

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004260.D
 Acq On : 02 Apr 2021 14:15
 Operator : SY/MD
 Sample : M1889-01
 Misc : 9.87g/5mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5-(0-4)

Quant Time: Apr 02 23:00:06 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)

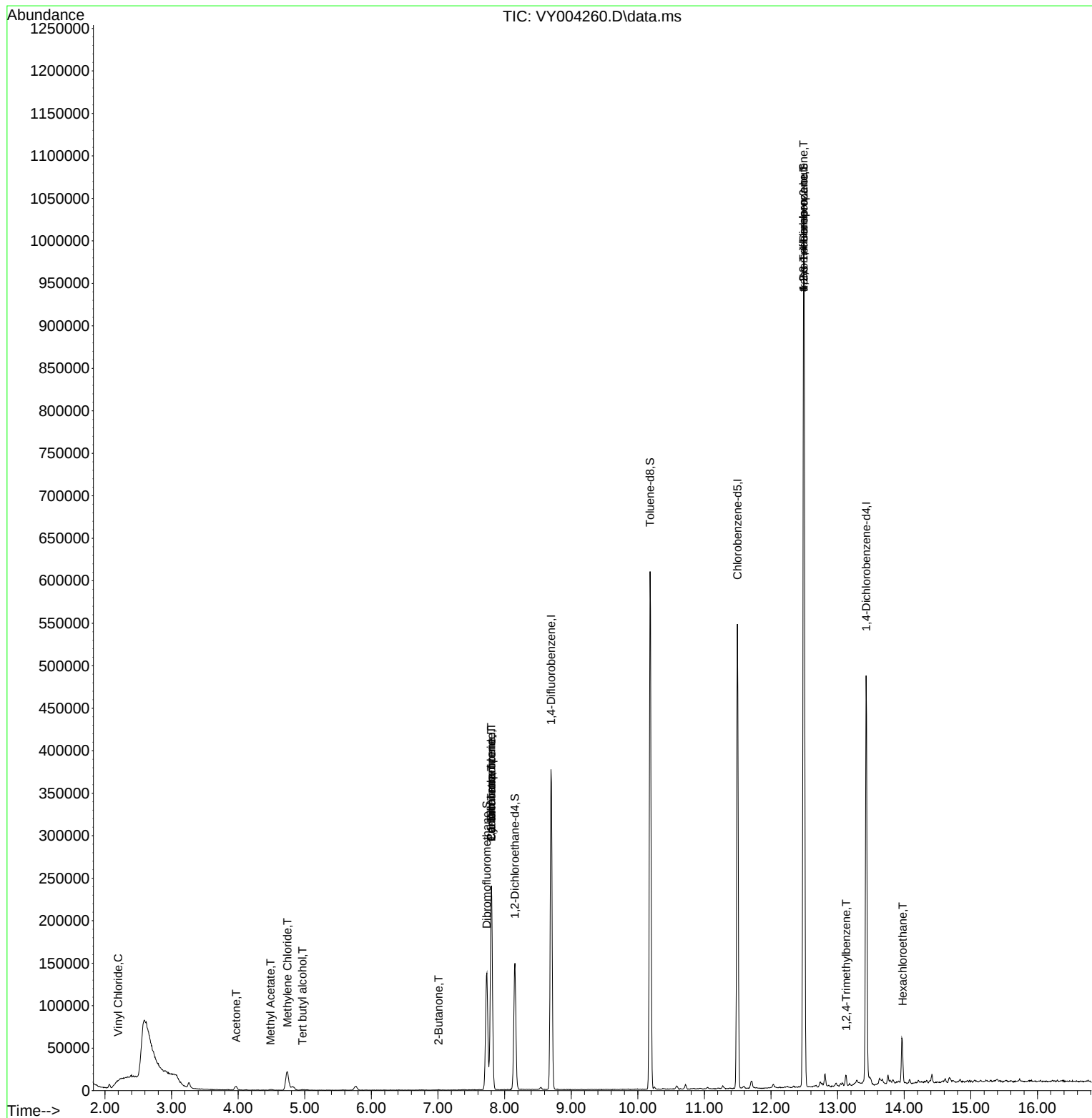
Internal Standards						
1) Pentafluorobenzene	7.801	168	186194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	314787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	280837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119421	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	115683	64.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.26%			
35) Dibromofluoromethane	7.734	113	97104	55.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.72%			
50) Toluene-d8	10.185	98	384732	58.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.64%			
62) 4-Bromofluorobenzene	12.489	95	126111	55.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.56%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.199	62	4245	1.75	ug/l #	42
11) Tert butyl alcohol	4.966	59	1010	6.93	ug/l #	71
13) Acrolein	3.753	56	188	Below Cal	#	50
16) Acetone	3.973	43	7776	20.85	ug/l	97
18) Methyl Acetate	4.485	43	1740	1.46	ug/l #	84
20) Methylene Chloride	4.741	84	16668	6.95	ug/l	97
25) 2-Butanone	7.009	43	692	1.11	ug/l #	89
31) Cyclohexane	7.801	56	4159	1.31	ug/l #	10
36) 1,1-Dichloropropene	7.801	75	14816	5.16	ug/l #	48
38) Carbon Tetrachloride	7.801	117	18923	7.57	ug/l #	16
49) 1,4-Dioxane	9.307	88	118	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.489	75	73435	67.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	73435	124.81	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.130	105	7411	1.04	ug/l	94
90) Hexachloroethane	13.977	117	389	7.76	ug/l #	12

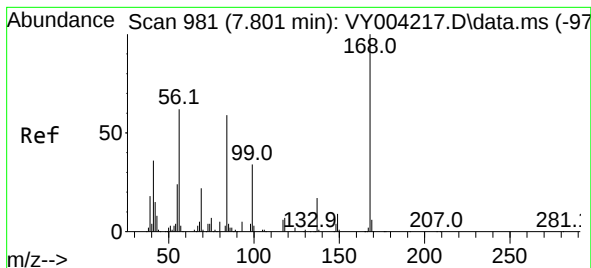
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

