

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062821\
 Data File : VY005262.D
 Acq On : 28 Jun 2021 20:15
 Operator : SY/MD
 Sample : M2889-04
 Misc : 5.41G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4(14-14.5)

Quant Time: Jun 29 01:20:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

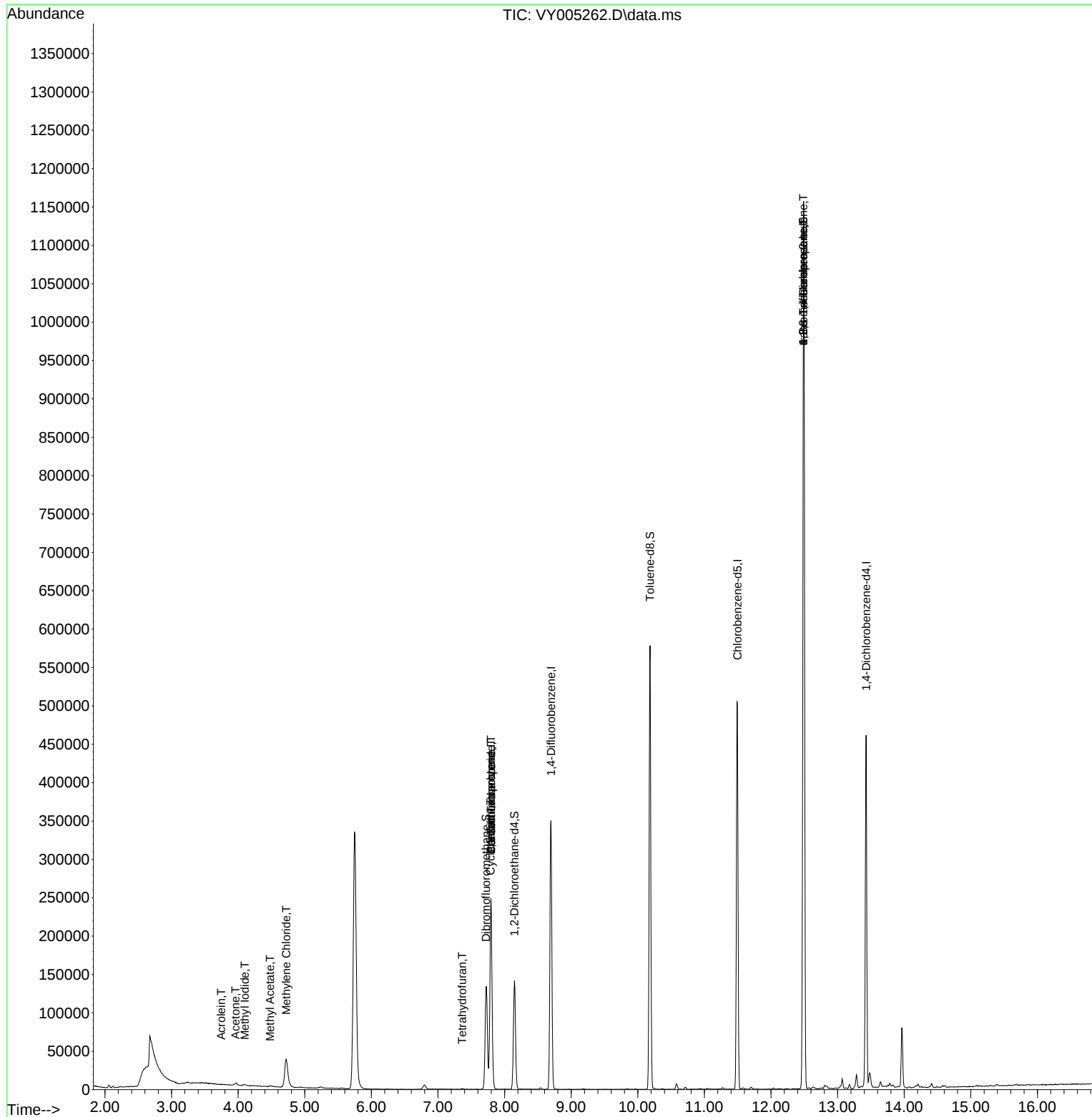
Internal Standards						
1) Pentafluorobenzene	7.795	168	210203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	321850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	301173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110103	63.119	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 126.240%		
35) Dibromofluoromethane	7.722	113	96656	50.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 101.840%		
50) Toluene-d8	10.185	98	387950	51.108	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 102.220%		
62) 4-Bromofluorobenzene	12.483	95	123576	48.855	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 97.700%		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.101	142	2727	1.113	ug/l	97
11) Tert butyl alcohol	4.979	59	190	Below Cal	#	25
13) Acrolein	3.747	56	144	1.680	ug/l #	11
16) Acetone	3.960	43	3928	9.747	ug/l	97
18) Methyl Acetate	4.479	43	2180	2.036	ug/l #	60
20) Methylene Chloride	4.722	84	30252	6.553	ug/l	96
29) Tetrahydrofuran	7.362	42	402	1.040	ug/l #	64
31) Cyclohexane	7.789	56	4309	1.384	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	12883	4.546	ug/l #	48
38) Carbon Tetrachloride	7.795	117	16937	5.709	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	63649	56.971	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63649	106.294	ug/l #	19

