

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004439.D
 Acq On : 15 Apr 2021 14:34
 Operator : SY/MD
 Sample : M2040-09
 Misc : 5.43G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:04:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

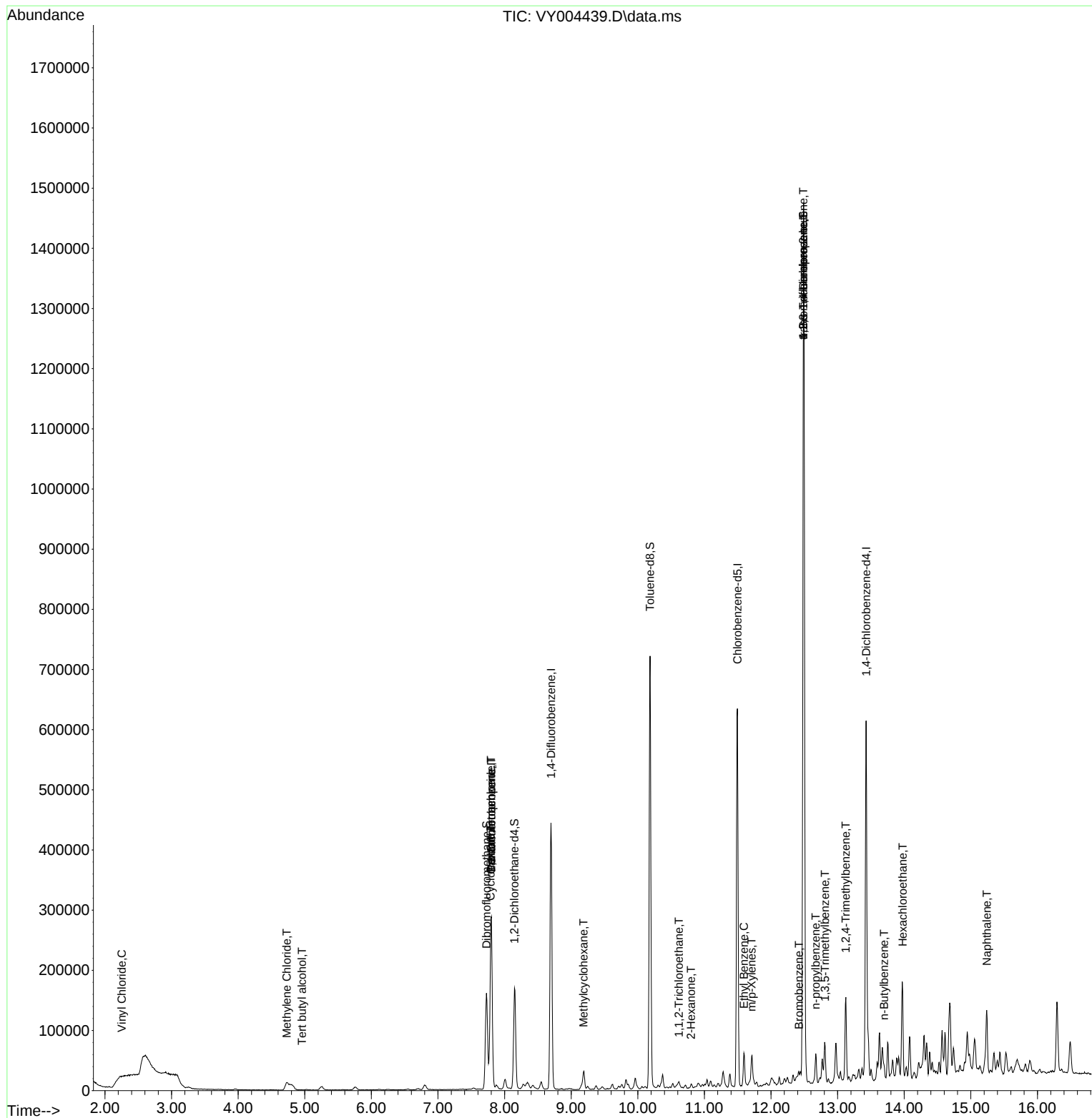
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	215694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	374282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	340899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143830	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	132272	55.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.38%			
35) Dibromofluoromethane	7.728	113	111966	53.91	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.82%			
50) Toluene-d8	10.185	98	454504	51.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.88%			
62) 4-Bromofluorobenzene	12.483	95	155630	51.91	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.82%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	20823	6.82	ug/l #	43
11) Tert butyl alcohol	4.960	59	502	2.13	ug/l #	73
16) Acetone	3.954	43	2071	Below Cal		90
20) Methylene Chloride	4.728	84	7652	3.31	ug/l	92
31) Cyclohexane	7.789	56	9612	2.19	ug/l #	48
36) 1,1-Dichloropropene	7.801	75	17006	4.57	ug/l #	50
38) Carbon Tetrachloride	7.795	117	21661	6.74	ug/l #	16
39) Methylcyclohexane	9.185	83	12066	2.64	ug/l	96
55) 1,1,2-Trichloroethane	10.617	97	3012	1.49	ug/l #	18
59) 2-Hexanone	10.800	43	2923	1.87	ug/l #	27
67) Ethyl Benzene	11.593	91	35339	2.71	ug/l	99
68) m/p-Xylenes	11.709	106	7575	1.57	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	91916	59.54	ug/l #	100
77) Bromobenzene	12.422	156	3028	1.22	ug/l #	1
78) n-propylbenzene	12.672	91	36298	2.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	9571	1.06	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	91916	106.52	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	73353	8.05	ug/l	98
89) n-Butylbenzene	13.696	91	15569	1.66	ug/l #	74
90) Hexachloroethane	13.977	117	5104	3.88	ug/l #	13
95) Naphthalene	15.239	128	78297	13.19	ug/l	99

