

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004364.D
 Acq On : 09 Apr 2021 17:42
 Operator : SY/MD
 Sample : M1967-07
 Misc : 3.73G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-B

Quant Time: Apr 10 02:05:17 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)

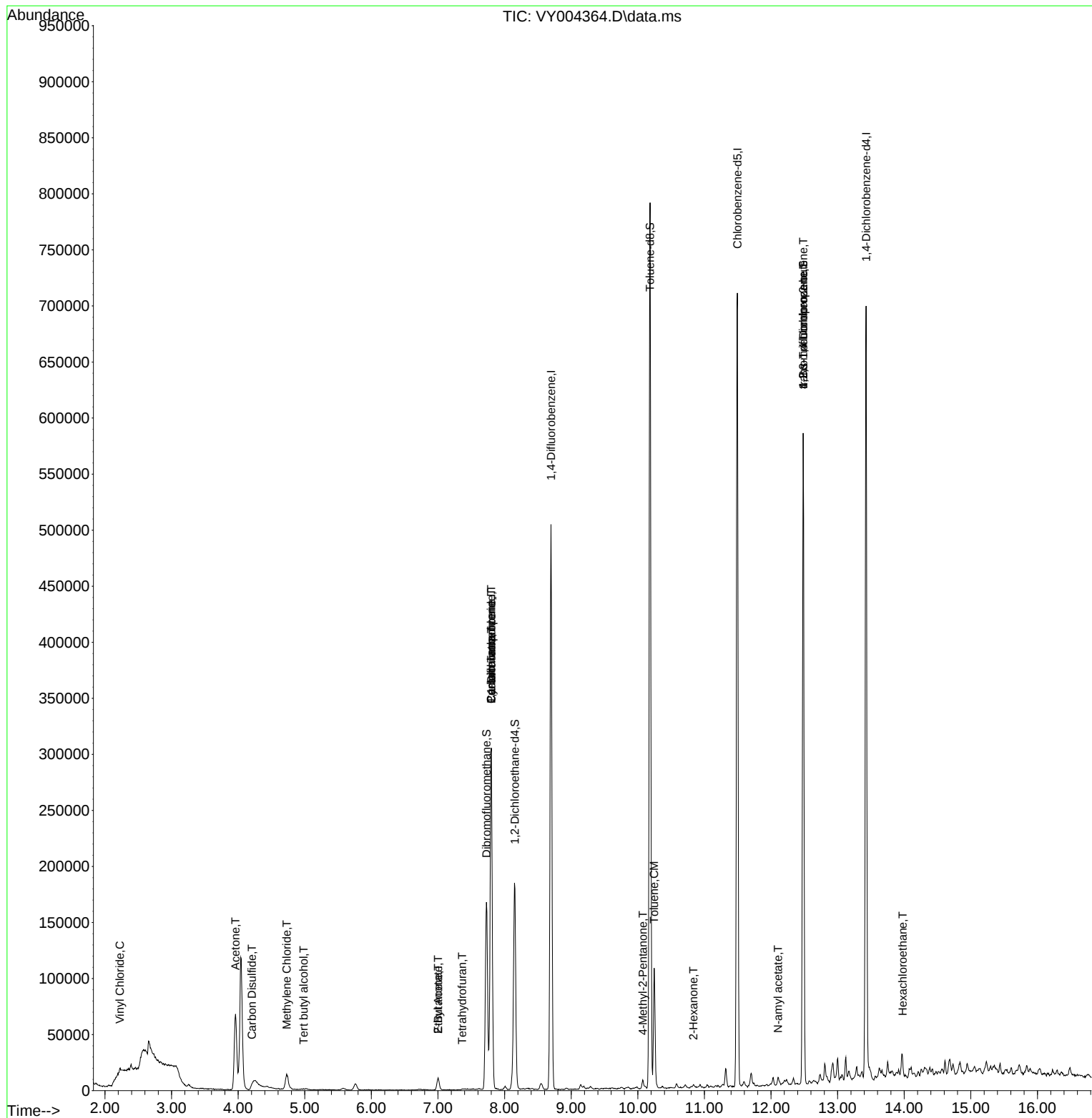
Internal Standards						
1) Pentafluorobenzene	7.801	168	231104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	402439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	376197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169241	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	140521	63.25	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.50%			
35) Dibromofluoromethane	7.728	113	117463	52.38	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.76%			
50) Toluene-d8	10.185	98	499511	59.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 118.46%			
62) 4-Bromofluorobenzene	12.483	95	169725	58.72	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.44%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.223	62	9483	3.15	ug/l #	42
11) Tert butyl alcohol	4.984	59	1380	7.63	ug/l #	83
13) Acrolein	3.753	56	353	Below Cal	#	73
16) Acetone	3.960	43	120949	261.31	ug/l	98
17) Carbon Disulfide	4.204	76	5921	1.08	ug/l	96
20) Methylene Chloride	4.728	84	8938	1.50	ug/l	91
25) 2-Butanone	7.002	43	16992	21.98	ug/l	100
29) Tetrahydrofuran	7.362	42	546	1.00	ug/l #	48
31) Cyclohexane	7.801	56	6158	1.57	ug/l #	12
36) 1,1-Dichloropropene	7.801	75	18568	5.05	ug/l #	49
37) Ethyl Acetate	7.002	43	16992	7.88	ug/l #	74
38) Carbon Tetrachloride	7.801	117	23062	7.22	ug/l #	16
49) 1,4-Dioxane	9.307	88	49	Below Cal	#	29
51) 4-Methyl-2-Pentanone	10.075	43	4563	2.19	ug/l	91
52) Toluene	10.246	92	42506	6.35	ug/l	98
59) 2-Hexanone	10.837	43	2355	1.65	ug/l	91
74) N-amyl acetate	12.105	43	4138	1.15	ug/l #	57
76) 1,2,3-Trichloropropane	12.483	75	92328	60.08	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	92328	110.73	ug/l #	10
90) Hexachloroethane	13.977	117	447	7.67	ug/l #	12

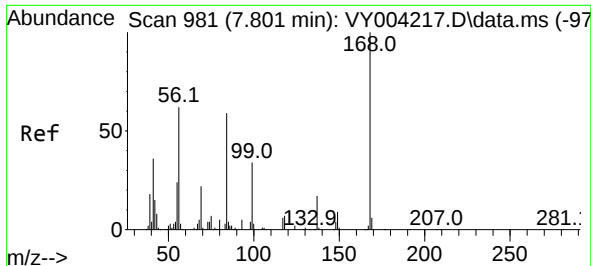
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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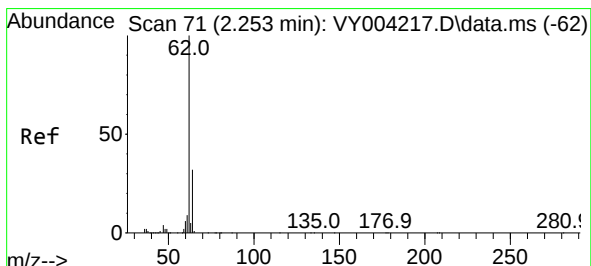
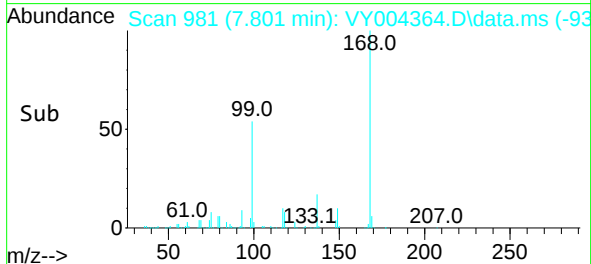
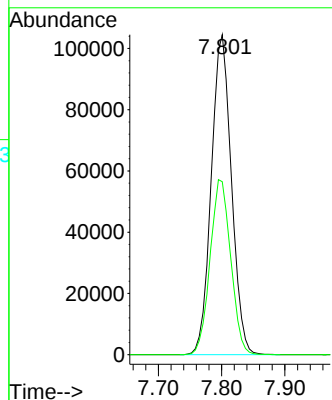
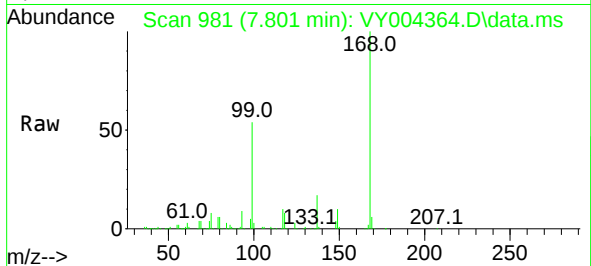




