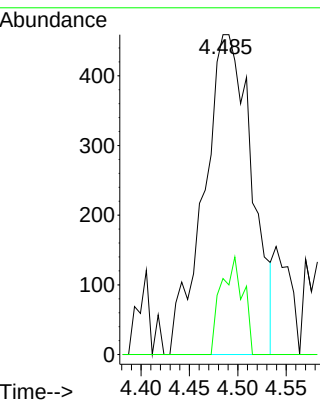
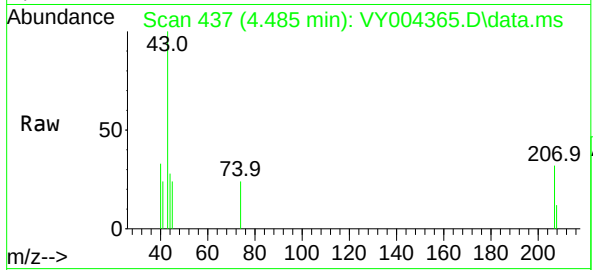




#18
Methyl Acetate
Concen: 1.11 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

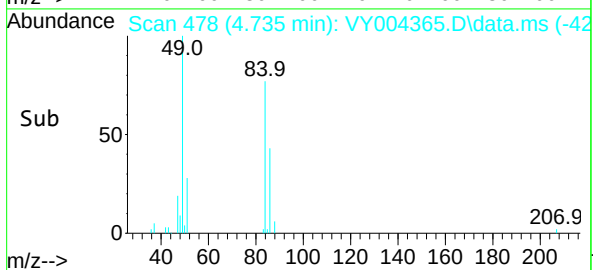
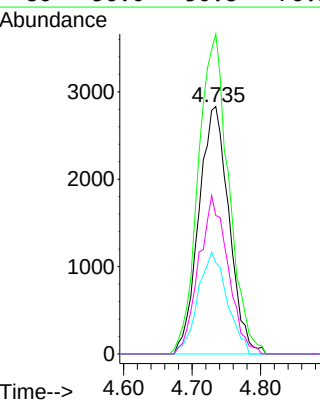
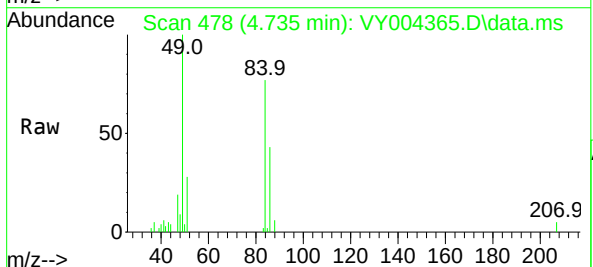
Instrument :
MSVOA_Y
ClientSampleId :
SB2-C

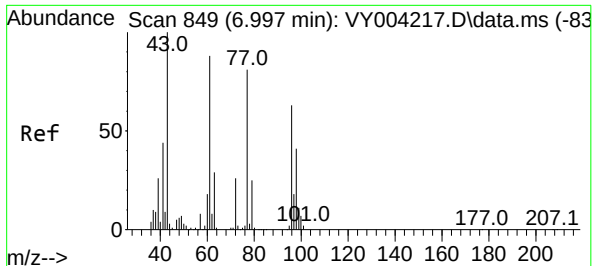
Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
74 14.2 19.1 28.7#



#20
Methylene Chloride
Concen: 1.52 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 84 Resp: 8657
Ion Ratio Lower Upper
84 100
49 129.4 101.5 152.3
51 36.9 31.5 47.3
86 56.0 50.8 76.2