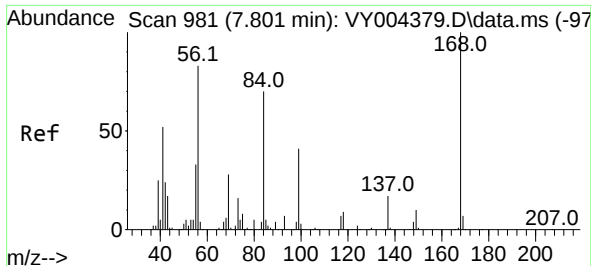
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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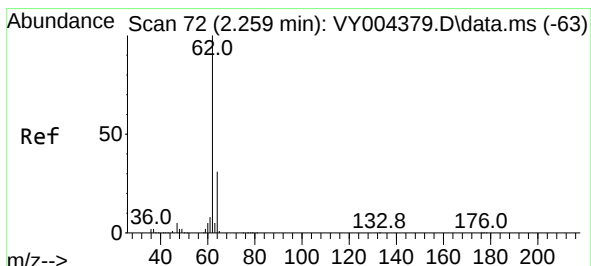
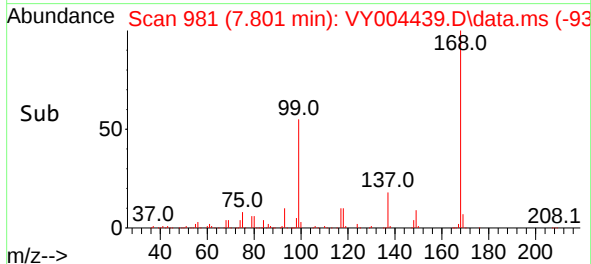
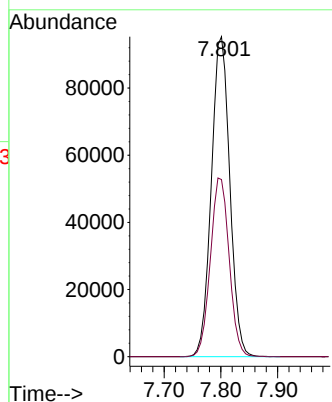
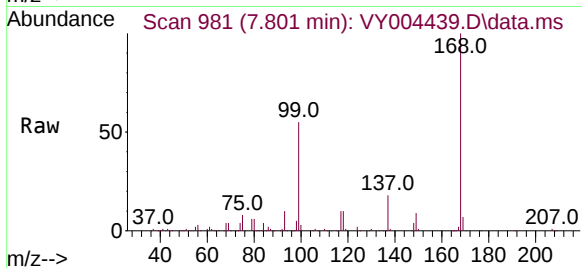




