

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004363.D
 Acq On : 09 Apr 2021 17:19
 Operator : SY/MD
 Sample : M1967-06
 Misc : 3.99G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-A

Quant Time: Apr 10 02:05:02 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	238551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	413158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	387318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170011	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	151643	66.13	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.26%
35) Dibromofluoromethane	7.728	113	122553	53.24	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.48%
50) Toluene-d8	10.185	98	511431	59.07	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	118.14%
62) 4-Bromofluorobenzene	12.483	95	177845	59.93	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.86%

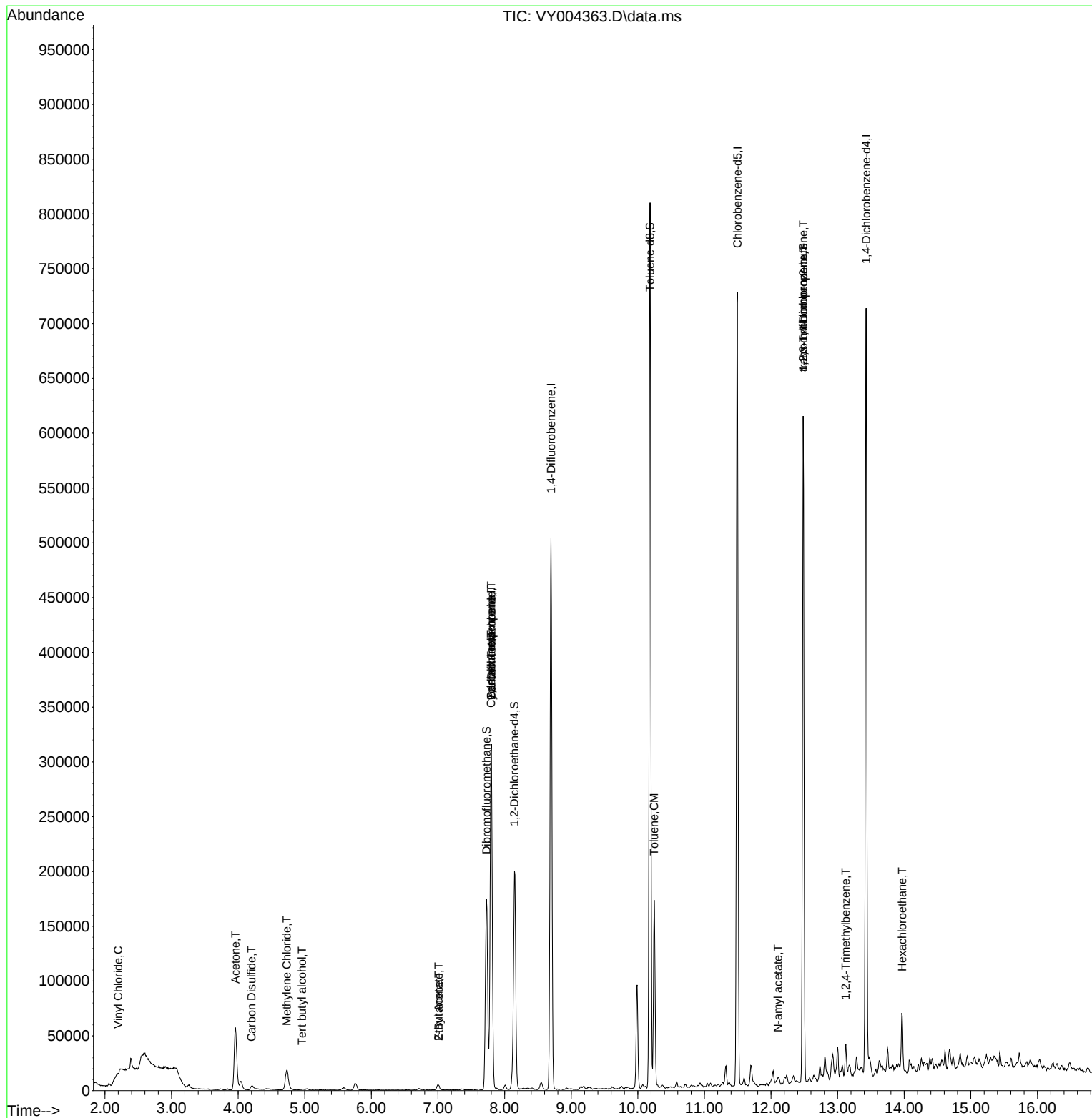
Target Compounds						Qvalue
4) Vinyl Chloride	2.198	62	6814	2.19	ug/l #	42
11) Tert butyl alcohol	4.960	59	1244	6.67	ug/l #	71
13) Acrolein	3.741	56	894	Below Cal	#	80
16) Acetone	3.960	43	100886	211.16	ug/l	96
17) Carbon Disulfide	4.198	76	6938	1.22	ug/l	98
20) Methylene Chloride	4.728	84	13760	3.53	ug/l	94
25) 2-Butanone	7.008	43	9136	11.45	ug/l #	89
31) Cyclohexane	7.795	56	6536	1.61	ug/l #	13
36) 1,1-Dichloropropene	7.801	75	19377	5.14	ug/l #	48
37) Ethyl Acetate	7.008	43	9136	4.13	ug/l #	70
38) Carbon Tetrachloride	7.801	117	24115	7.35	ug/l #	17
52) Toluene	10.246	92	68839	10.02	ug/l	98
74) N-amyl acetate	12.105	43	5068	1.40	ug/l #	52
76) 1,2,3-Trichloropropane	12.483	75	94141	60.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	94141	112.39	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.123	105	14588	1.44	ug/l	93
90) Hexachloroethane	13.971	117	574	7.78	ug/l #	12

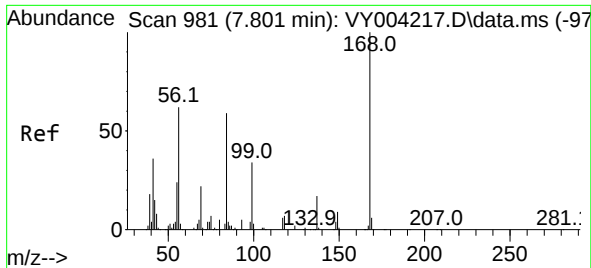
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

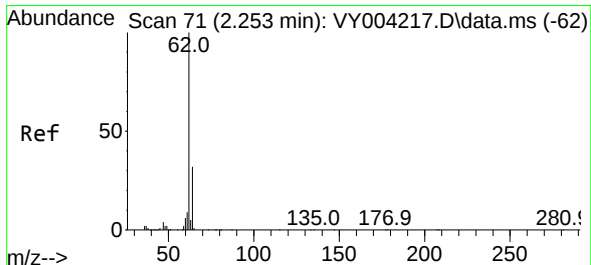
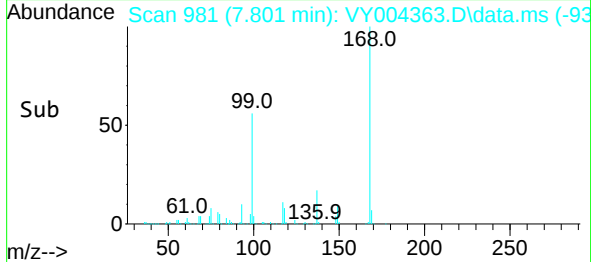
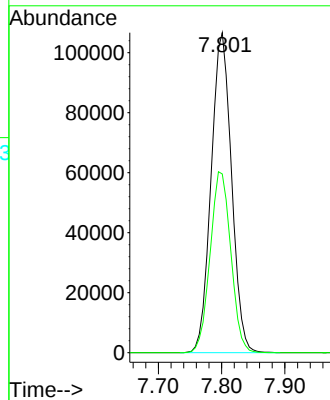
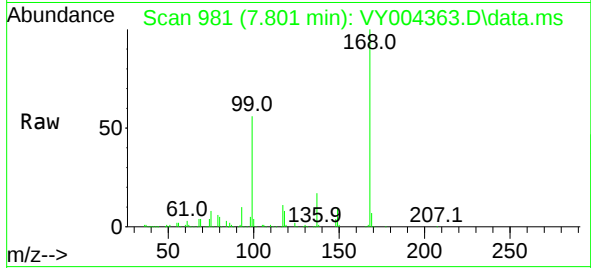




