

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008116.D
 Acq On : 30 Mar 2022 17:39
 Operator : SY/MD
 Sample : N2155-09RE
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22L076-IRE

Quant Time: Mar 31 04:34:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

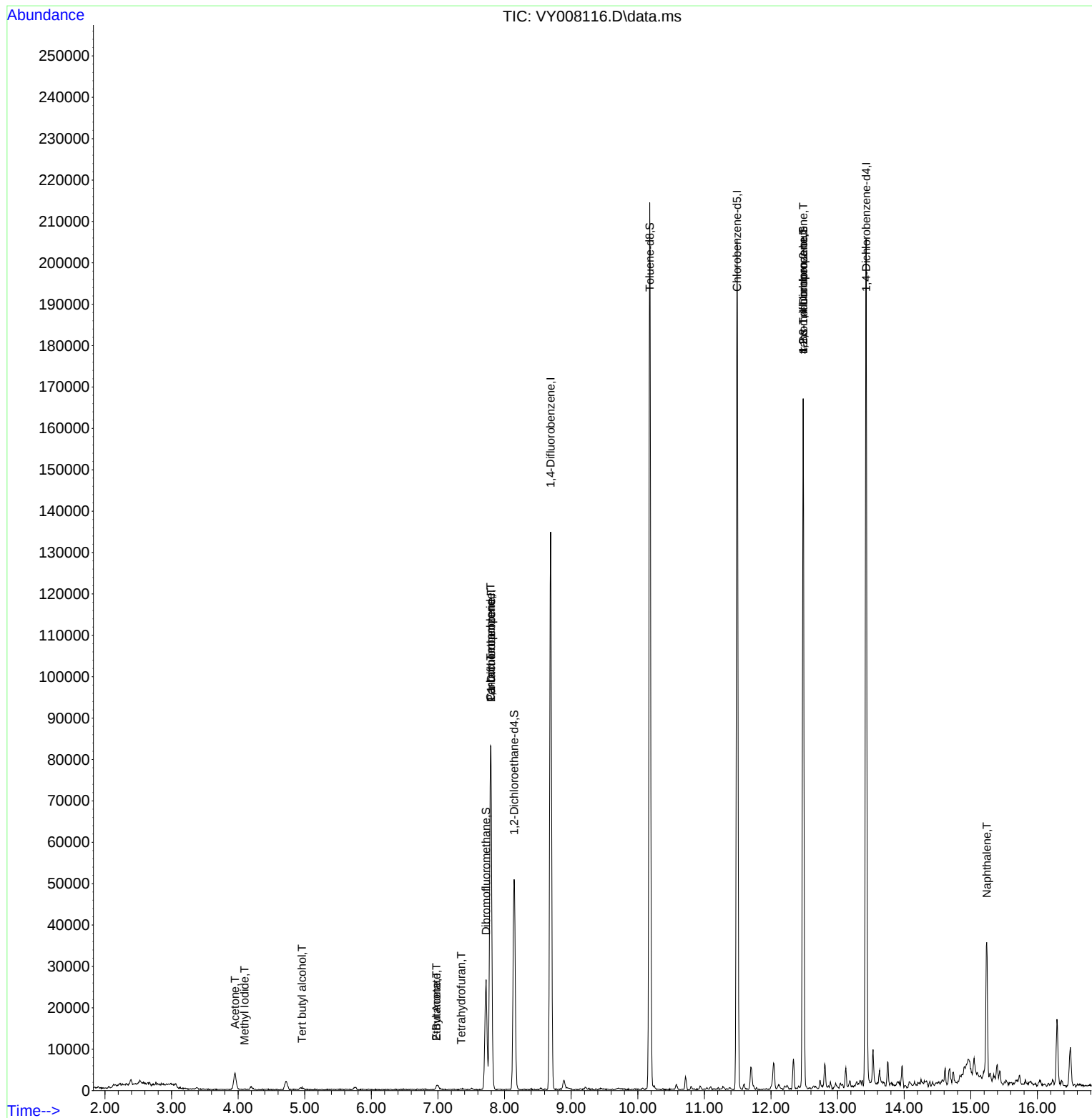
Internal Standards						
1) Pentafluorobenzene	7.795	168	66014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	120531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40583	61.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.540%			
35) Dibromofluoromethane	7.722	113	18657	24.689	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 49.380%#			
50) Toluene-d8	10.179	98	145664	51.162	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.483	95	50756	50.530	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.060%			
Target Compounds						Qvalue
10) Methyl Iodide	4.095	142	180	1.894	ug/l #	35
11) Tert butyl alcohol	4.960	59	1056	15.367	ug/l #	77
16) Acetone	3.954	43	6953	45.929	ug/l #	79
18) Methyl Acetate	4.223	43	48	Below Cal	#	56
20) Methylene Chloride	4.723	84	1733	Below Cal	#	92
25) 2-Butanone	6.978	43	1794	7.787	ug/l	91
29) Tetrahydrofuran	7.350	42	255	1.703	ug/l #	46
36) 1,1-Dichloropropene	7.795	75	5127	4.319	ug/l #	52
37) Ethyl Acetate	6.978	43	1794	3.235	ug/l #	72
38) Carbon Tetrachloride	7.789	117	6930	5.357	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	26443	43.038	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26443	96.024	ug/l #	7
95) Naphthalene	15.239	128	28614	12.973	ug/l	97