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

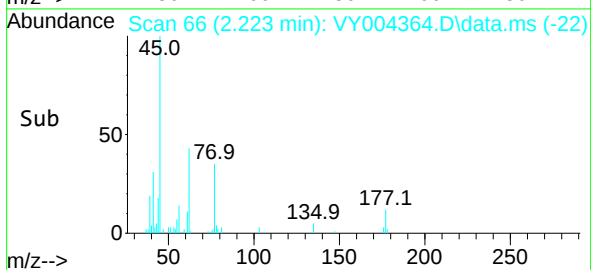
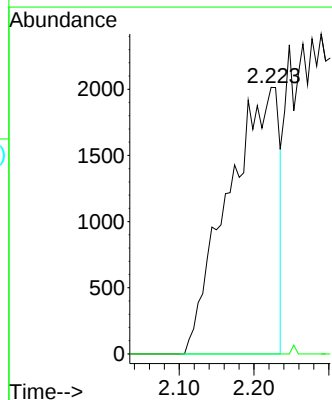
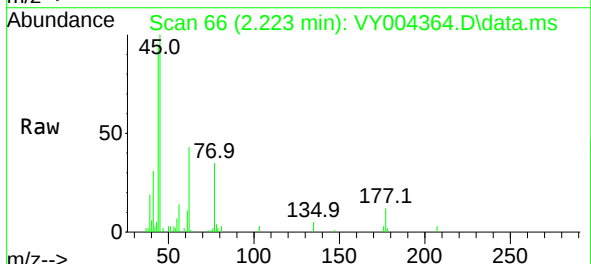
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

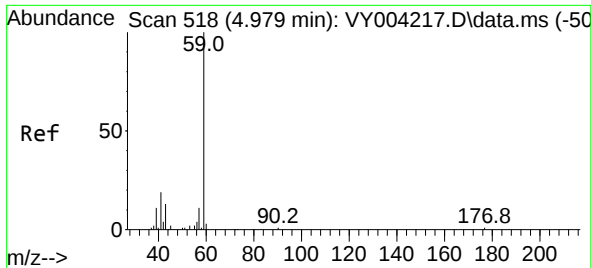
Tgt Ion:168 Resp: 231104
Ion Ratio Lower Upper
168 100
99 54.1 42.6 64.0



#4
Vinyl Chloride
Concen: 3.15 ug/l
RT: 2.223 min Scan# 66
Delta R.T. -0.031 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 62 Resp: 9483
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

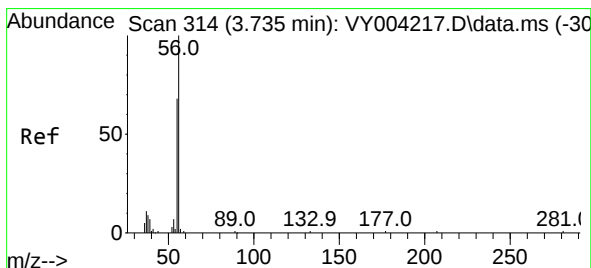
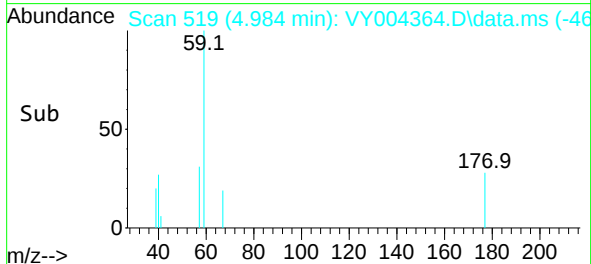
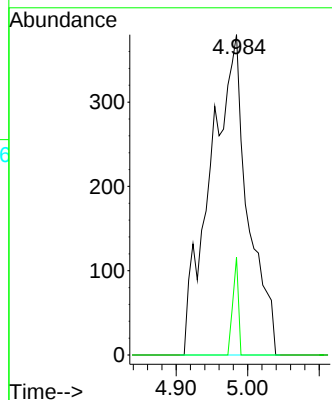
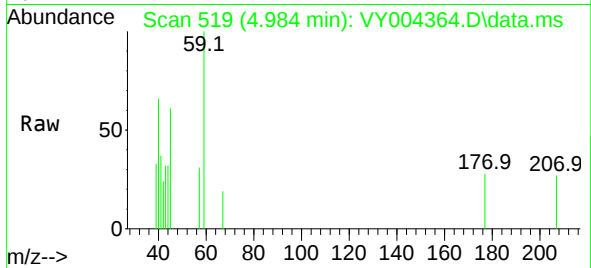




#11
Tert butyl alcohol
Concen: 7.63 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

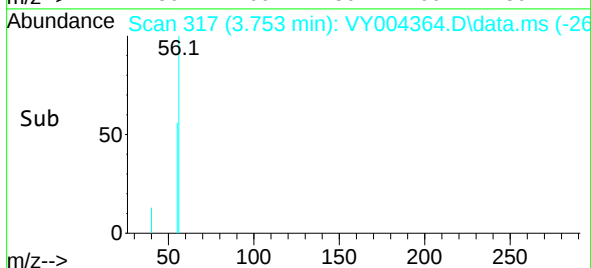
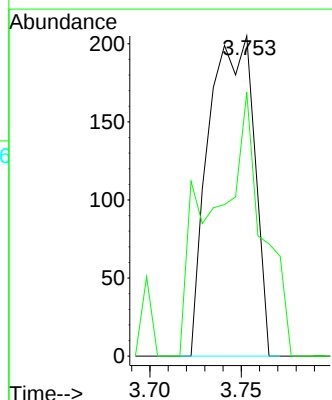
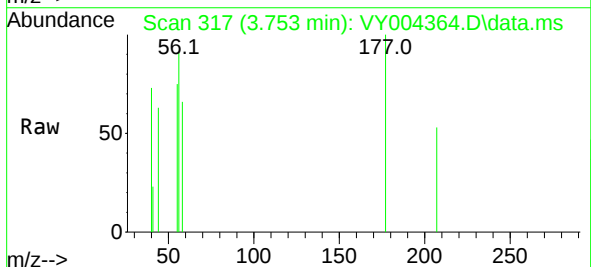
Instrument :
MSVOA_Y
ClientSampled :
SB2-B

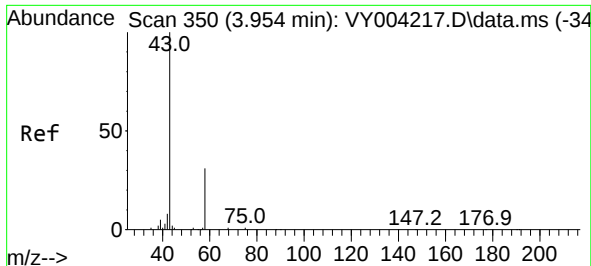
Tgt Ion: 59 Resp: 1380
Ion Ratio Lower Upper
59 100
57 4.6 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

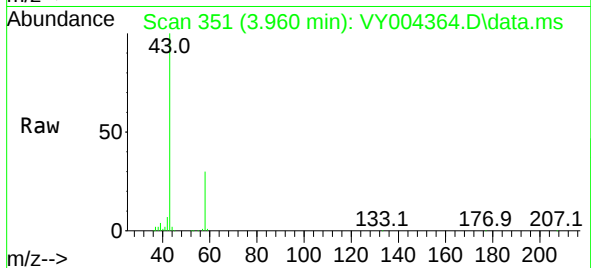
Tgt Ion: 56 Resp: 353
Ion Ratio Lower Upper
56 100
55 90.4 55.0 82.4#