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

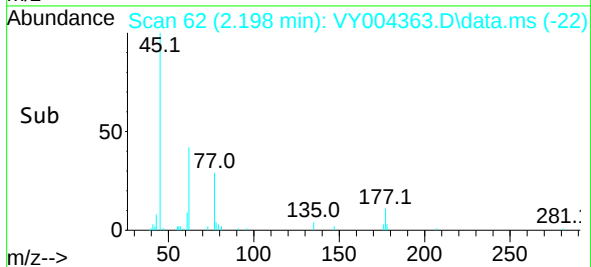
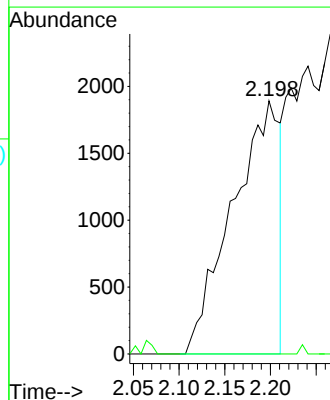
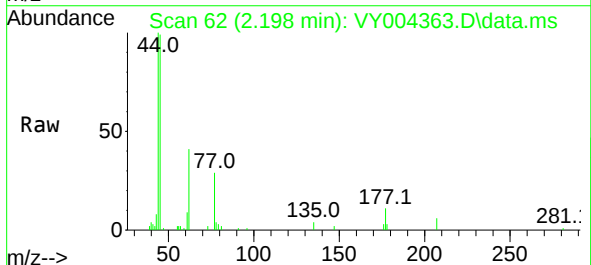
Instrument :
MSVOA_Y
ClientSampleId :
SB2-A

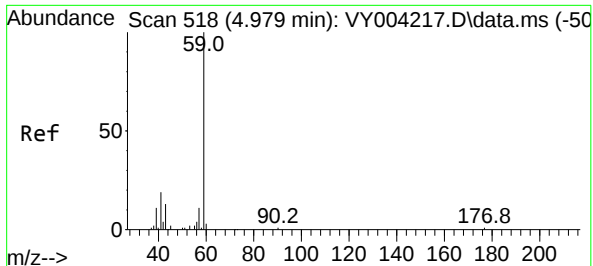
Tgt Ion:168 Resp: 238551
Ion Ratio Lower Upper
168 100
99 55.9 42.6 64.0



#4
Vinyl Chloride
Concen: 2.19 ug/l
RT: 2.198 min Scan# 62
Delta R.T. -0.055 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 62 Resp: 6814
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



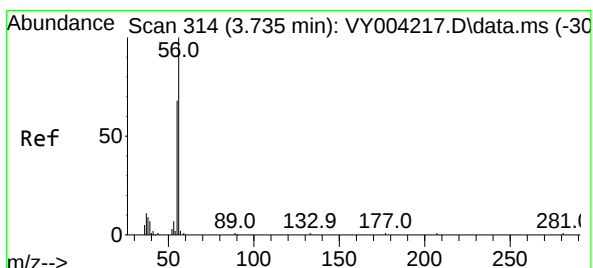
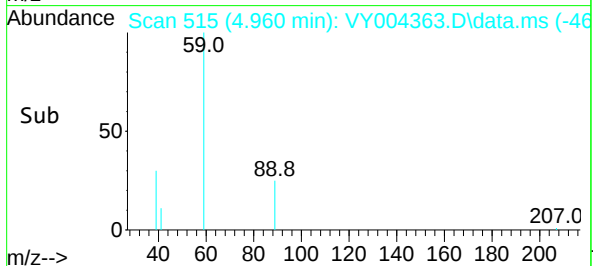
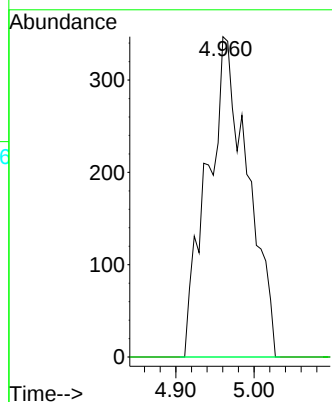
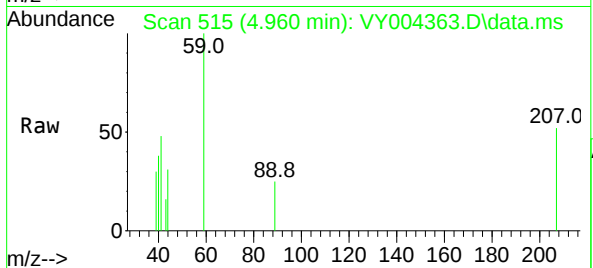


#11

Tert butyl alcohol
Concen: 6.67 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Instrument :
MSVOA_Y
ClientSampled :
SB2-A

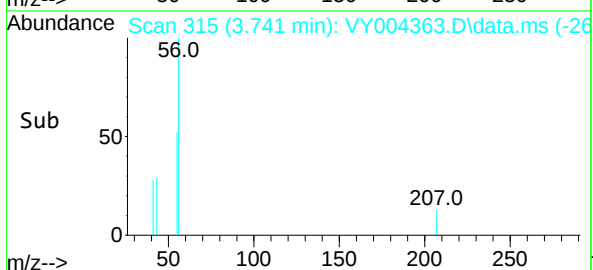
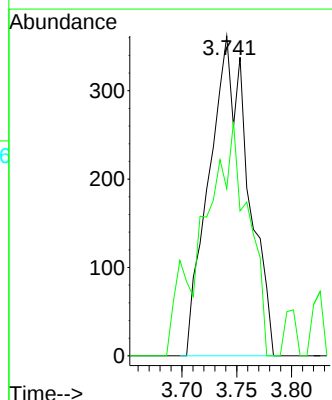
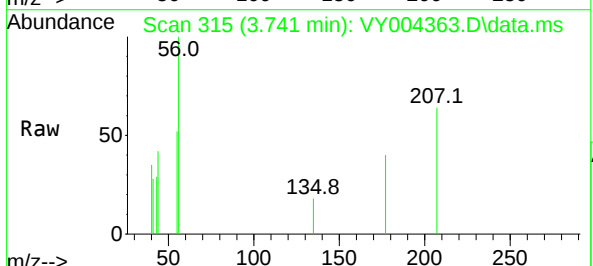
Tgt Ion: 59 Resp: 1244
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