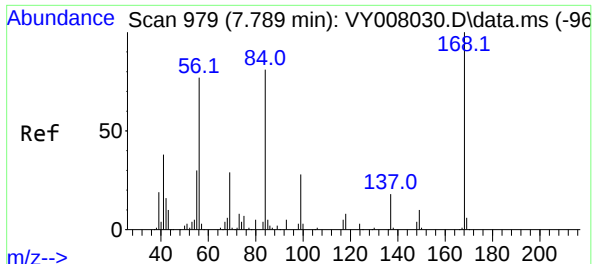
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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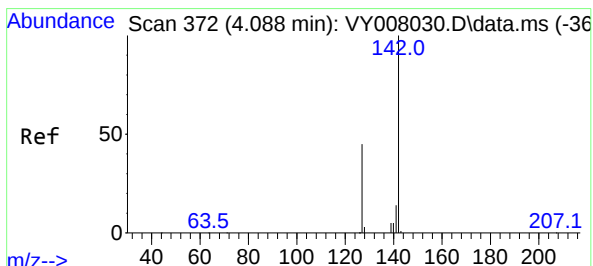
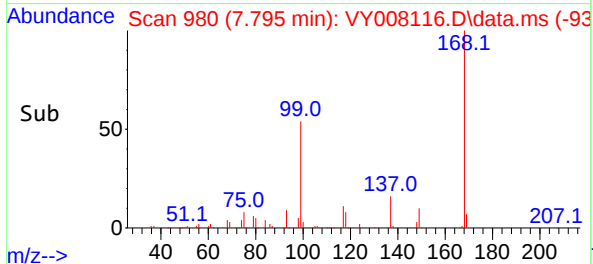
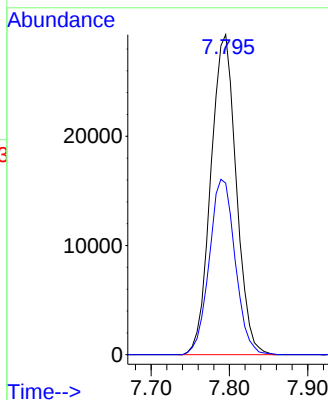
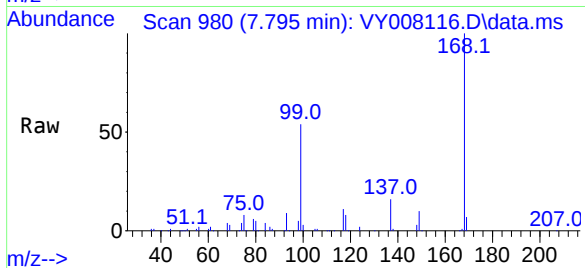




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

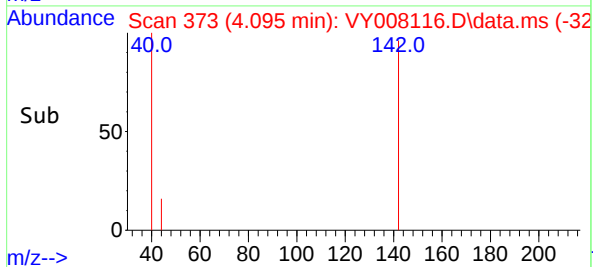
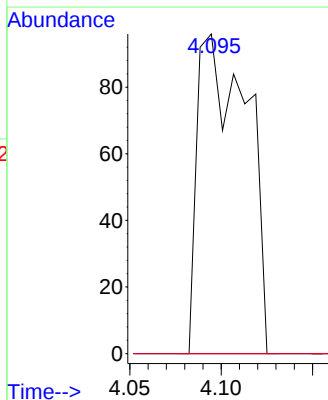
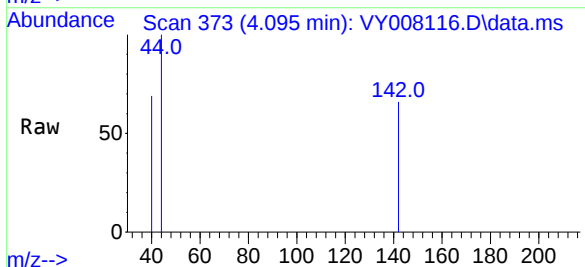
Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE

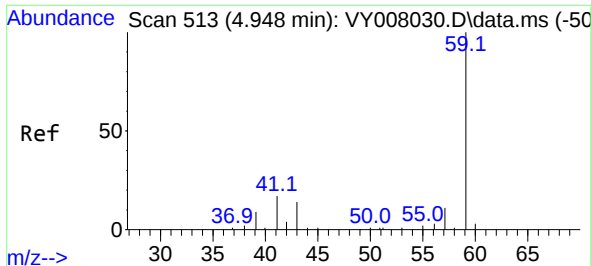
Tgt Ion:168 Resp: 66014
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#10
Methyl Iodide
Concen: 1.894 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

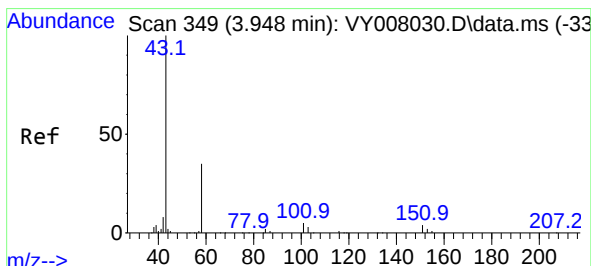
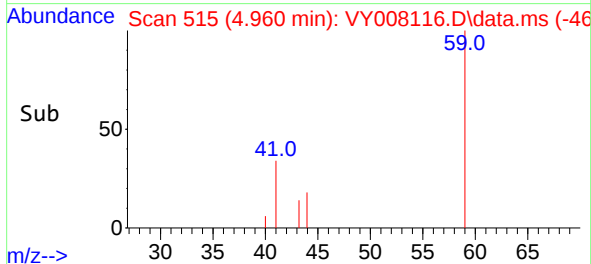
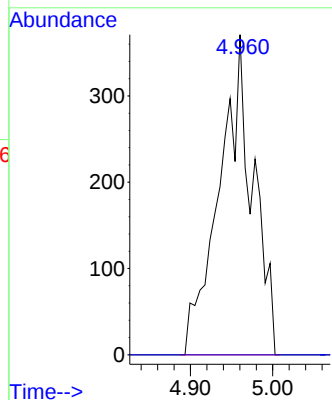
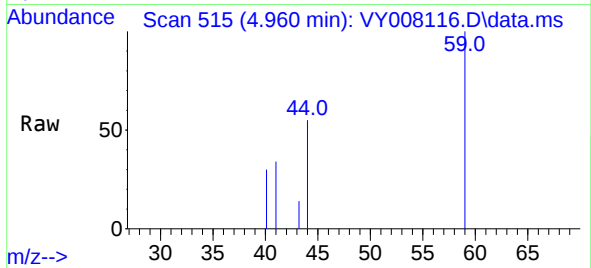




#11
Tert butyl alcohol
Concen: 15.367 ug/l
RT: 4.960 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