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

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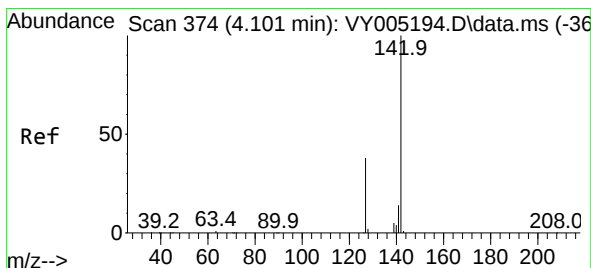
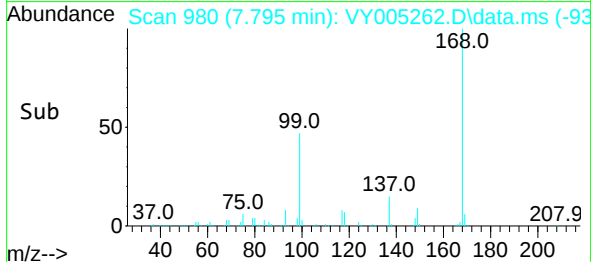
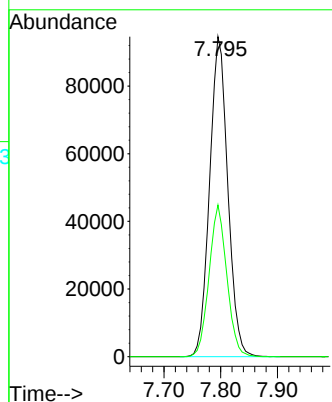
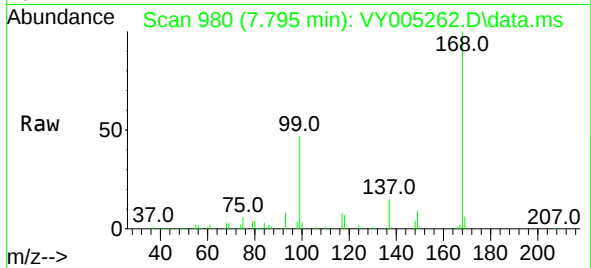




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

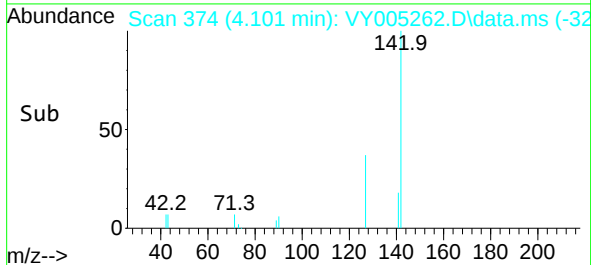
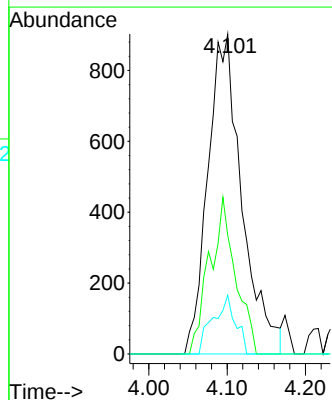
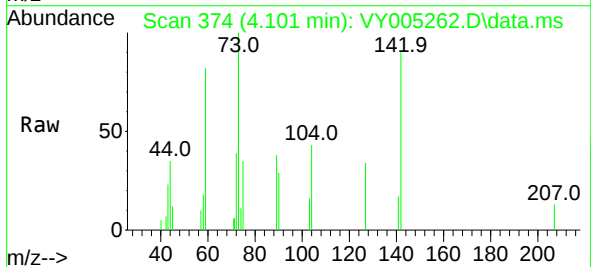
Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

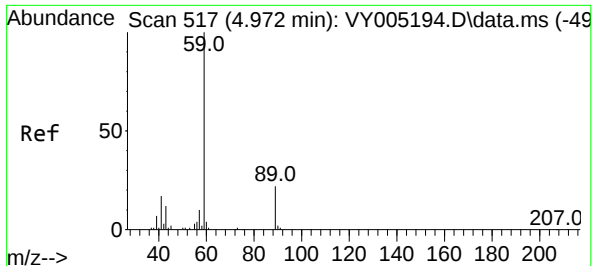
Tgt Ion:168 Resp: 210203
Ion Ratio Lower Upper
168 100
99 47.4 36.2 54.4



#10
Methyl Iodide
Concen: 1.113 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion:142 Resp: 2727
Ion Ratio Lower Upper
142 100
127 37.4 31.3 46.9
141 12.2 11.3 16.9



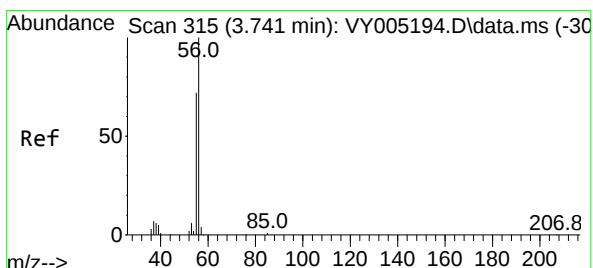
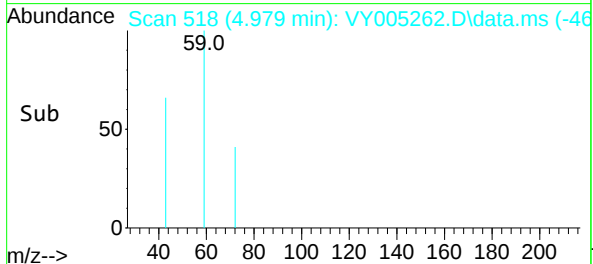
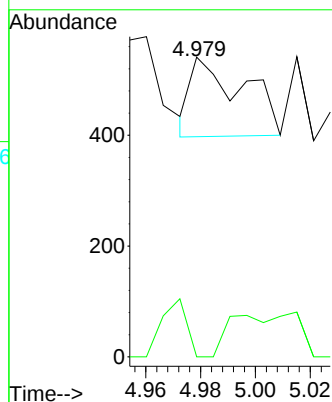
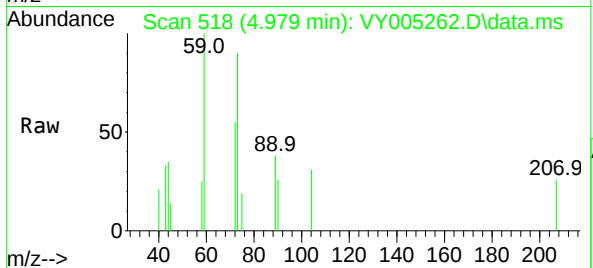


#11

Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.007 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