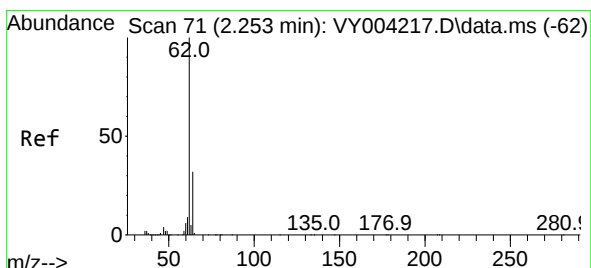
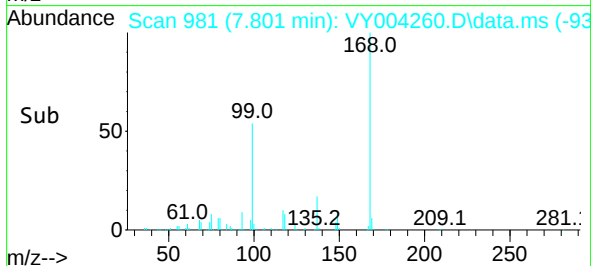
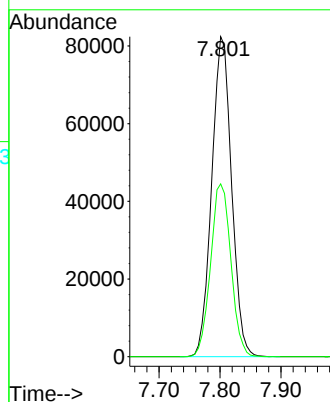
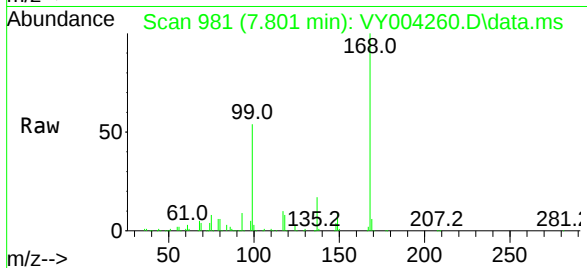
Lab File: VY004260.D

Acq: 02 Apr 2021 14:15

Tgt Ion:168 Resp: 186194

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	54.0	42.6	64.0



#4

Vinyl Chloride

Concen: 1.75 ug/l

RT: 2.199 min Scan# 62

Delta R.T. -0.055 min

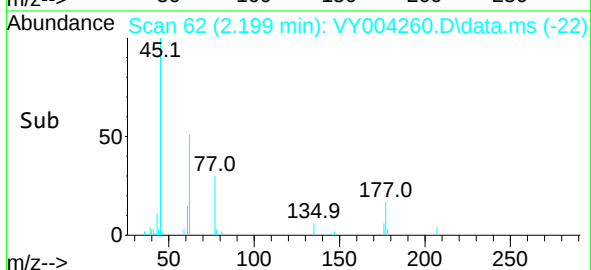
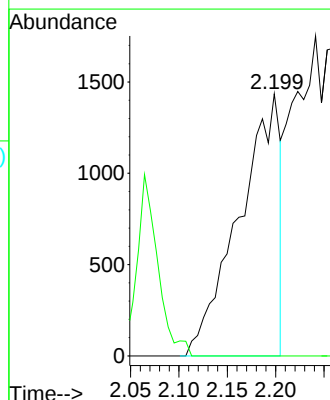
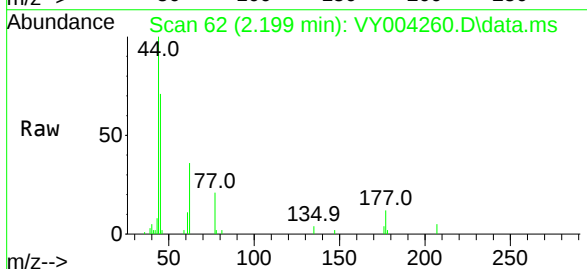
Lab File: VY004260.D

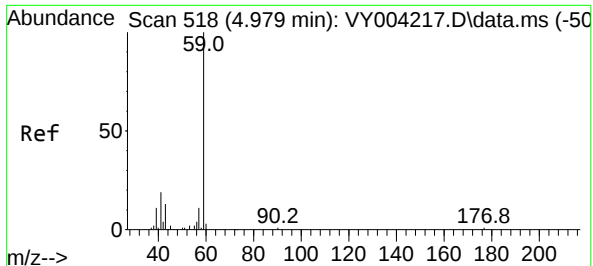
Acq: 02 Apr 2021 14:15

Tgt Ion: 62 Resp: 4245

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.0	39.0



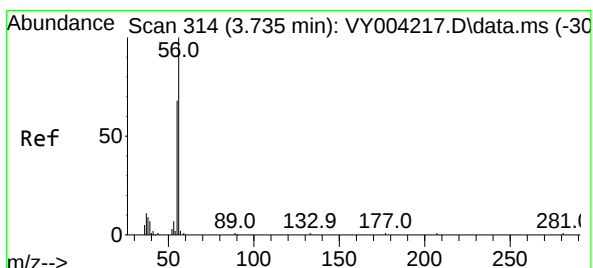
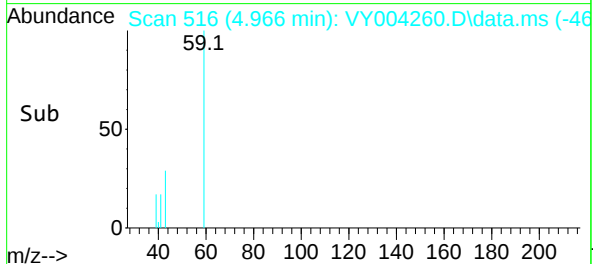
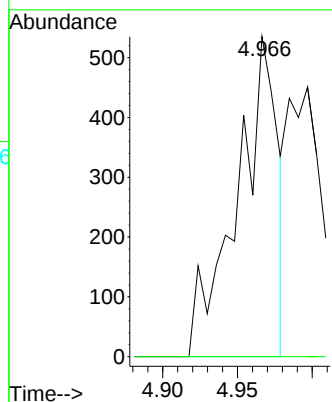
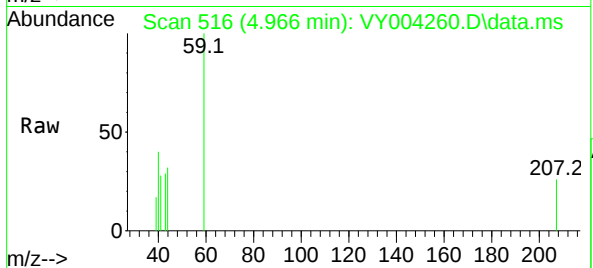


#11

Tert butyl alcohol
Concen: 6.93 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Instrument :
MSVOA_Y
ClientSampled :
TP-5-(0-4)