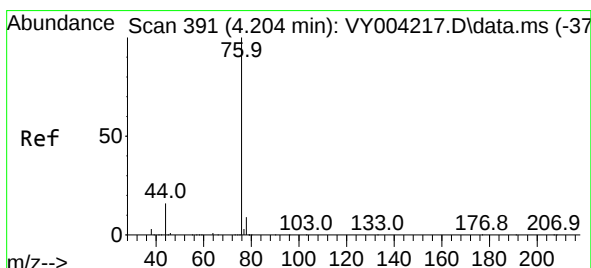
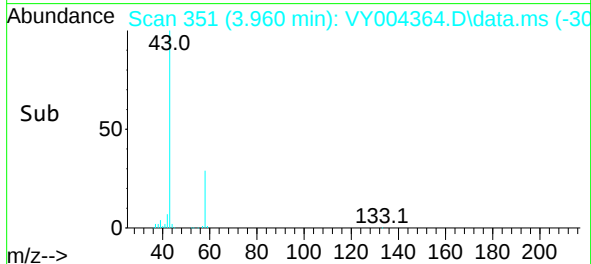
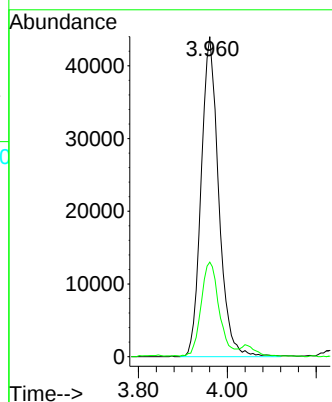


#16
Acetone
Concen: 261.31 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Instrument :
MSVOA_Y
ClientSampled :
SB2-B

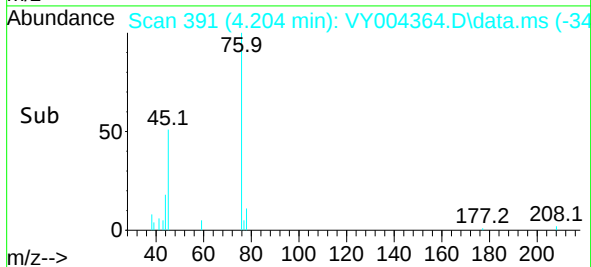
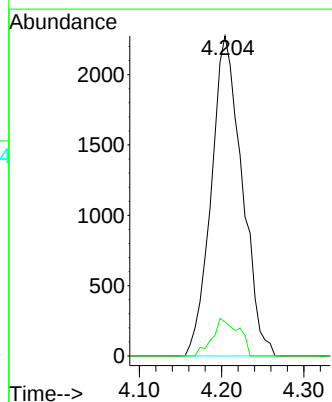
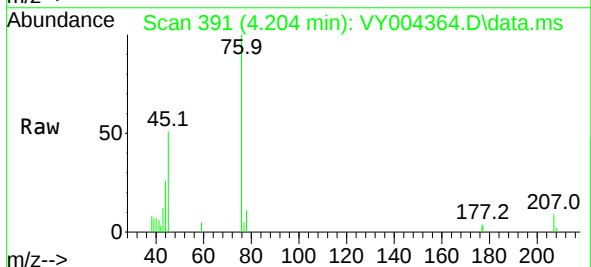


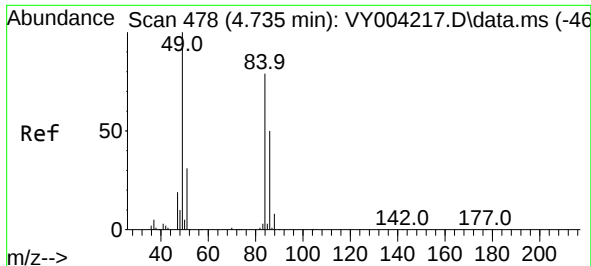
Tgt Ion: 43 Resp: 120949
Ion Ratio Lower Upper
43 100
58 29.3 24.5 36.7



#17
Carbon Disulfide
Concen: 1.08 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 76 Resp: 5921
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.2





#20

Methylene Chloride

Concen: 1.50 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.007 min

Lab File: VY004364.D

Acq: 09 Apr 2021 17:42

Instrument :

MSVOA_Y

ClientSampled :

SB2-B

Tgt Ion: 84 Resp: 8938

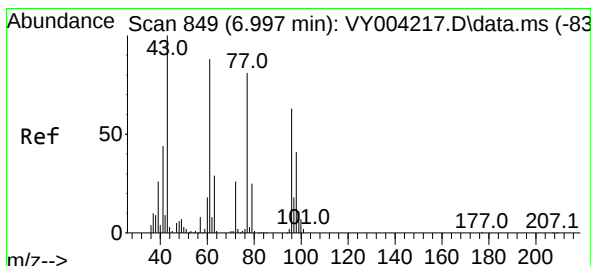
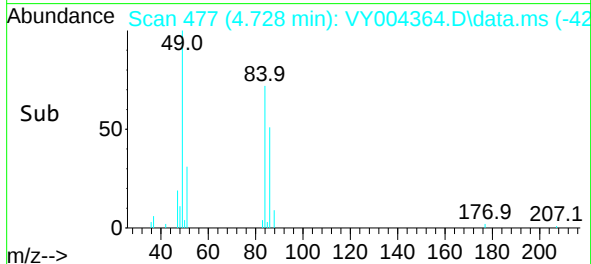
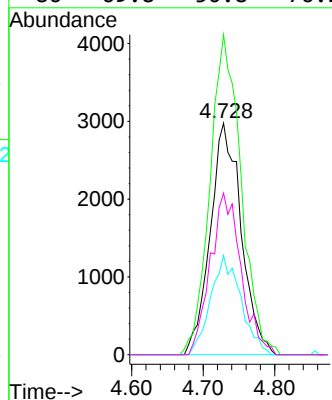
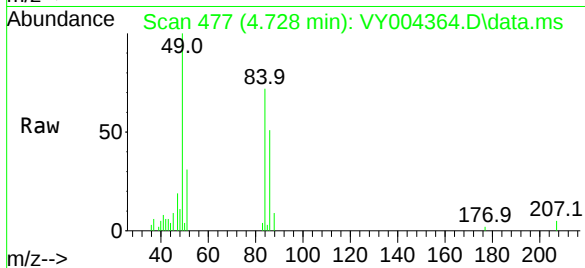
Ion Ratio Lower Upper

84 100

49 138.2 101.5 152.3

51 42.9 31.5 47.3

86 69.8 50.8 76.2



#25

2-Butanone

Concen: 21.98 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY004364.D

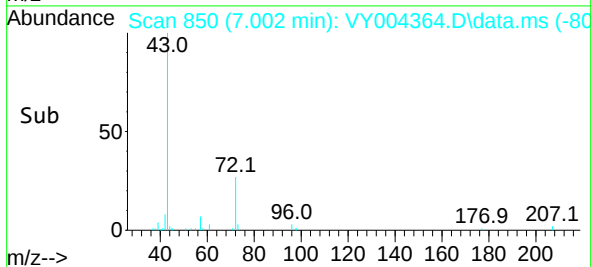
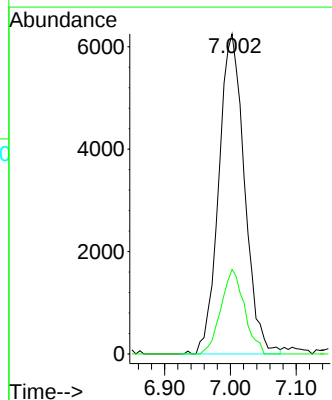
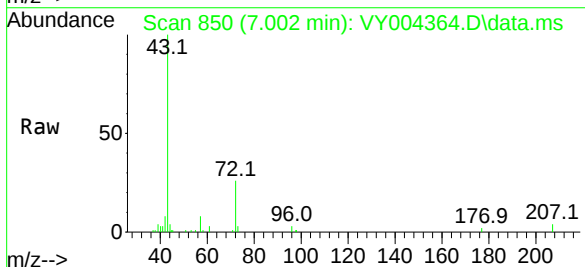
Acq: 09 Apr 2021 17:42