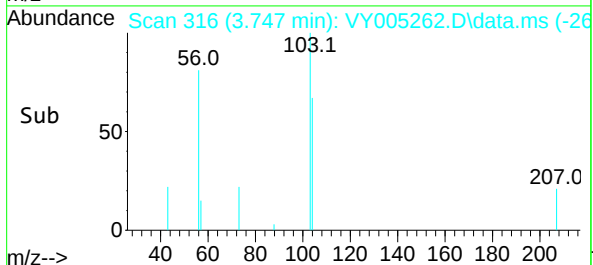
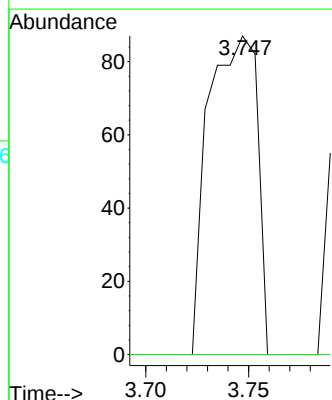
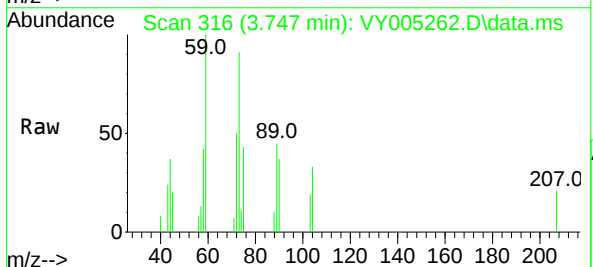
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 34.7 6.5 9.7#

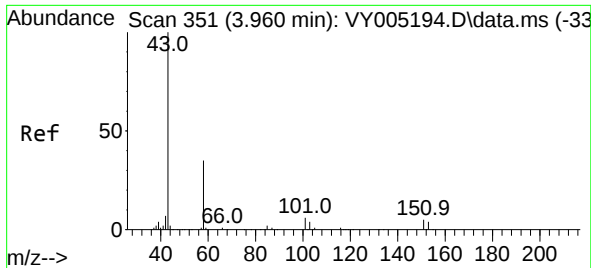


#13

Acrolein
Concen: 1.680 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 0.0 61.0 91.6#

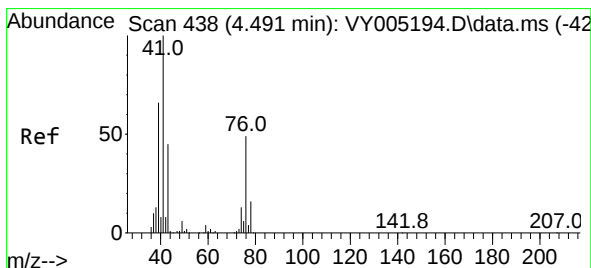
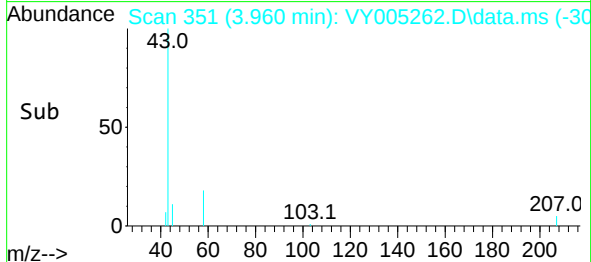
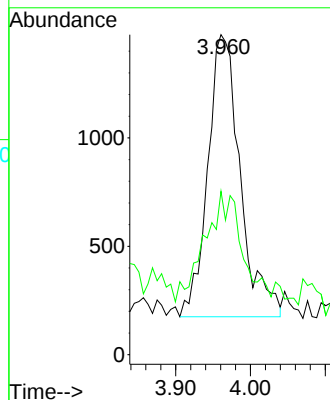
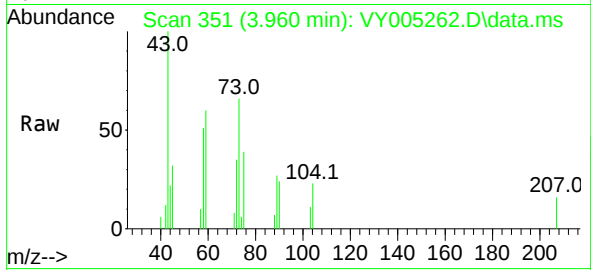




#16
Acetone
Concen: 9.747 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

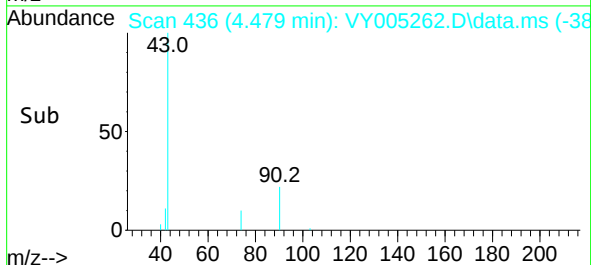
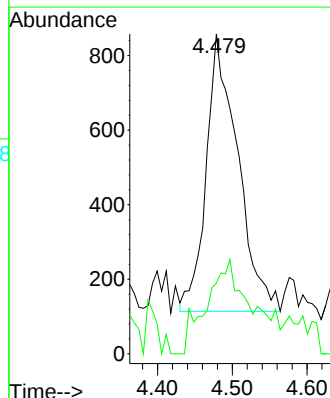
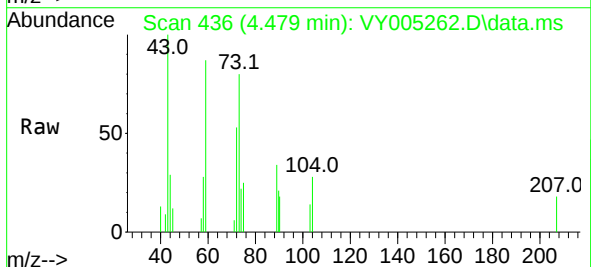
Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