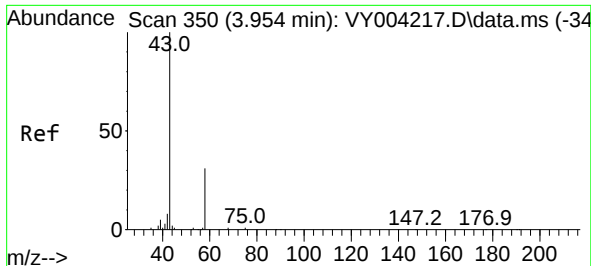


#13

Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

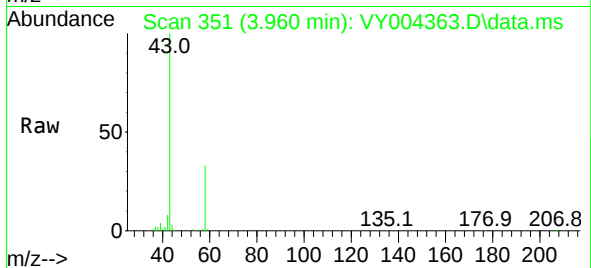
Tgt Ion: 56 Resp: 894
Ion Ratio Lower Upper
56 100
55 84.8 55.0 82.4#



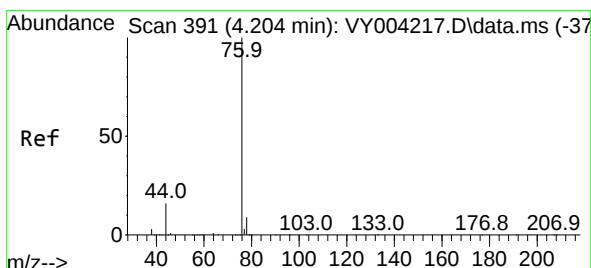
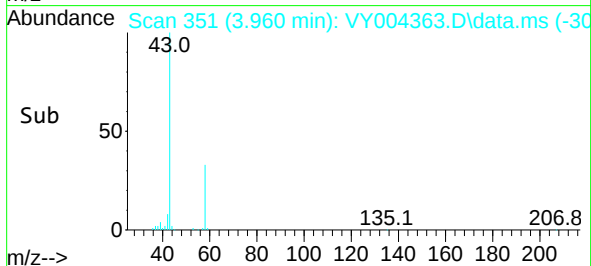
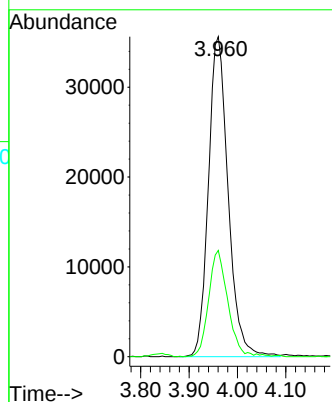


#16
Acetone
Concen: 211.16 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Instrument :
MSVOA_Y
ClientSampleId :
SB2-A

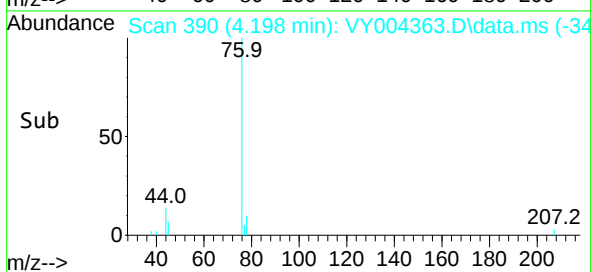
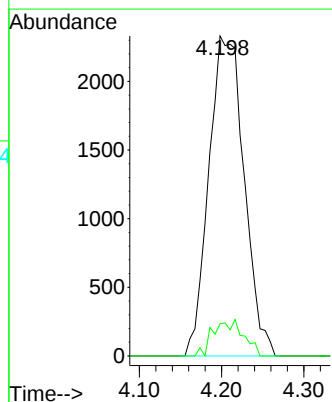
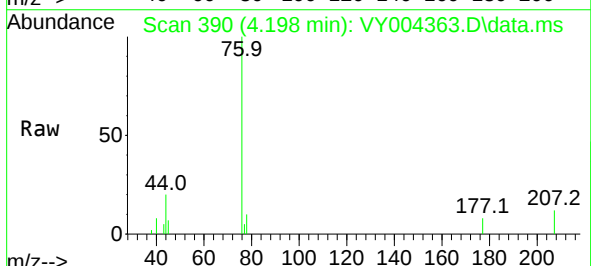


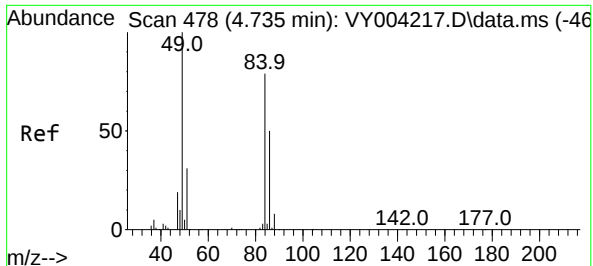
Tgt Ion: 43 Resp: 100886
Ion Ratio Lower Upper
43 100
58 33.1 24.5 36.7



#17
Carbon Disulfide
Concen: 1.22 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 76 Resp: 6938
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2





#20

Methylene Chloride

Concen: 3.53 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.007 min

Lab File: VY004363.D

Acq: 09 Apr 2021 17:19

Tgt Ion: 84 Resp: 13760

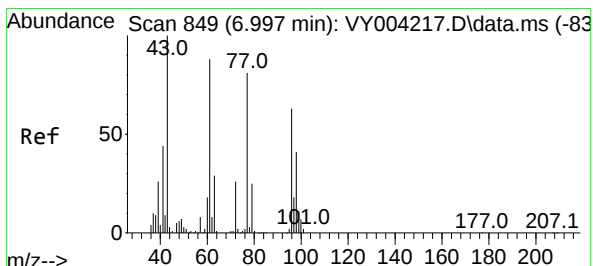
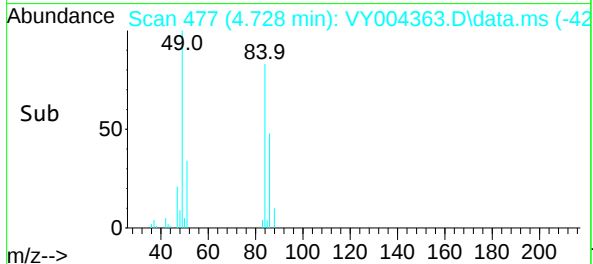
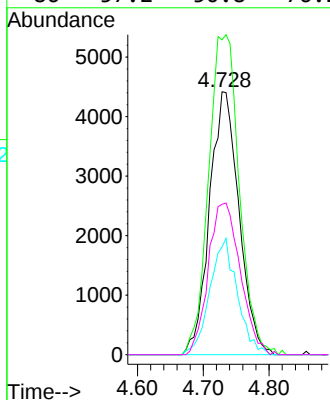
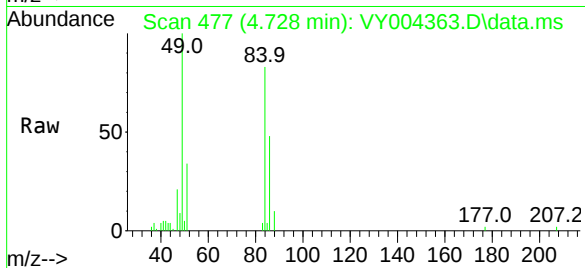
Ion Ratio Lower Upper