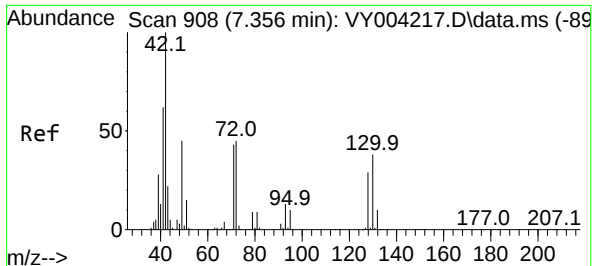
Tgt Ion: 43 Resp: 16992

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.6





#29

Tetrahydrofuran

Concen: 1.00 ug/l

RT: 7.362 min Scan# 909

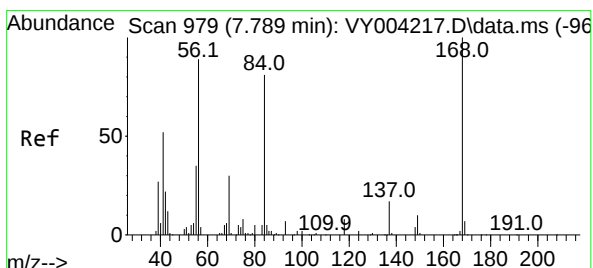
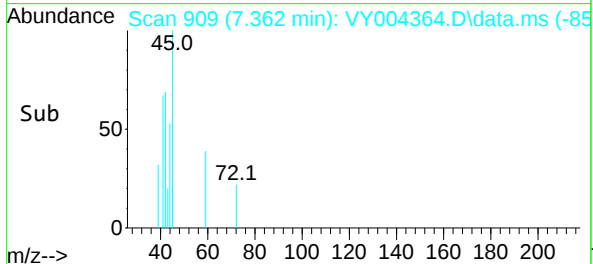
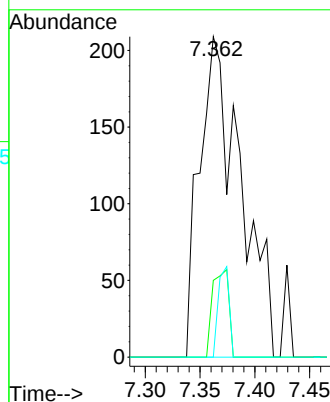
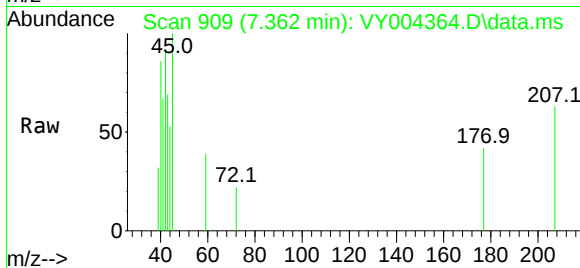
Delta R.T. 0.006 min

Lab File: VY004364.D

Acq: 09 Apr 2021 17:42

Instrument :
MSVOA_Y
ClientSampled :
SB2-B

Tgt Ion:	42	Resp:	546
Ion	Ratio	Lower	Upper
42	100		
72	10.8	35.1	52.7#
71	7.5	32.9	49.3#



#31

Cyclohexane

Concen: 1.57 ug/l

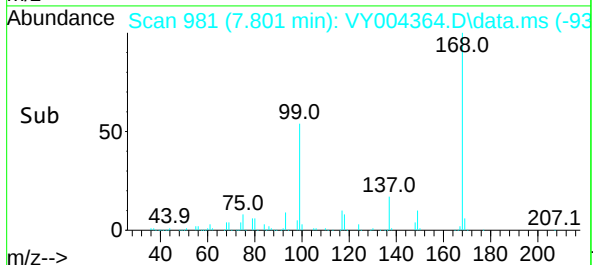
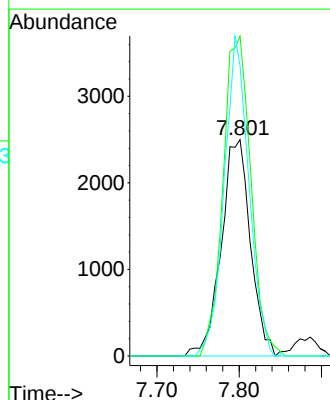
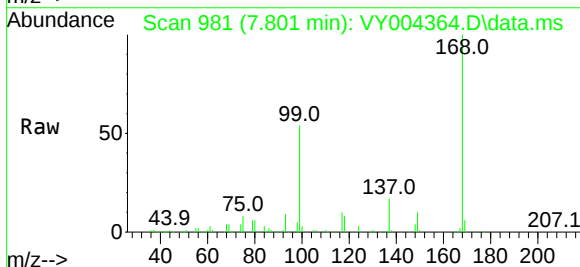
RT: 7.801 min Scan# 981

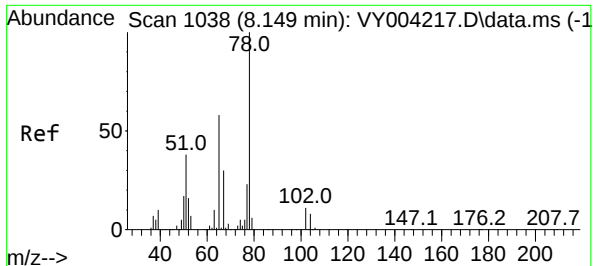
Delta R.T. 0.012 min

Lab File: VY004364.D

Acq: 09 Apr 2021 17:42

Tgt Ion:	56	Resp:	6158
Ion	Ratio	Lower	Upper
56	100		
69	147.8	26.6	40.0#
84	134.1	72.3	108.5#

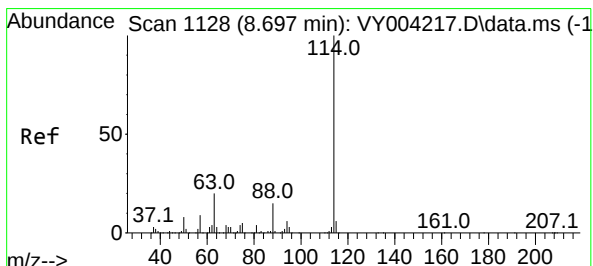
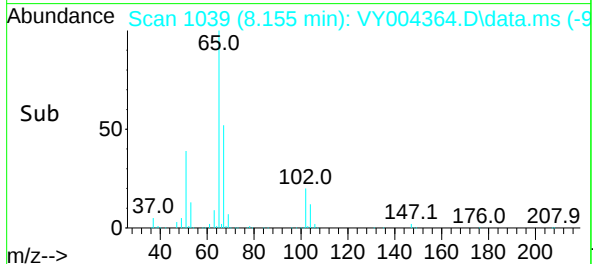
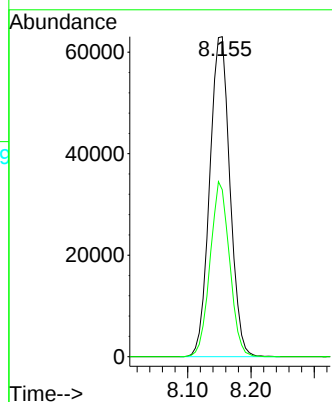
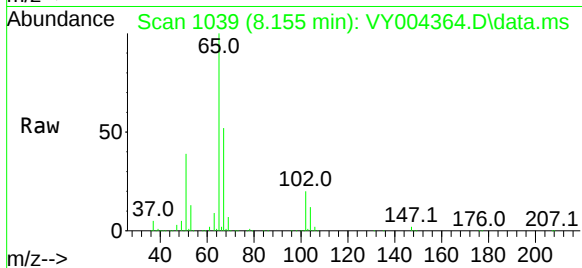




#33
1,2-Dichloroethane-d4
Concen: 63.25 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

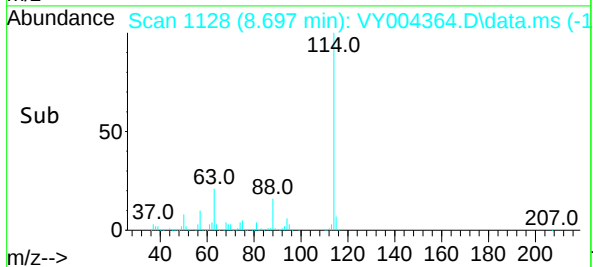
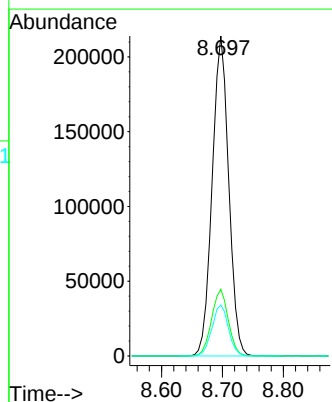
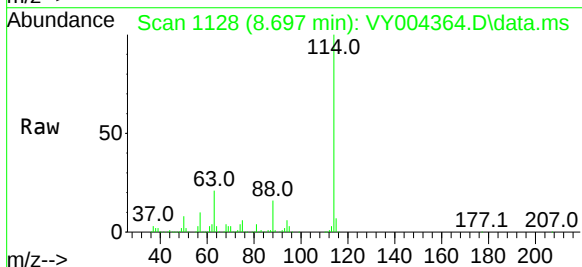
Instrument :
MSVOA_Y
ClientSampled :
SB2-B

