

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004368.D
 Acq On : 09 Apr 2021 19:15
 Operator : SY/MD
 Sample : M1967-11
 Misc : 3.61G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-C

Quant Time: Apr 10 02:06:23 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)

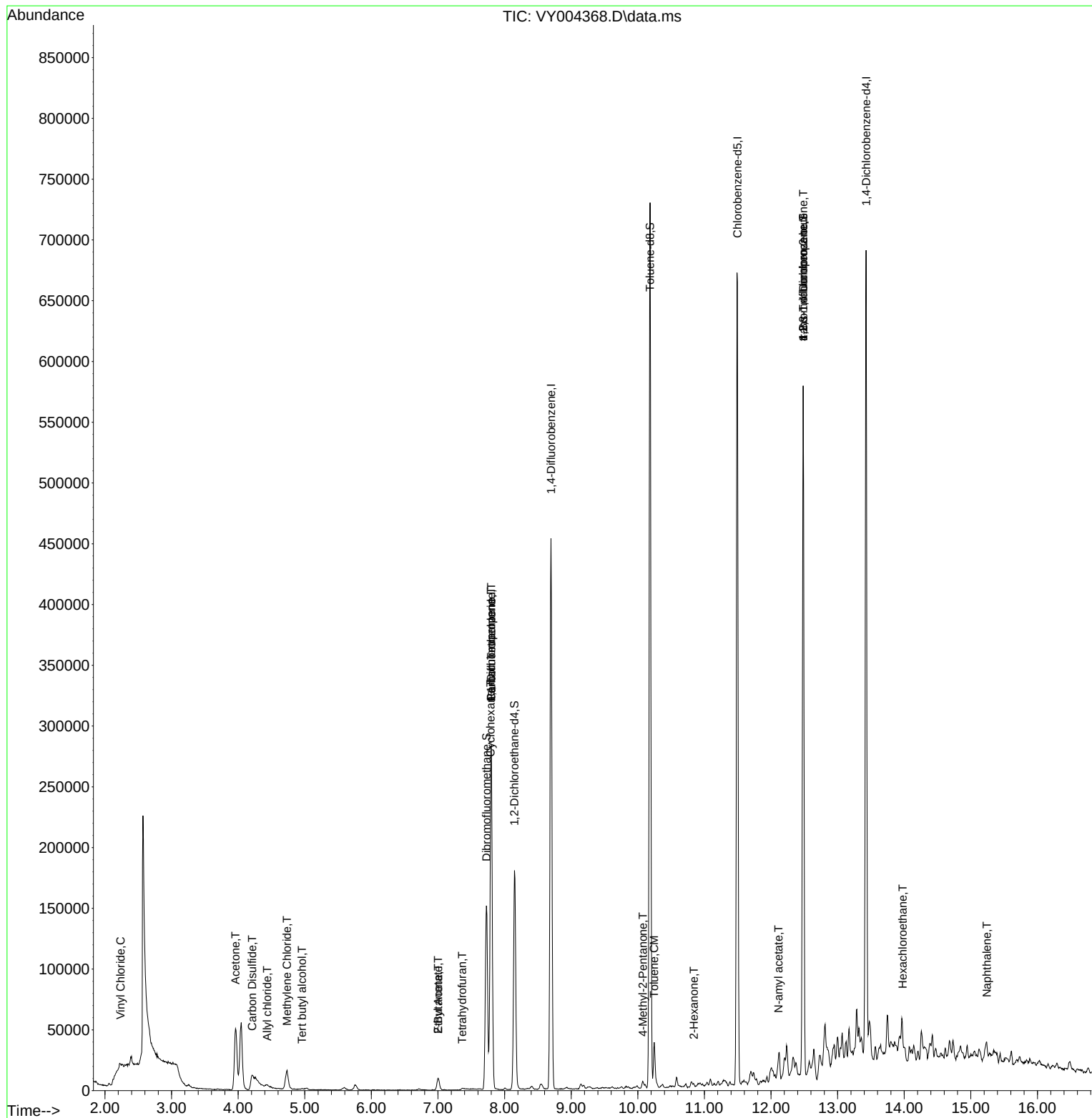
Internal Standards						
1) Pentafluorobenzene	7.801	168	218883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	370654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	349167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	140829	66.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.86%			
35) Dibromofluoromethane	7.728	113	107210	51.91	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.82%			
50) Toluene-d8	10.185	98	455390	58.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.26%			
62) 4-Bromofluorobenzene	12.483	95	160229	60.19	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.38%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.235	62	12092	4.24	ug/l #	42
11) Tert butyl alcohol	4.960	59	715	4.18	ug/l #	71
13) Acrolein	3.735	56	149	Below Cal		88
14) Allyl chloride	4.436	41	3807	1.21	ug/l #	27
16) Acetone	3.960	43	95971	218.92	ug/l	95
17) Carbon Disulfide	4.210	76	20530	3.94	ug/l	96
20) Methylene Chloride	4.735	84	10374	2.43	ug/l	89
25) 2-Butanone	7.002	43	17521	23.93	ug/l	94
29) Tetrahydrofuran	7.362	42	744	1.44	ug/l #	50
31) Cyclohexane	7.789	56	5412	1.46	ug/l #	49
36) 1,1-Dichloropropene	7.795	75	17413	5.15	ug/l #	49
37) Ethyl Acetate	7.002	43	17521	8.83	ug/l #	70
38) Carbon Tetrachloride	7.801	117	22070	7.50	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	3353	1.75	ug/l	98
52) Toluene	10.246	92	14548	2.36	ug/l	95
59) 2-Hexanone	10.843	43	1318	1.00	ug/l	68
74) N-amyl acetate	12.111	43	10164	2.94	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	88219	60.06	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	88264	110.74	ug/l #	10
90) Hexachloroethane	13.977	117	420	7.66	ug/l #	12
95) Naphthalene	15.239	128	10609	1.52	ug/l #	93

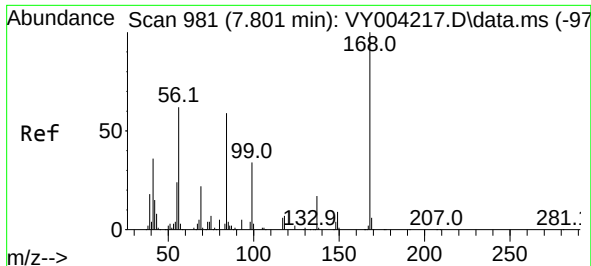
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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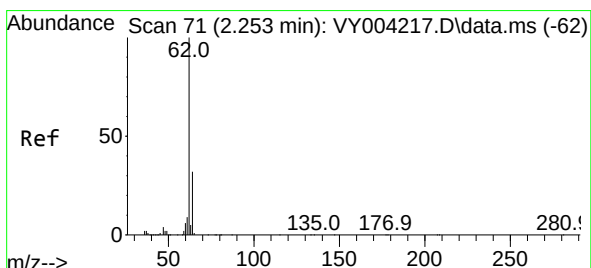
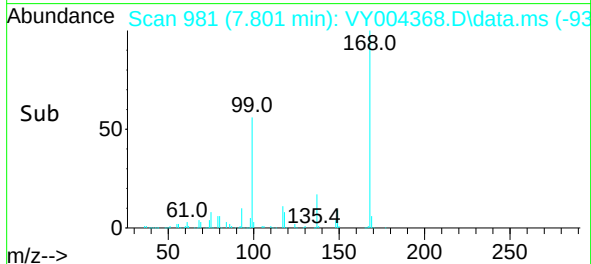
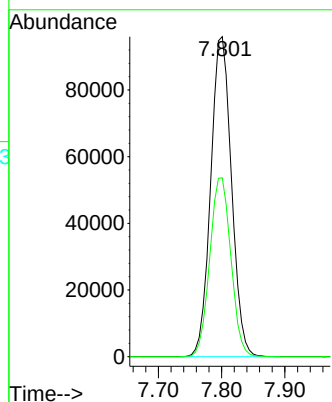
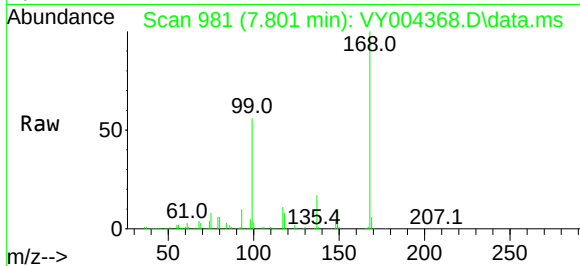