84 100

49 119.8 101.5 152.3

51 41.0 31.5 47.3

86 57.2 50.8 76.2



#25

2-Butanone

Concen: 11.45 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY004363.D

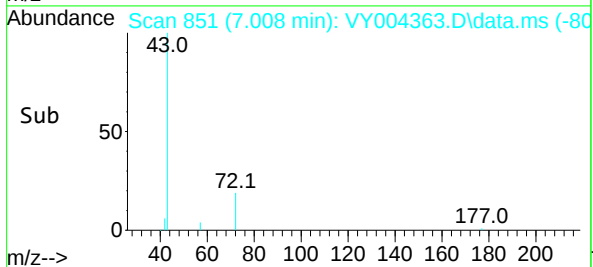
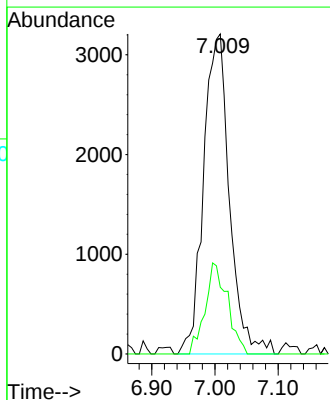
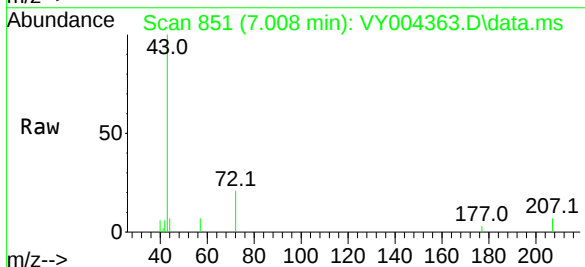
Acq: 09 Apr 2021 17:19

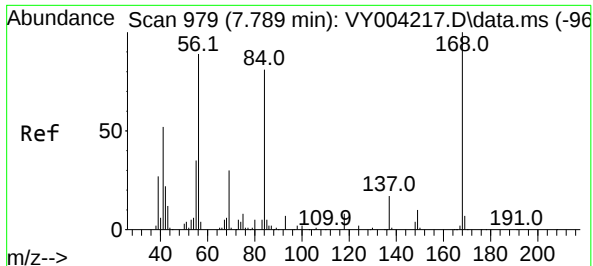
Tgt Ion: 43 Resp: 9136

Ion Ratio Lower Upper

43 100

72 20.8 21.0 31.6#

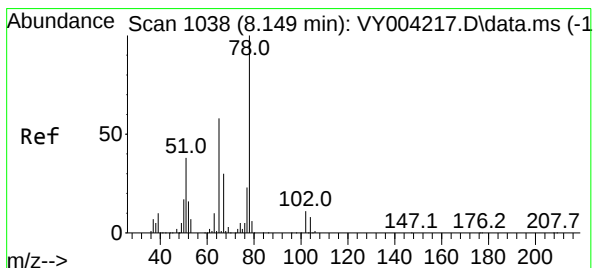
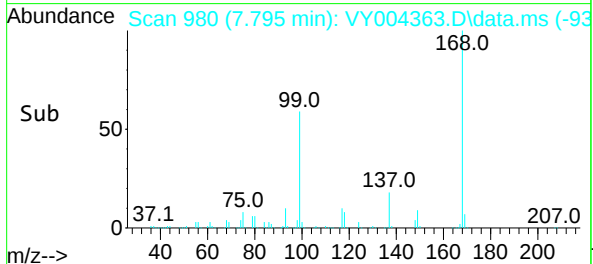
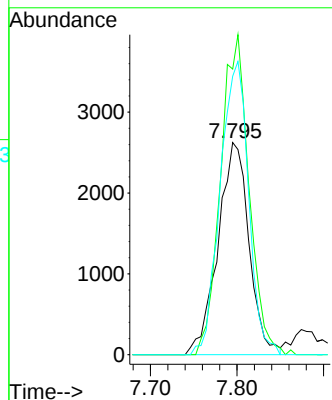
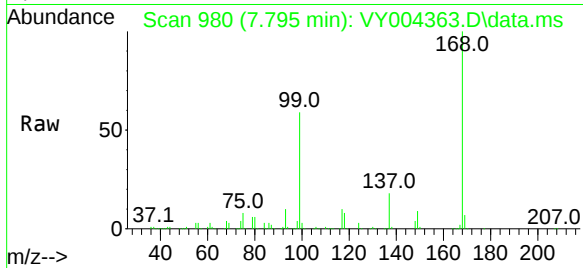




#31
Cyclohexane
Concen: 1.61 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

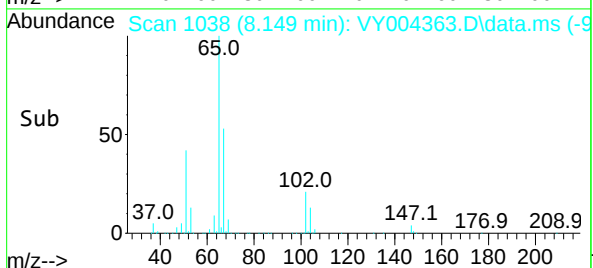
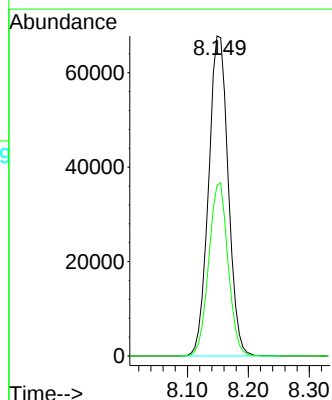
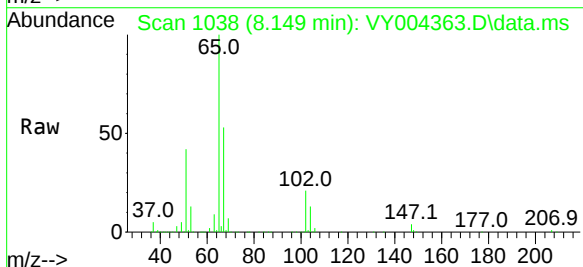
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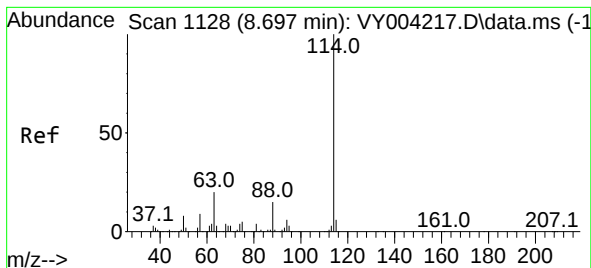
Tgt Ion: 56 Resp: 6536
Ion Ratio Lower Upper
56 100
69 134.7 26.6 40.0#
84 140.7 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 66.13 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 65 Resp: 151643
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.2

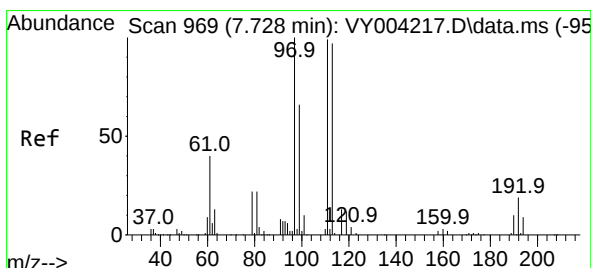
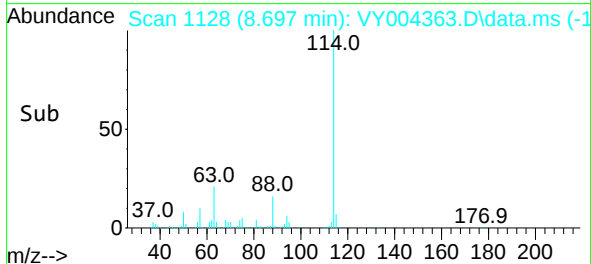
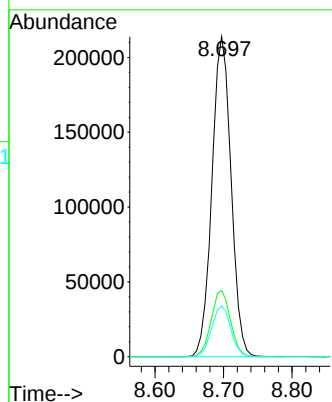
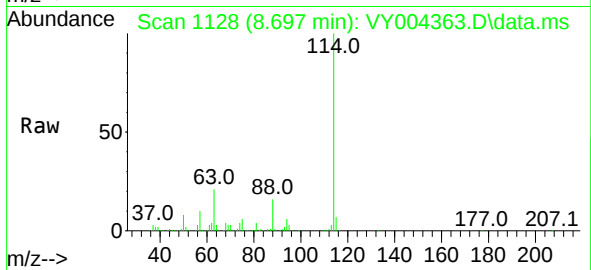