#25

2-Butanone

Concen: 2.54 ug/l

RT: 7.009 min Scan# 851

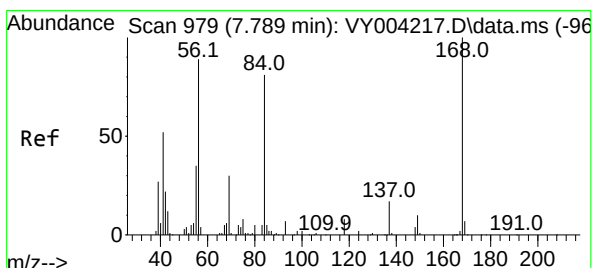
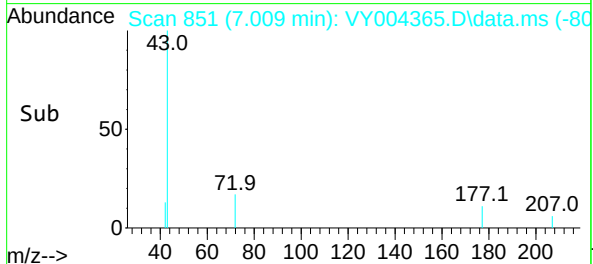
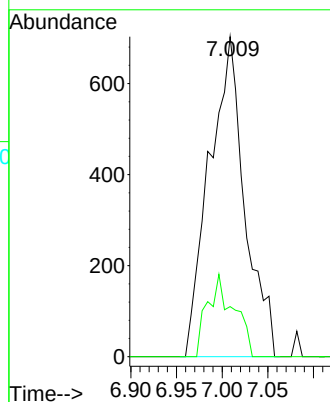
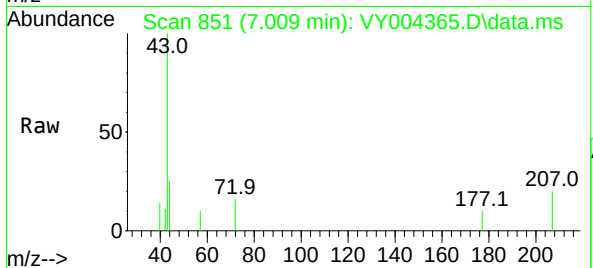
Delta R.T. 0.012 min

Lab File: VY004365.D

Acq: 09 Apr 2021 18:05

Instrument :
MSVOA_Y
ClientSampled :
SB2-C

Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
72 15.6 21.0 31.6#



#31

Cyclohexane

Concen: 1.44 ug/l

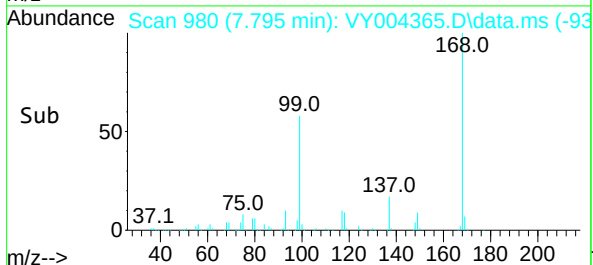
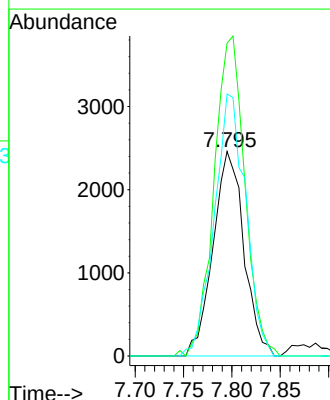
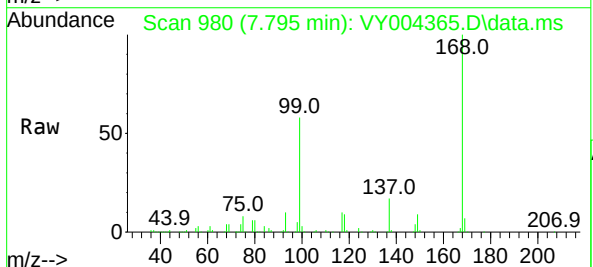
RT: 7.795 min Scan# 980

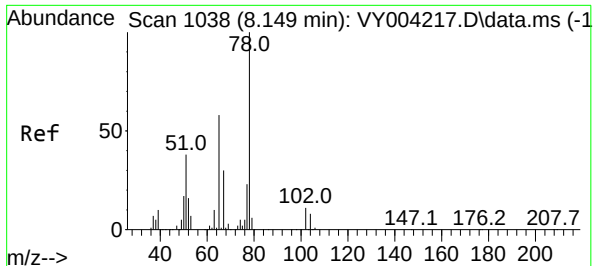
Delta R.T. 0.006 min

Lab File: VY004365.D

Acq: 09 Apr 2021 18:05

Tgt Ion: 56 Resp: 5448
Ion Ratio Lower Upper
56 100
69 153.0 26.6 40.0#
84 128.1 72.3 108.5#