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

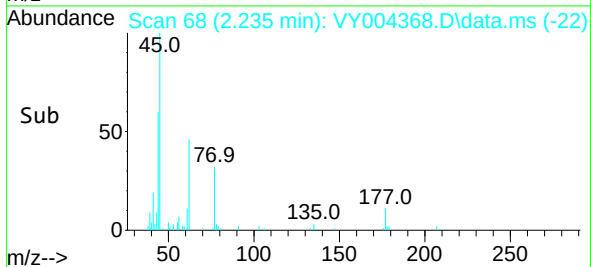
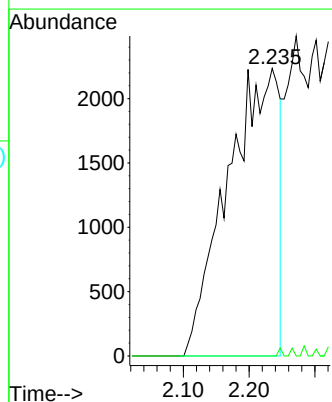
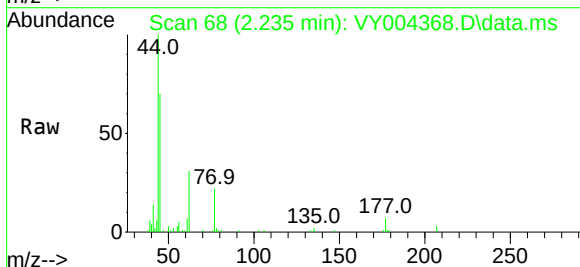
Instrument :
MSVOA_Y
ClientSampled :
SB1-C

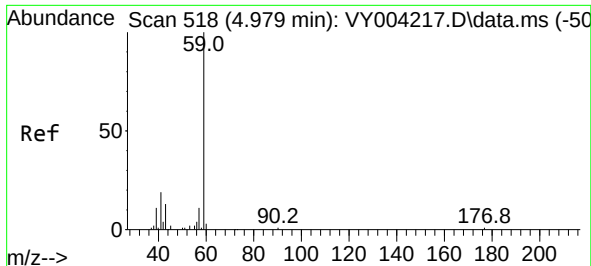
Tgt Ion:168 Resp: 218883
Ion Ratio Lower Upper
168 100
99 55.9 42.6 64.0



#4
Vinyl Chloride
Concen: 4.24 ug/l
RT: 2.235 min Scan# 68
Delta R.T. -0.018 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 62 Resp: 12092
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

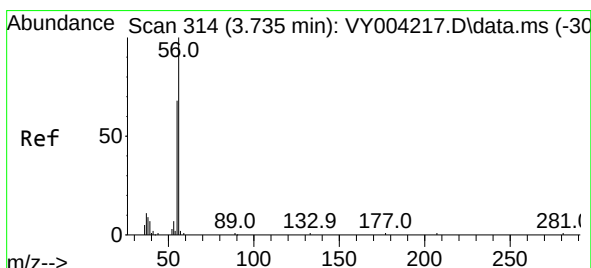
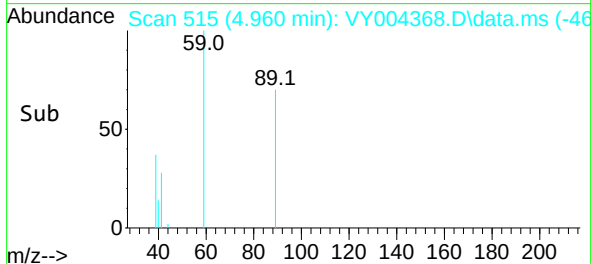
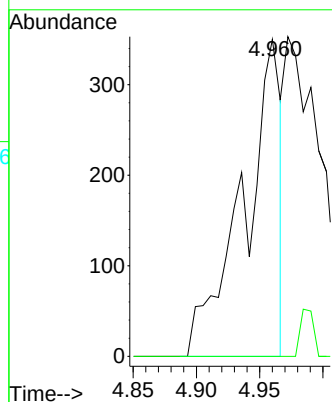
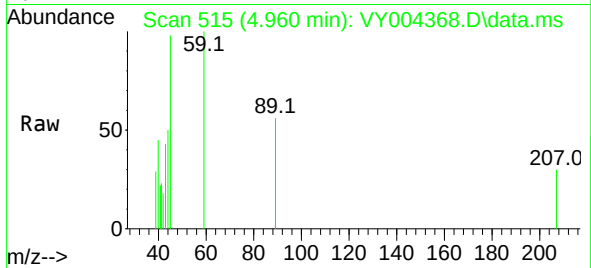




#11
Tert butyl alcohol
Concen: 4.18 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

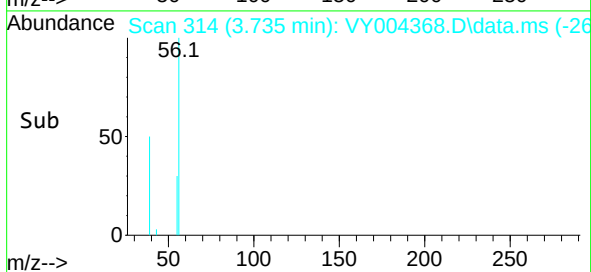
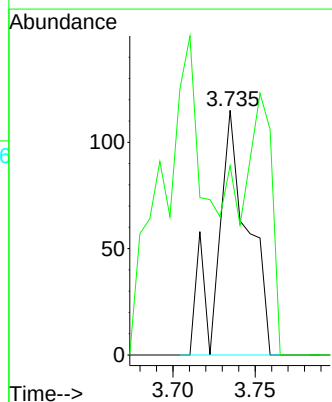
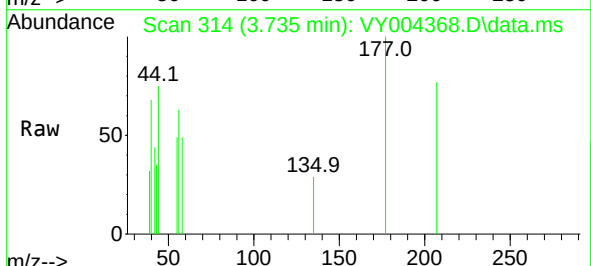
Instrument :
MSVOA_Y
ClientSampled :
SB1-C

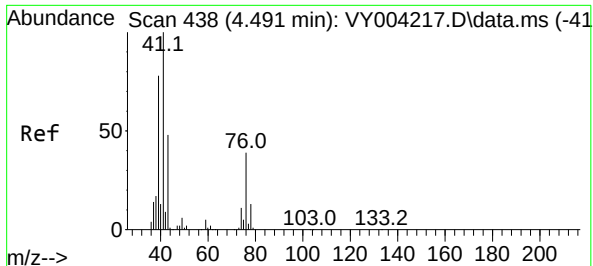
Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 78.5 55.0 82.4

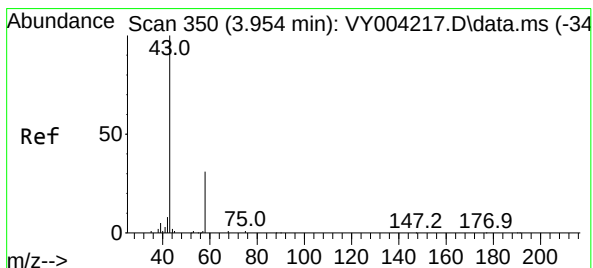
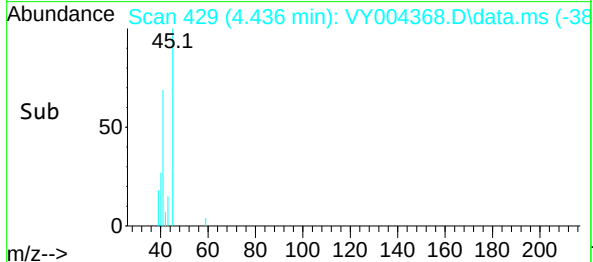
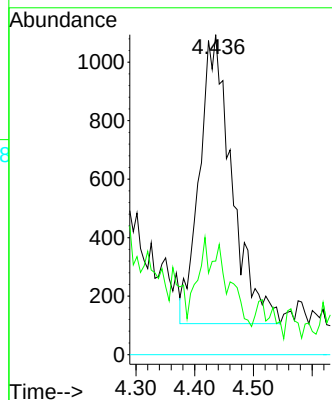
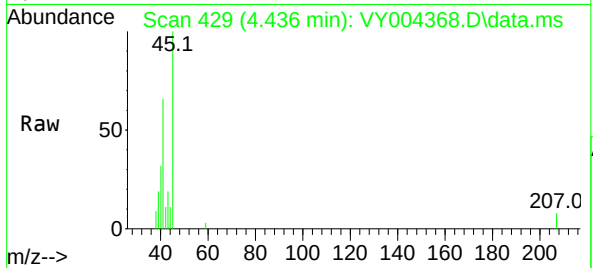




#14
 Allyl chloride
 Concen: 1.21 ug/l
 RT: 4.436 min Scan# 429
 Delta R.T. -0.055 min
 Lab File: VY004368.D
 Acq: 09 Apr 2021 19:15