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

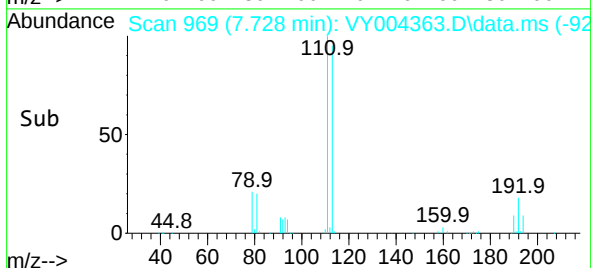
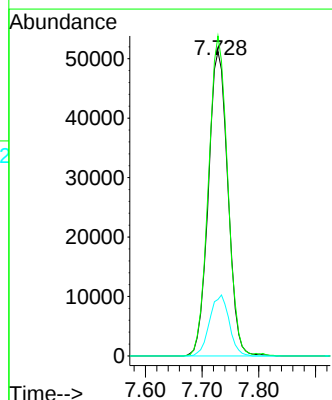
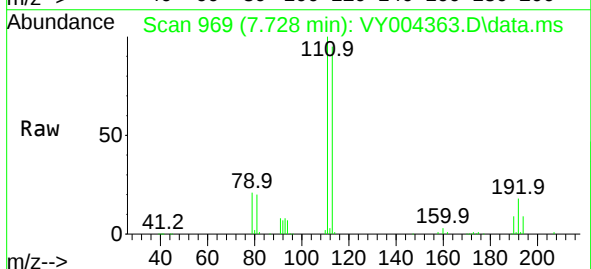
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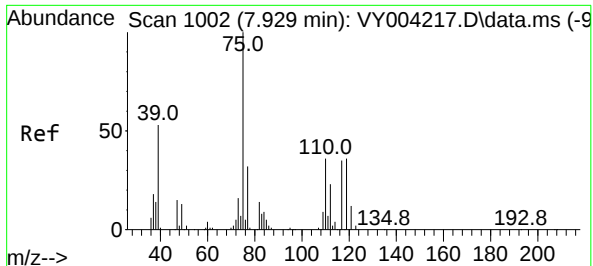
Tgt Ion:114 Resp: 413158
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 15.8 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.24 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion:113 Resp: 122553
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 20.0 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.14 ug/l

RT: 7.801 min Scan# 981

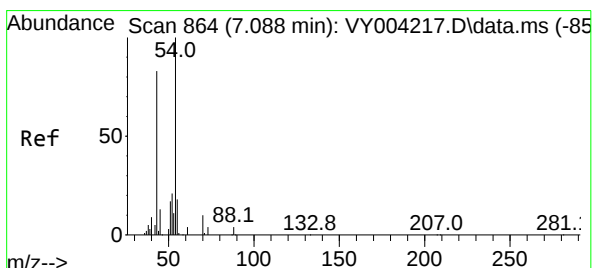
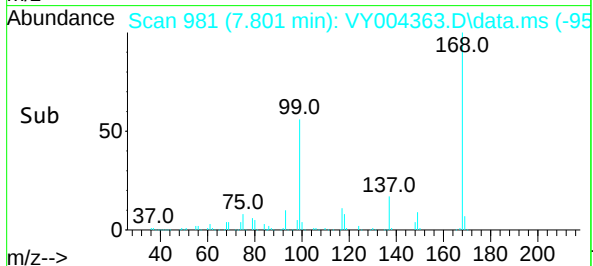
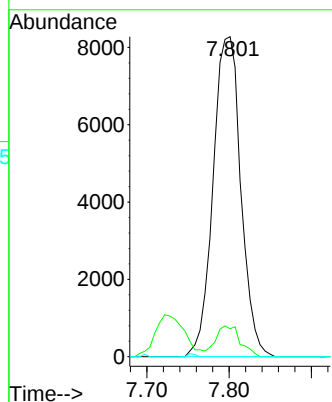
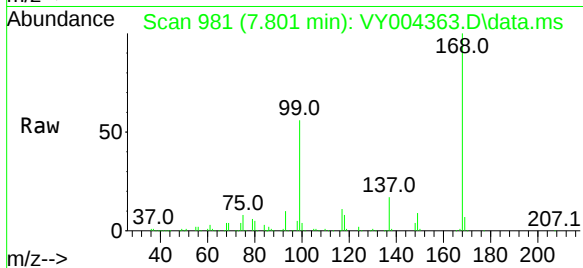
Delta R.T. -0.128 min

Lab File: VY004363.D

Acq: 09 Apr 2021 17:19

Tgt Ion:	75	Resp:	19377
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	25.1	37.7#

Instrument :
MSVOA_Y
ClientSampleId :
SB2-A



#37

Ethyl Acetate

Concen: 4.13 ug/l

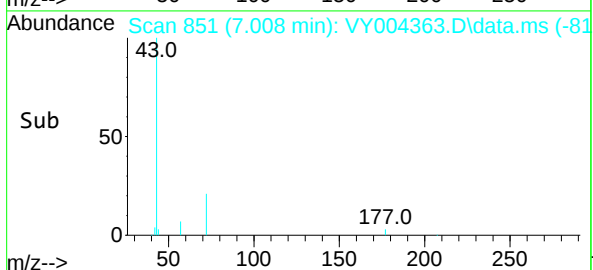
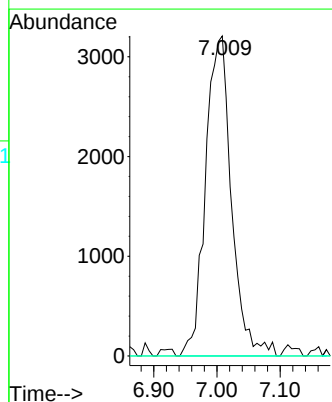
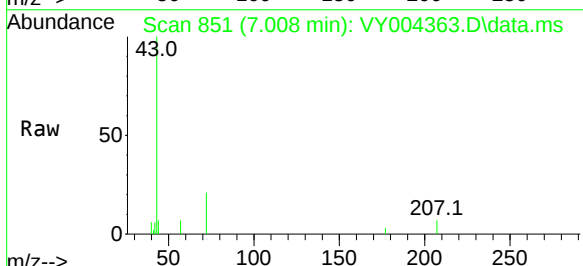
RT: 7.008 min Scan# 851

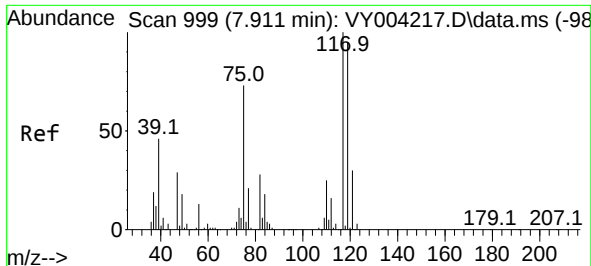
Delta R.T. -0.079 min

Lab File: VY004363.D

Acq: 09 Apr 2021 17:19

Tgt Ion:	43	Resp:	9136
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.0	8.0	12.0#