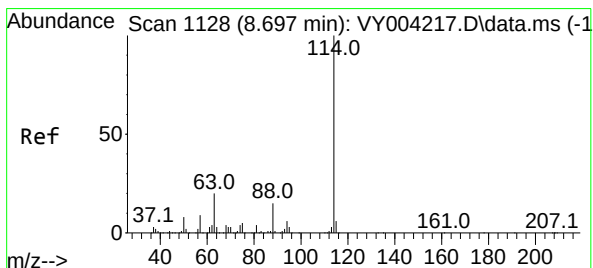
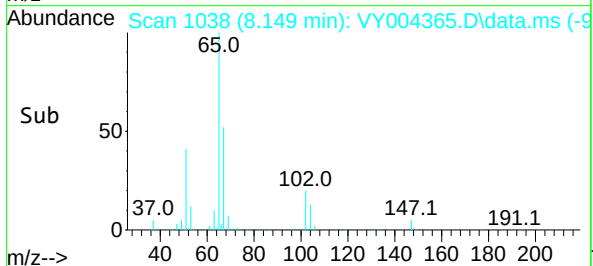
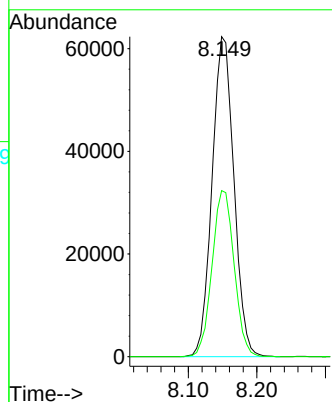
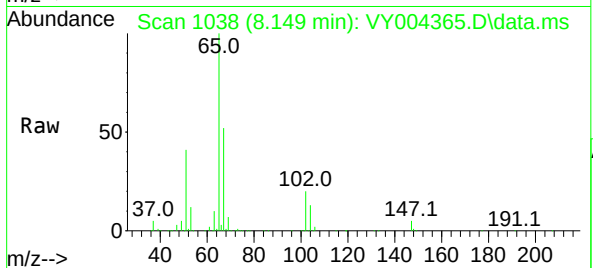




#33
1,2-Dichloroethane-d4
Concen: 64.34 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

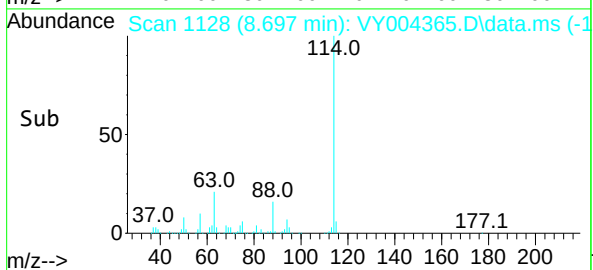
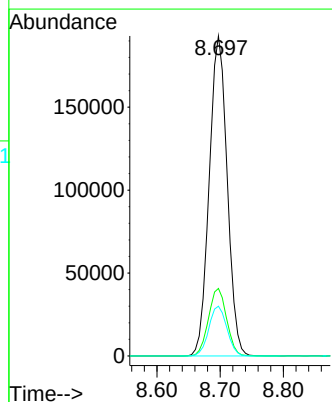
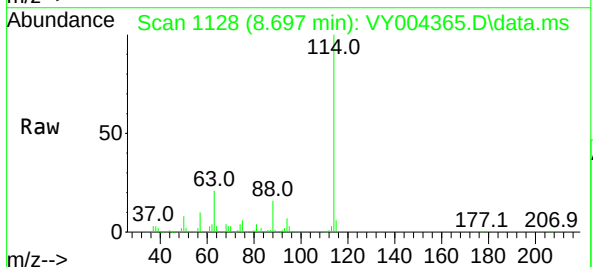
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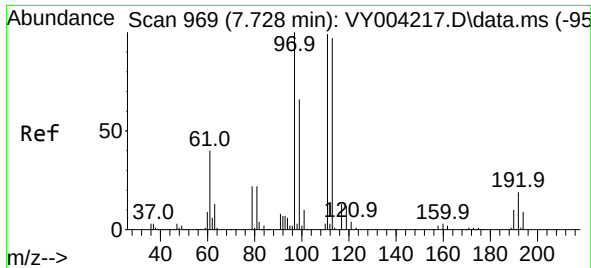
Tgt Ion: 65 Resp: 137687
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 114 Resp: 380288
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.4
88 15.5 0.0 30.8