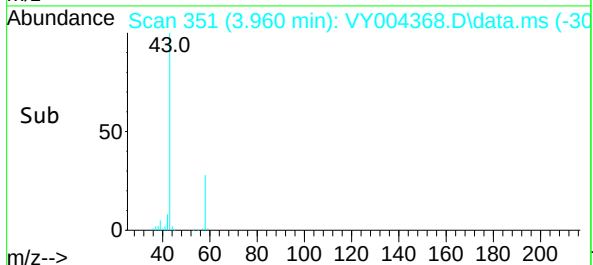
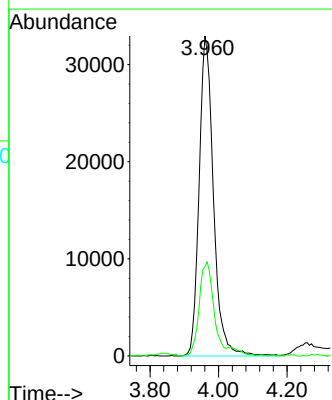
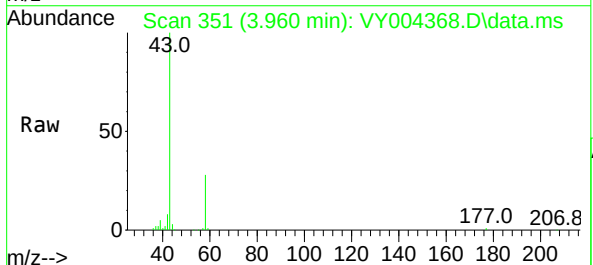
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-C

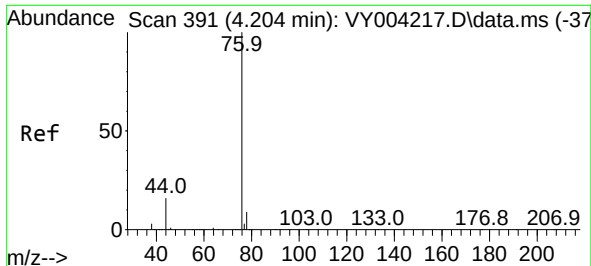
Tgt Ion: 41 Resp: 3807
 Ion Ratio Lower Upper
 41 100
 39 9.1 60.2 90.4#
 76 0.0 30.3 45.5#



#16
 Acetone
 Concen: 218.92 ug/l
 RT: 3.960 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VY004368.D
 Acq: 09 Apr 2021 19:15

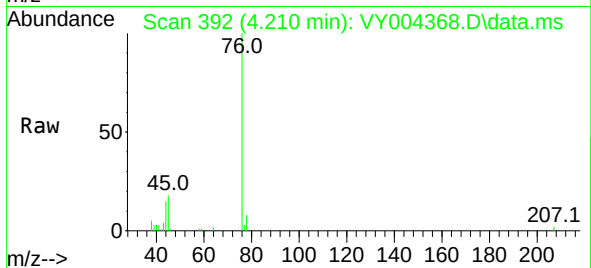
Tgt Ion: 43 Resp: 95971
 Ion Ratio Lower Upper
 43 100
 58 28.0 24.5 36.7



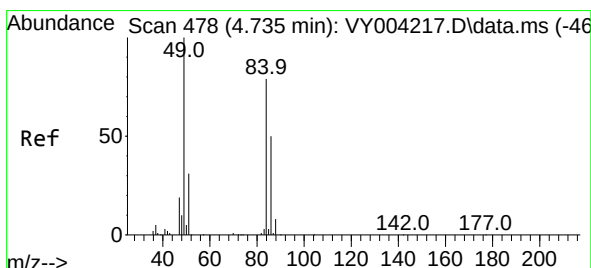
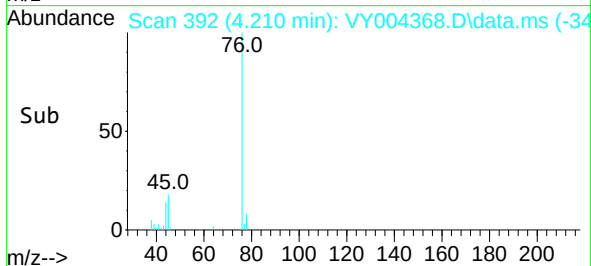
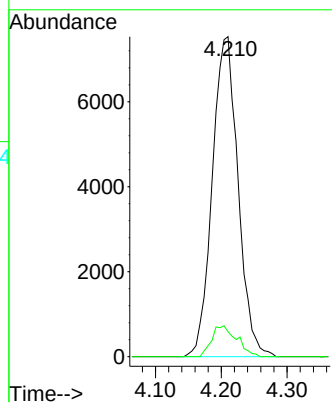


#17
Carbon Disulfide
Concen: 3.94 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Instrument :
MSVOA_Y
ClientSampled :
SB1-C

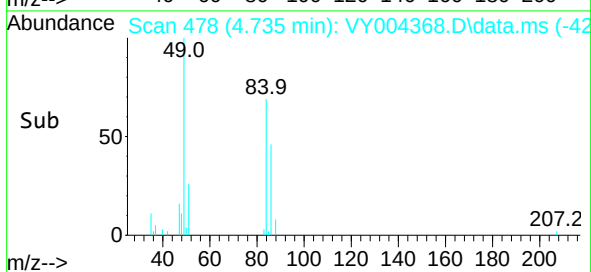
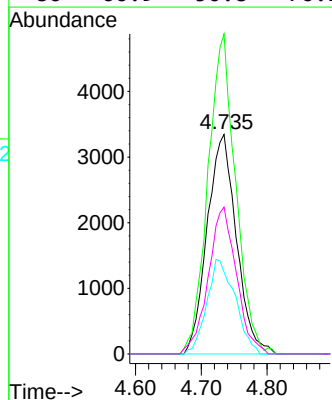
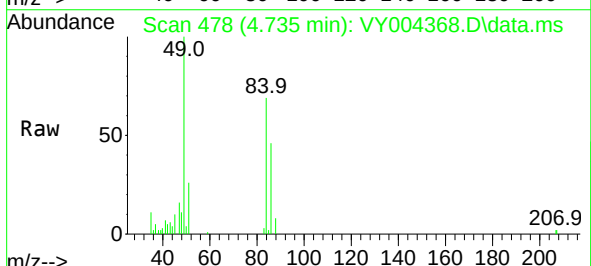


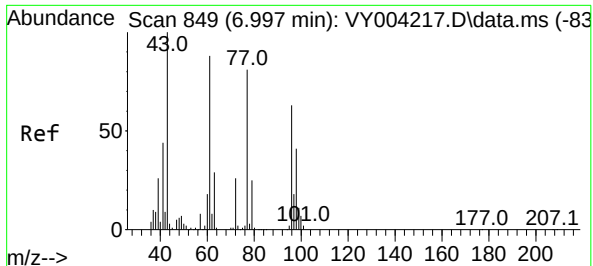
Tgt Ion: 76 Resp: 20530
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2



#20
Methylene Chloride
Concen: 2.43 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 84 Resp: 10374
Ion Ratio Lower Upper
84 100
49 145.7 101.5 152.3
51 37.3 31.5 47.3
86 66.9 50.8 76.2





#25

2-Butanone

Concen: 23.93 ug/l

RT: 7.002 min Scan# 850

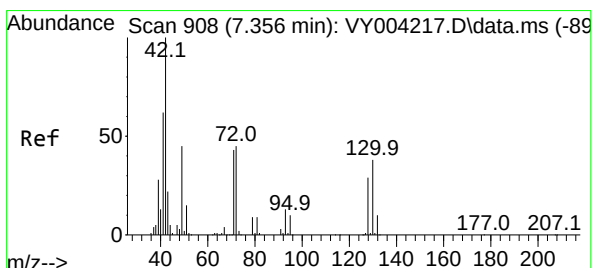
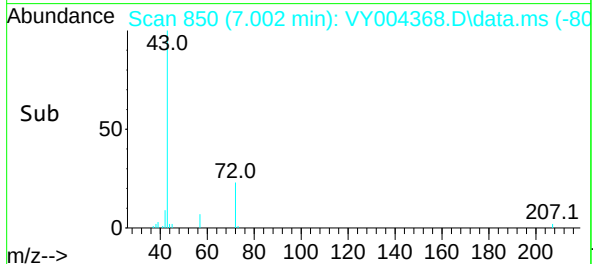
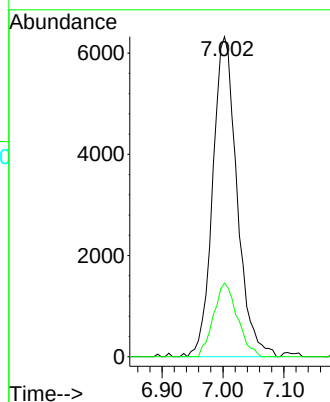
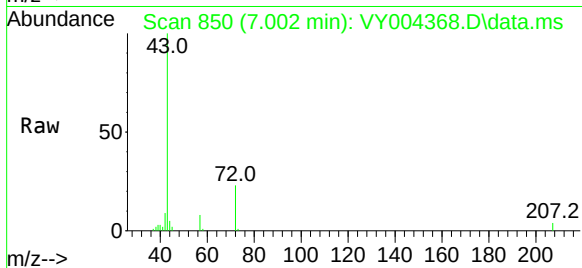
Delta R.T. 0.006 min