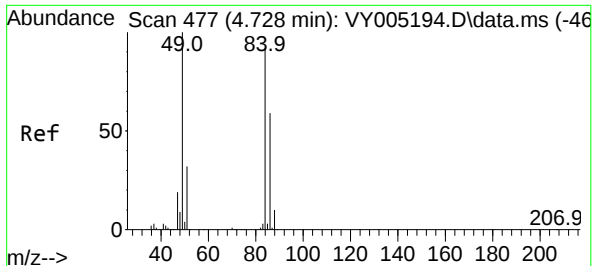
Tgt Ion: 43 Resp: 3928
Ion Ratio Lower Upper
43 100
58 33.7 28.2 42.2



#18
Methyl Acetate
Concen: 2.036 ug/l
RT: 4.479 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

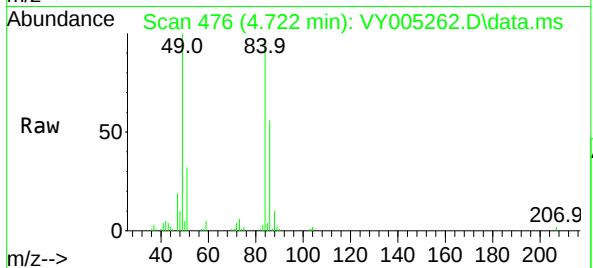
Tgt Ion: 43 Resp: 2180
Ion Ratio Lower Upper
43 100
74 49.2 22.5 33.7#



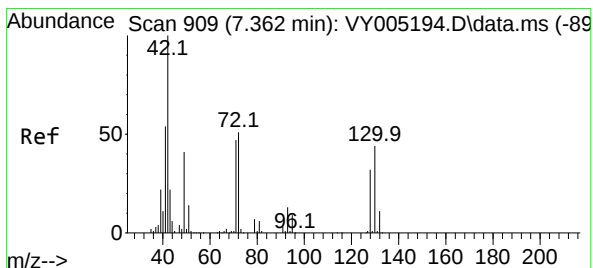
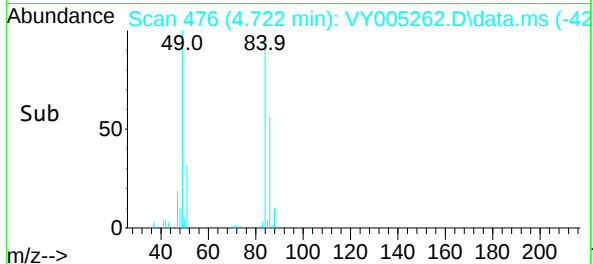
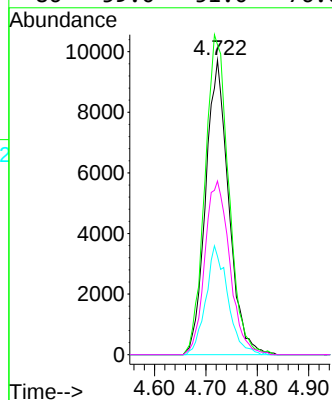


#20
Methylene Chloride
Concen: 6.553 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

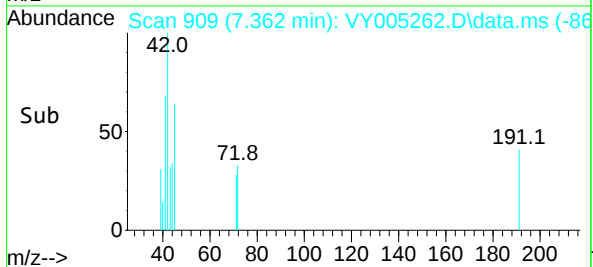
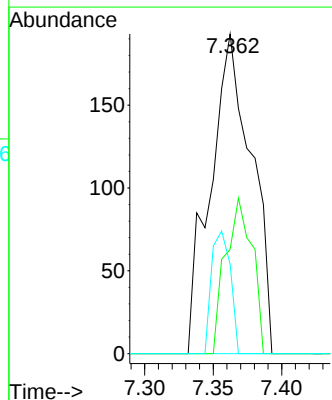
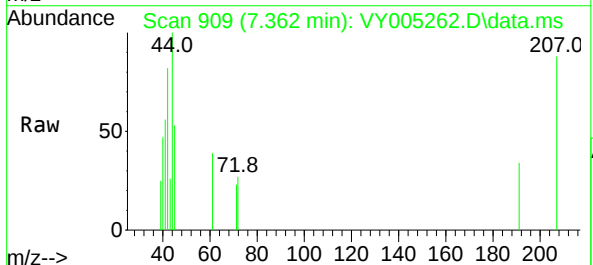


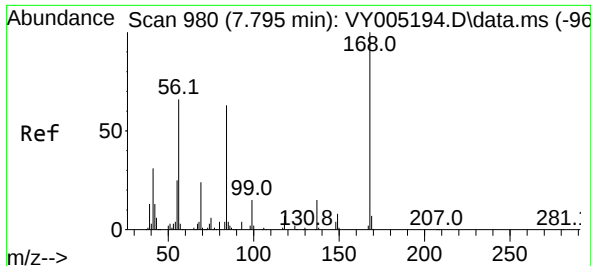
Tgt Ion:	84	Resp:	30252
Ion	Ratio	Lower	Upper
84	100		
49	105.2	86.9	130.3
51	33.4	27.4	41.2
86	59.0	51.0	76.6



#29
Tetrahydrofuran
Concen: 1.040 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion:	42	Resp:	402
Ion	Ratio	Lower	Upper
42	100		
72	31.6	40.9	61.3#
71	17.7	37.9	56.9#