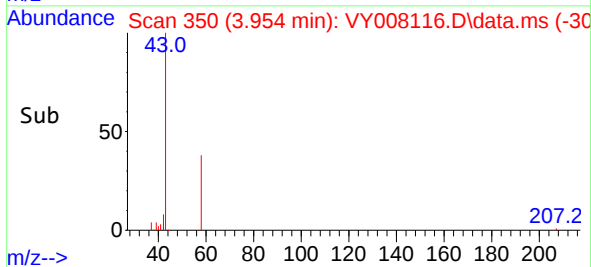
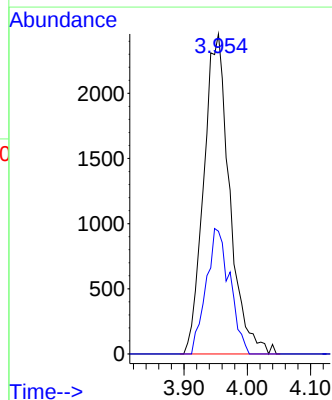
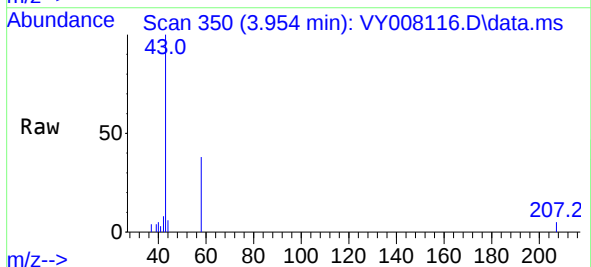
Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE

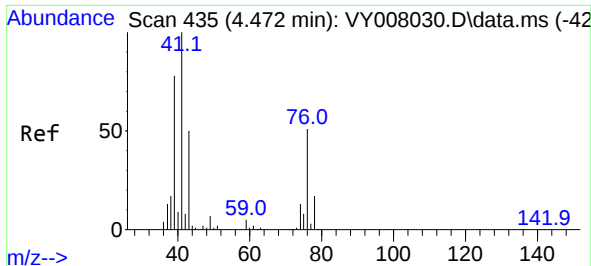
Tgt Ion: 59 Resp: 1056
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 45.929 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Tgt Ion: 43 Resp: 6953
Ion Ratio Lower Upper
43 100
58 38.4 22.0 33.0#

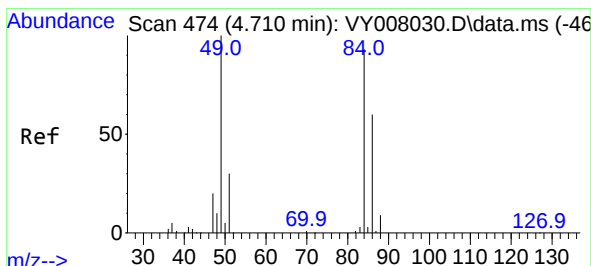
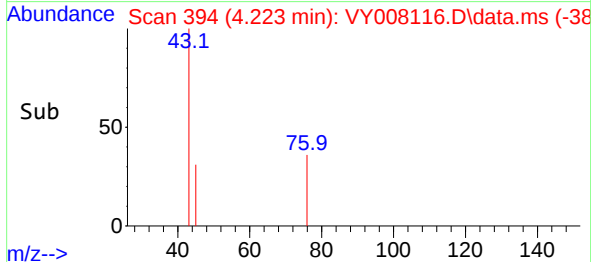
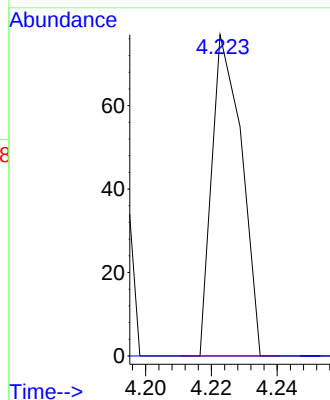
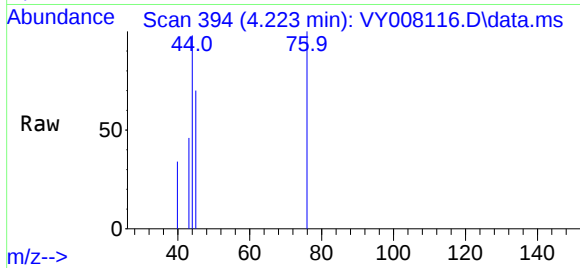




#18
Methyl Acetate
Concen: Below Cal
RT: 4.223 min Scan# 394
Delta R.T. -0.249 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

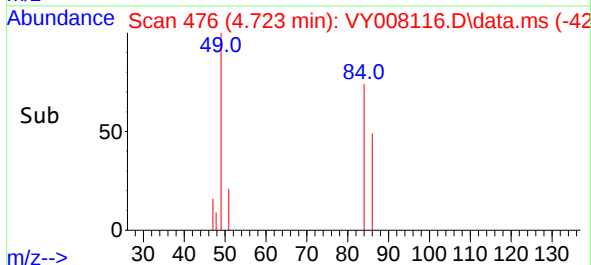
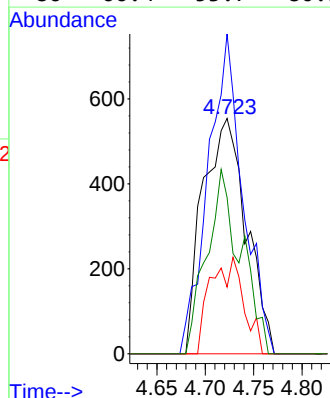
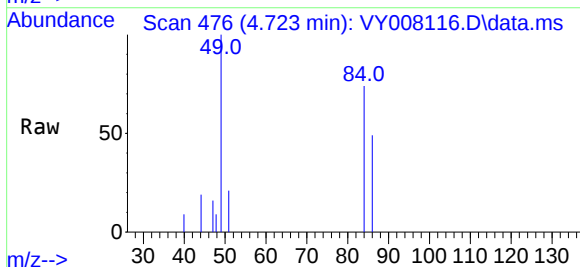
Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE

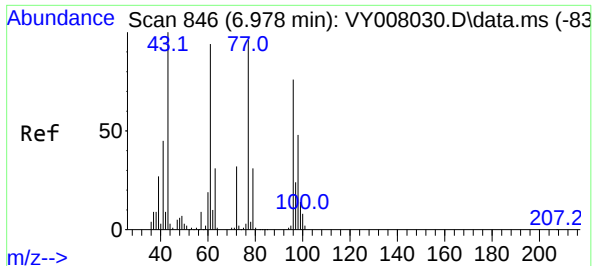
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.013 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Tgt Ion: 84 Resp: 1733
Ion Ratio Lower Upper
84 100
49 135.9 114.4 171.6
51 28.3 35.3 52.9#
86 66.4 53.7 80.5