Lab File: VY004368.D

Acq: 09 Apr 2021 19:15

Instrument :
MSVOA_Y
ClientSampled :
SB1-C

Tgt Ion: 43 Resp: 17521
Ion Ratio Lower Upper
43 100
72 23.0 21.0 31.6



#29

Tetrahydrofuran

Concen: 1.44 ug/l

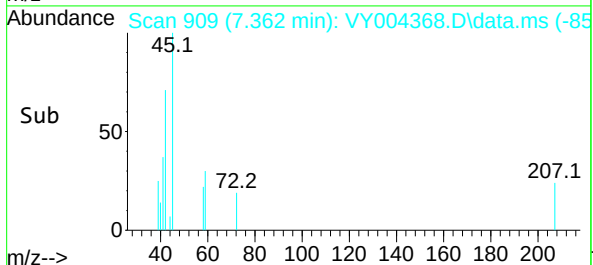
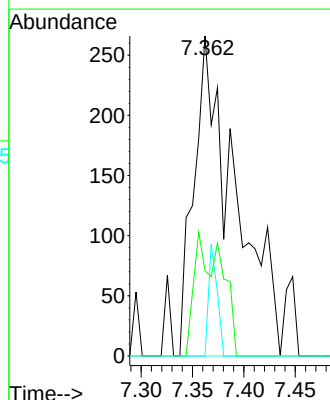
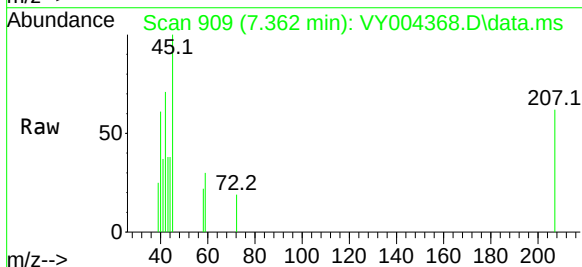
RT: 7.362 min Scan# 909

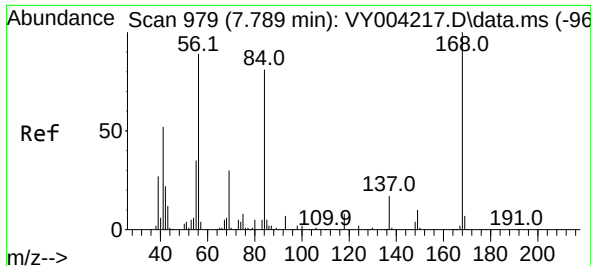
Delta R.T. 0.006 min

Lab File: VY004368.D

Acq: 09 Apr 2021 19:15

Tgt Ion: 42 Resp: 744
Ion Ratio Lower Upper
42 100
72 14.4 35.1 52.7#
71 7.1 32.9 49.3#

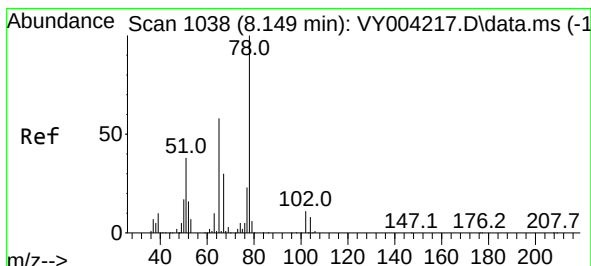
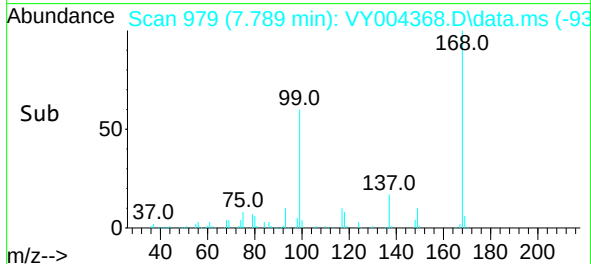
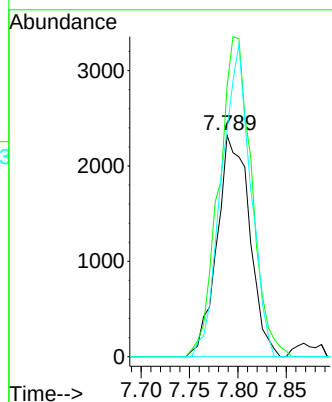
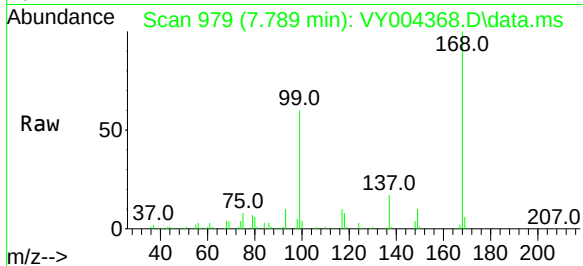




#31
Cyclohexane
Concen: 1.46 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

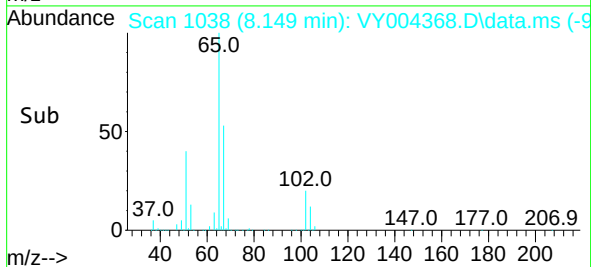
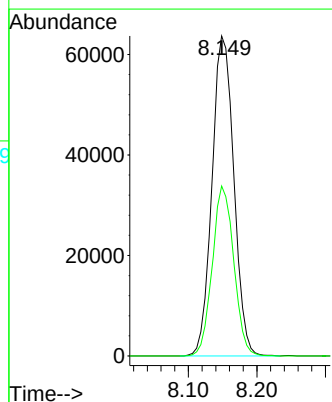
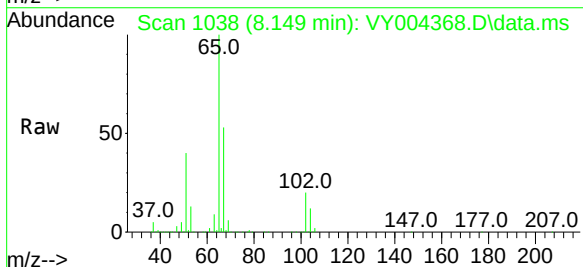
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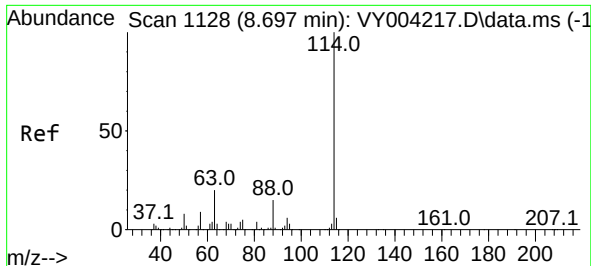
Tgt Ion: 56 Resp: 5412
Ion Ratio Lower Upper
56 100
69 122.2 26.6 40.0#
84 102.3 72.3 108.5



#33
1,2-Dichloroethane-d4
Concen: 66.93 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 65 Resp: 140829
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.2

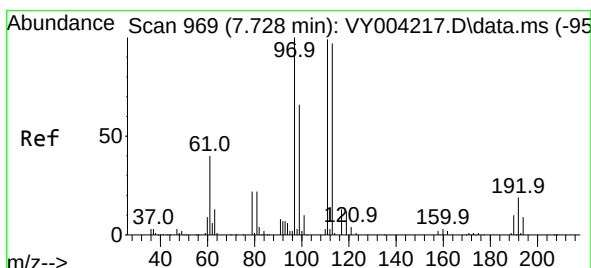
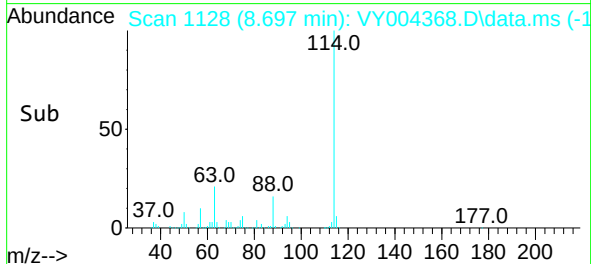
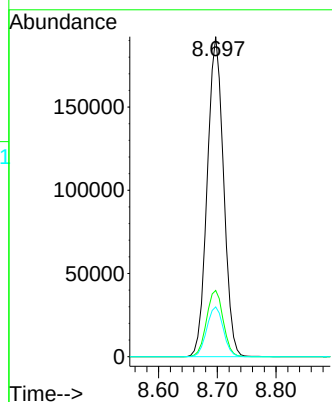
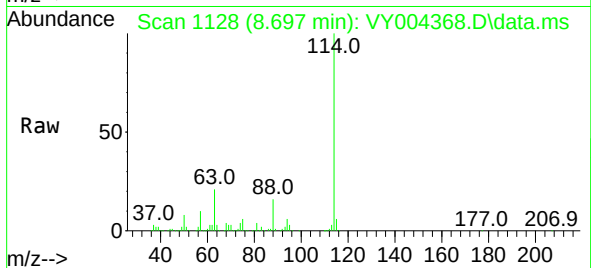