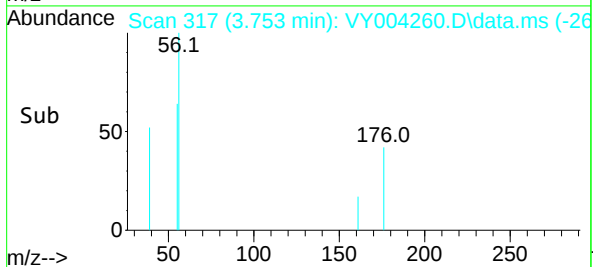
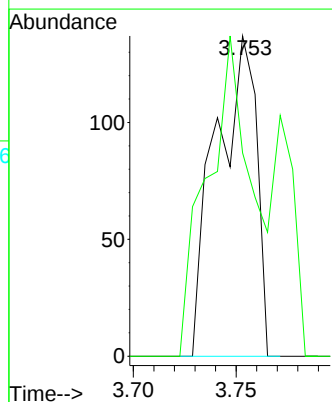
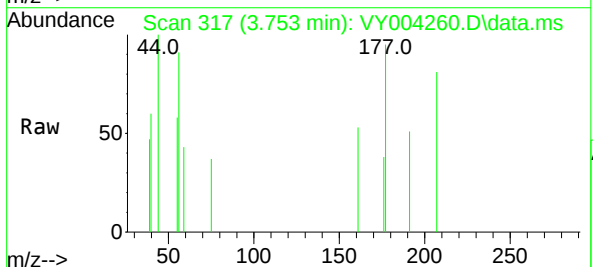
Tgt Ion: 59 Resp: 1010
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

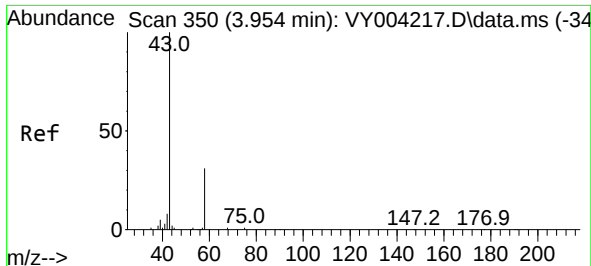


#13

Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 109.6 55.0 82.4#

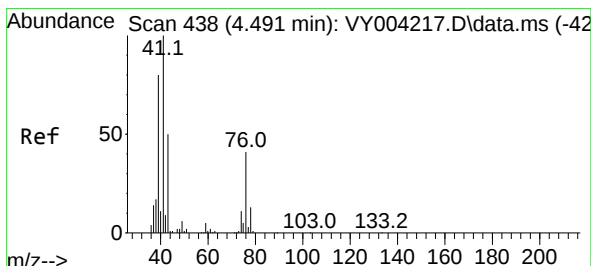
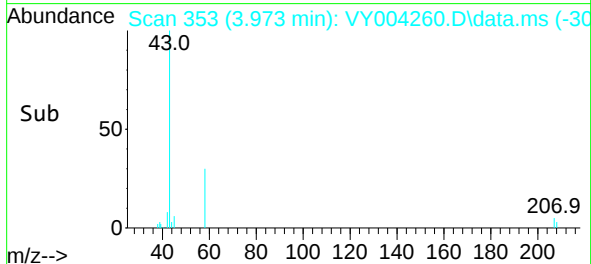
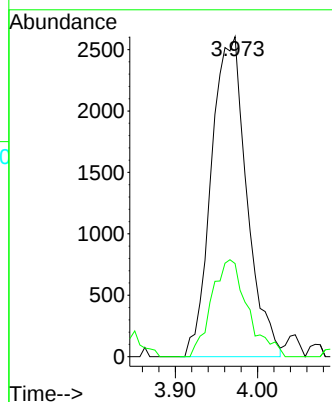
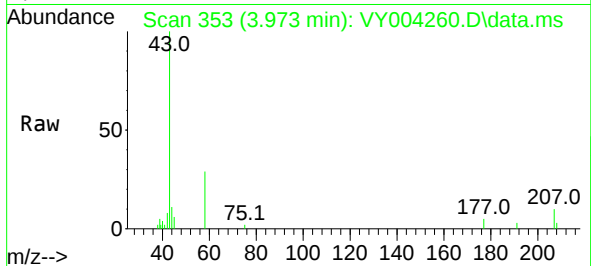




#16
Acetone
Concen: 20.85 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.018 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

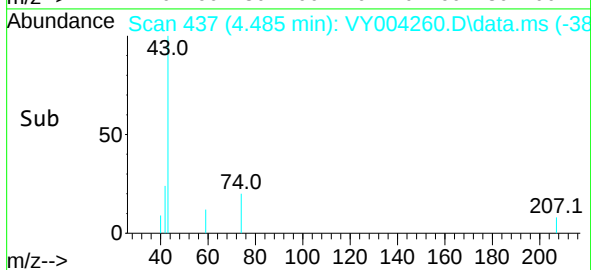
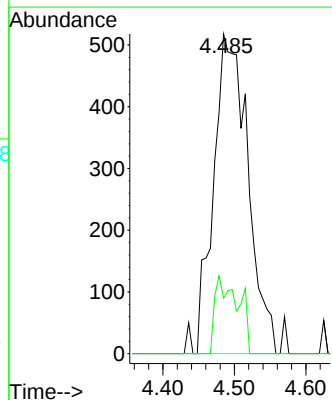
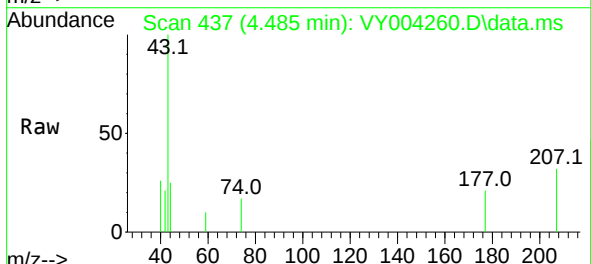
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-(0-4)

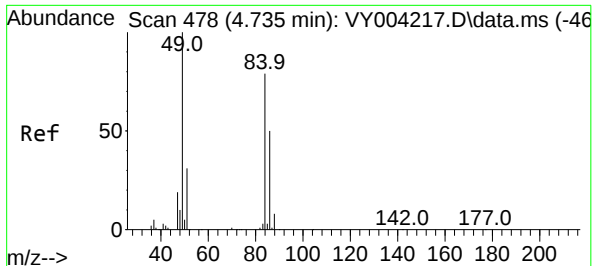
Tgt Ion: 43 Resp: 7776
Ion Ratio Lower Upper
43 100
58 29.1 24.5 36.7



#18
Methyl Acetate
Concen: 1.46 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
74 16.2 19.1 28.7#