#25

2-Butanone

Concen: 7.787 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY008116.D

Acq: 30 Mar 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

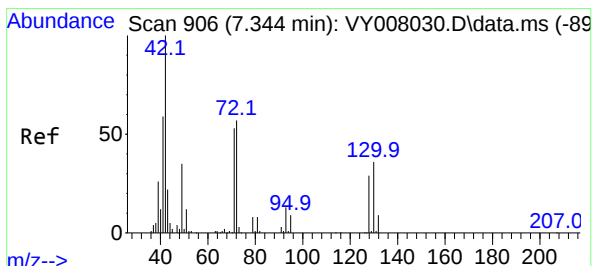
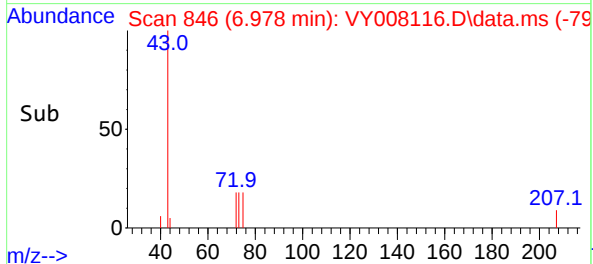
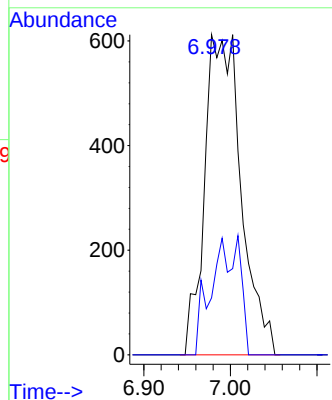
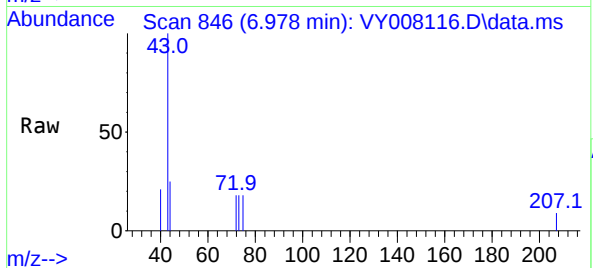
22L076-IRE

Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

72 17.8 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.703 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY008116.D

Acq: 30 Mar 2022 17:39

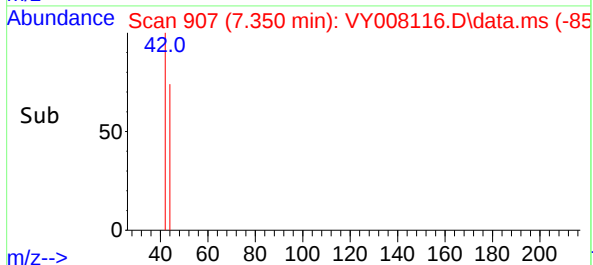
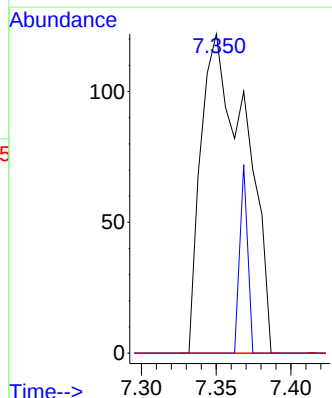
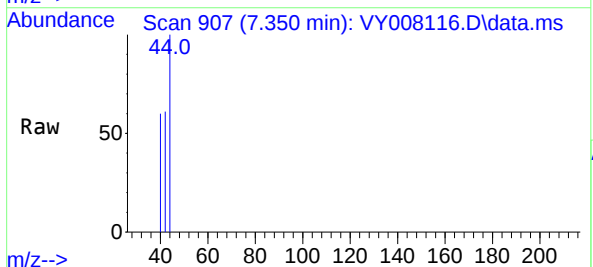
Tgt Ion: 42 Resp: 255

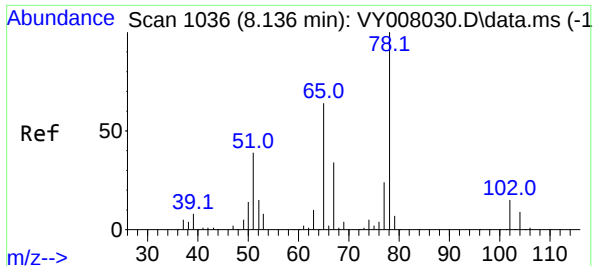
Ion Ratio Lower Upper

42 100

72 10.2 30.3 45.5#

71 0.0 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 61.274 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY008116.D

Acq: 30 Mar 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

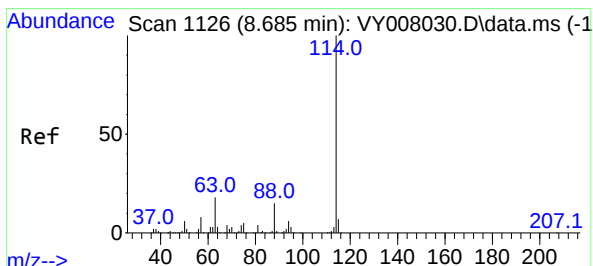
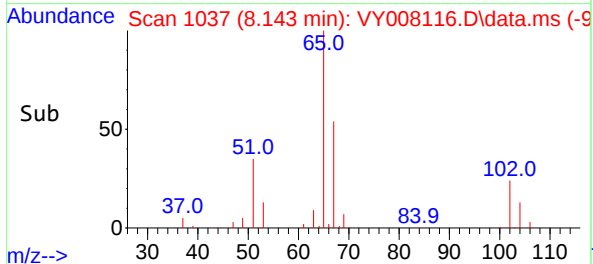
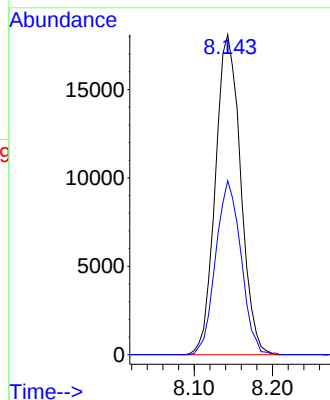
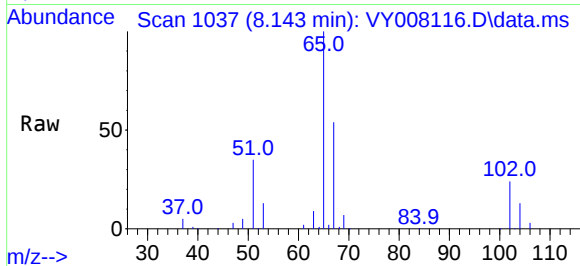
22L076-IRE