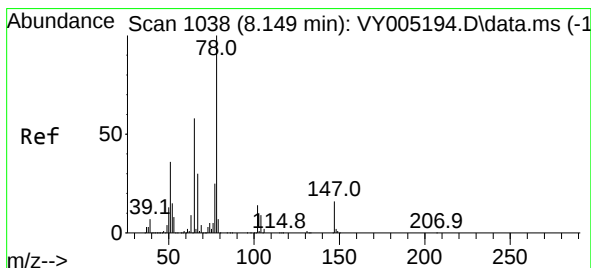
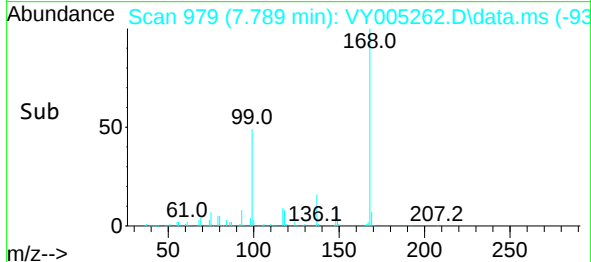
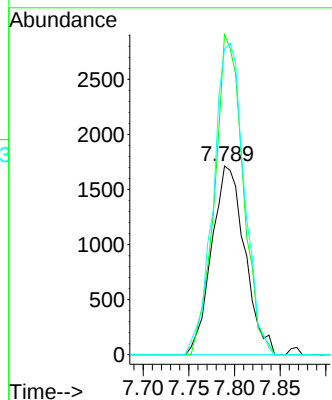
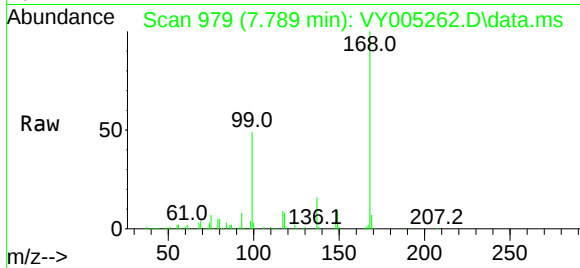




#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

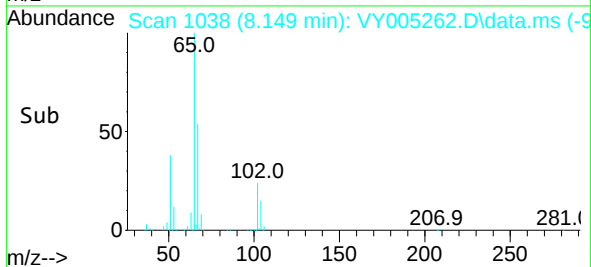
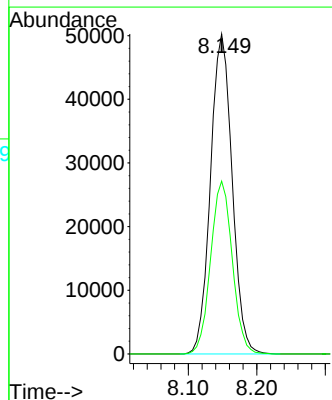
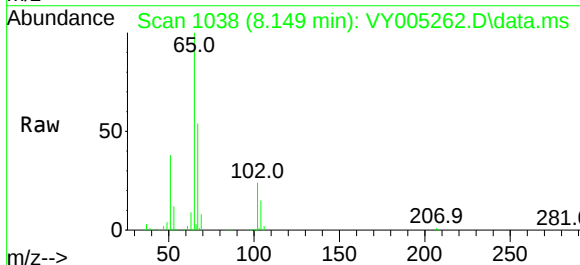
Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

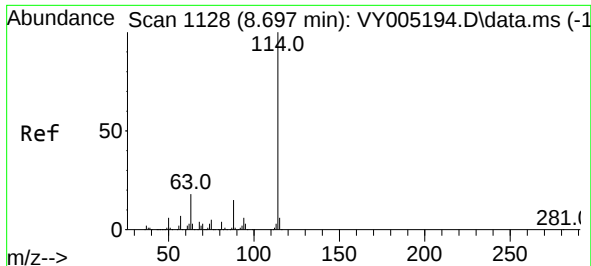
Tgt Ion: 56 Resp: 4309
Ion Ratio Lower Upper
56 100
69 169.6 29.6 44.4#
84 162.1 76.4 114.6#



#33
1,2-Dichloroethane-d4
Concen: 63.119 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion: 65 Resp: 110103
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.6

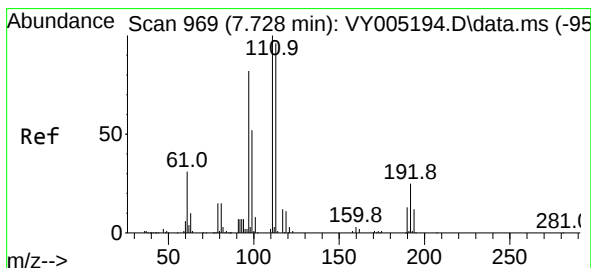
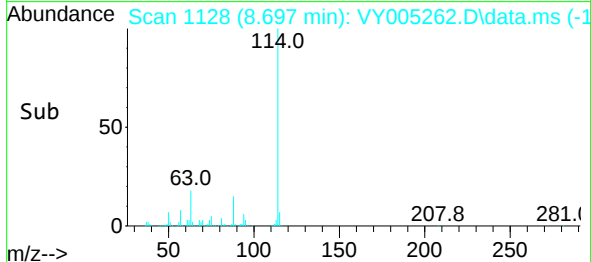
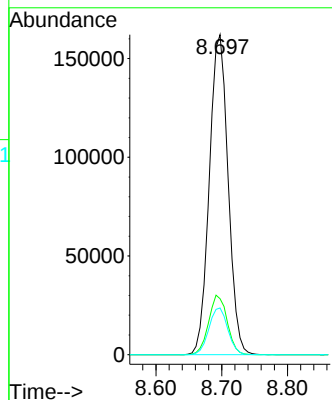
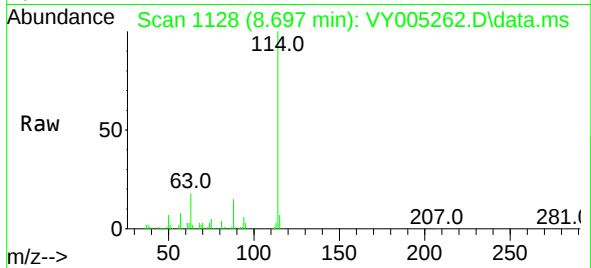