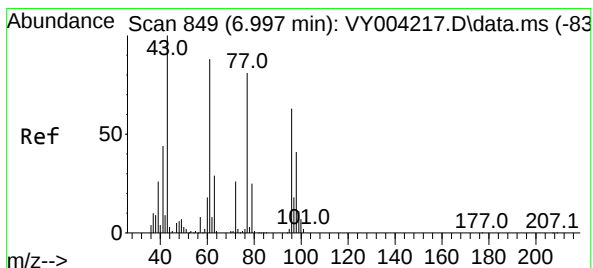
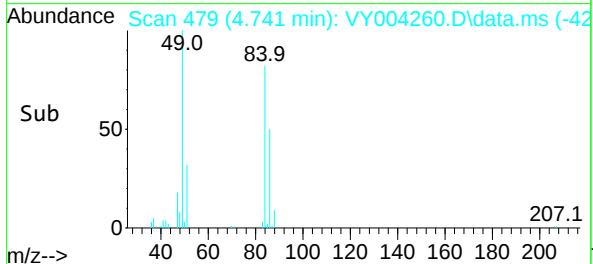
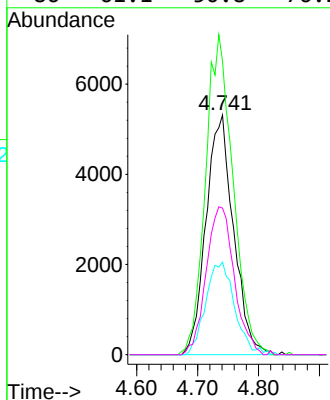
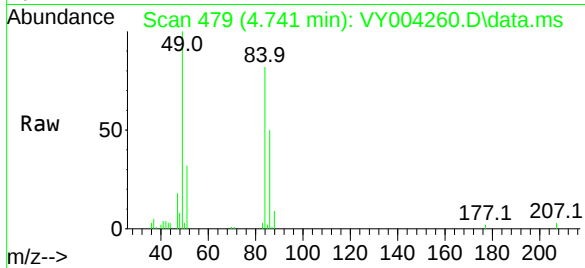


#20
Methylene Chloride
Concen: 6.95 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Instrument :
MSVOA_Y
ClientSampled :
TP-5-(0-4)

Tgt Ion: 84 Resp: 16668

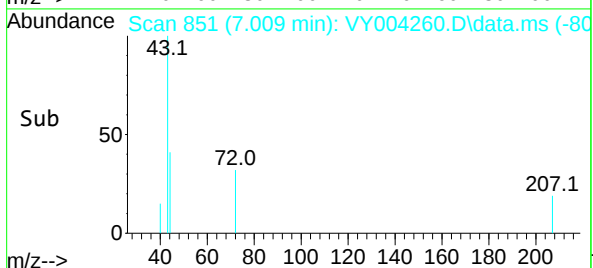
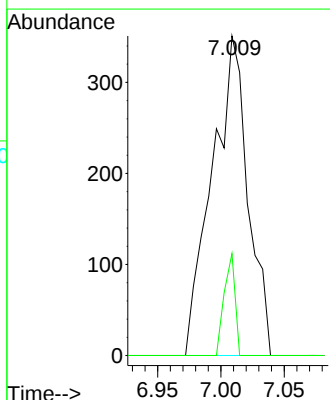
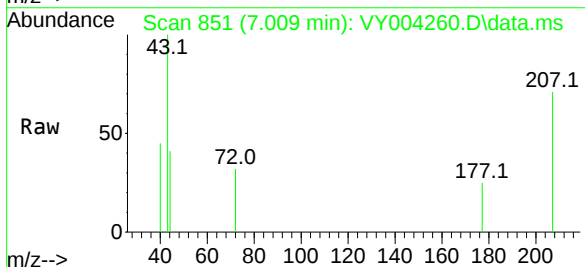
Ion	Ratio	Lower	Upper
84	100		
49	122.5	101.5	152.3
51	38.7	31.5	47.3
86	61.1	50.8	76.2

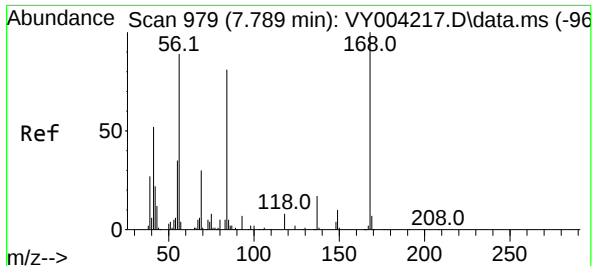


#25
2-Butanone
Concen: 1.11 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 43 Resp: 692

Ion	Ratio	Lower	Upper
43	100		
72	31.9	21.0	31.6#

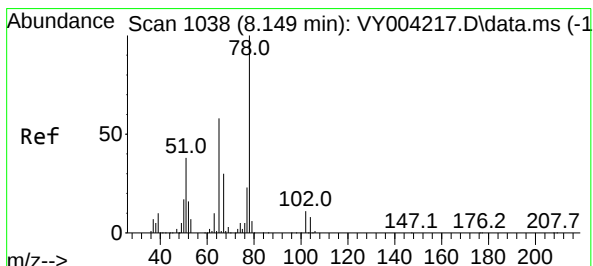
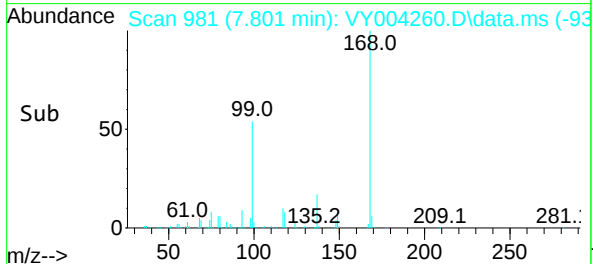
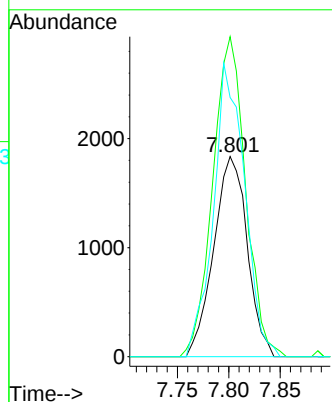
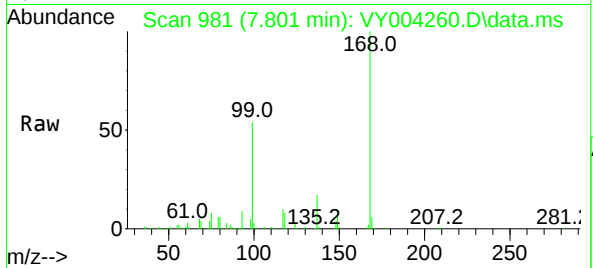