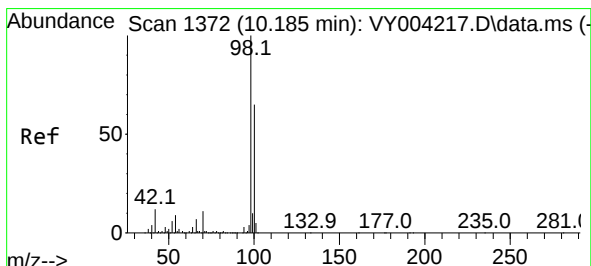
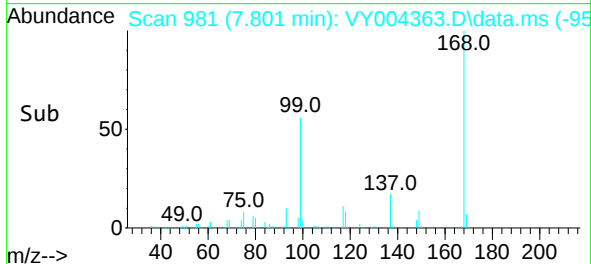
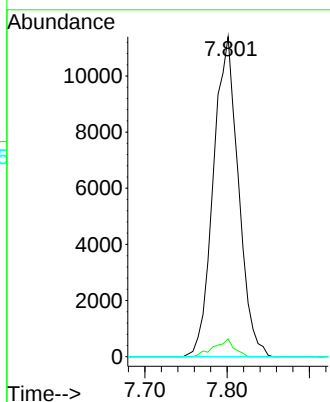
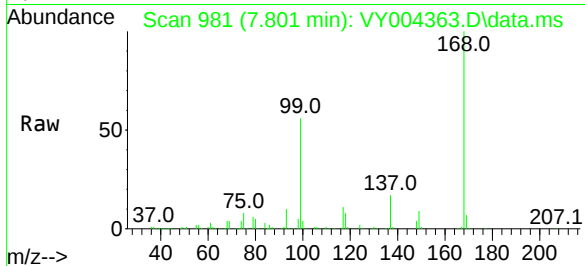




#38
Carbon Tetrachloride
Concen: 7.35 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

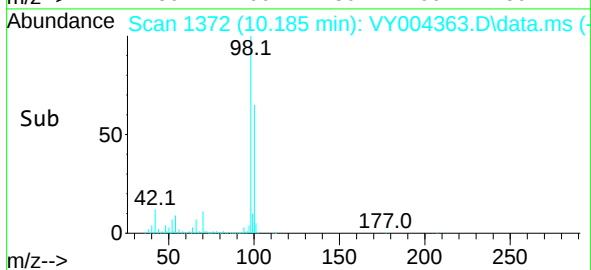
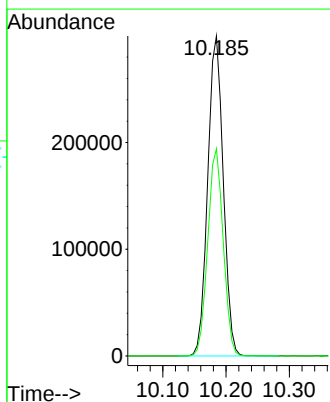
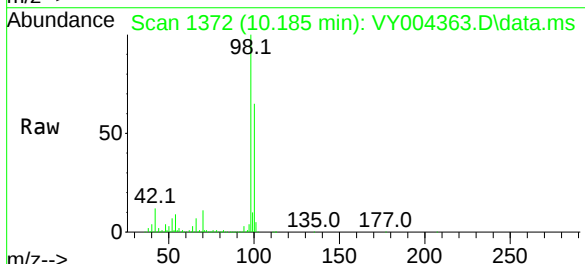
Instrument :
MSVOA_Y
ClientSampleId :
SB2-A

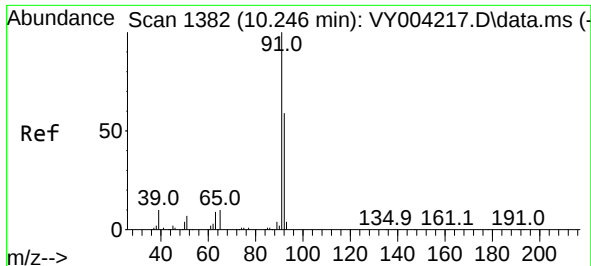
Tgt Ion:117 Resp: 24115
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 59.07 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 98 Resp: 511431
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7

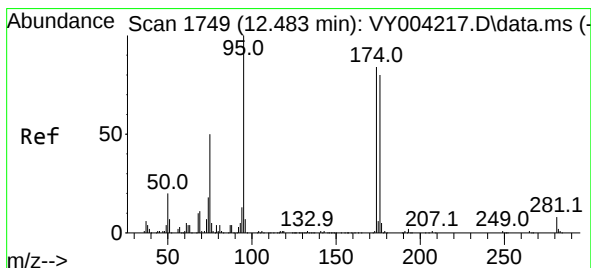
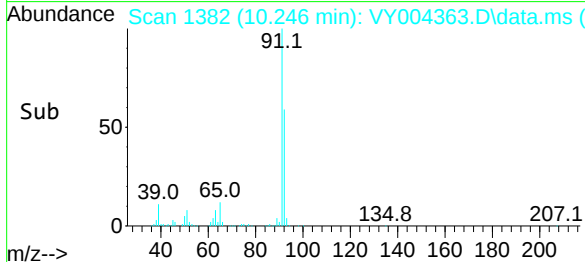
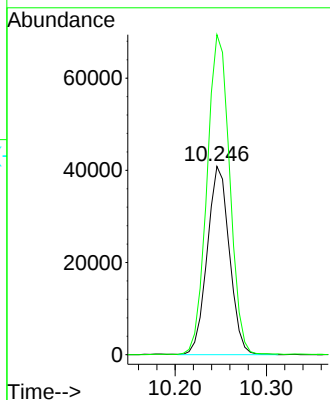
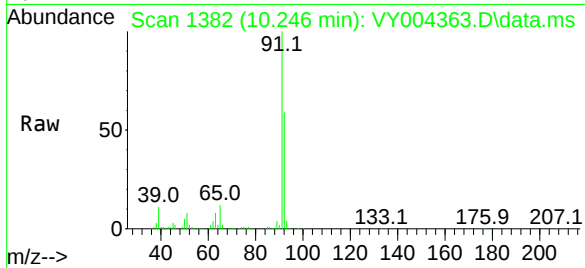




#52
Toluene
Concen: 10.02 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

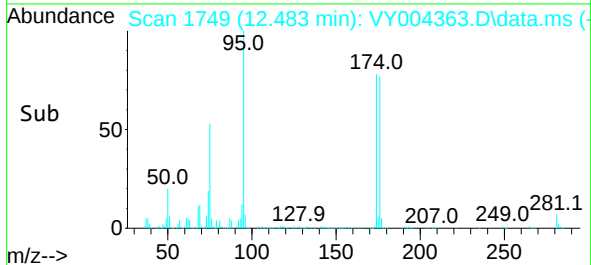
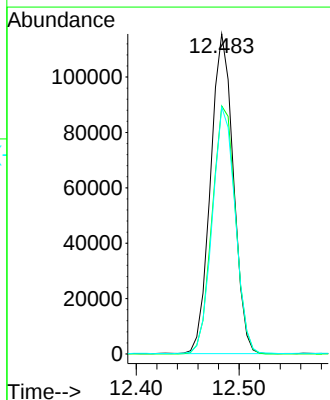
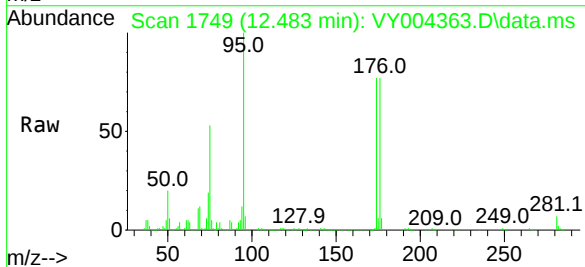
Instrument :
MSVOA_Y
ClientSampled :
SB2-A