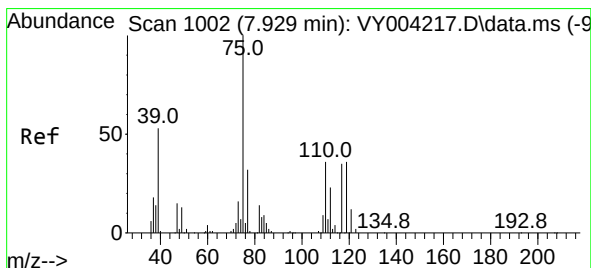
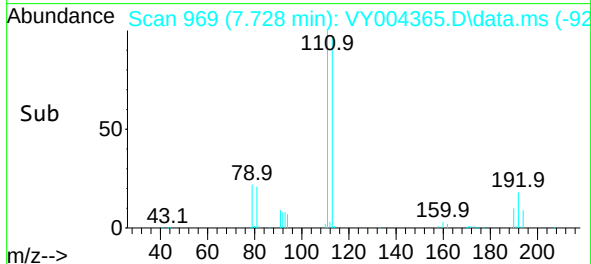
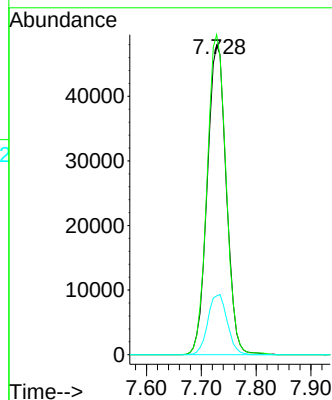
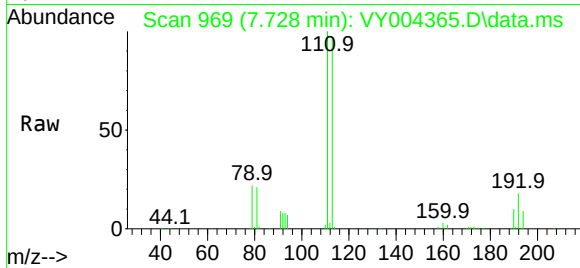




#35
Dibromofluoromethane
Concen: 54.43 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

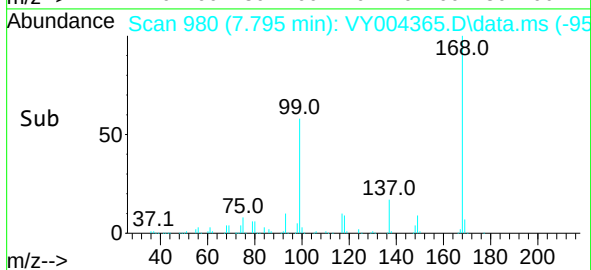
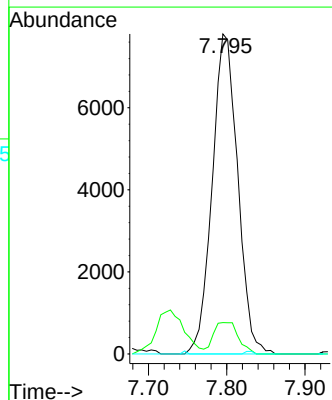
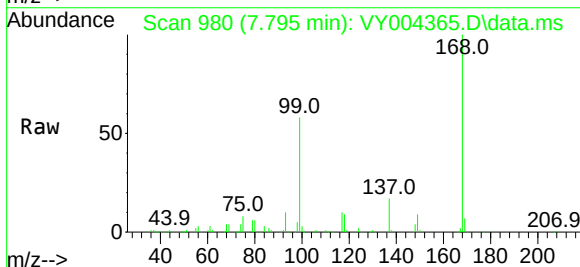
Instrument :
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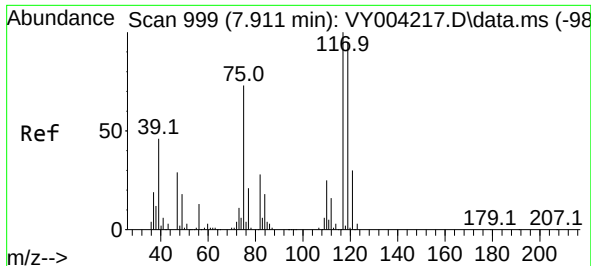
Tgt Ion:113 Resp: 115340
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.7 16.4 24.6



#36
1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 75 Resp: 17662
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.3#
77 0.0 25.1 37.7#