#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

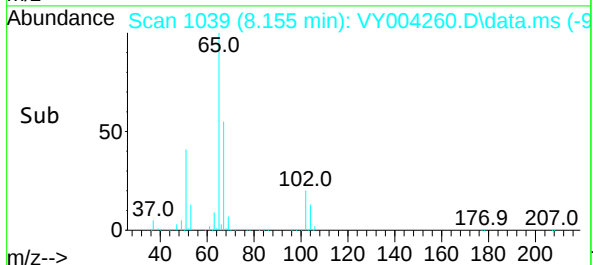
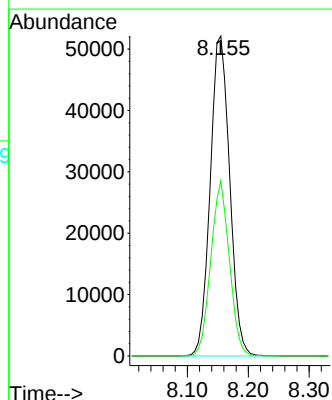
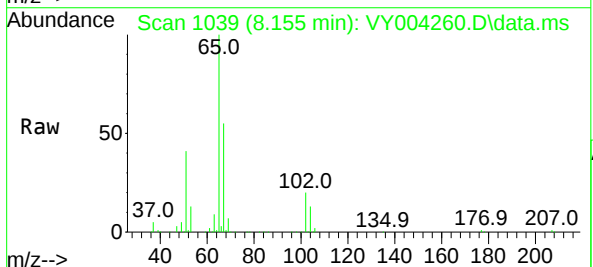
Instrument :
MSVOA_Y
ClientSampled :
TP-5-(0-4)

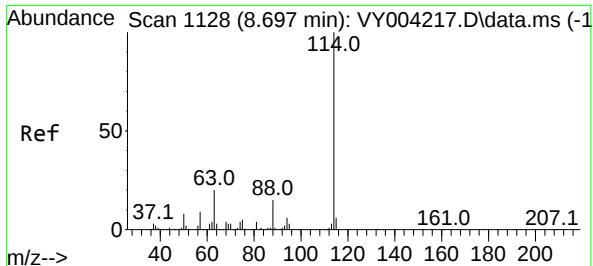
Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 159.9 26.6 40.0#
84 129.5 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 64.63 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 65 Resp: 115683
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.2

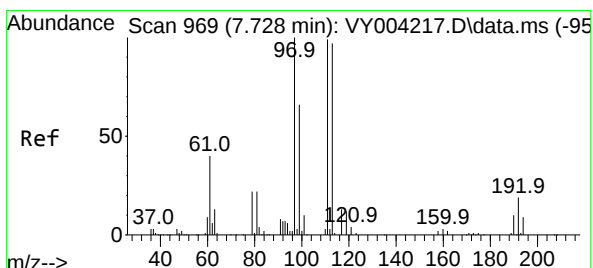
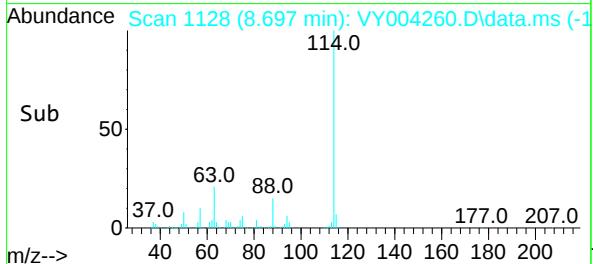
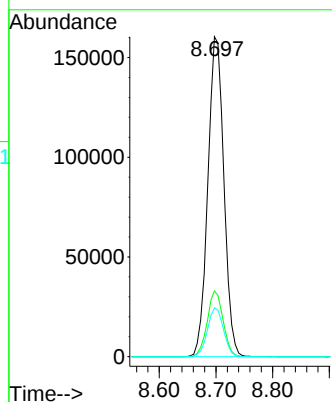
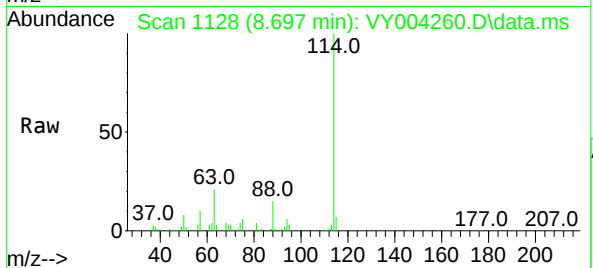




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

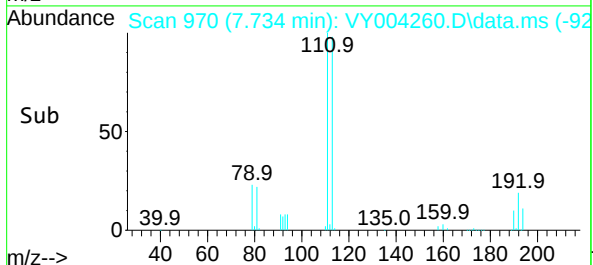
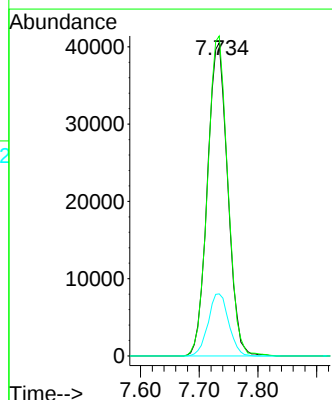
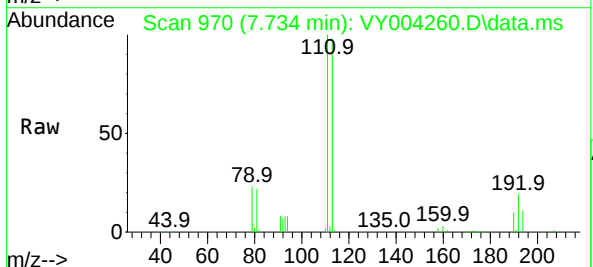
Instrument :
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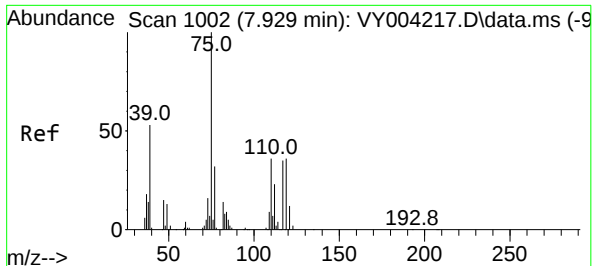
Tgt Ion:114 Resp: 314787
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.4
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 55.36 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion:113 Resp: 97104
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 20.1 16.4 24.6