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

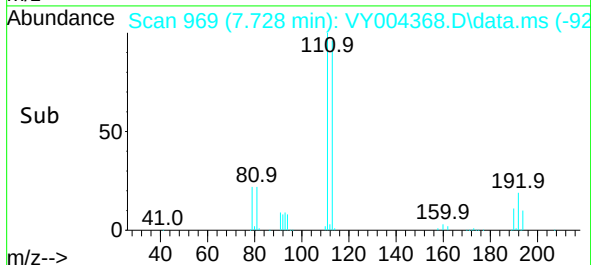
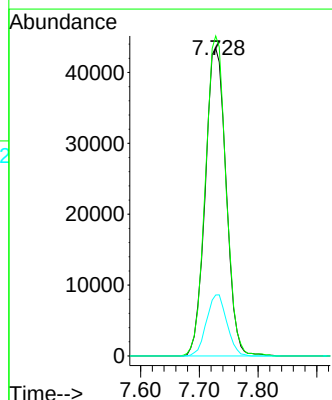
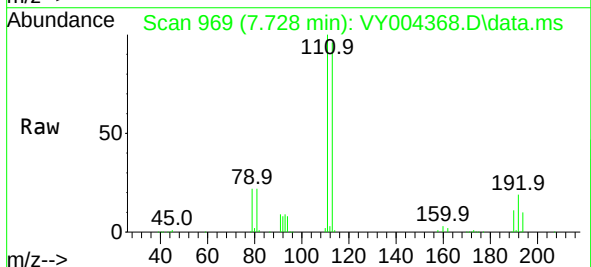
Instrument :
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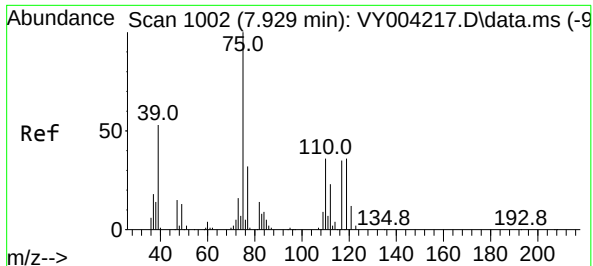
Tgt Ion:114 Resp: 370654
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.91 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion:113 Resp: 107210
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.4 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.15 ug/l

RT: 7.795 min Scan# 980

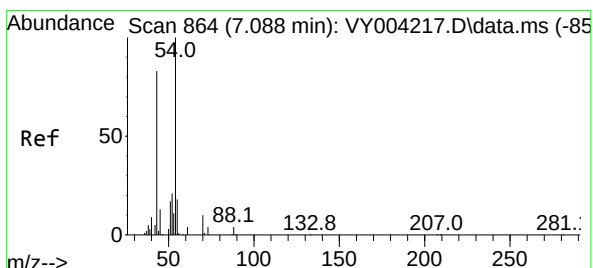
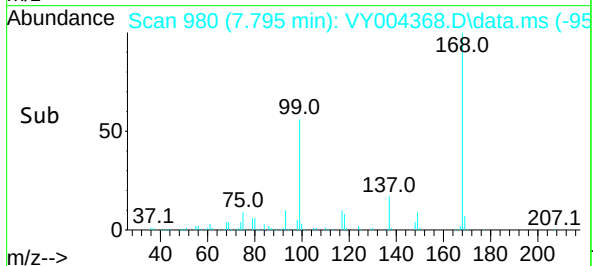
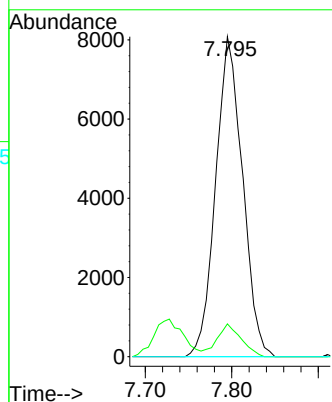
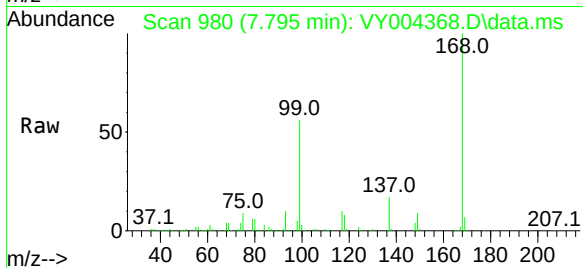
Delta R.T. -0.134 min

Lab File: VY004368.D

Acq: 09 Apr 2021 19:15

Tgt Ion: 75	Resp: 17413
Ion Ratio	Lower Upper
75 100	
110 9.2	18.1 54.3#
77 0.0	25.1 37.7#

Instrument :
MSVOA_Y
ClientSampled :
SB1-C



#37

Ethyl Acetate

Concen: 8.83 ug/l

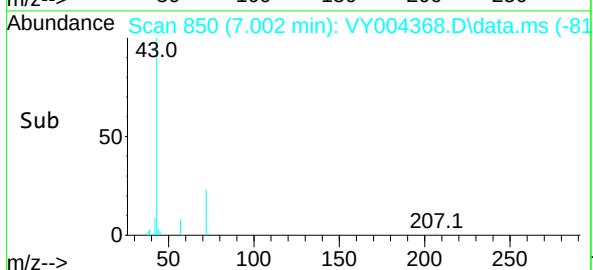
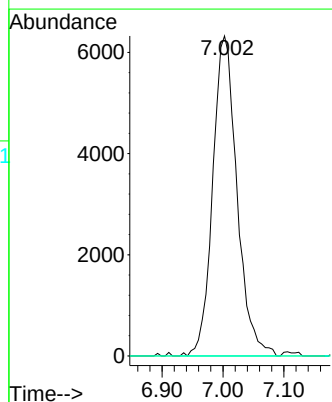
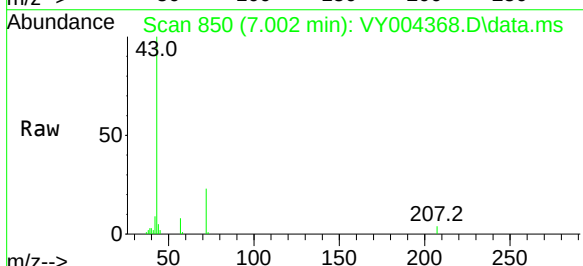
RT: 7.002 min Scan# 850

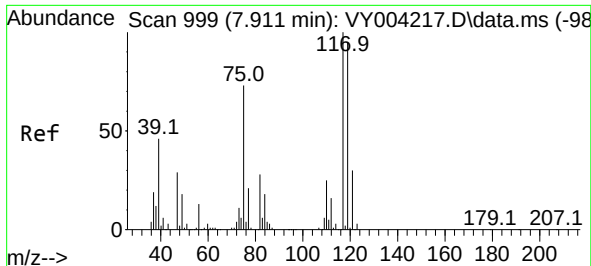
Delta R.T. -0.086 min

Lab File: VY004368.D

Acq: 09 Apr 2021 19:15

Tgt Ion: 43	Resp: 17521
Ion Ratio	Lower Upper
43 100	
61 0.0	10.2 15.2#
70 0.0	8.0 12.0#