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

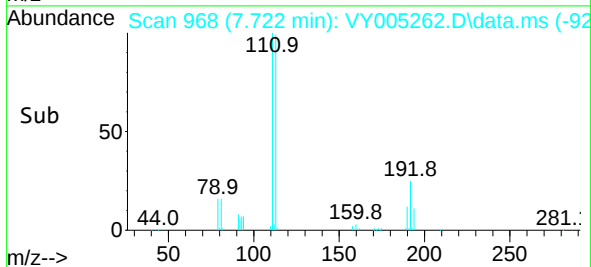
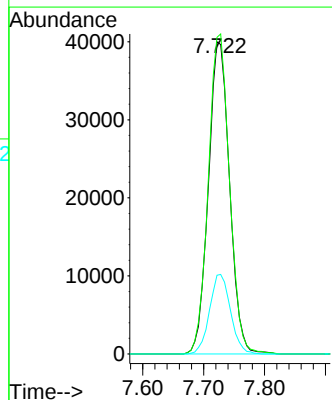
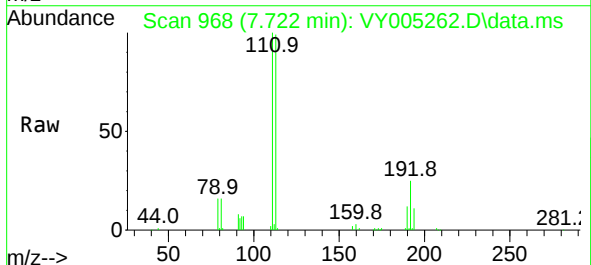
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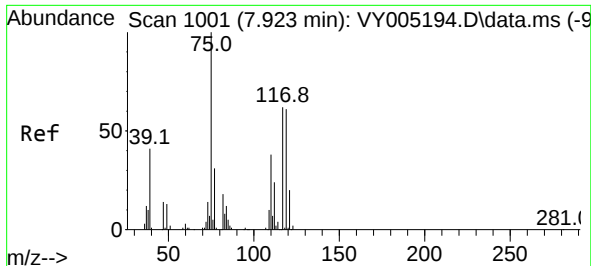
Tgt Ion:114 Resp: 321850
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.922 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion:113 Resp: 96656
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 25.2 20.2 30.2

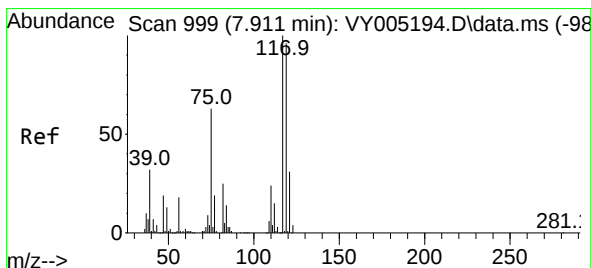
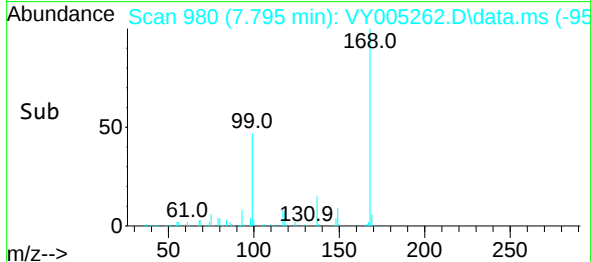
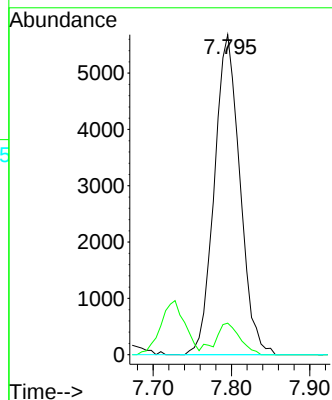
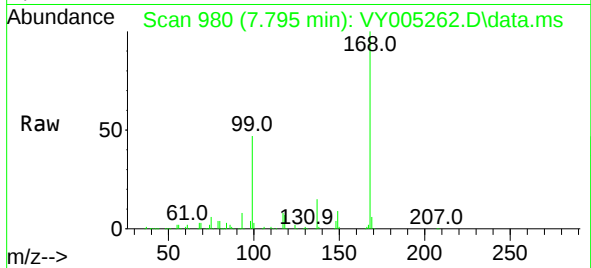




#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

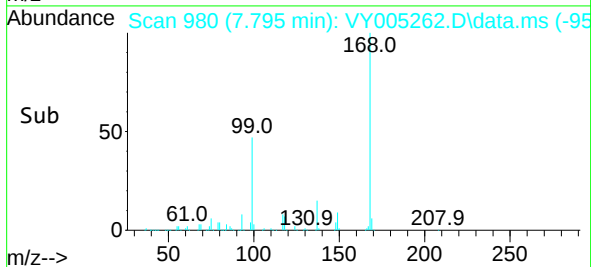
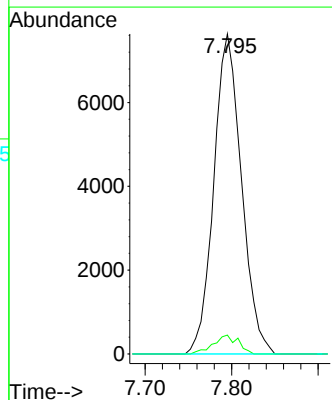
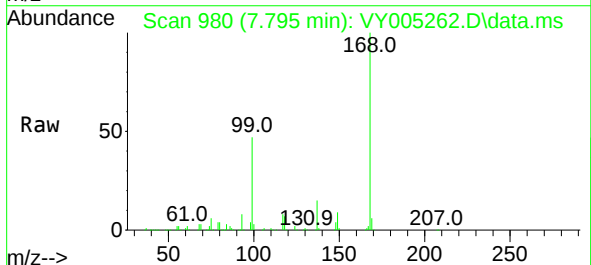
Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