Tgt Ion: 65 Resp: 40583

Ion Ratio Lower Upper

65 100

67 54.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008116.D

Acq: 30 Mar 2022 17:39

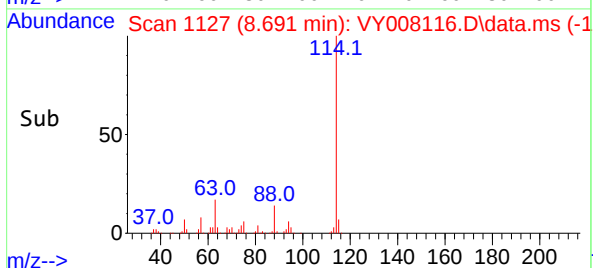
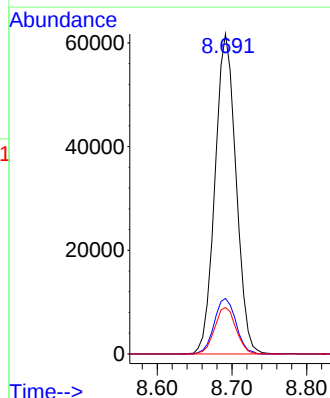
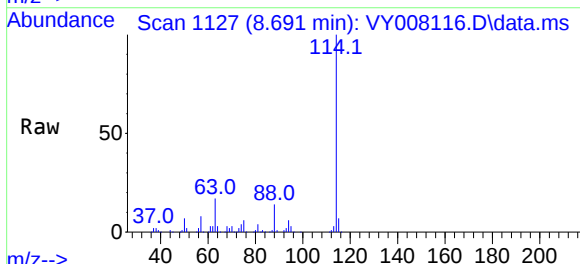
Tgt Ion: 114 Resp: 120531

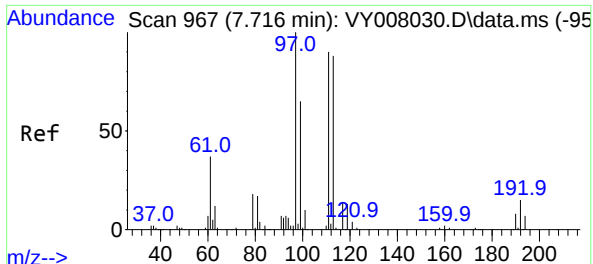
Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.5 0.0 31.8

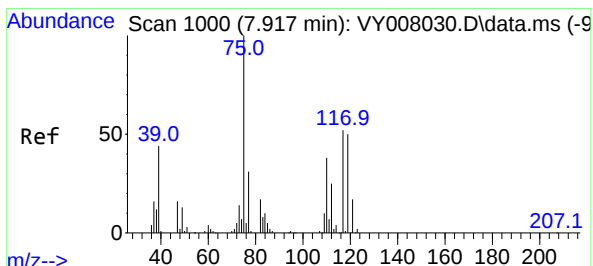
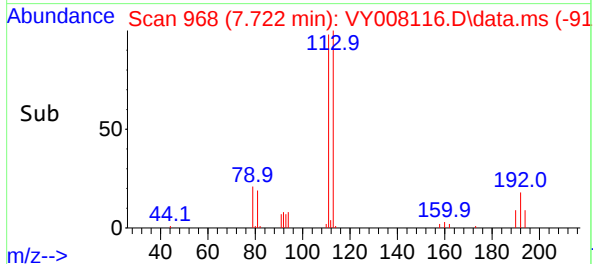
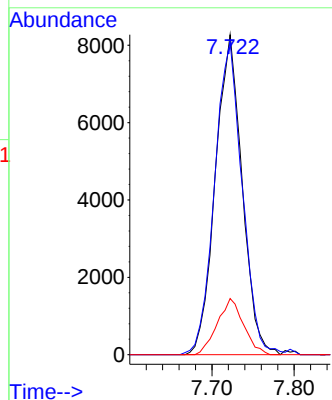
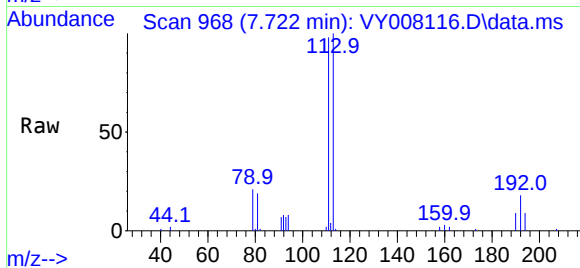




#35
Dibromofluoromethane
Concen: 24.689 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

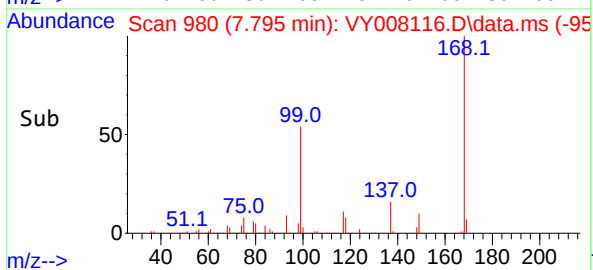
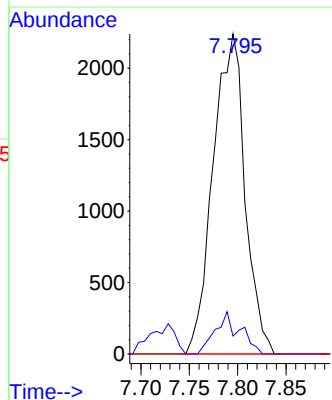
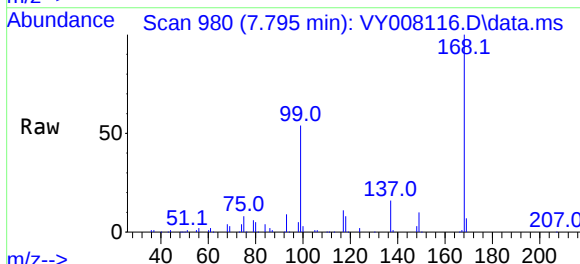
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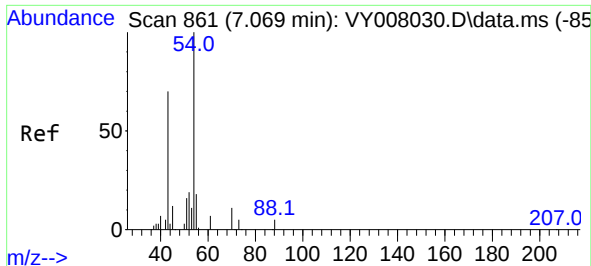
Tgt Ion:113 Resp: 18657
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 17.3 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.319 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Tgt Ion: 75 Resp: 5127
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.235 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY008116.D