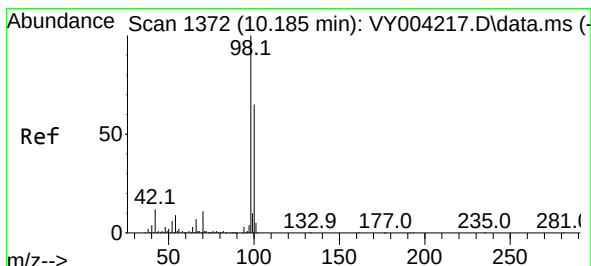
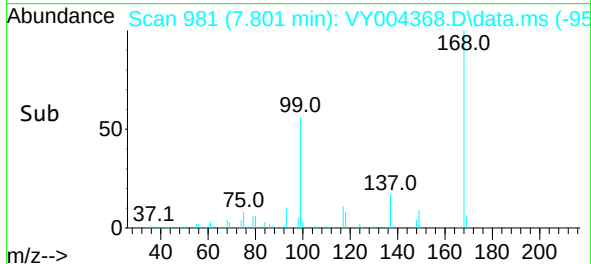
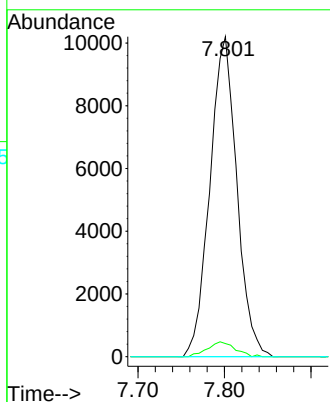
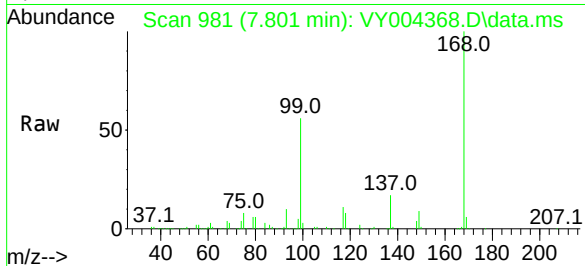




#38
Carbon Tetrachloride
Concen: 7.50 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

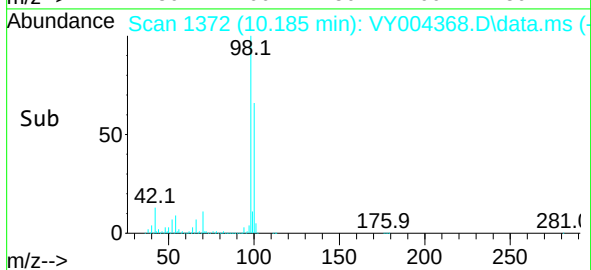
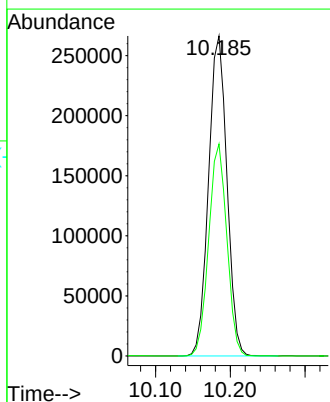
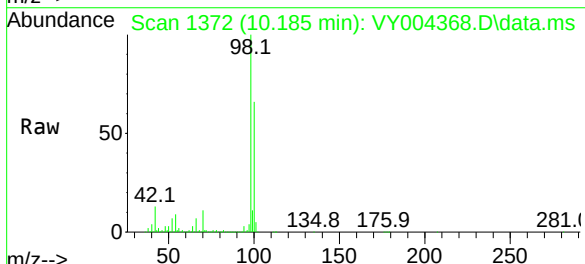
Instrument :
MSVOA_Y
ClientSampleId :
SB1-C

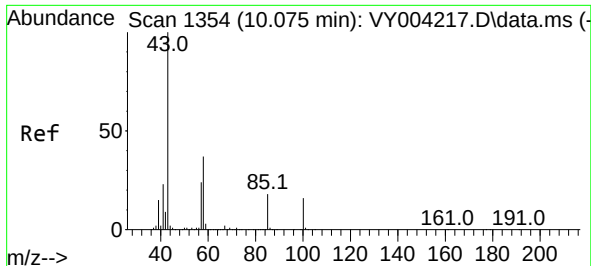
Tgt Ion:117 Resp: 22070
Ion Ratio Lower Upper
117 100
119 4.1 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.63 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 98 Resp: 455390
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

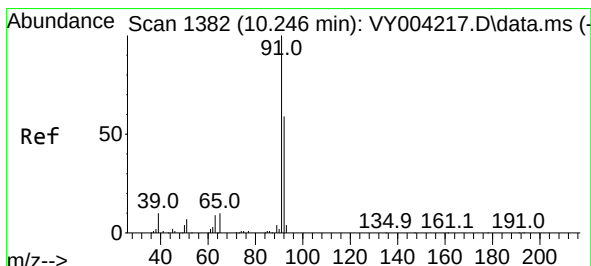
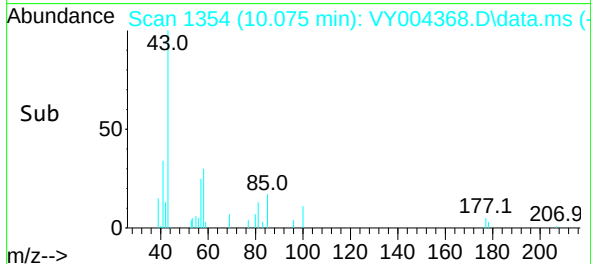
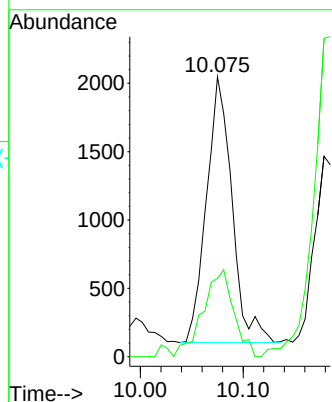
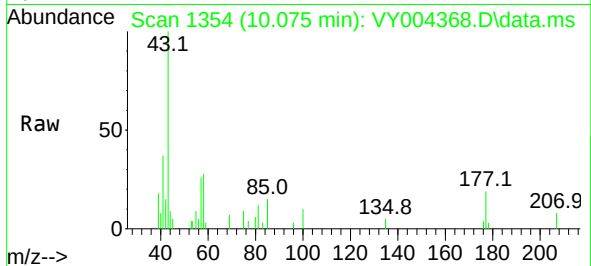




#51
4-Methyl-2-Pentanone
Concen: 1.75 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

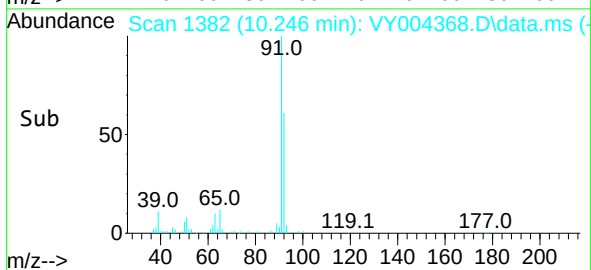
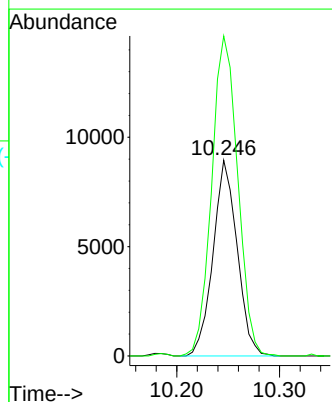
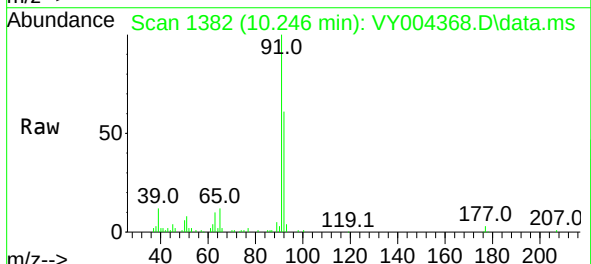
Instrument :
MSVOA_Y
ClientSampled :
SB1-C

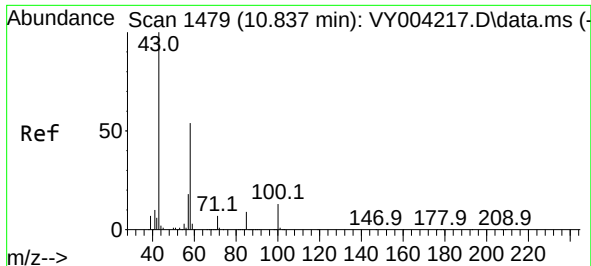
Tgt Ion: 43 Resp: 3353
Ion Ratio Lower Upper
43 100
58 39.5 30.6 45.8



#52
Toluene
Concen: 2.36 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 92 Resp: 14548
Ion Ratio Lower Upper
92 100
91 176.7 136.0 204.0