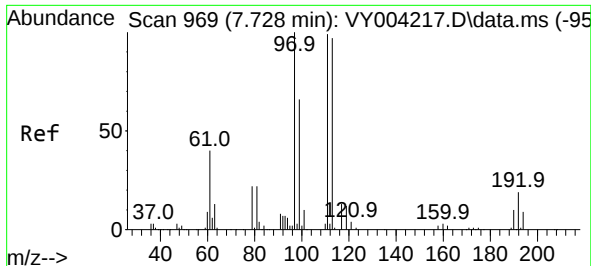
Tgt Ion: 65 Resp: 140521
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 114 Resp: 402439
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.4
88 16.0 0.0 30.8

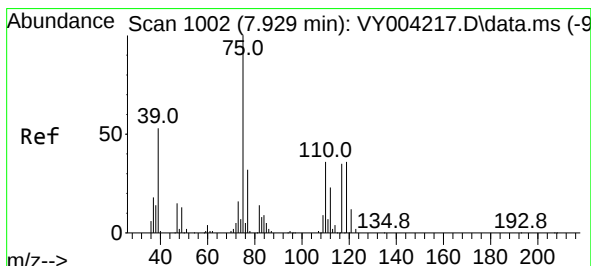
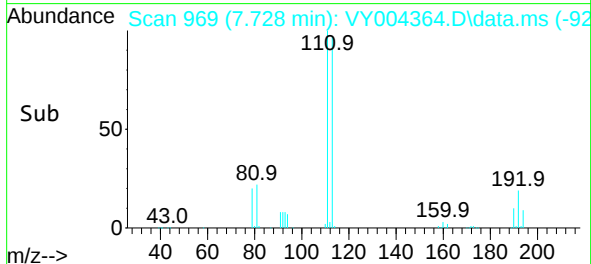
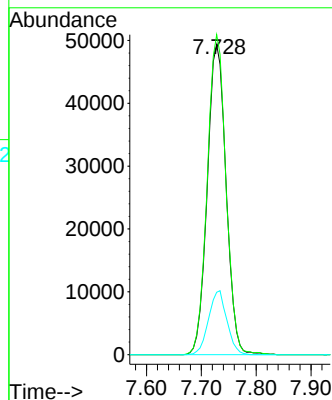
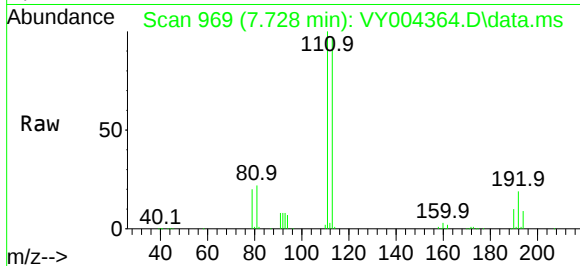




#35
Dibromofluoromethane
Concen: 52.38 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

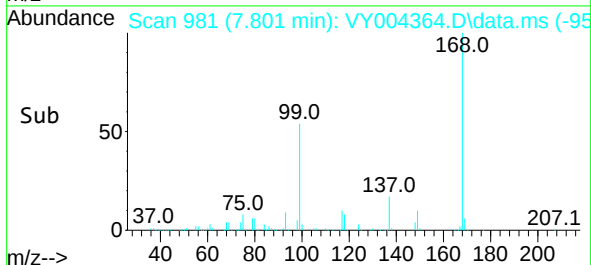
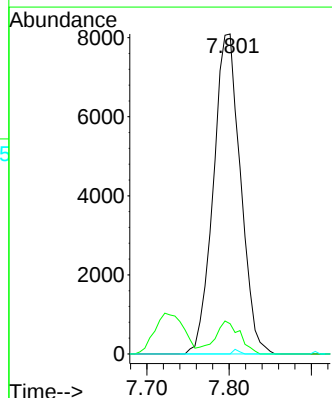
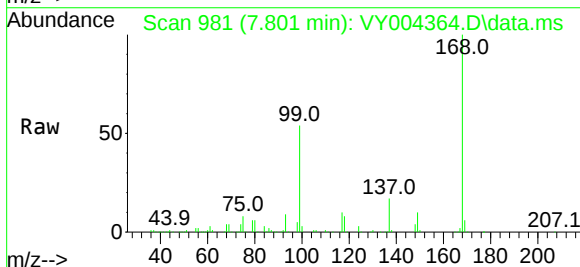
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

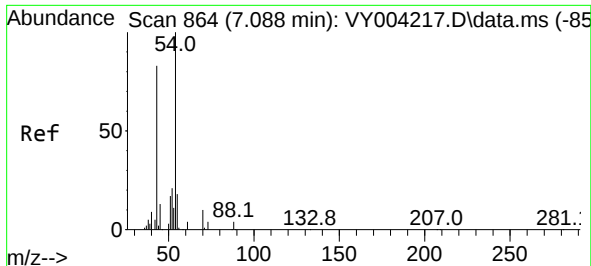
Tgt Ion:113 Resp: 117463
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.0 16.4 24.6



#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 75 Resp: 18568
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.3#
77 0.3 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.88 ug/l

RT: 7.002 min Scan# 850

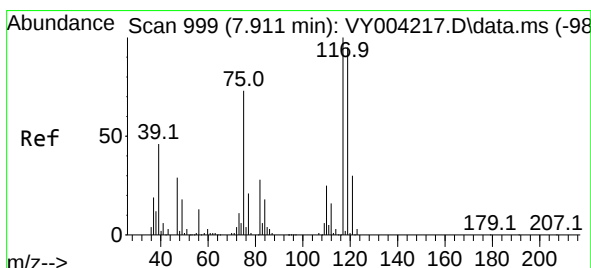
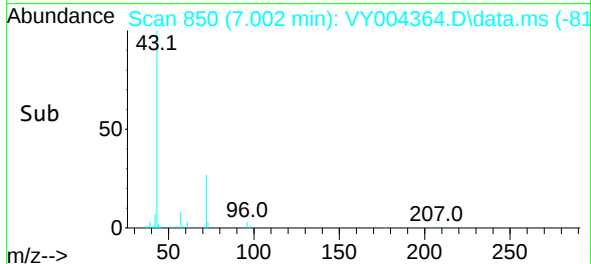
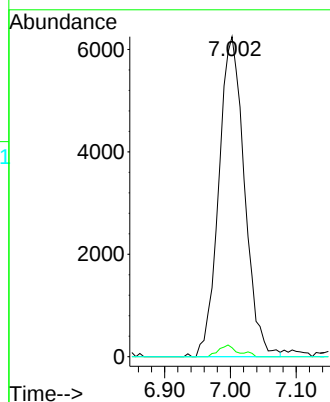
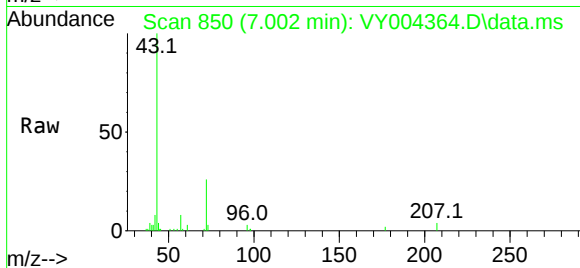
Delta R.T. -0.086 min

Lab File: VY004364.D

Acq: 09 Apr 2021 17:42

Tgt Ion:	43	Resp:	16992
Ion	Ratio	Lower	Upper
43	100		
61	2.7	10.2	15.2#
70	0.0	8.0	12.0#