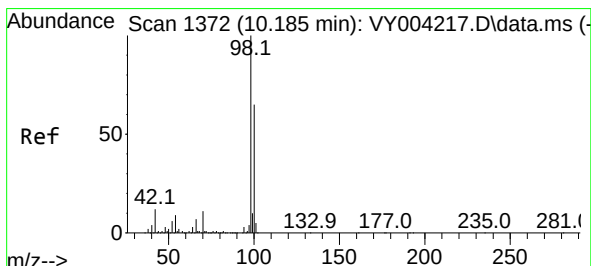
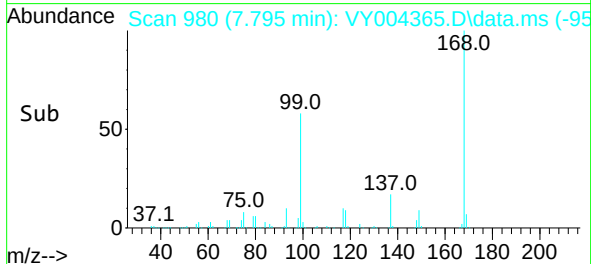
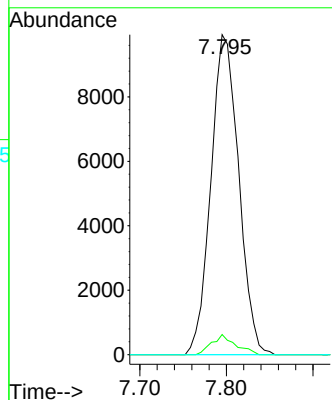
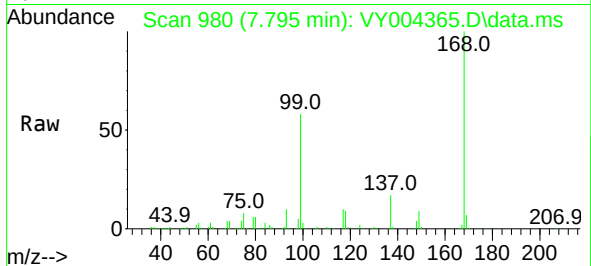




#38
Carbon Tetrachloride
Concen: 7.34 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

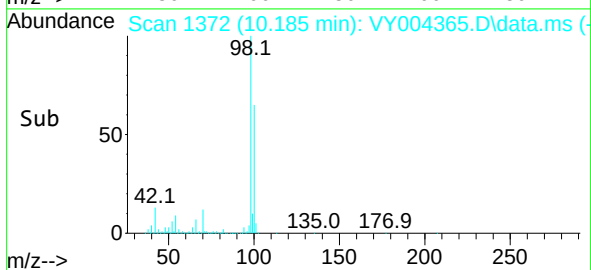
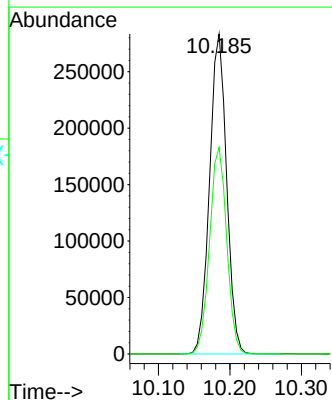
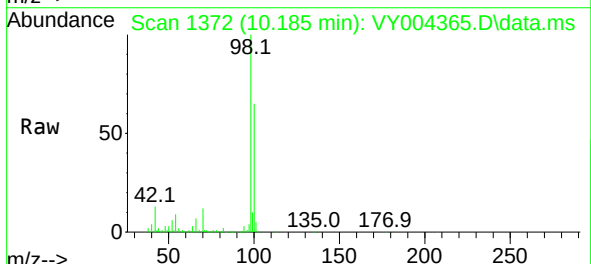
Instrument :
MSVOA_Y
ClientSampleId :
SB2-C

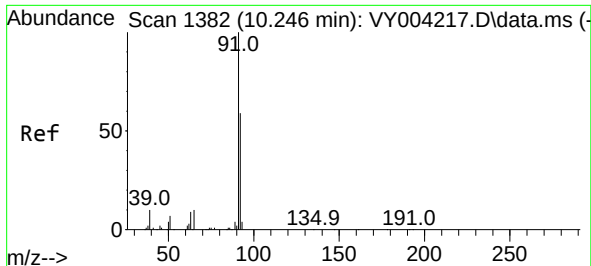
Tgt Ion:117 Resp: 22163
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.87 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 98 Resp: 469151
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