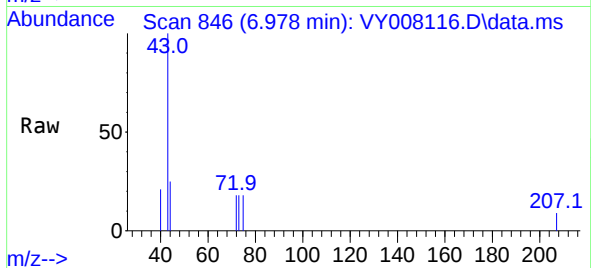
Acq: 30 Mar 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

22L076-IRE



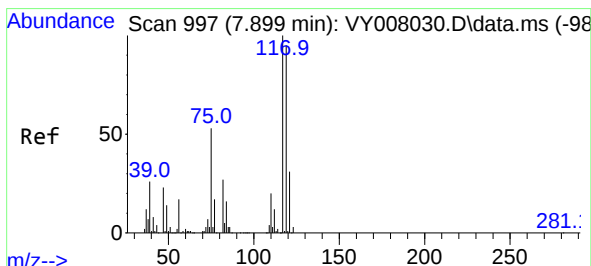
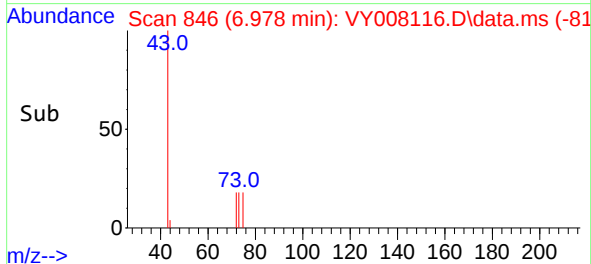
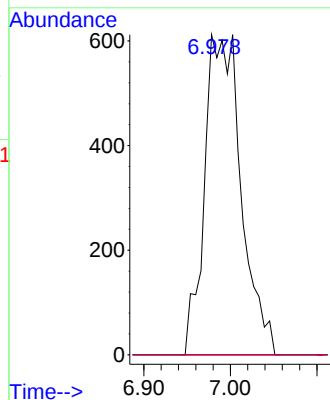
Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.357 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008116.D

Acq: 30 Mar 2022 17:39

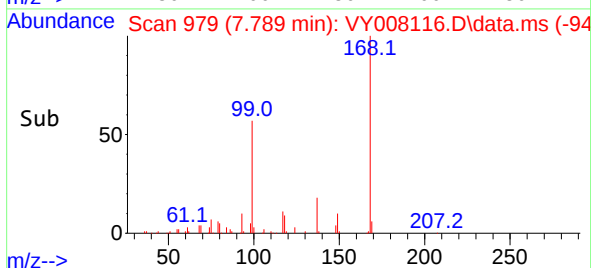
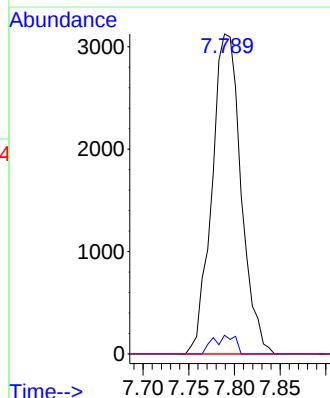
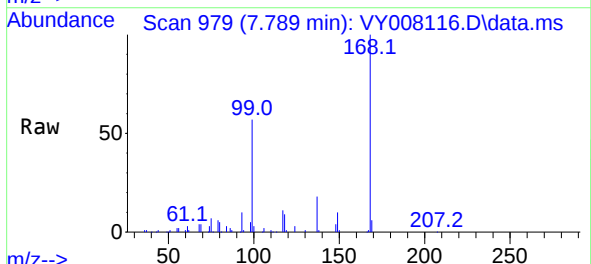
Tgt Ion: 117 Resp: 6930

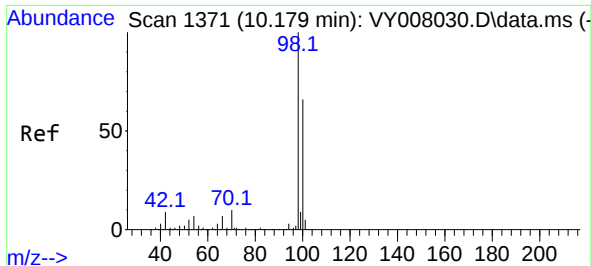
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

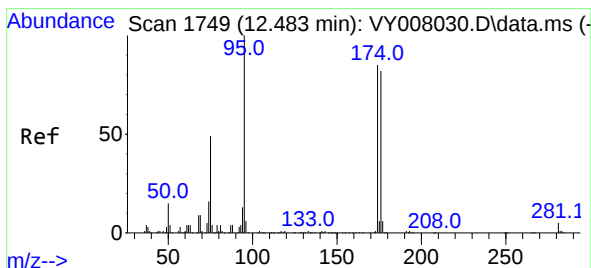
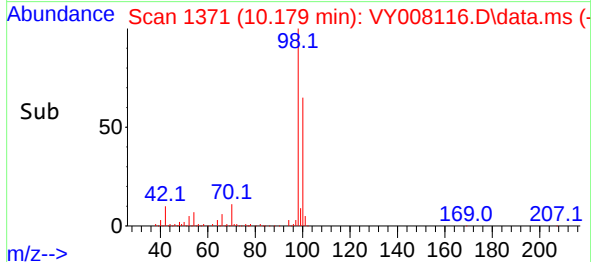
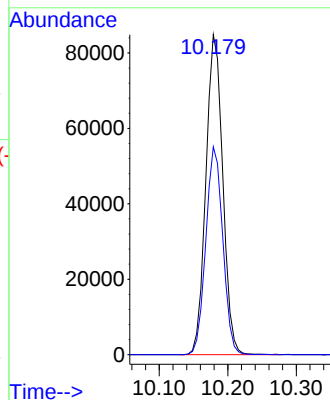
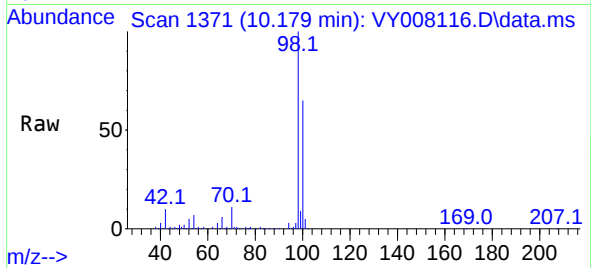