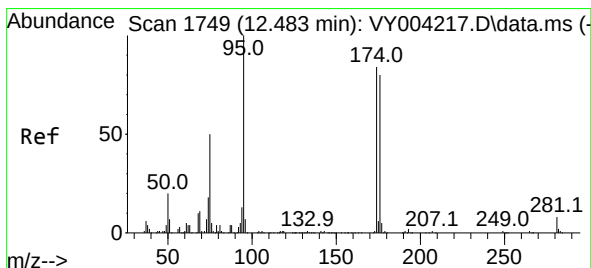
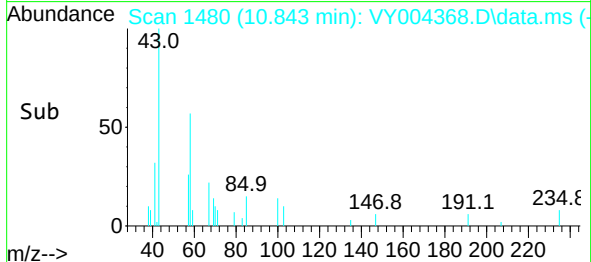
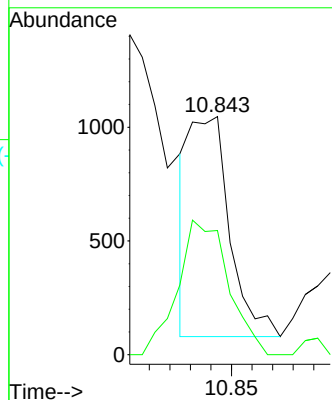
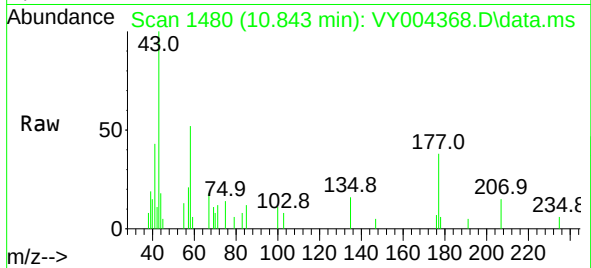




#59
2-Hexanone
Concen: 1.00 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

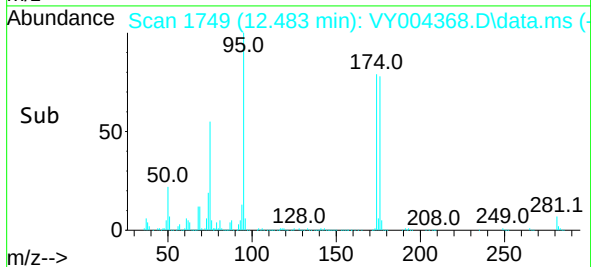
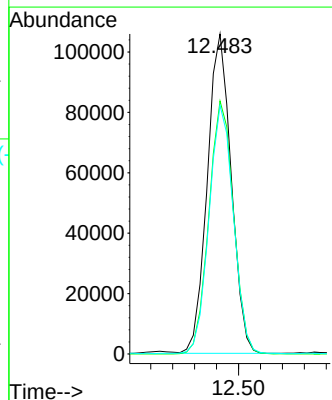
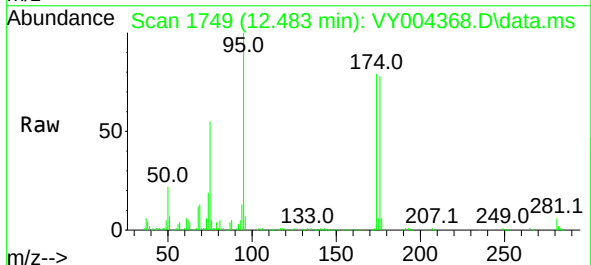
Instrument :
MSVOA_Y
ClientSampled :
SB1-C

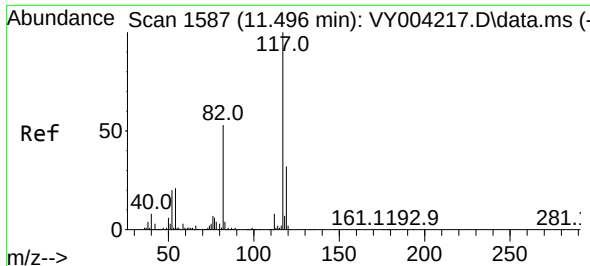
Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
58 76.5 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 60.19 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 95 Resp: 160229
Ion Ratio Lower Upper
95 100
174 81.5 0.0 171.4
176 79.2 0.0 165.6

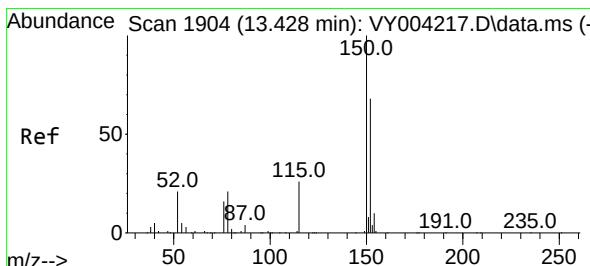
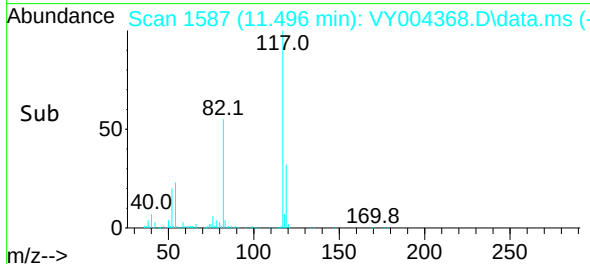
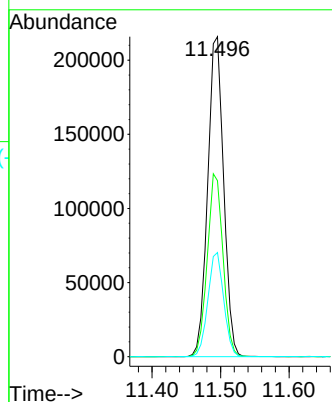
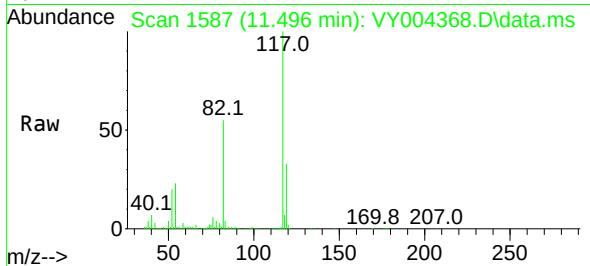




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

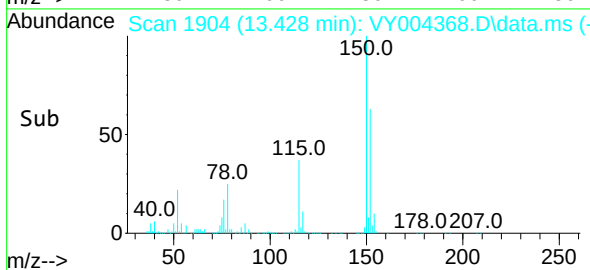
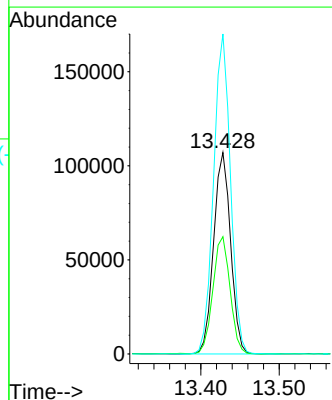
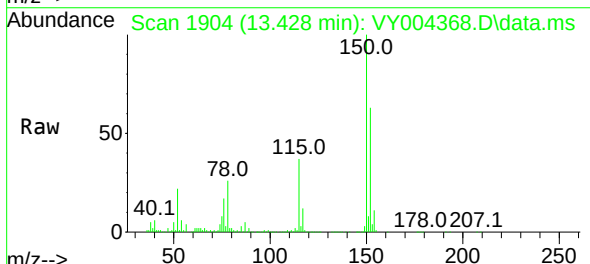
Instrument :
MSVOA_Y
ClientSampleId :
SB1-C

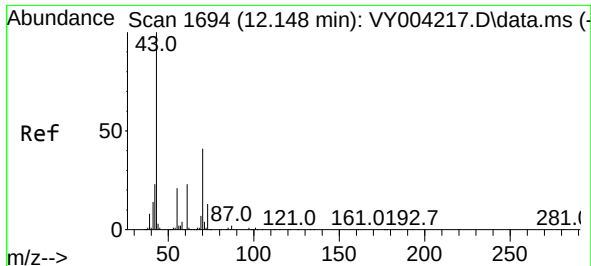
Tgt Ion:117 Resp: 349167
Ion Ratio Lower Upper
117 100
82 55.0 42.7 64.1
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion:152 Resp: 161766
Ion Ratio Lower Upper
152 100
115 58.8 29.0 87.1
150 157.4 0.0 347.4