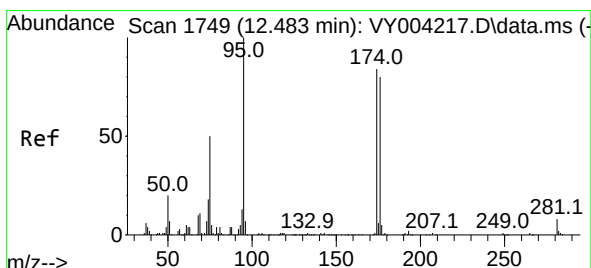
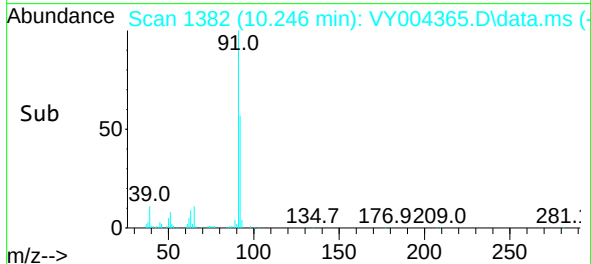
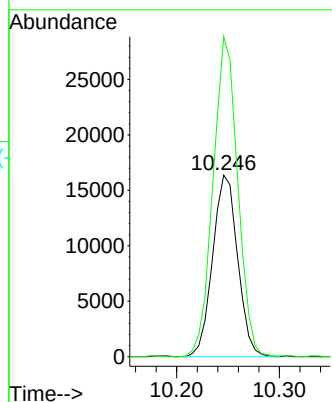
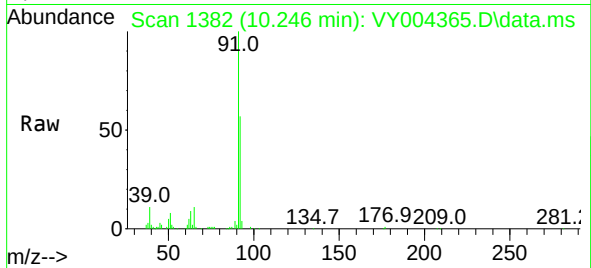




#52
Toluene
Concen: 4.36 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

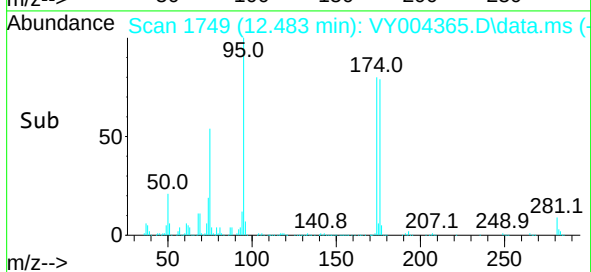
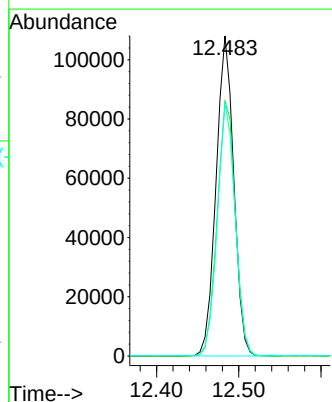
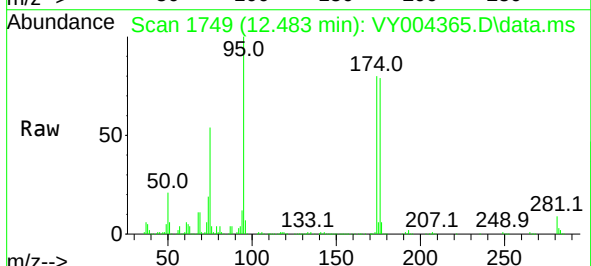
Instrument :
MSVOA_Y
ClientSampled :
SB2-C

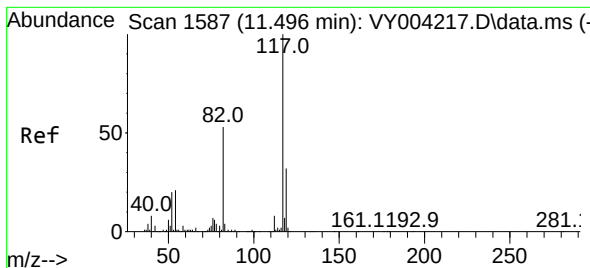
Tgt Ion: 92 Resp: 27583
Ion Ratio Lower Upper
92 100
91 174.8 136.0 204.0



#62
4-Bromofluorobenzene
Concen: 59.19 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 95 Resp: 161666
Ion Ratio Lower Upper
95 100
174 81.7 0.0 171.4
176 78.9 0.0 165.6