#50
Toluene-d8
Concen: 51.162 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

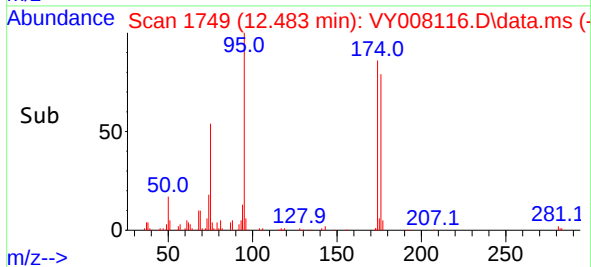
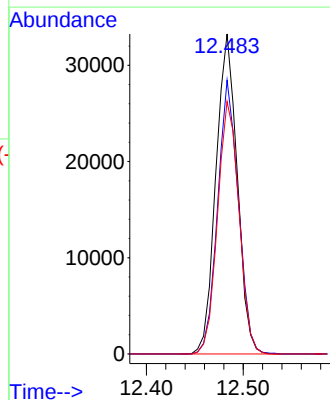
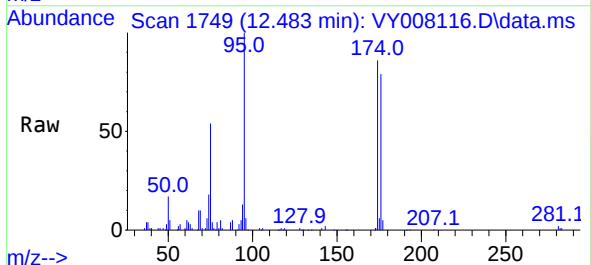
Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE

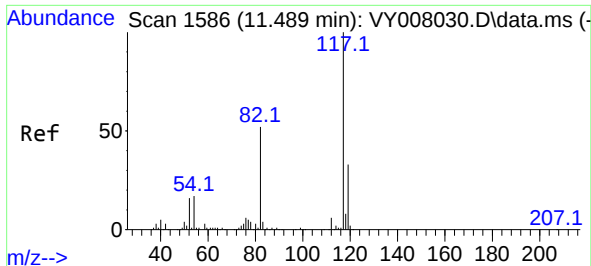
Tgt Ion: 98 Resp: 145664
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.530 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Tgt Ion: 95 Resp: 50756
Ion Ratio Lower Upper
95 100
174 83.2 0.0 177.0
176 79.2 0.0 175.8

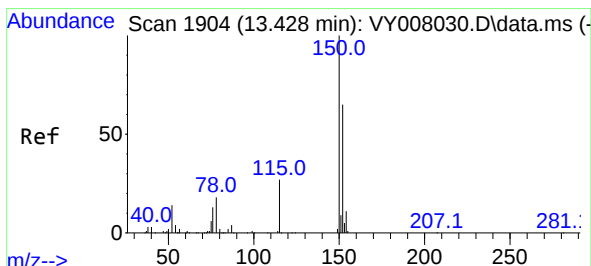
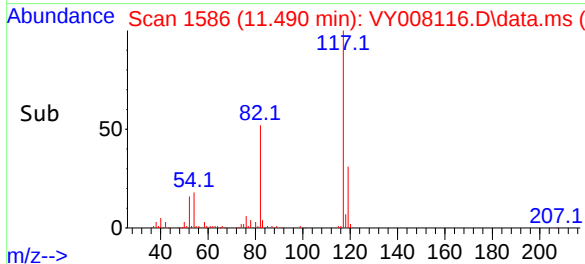
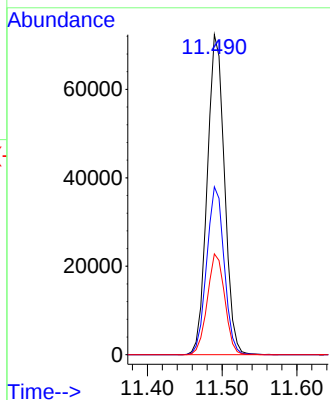
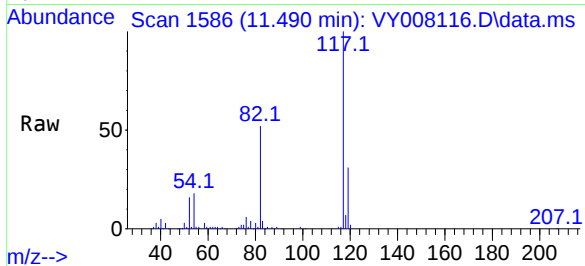




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

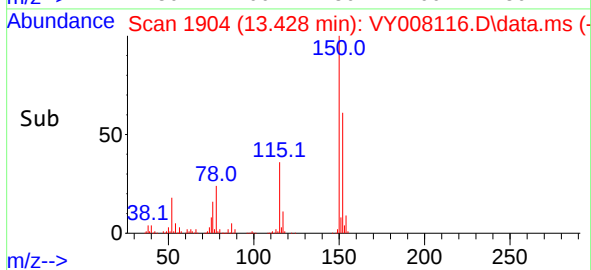
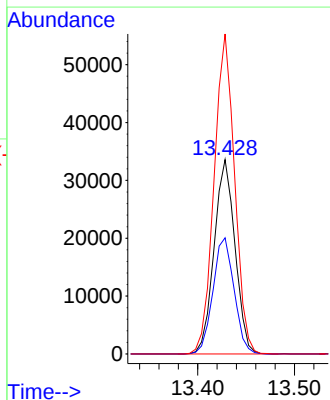
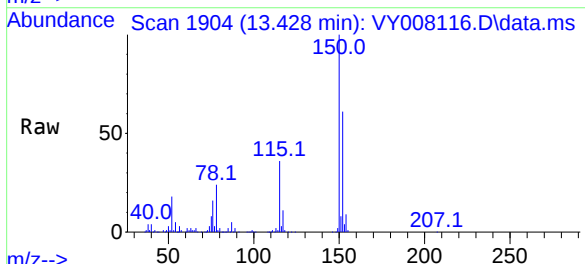
Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE