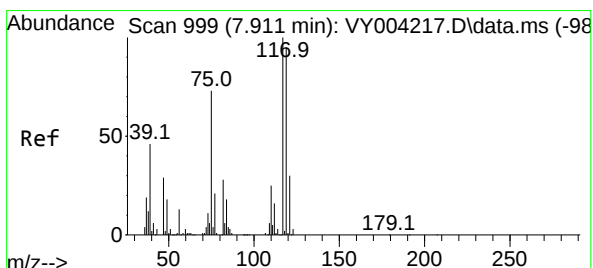
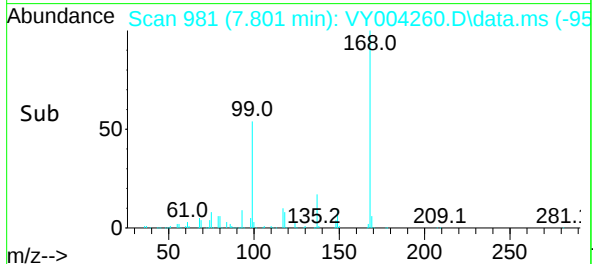
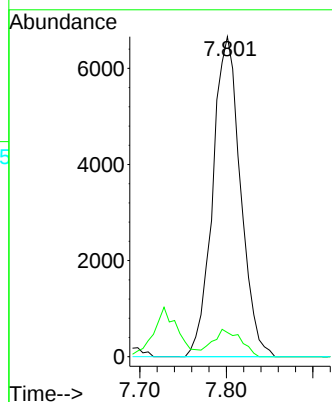
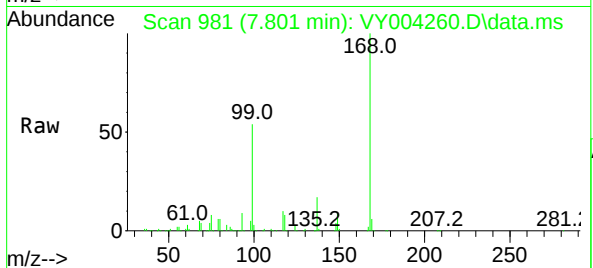




#36
1,1-Dichloropropene
Concen: 5.16 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

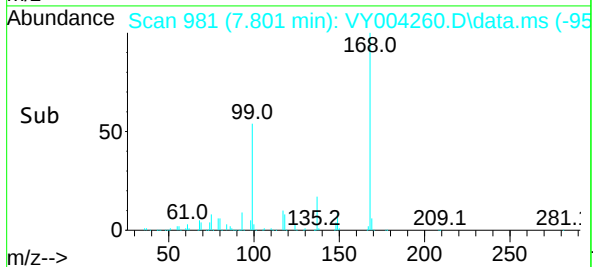
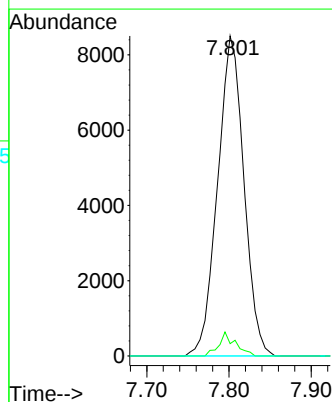
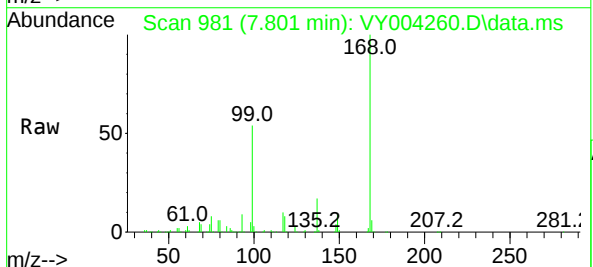
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-(0-4)

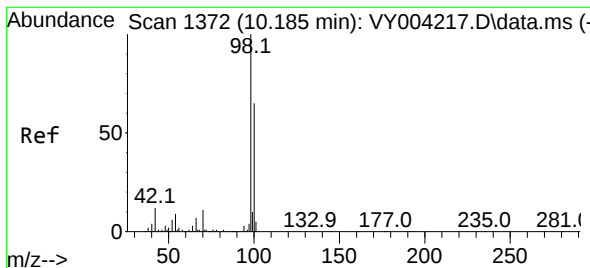
Tgt Ion: 75 Resp: 14816
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.3#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.57 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 117 Resp: 18923
Ion Ratio Lower Upper
117 100
119 3.9 75.6 113.4#
121 0.0 24.3 36.5#

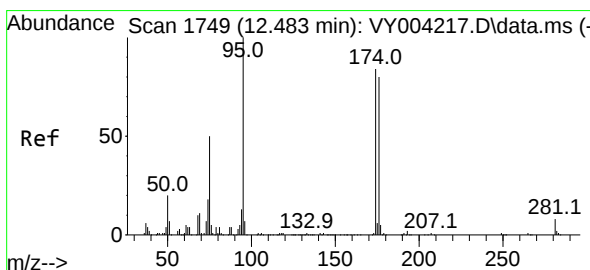
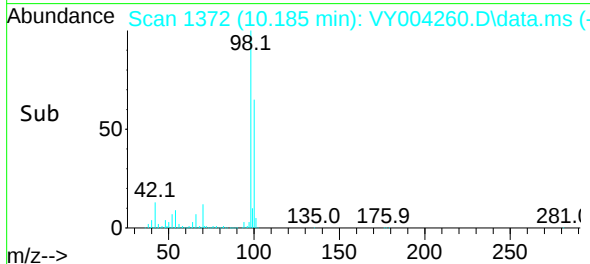
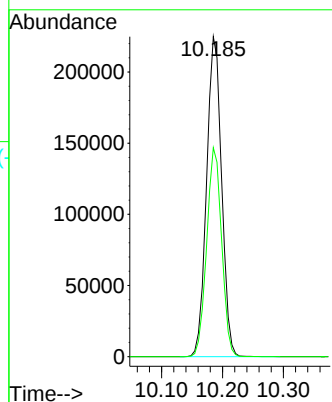
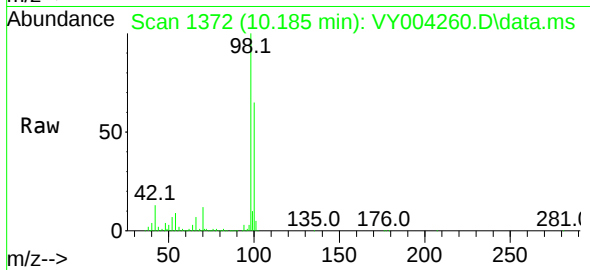




#50
Toluene-d8
Concen: 58.32 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