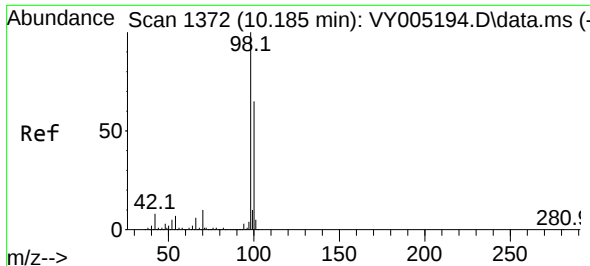
Tgt Ion: 75 Resp: 12883
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.5#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion: 117 Resp: 16937
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.4#
121 0.0 24.7 37.1#

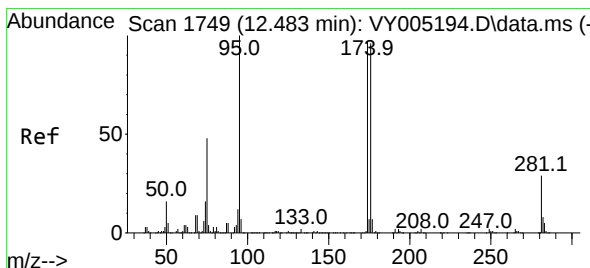
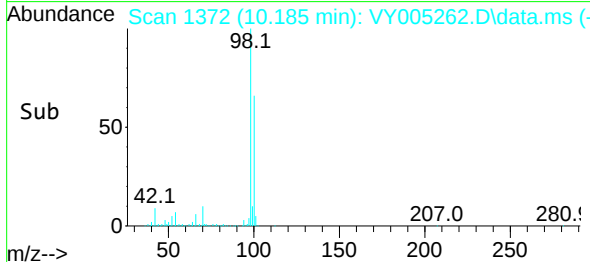
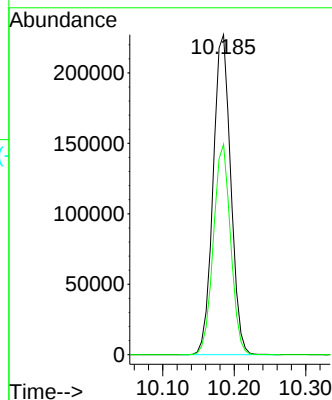
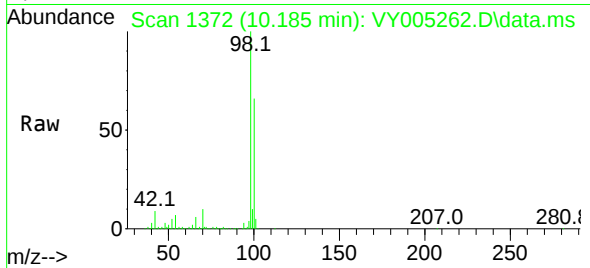




#50
Toluene-d8
Concen: 51.108 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

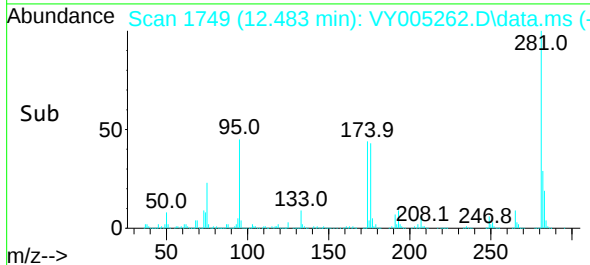
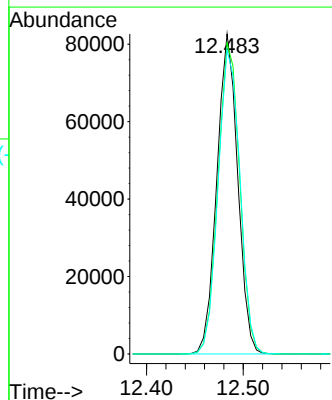
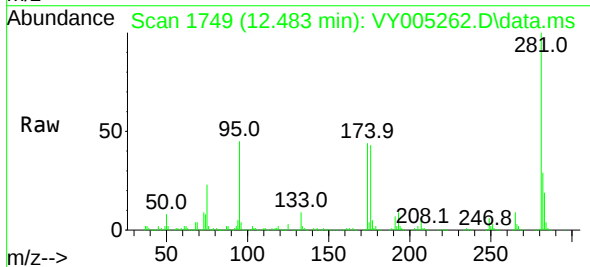
Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

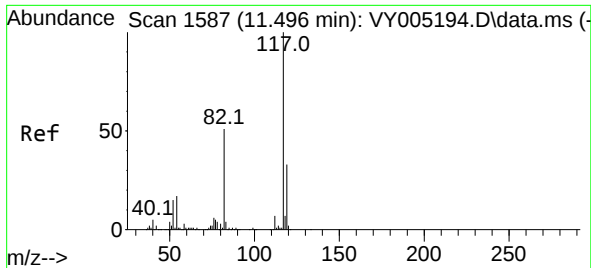
Tgt Ion: 98 Resp: 387950
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.855 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion: 95 Resp: 123576
Ion Ratio Lower Upper
95 100
174 100.9 0.0 201.6
176 99.7 0.0 197.4