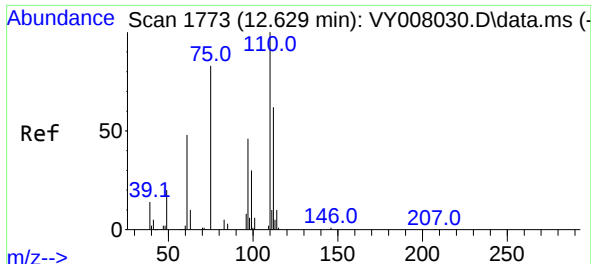
Tgt Ion:117 Resp: 116088
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Tgt Ion:152 Resp: 50403
Ion Ratio Lower Upper
152 100
115 60.5 28.2 84.7
150 161.8 0.0 347.6

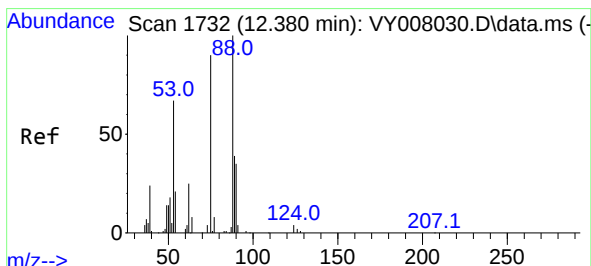
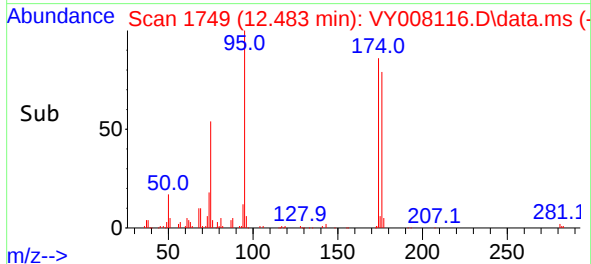
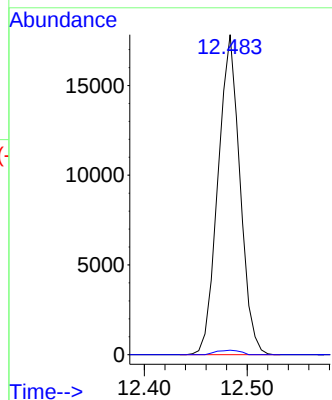
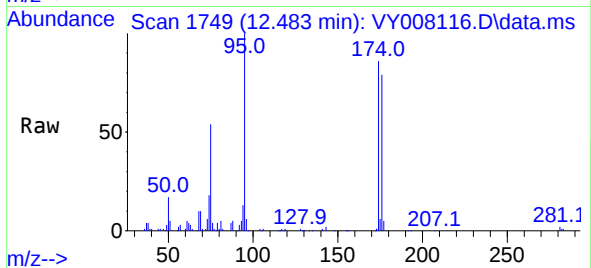




#76
1,2,3-Trichloropropane
Concen: 43.038 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

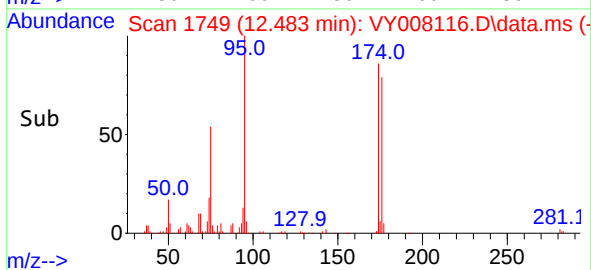
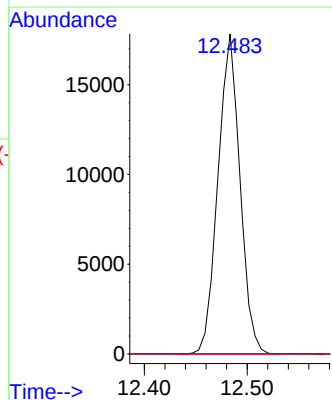
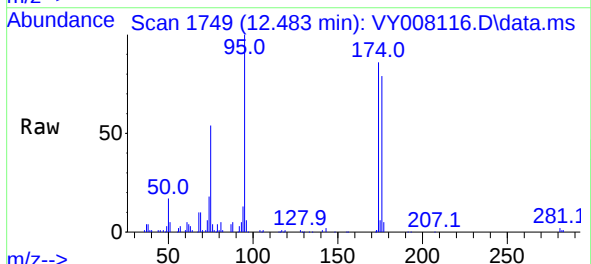
Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE

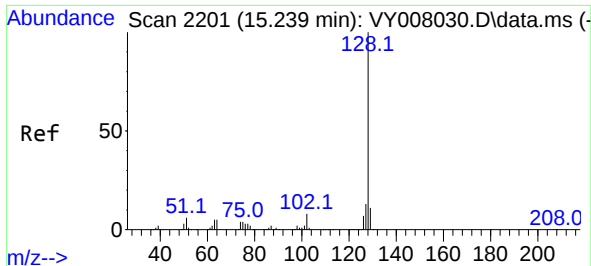
Tgt Ion: 75 Resp: 26443
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.024 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

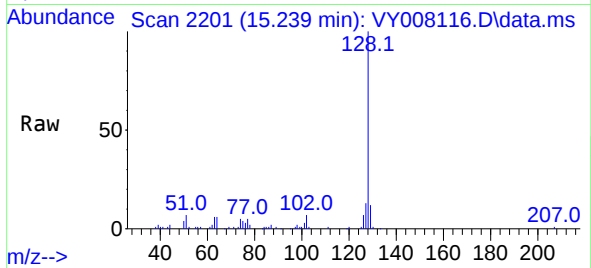
Tgt Ion: 75 Resp: 26443
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 12.973 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008116.D
Acq: 30 Mar 2022 17:39

Instrument :
MSVOA_Y
ClientSampleId :
22L076-IRE



Tgt Ion:	128	Resp:	28614
Ion	Ratio	Lower	Upper
128	100		
127	12.3	11.0	16.4
129	11.7	8.4	12.6