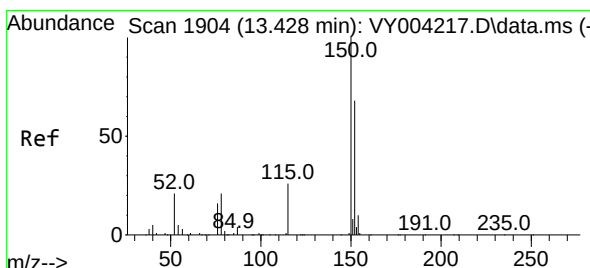
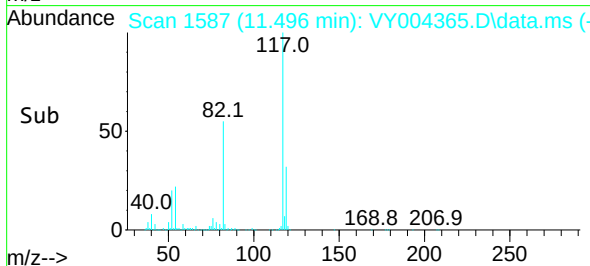
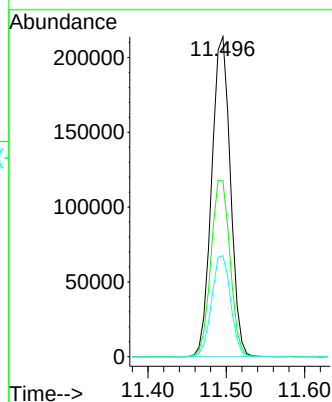
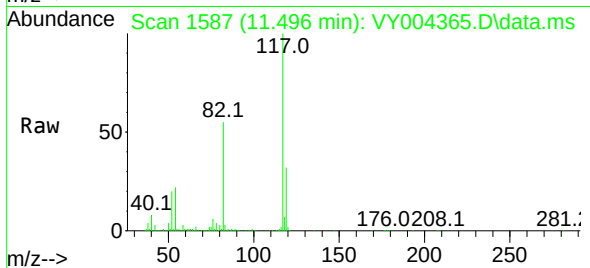




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

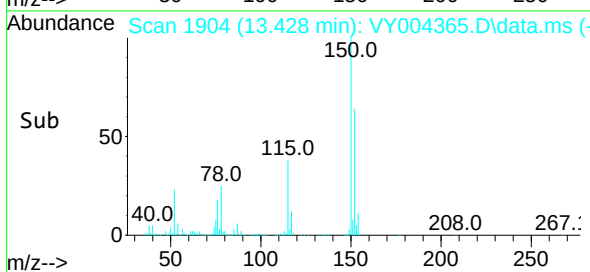
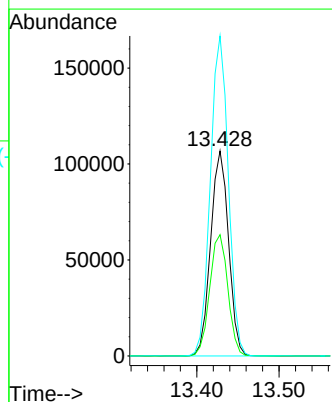
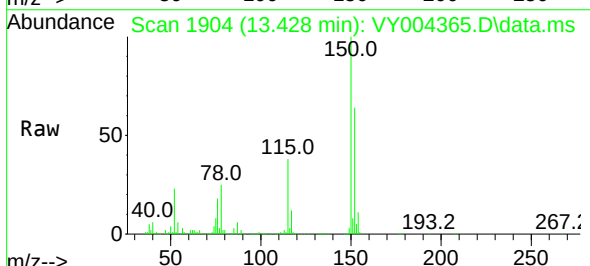
Instrument :
MSVOA_Y
ClientSampled :
SB2-C

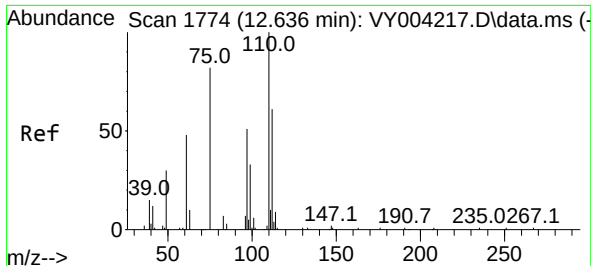
Tgt Ion:117 Resp: 354901
Ion Ratio Lower Upper
117 100
82 54.9 42.7 64.1
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion:152 Resp: 161726
Ion Ratio Lower Upper
152 100
115 60.0 29.0 87.1
150 156.5 0.0 347.4