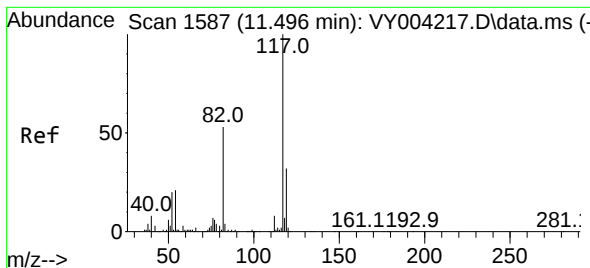
Tgt Ion: 92 Resp: 68839
Ion Ratio Lower Upper
92 100
91 173.4 136.0 204.0



#62
4-Bromofluorobenzene
Concen: 59.93 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 95 Resp: 177845
Ion Ratio Lower Upper
95 100
174 79.3 0.0 171.4
176 77.5 0.0 165.6

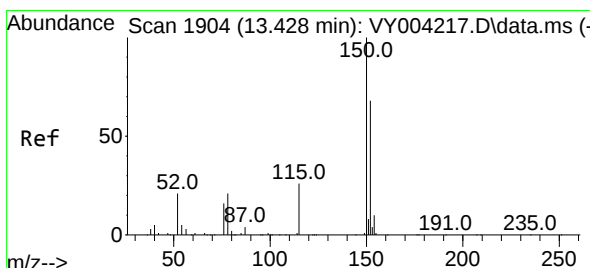
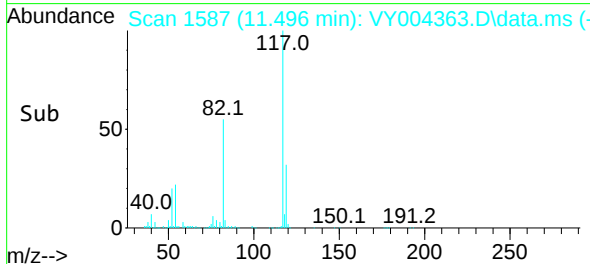
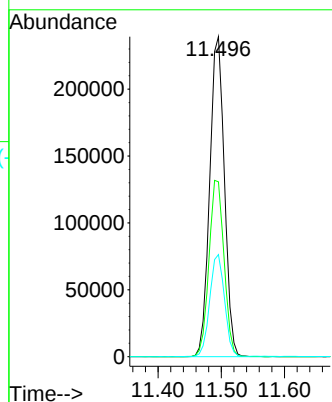
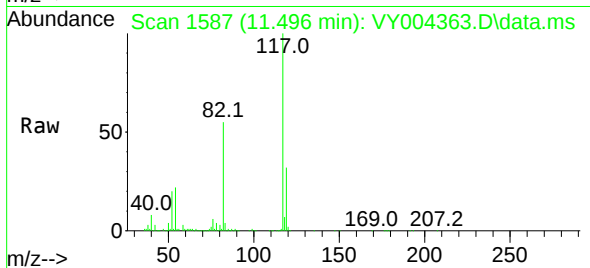




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

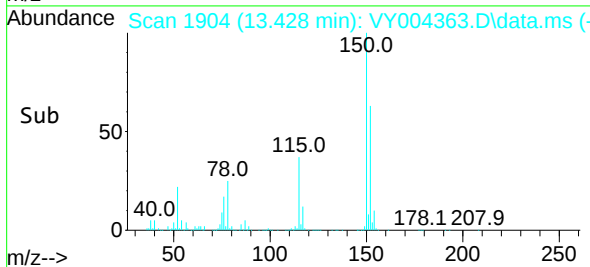
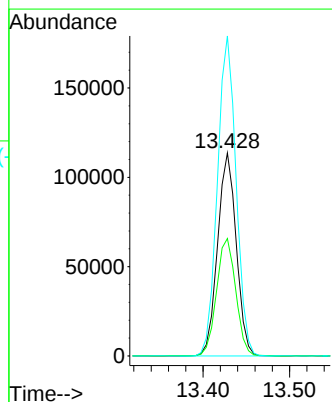
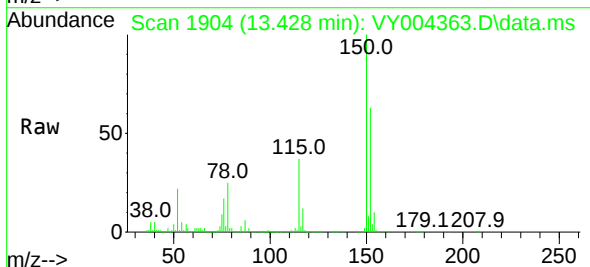
Instrument :
MSVOA_Y
ClientSampleId :
SB2-A

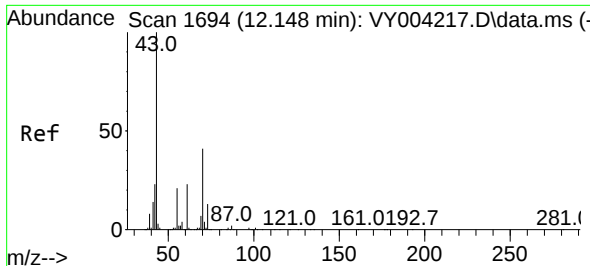
Tgt Ion:117 Resp: 387318
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion:152 Resp: 170011
Ion Ratio Lower Upper
152 100
115 59.7 29.0 87.1
150 157.6 0.0 347.4

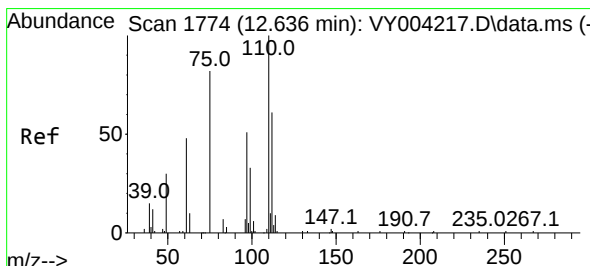
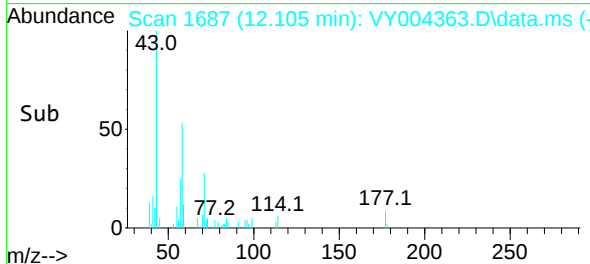
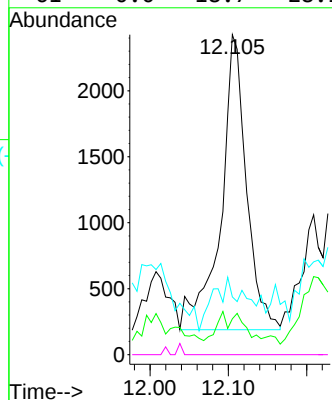
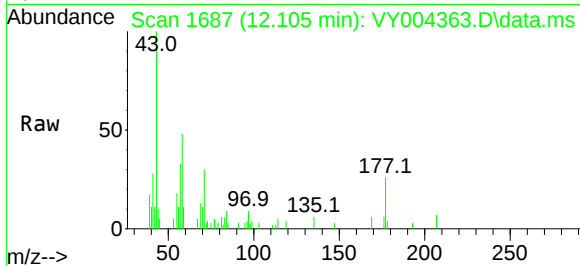