Instrument :
MSVOA_Y
ClientSampleId :
SB2-B



#38

Carbon Tetrachloride

Concen: 7.22 ug/l

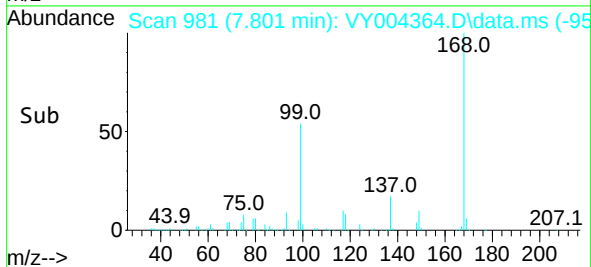
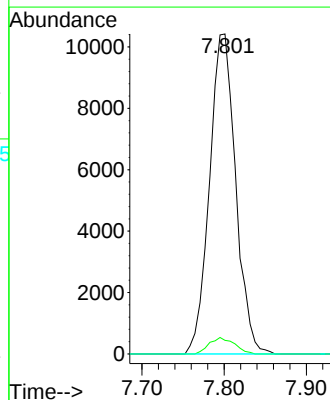
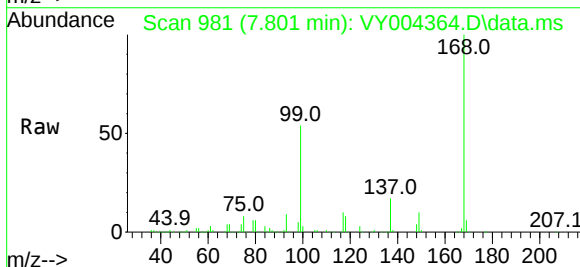
RT: 7.801 min Scan# 981

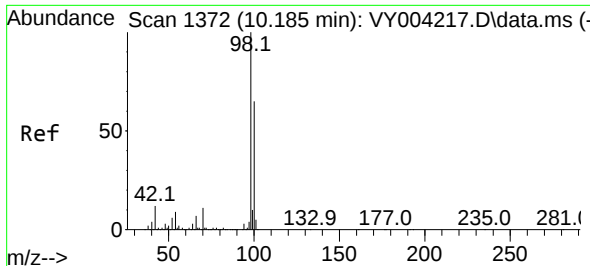
Delta R.T. -0.110 min

Lab File: VY004364.D

Acq: 09 Apr 2021 17:42

Tgt Ion:	117	Resp:	23062
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.6	113.4#
121	0.0	24.3	36.5#

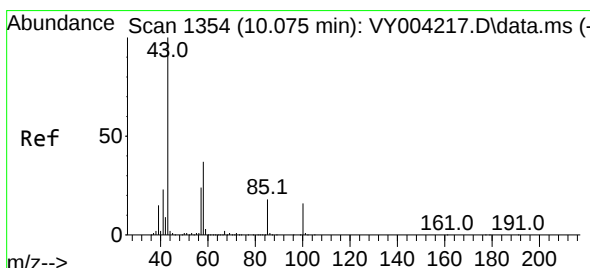
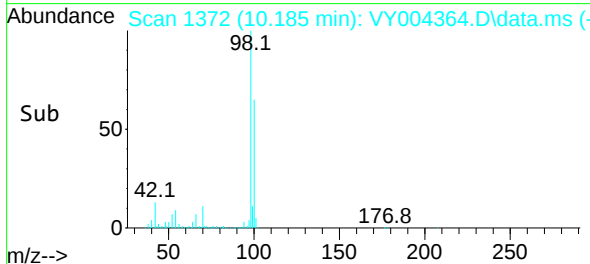
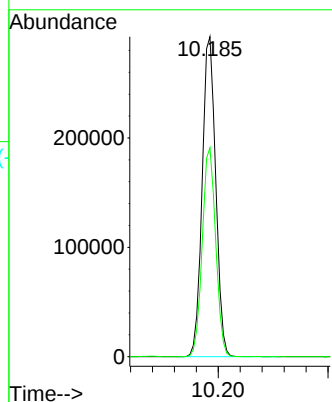
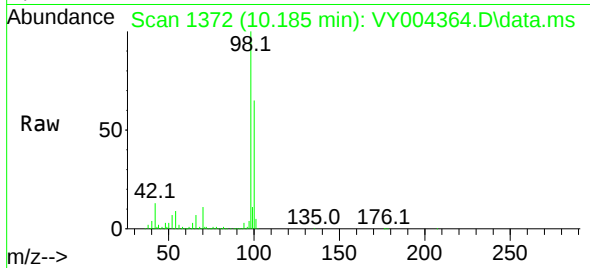




#50
Toluene-d8
Concen: 59.23 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

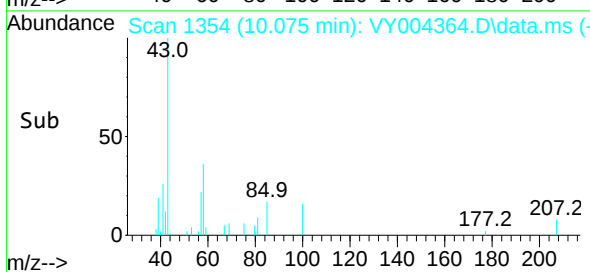
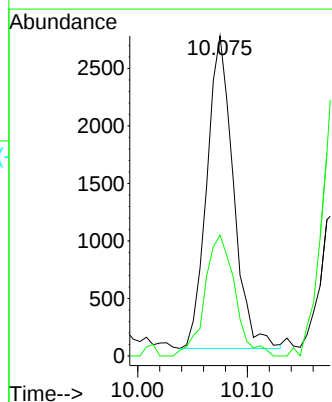
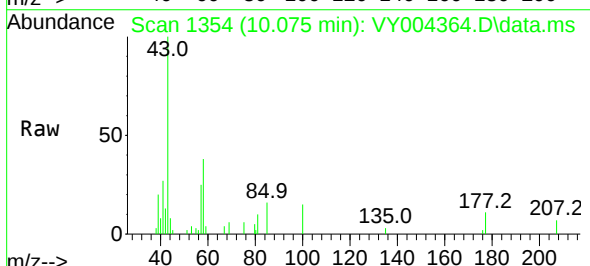
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

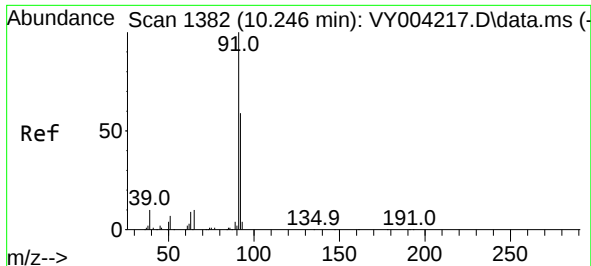
Tgt Ion: 98 Resp: 499511
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 2.19 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 43 Resp: 4563
Ion Ratio Lower Upper
43 100
58 43.8 30.6 45.8

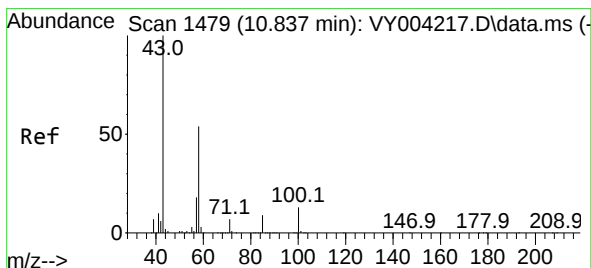
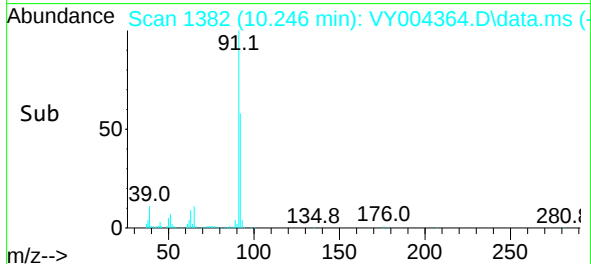
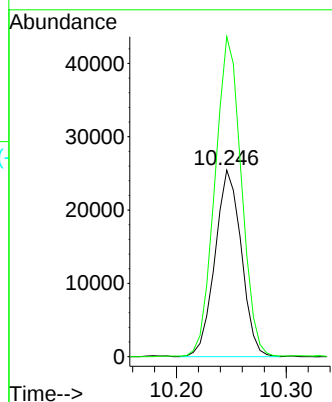
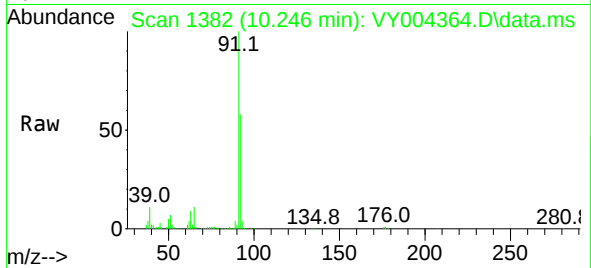