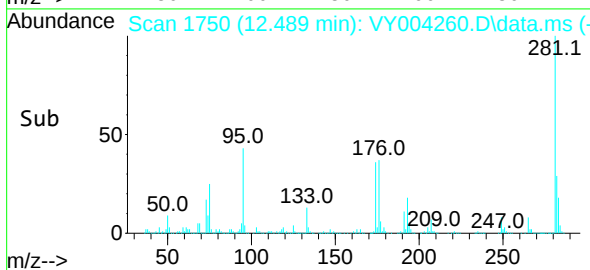
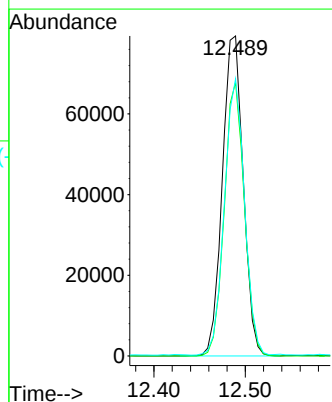
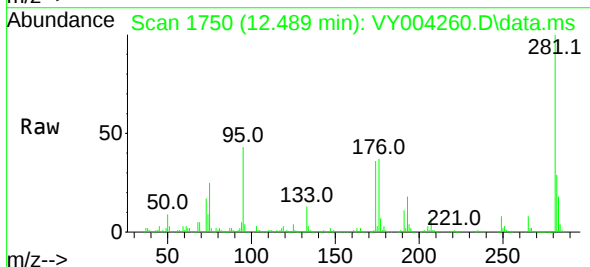
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-(0-4)

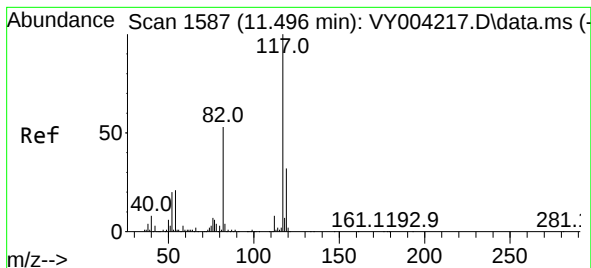
Tgt Ion: 98 Resp: 384732
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 55.78 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 95 Resp: 126111
Ion Ratio Lower Upper
95 100
174 82.0 0.0 171.4
176 83.4 0.0 165.6

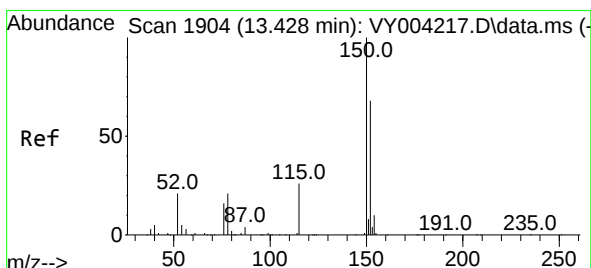
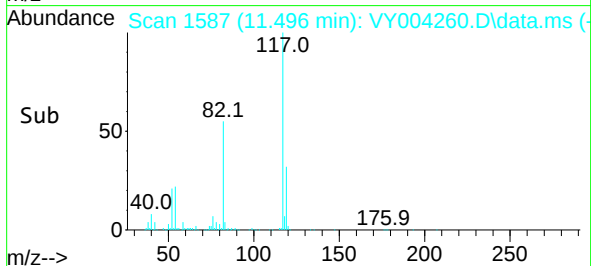
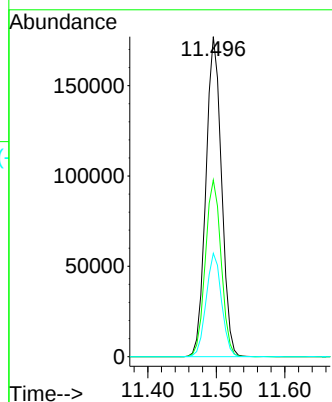
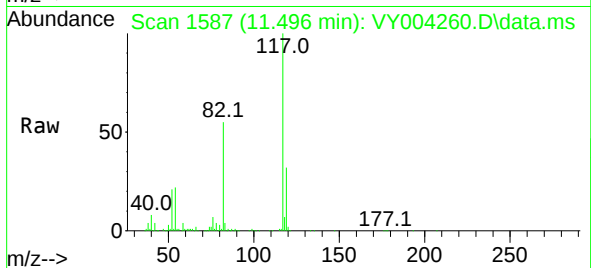




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

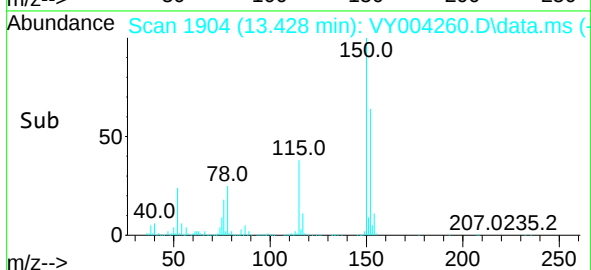
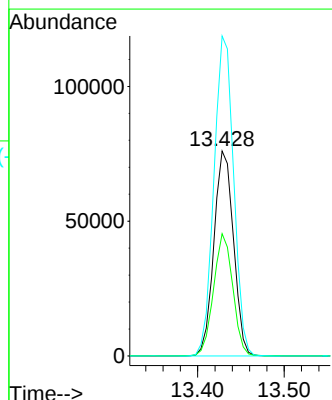
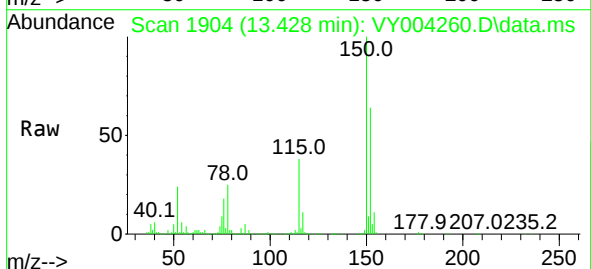
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-(0-4)

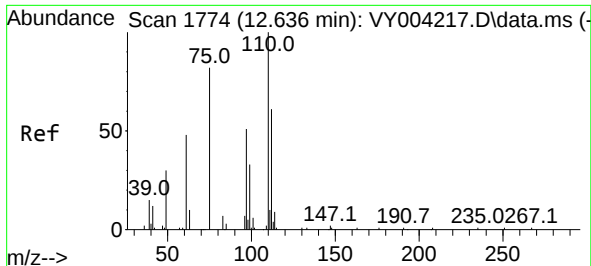
Tgt Ion:117 Resp: 280837
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion:152 Resp: 119421
Ion Ratio Lower Upper
152 100
115 58.4 29.0 87.1
150 157.3 0.0 347.4