#74
N-amy1 acetate
Concen: 1.40 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

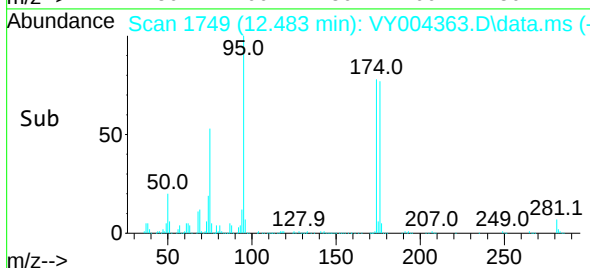
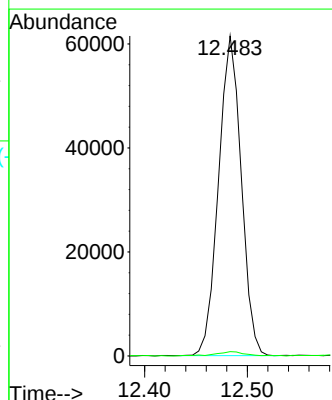
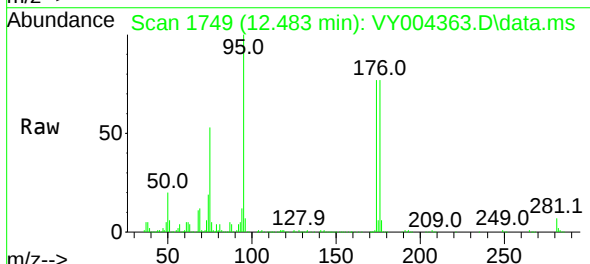
Instrument :
MSVOA_Y
ClientSampleId :
SB2-A

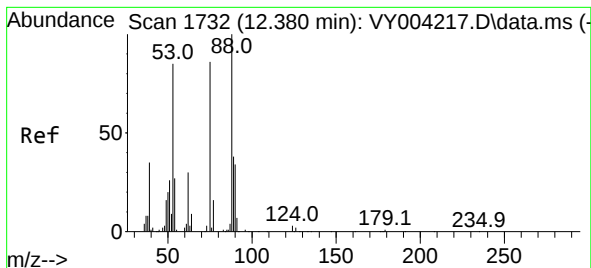
Tgt Ion: 43	Resp: 5068
Ion Ratio	Lower Upper
43 100	
70 3.8	32.6 49.0#
55 8.5	18.0 27.0#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 60.98 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 75	Resp: 94141
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

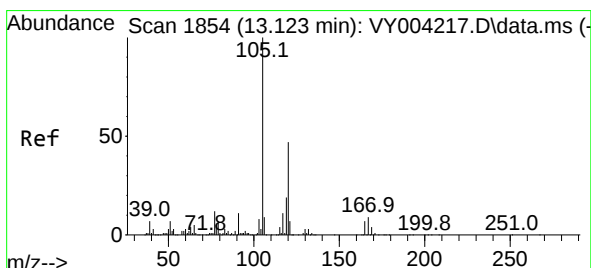
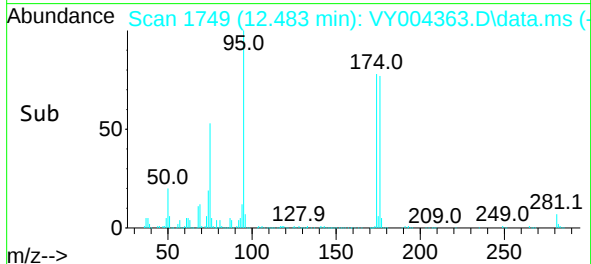
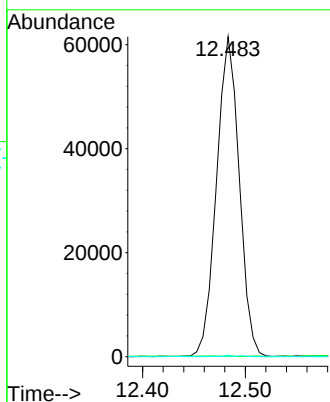
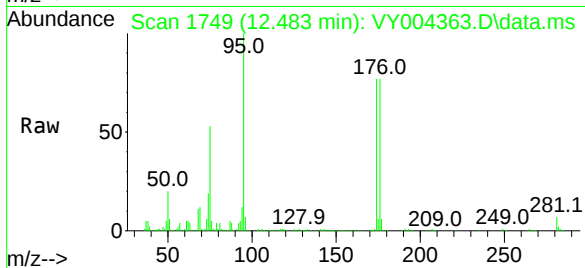




#81
trans-1,4-Dichloro-2-butene
Concen: 112.39 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

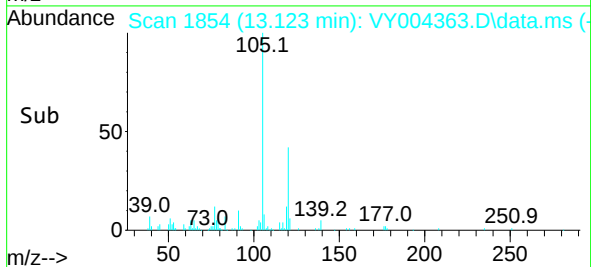
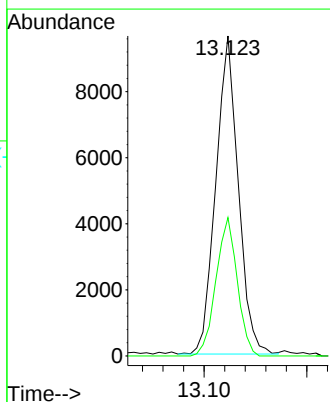
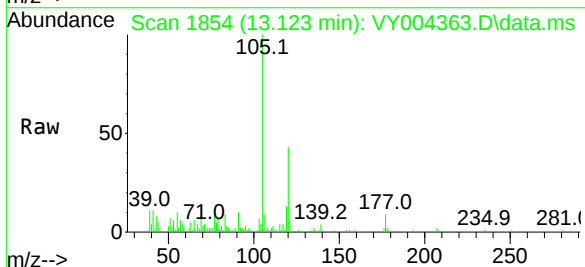
Instrument :
MSVOA_Y
ClientSampleId :
SB2-A

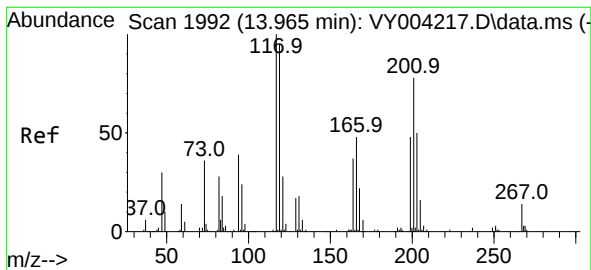
Tgt Ion: 75 Resp: 94141
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.3 39.4 59.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.44 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004363.D
Acq: 09 Apr 2021 17:19

Tgt Ion: 105 Resp: 14588
Ion Ratio Lower Upper
105 100
120 41.1 22.9 68.7





#90
 Hexachloroethane
 Concen: 7.78 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VY004363.D
 Acq: 09 Apr 2021 17:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-A

Tgt Ion:117 Resp: 574
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