#52
Toluene
Concen: 6.35 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

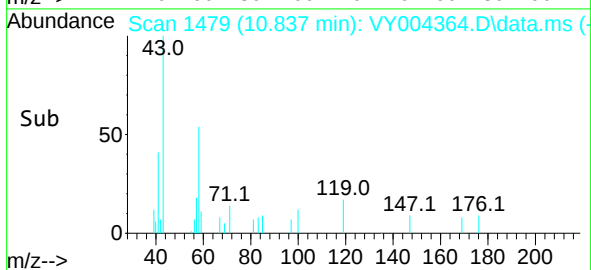
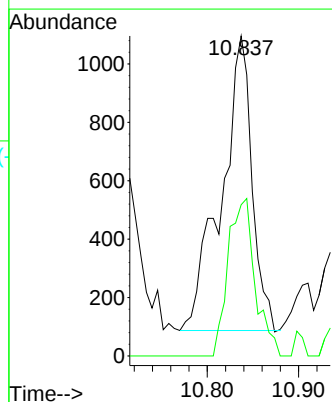
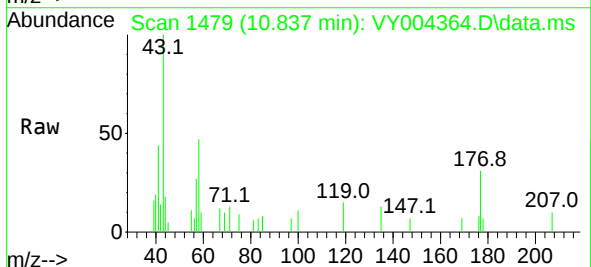
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

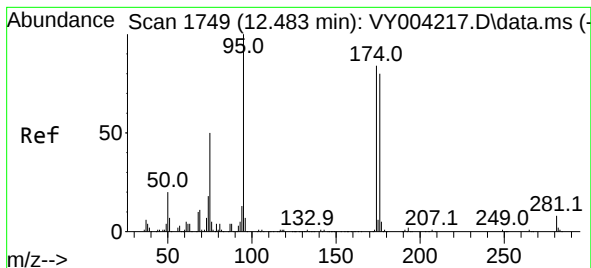
Tgt Ion: 92 Resp: 42506
Ion Ratio Lower Upper
92 100
91 172.9 136.0 204.0



#59
2-Hexanone
Concen: 1.65 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
58 46.8 26.7 80.1

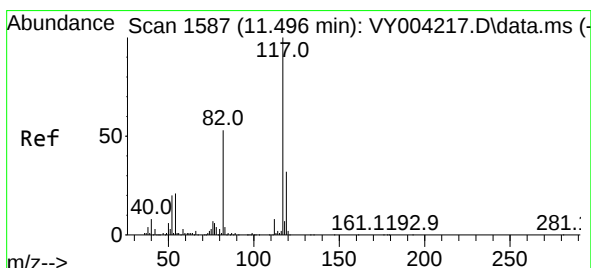
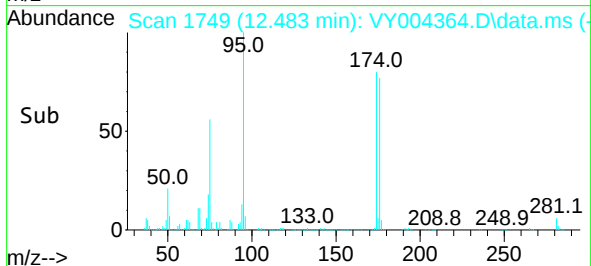
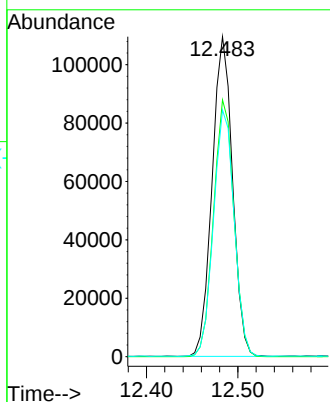
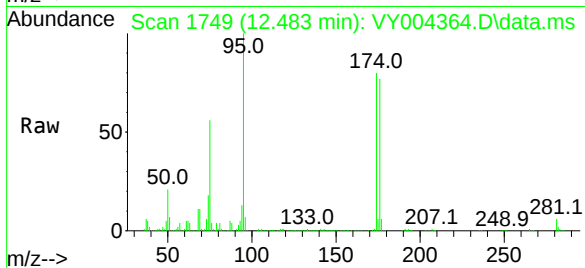




#62
4-Bromofluorobenzene
Concen: 58.72 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

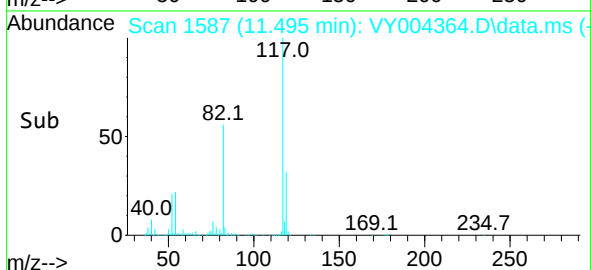
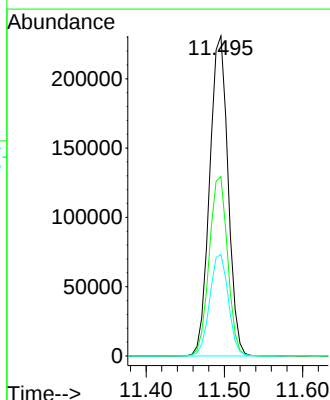
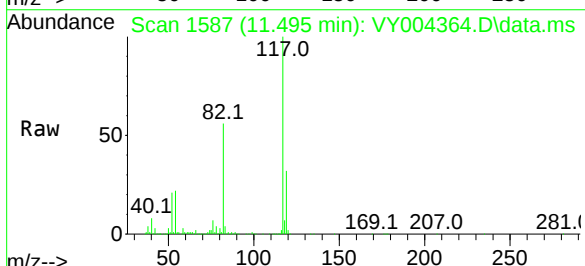
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

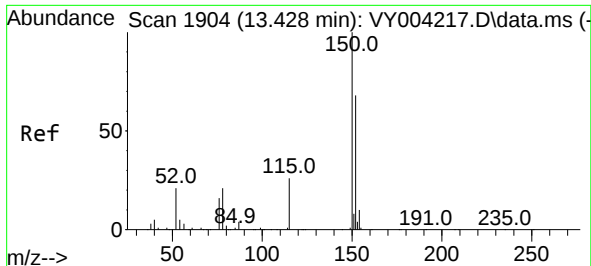
Tgt Ion: 95 Resp: 169725
Ion Ratio Lower Upper
95 100
174 80.3 0.0 171.4
176 78.0 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 117 Resp: 376197
Ion Ratio Lower Upper
117 100
82 56.0 42.7 64.1
119 31.6 25.7 38.5