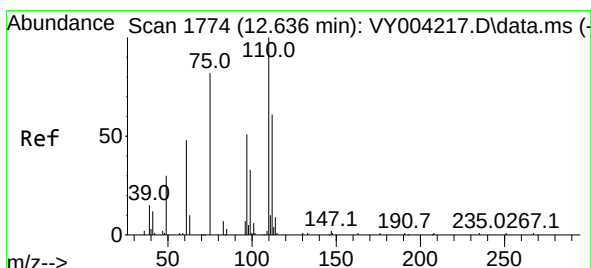
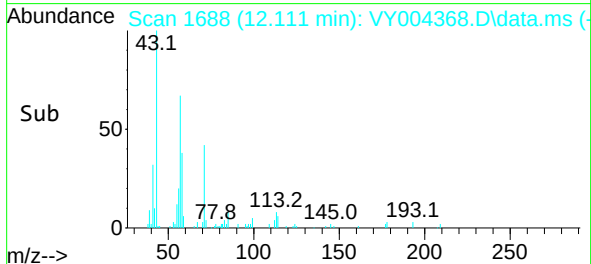
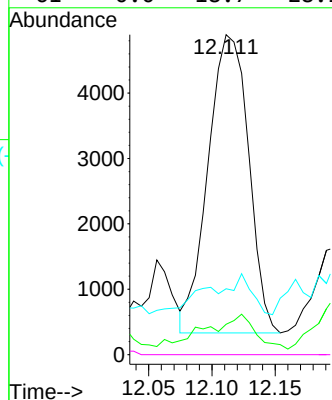
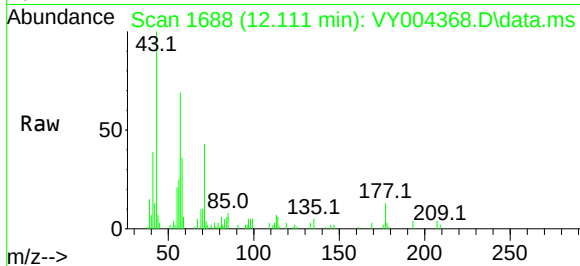




#74
N-amy1 acetate
Concen: 2.94 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

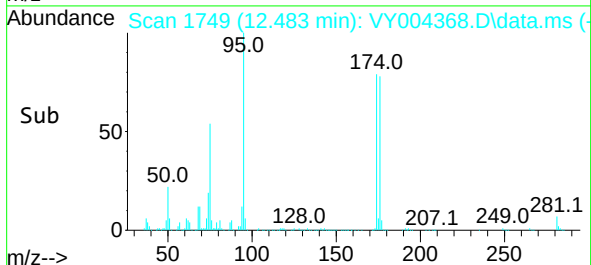
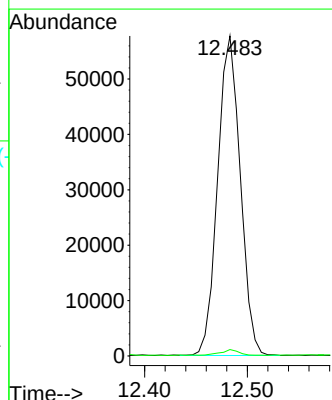
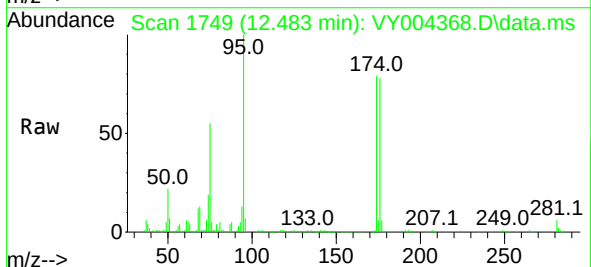
Instrument :
MSVOA_Y
ClientSampleId :
SB1-C

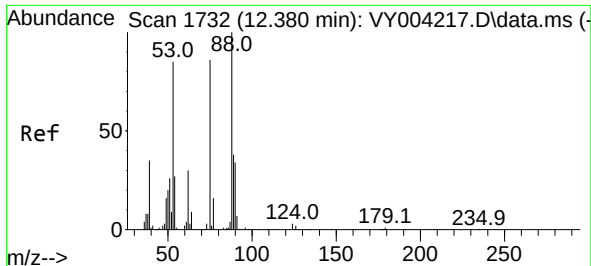
Tgt Ion: 43	Resp: 10164
Ion Ratio	Lower Upper
43 100	
70 0.0	32.6 49.0#
55 4.5	18.0 27.0#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 60.06 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 75	Resp: 88219
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

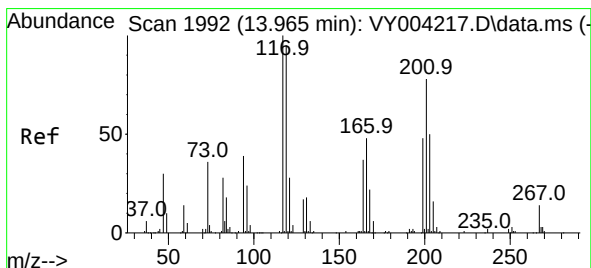
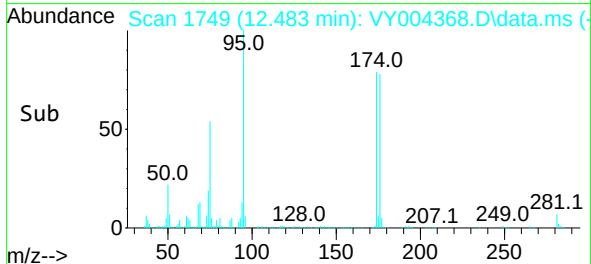
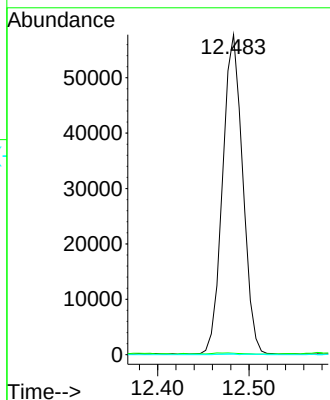
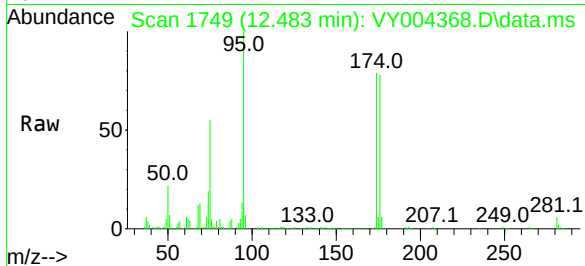




#81
trans-1,4-Dichloro-2-butene
Concen: 110.74 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

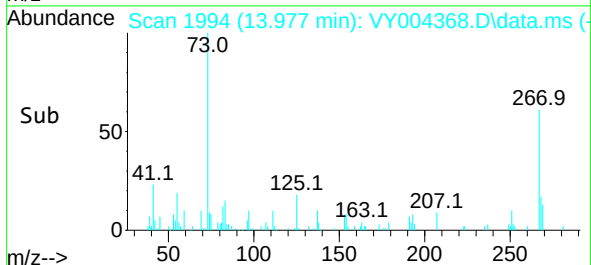
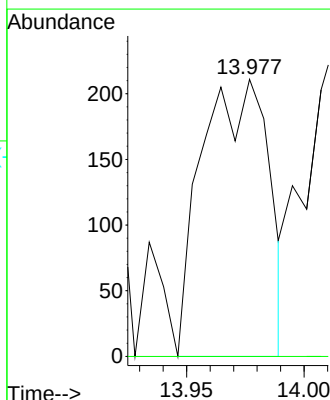
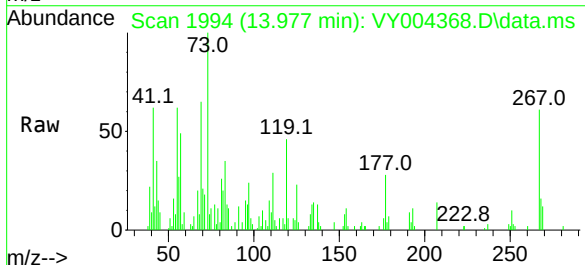
Instrument :
MSVOA_Y
ClientSampled :
SB1-C

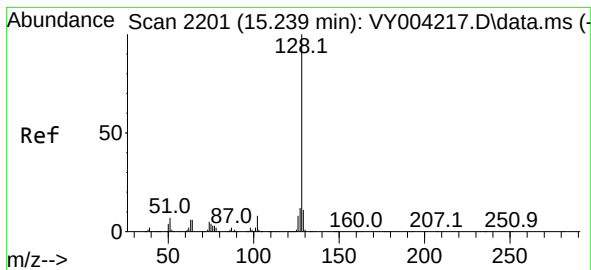
Tgt Ion: 75 Resp: 88264
Ion Ratio Lower Upper
75 100
53 0.5 79.3 118.9#
89 0.2 39.4 59.2#



#90
Hexachloroethane
Concen: 7.66 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004368.D
Acq: 09 Apr 2021 19:15

Tgt Ion: 117 Resp: 420
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#





#95
 Naphthalene
 Concen: 1.52 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: VY004368.D
 Acq: 09 Apr 2021 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-C

Tgt Ion:128 Resp: 10609
 Ion Ratio Lower Upper
 128 100
 127 15.9 10.1 15.1#
 129 13.3 8.9 13.3