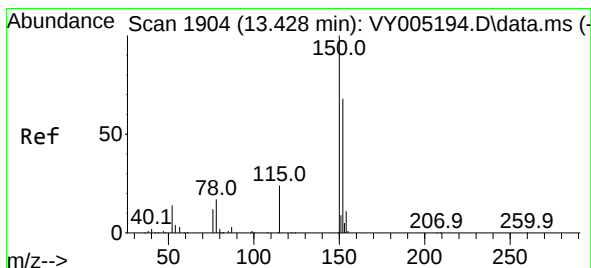
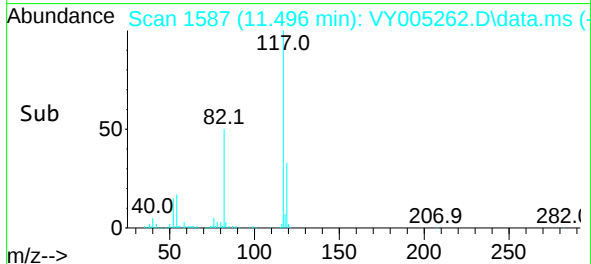
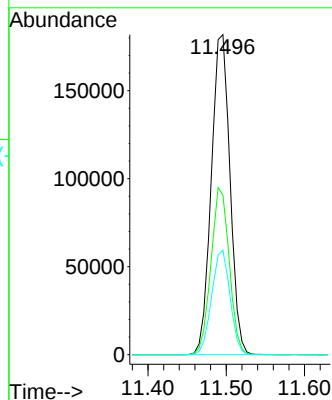
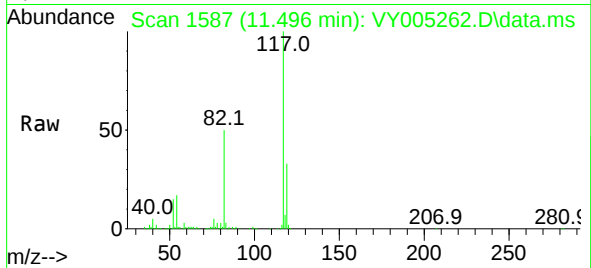




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

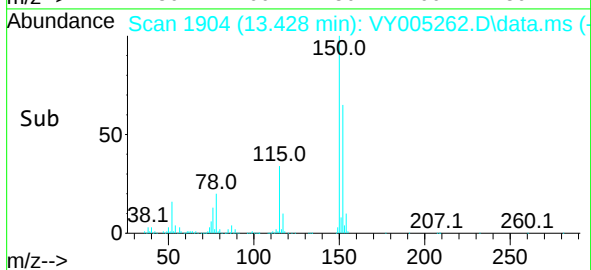
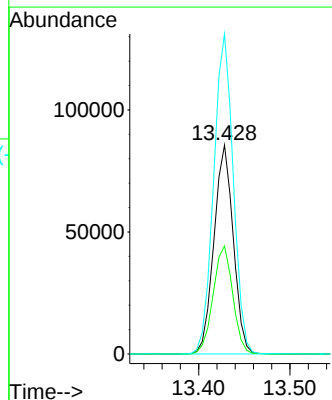
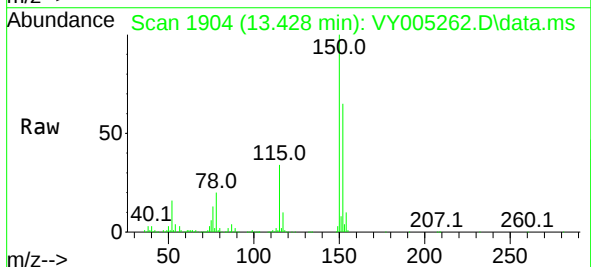
Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

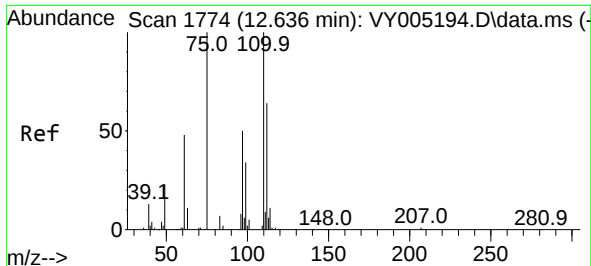
Tgt Ion:	117	Resp:	301173
Ion Ratio	Lower	Upper	
117	100		
82	49.8	40.6	60.8
119	32.7	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion:	152	Resp:	125971
Ion Ratio	Lower	Upper	
152	100		
115	52.6	26.3	78.8
150	155.4	0.0	344.2

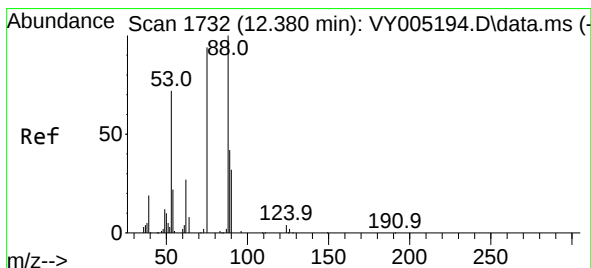
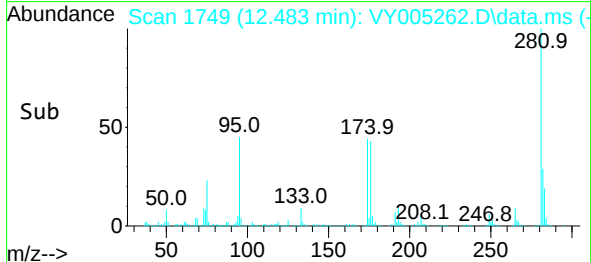
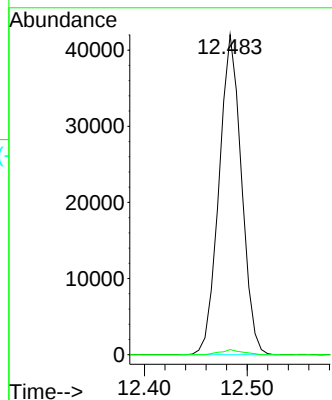
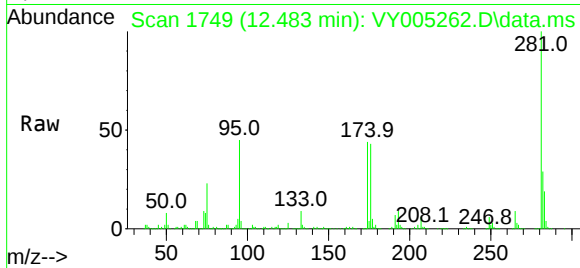




#76
1,2,3-Trichloropropane
Concen: 56.971 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Instrument :
MSVOA_Y
ClientSampleId :
SB-4(14-14.5)

Tgt Ion: 75 Resp: 63649
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.294 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005262.D
Acq: 28 Jun 2021 20:15

Tgt Ion: 75 Resp: 63649
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 2.7 38.0 57.0#