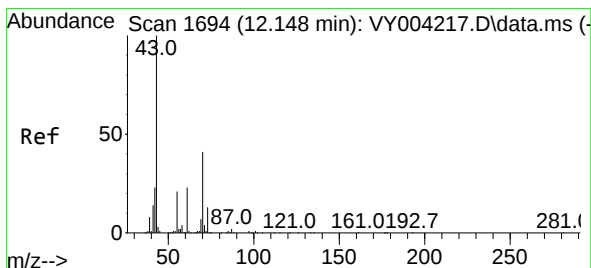
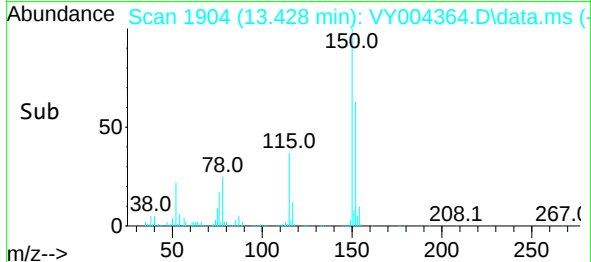
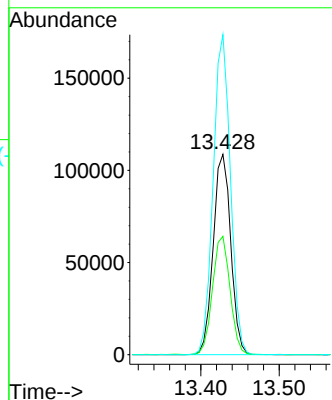
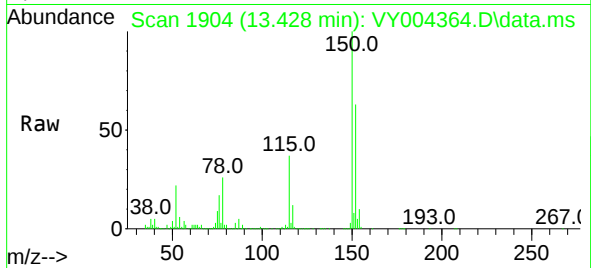




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

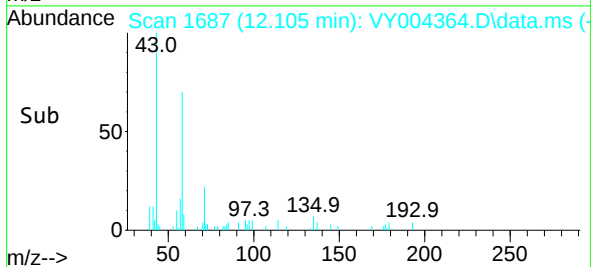
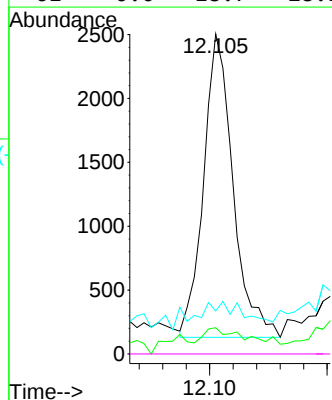
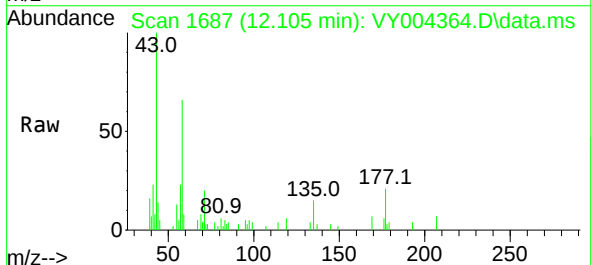
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

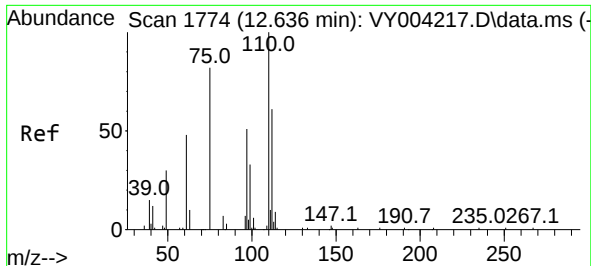
Tgt Ion:152 Resp: 169241
Ion Ratio Lower Upper
152 100
115 58.9 29.0 87.1
150 156.7 0.0 347.4



#74
N-ethyl acetate
Concen: 1.15 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 43 Resp: 4138
Ion Ratio Lower Upper
43 100
70 11.1 32.6 49.0#
55 7.4 18.0 27.0#
61 0.0 18.7 28.1#

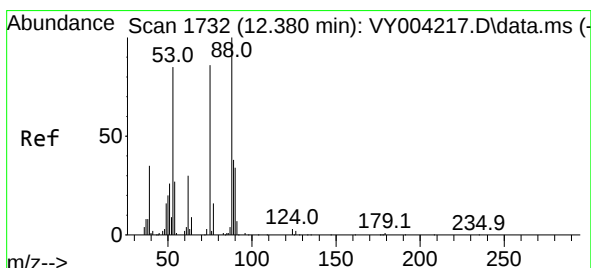
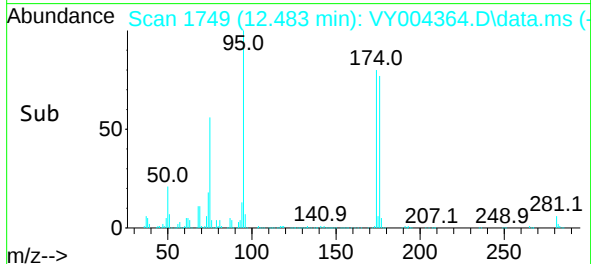
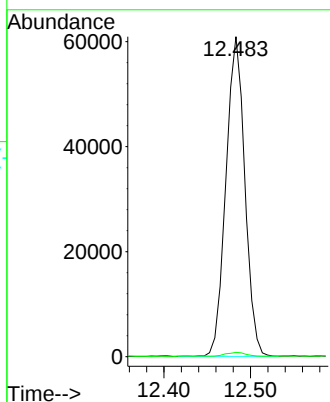
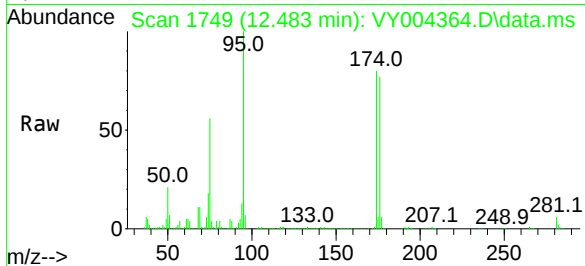




#76
1,2,3-Trichloropropane
Concen: 60.08 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

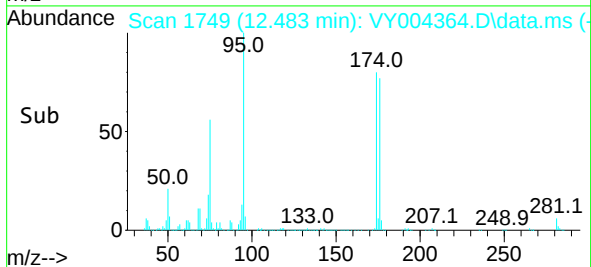
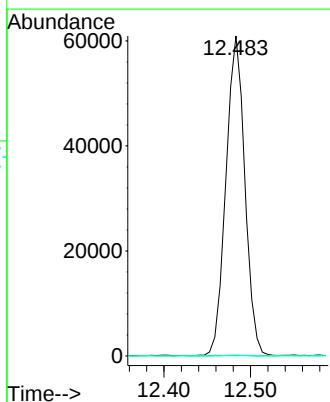
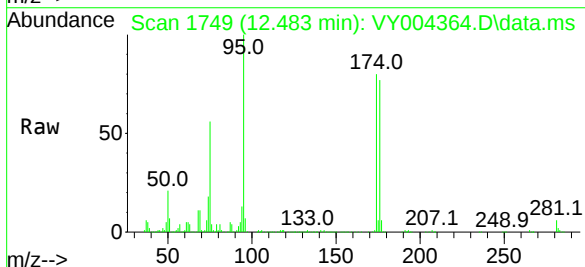
Instrument :
MSVOA_Y
ClientSampleId :
SB2-B

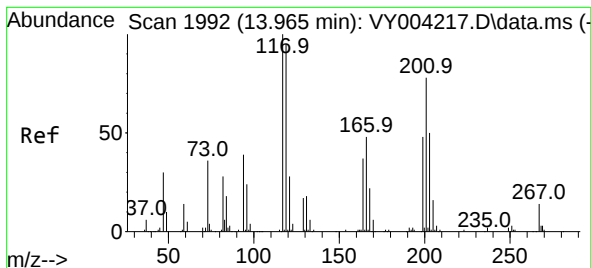
Tgt Ion: 75 Resp: 92328
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.73 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004364.D
Acq: 09 Apr 2021 17:42

Tgt Ion: 75 Resp: 92328
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.3 39.4 59.2#





#90
 Hexachloroethane
 Concen: 7.67 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY004364.D
 Acq: 09 Apr 2021 17:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-B

Tgt Ion:117 Resp: 447
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