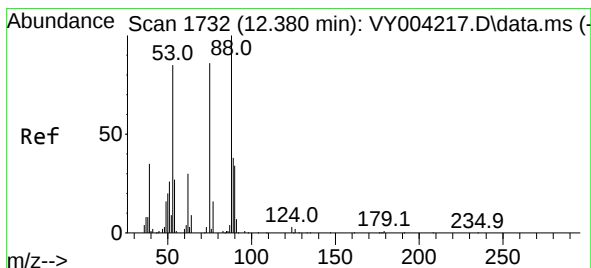
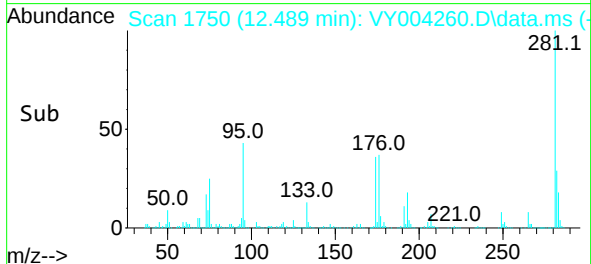
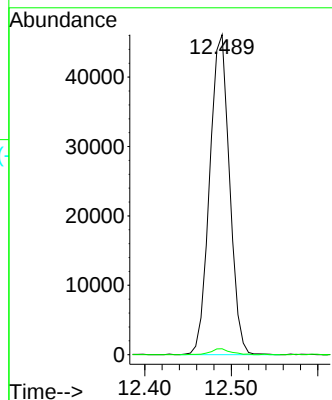
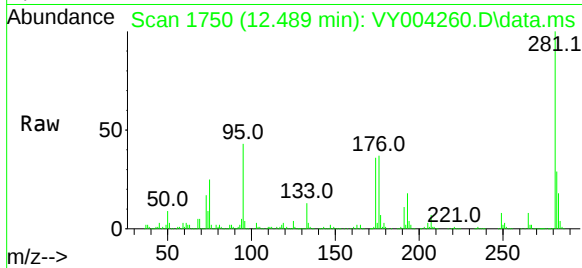




#76
1,2,3-Trichloropropane
Concen: 67.72 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

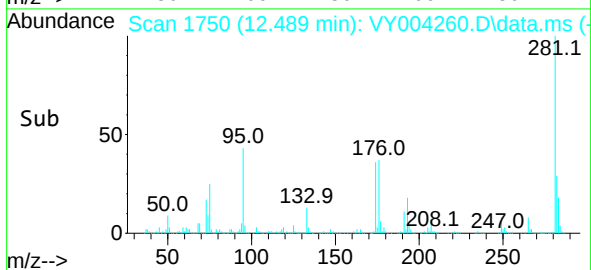
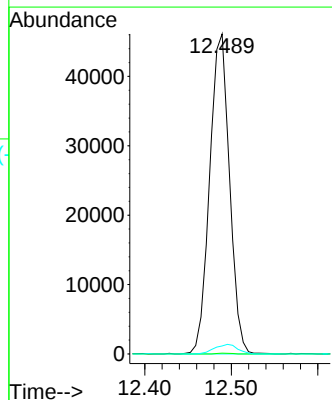
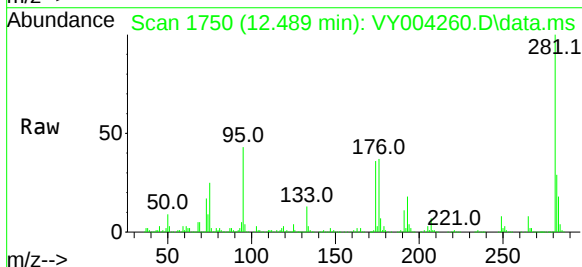
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-(0-4)

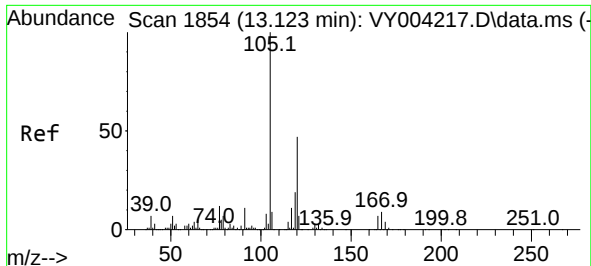
Tgt Ion: 75 Resp: 73435
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.81 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion: 75 Resp: 73435
Ion Ratio Lower Upper
75 100
53 0.2 79.3 118.9#
89 3.5 39.4 59.2#

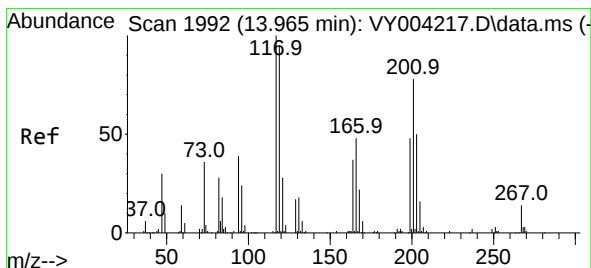
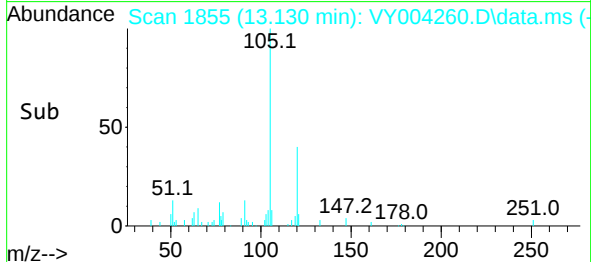
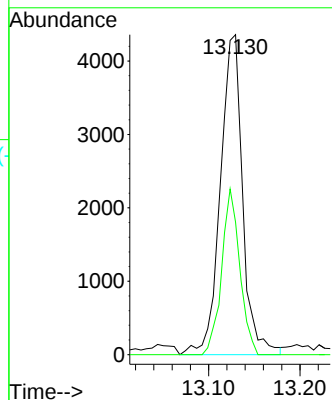
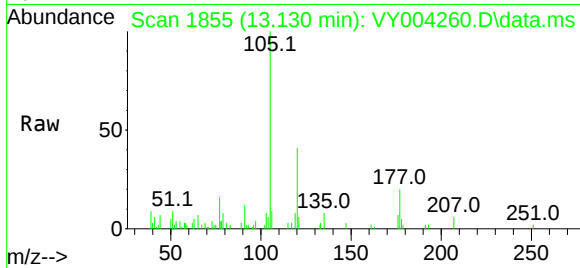




#84
1,2,4-Trimethylbenzene
Concen: 1.04 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Instrument :
MSVOA_Y
ClientSampled :
TP-5-(0-4)

Tgt Ion:105 Resp: 7411
Ion Ratio Lower Upper
105 100
120 42.0 22.9 68.7



#90
Hexachloroethane
Concen: 7.76 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004260.D
Acq: 02 Apr 2021 14:15

Tgt Ion:117 Resp: 389
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