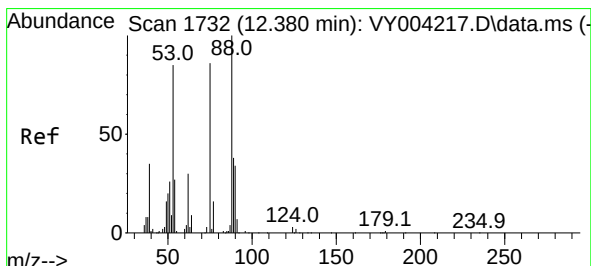
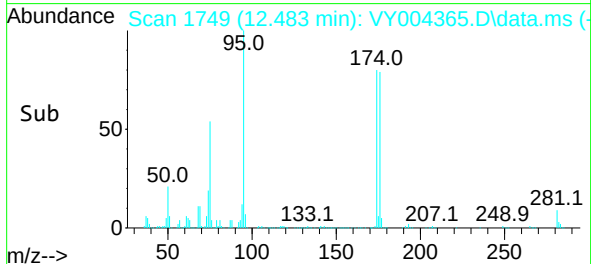
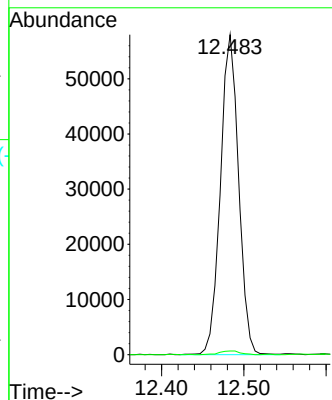
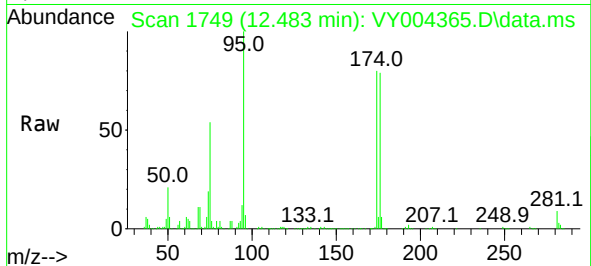




#76
1,2,3-Trichloropropane
Concen: 60.61 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

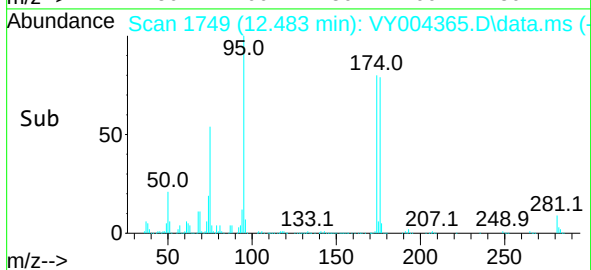
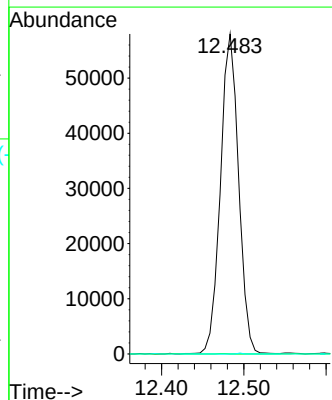
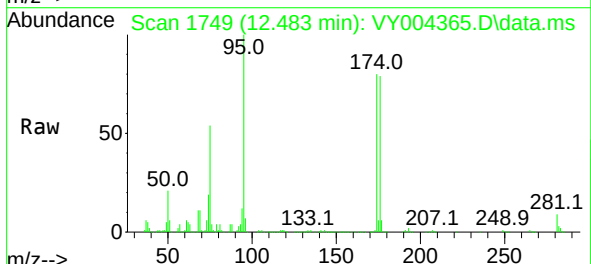
Instrument :
MSVOA_Y
ClientSampled :
SB2-C

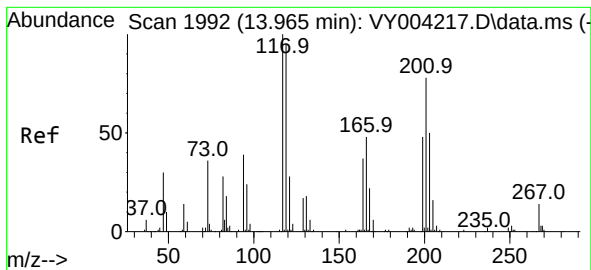
Tgt Ion: 75 Resp: 89015
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.71 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004365.D
Acq: 09 Apr 2021 18:05

Tgt Ion: 75 Resp: 89015
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.1 39.4 59.2#





#90
 Hexachloroethane
 Concen: 7.49 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY004365.D
 Acq: 09 Apr 2021 18:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-C

Tgt Ion:117 Resp: 225
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