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

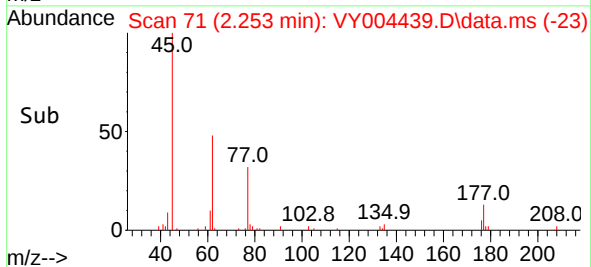
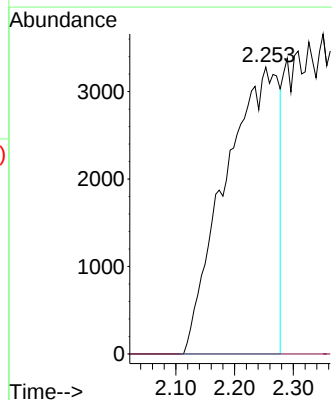
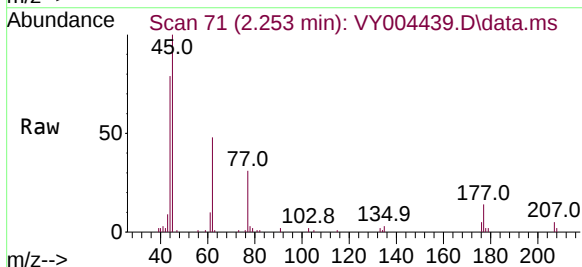
Instrument :
MSVOA_Y
ClientSampled :

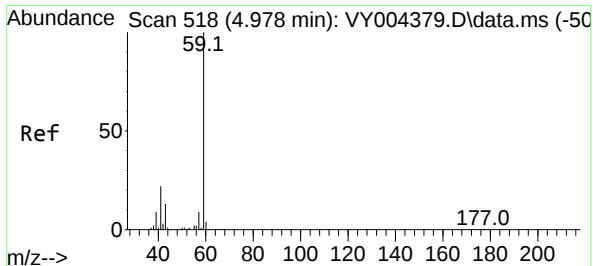
Tgt Ion:168 Resp: 215694
Ion Ratio Lower Upper
168 100
99 55.3 45.5 68.3



#4
Vinyl Chloride
Concen: 6.82 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 62 Resp: 20823
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.13 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.018 min

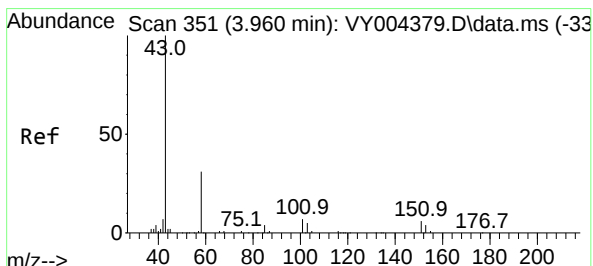
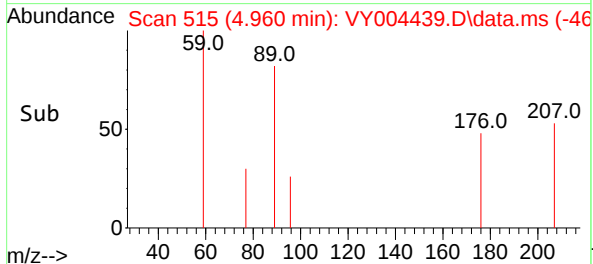
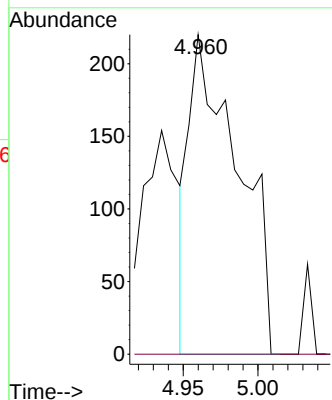
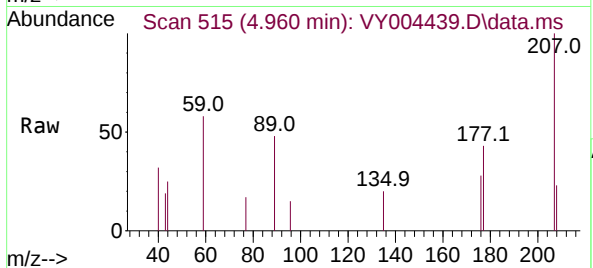
Lab File: VY004439.D

Acq: 15 Apr 2021 14:34

Tgt Ion: 59 Resp: 502

Ion Ratio Lower Upper

59 100
57 0.0 8.1 12.1#



#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 350

Delta R.T. -0.006 min

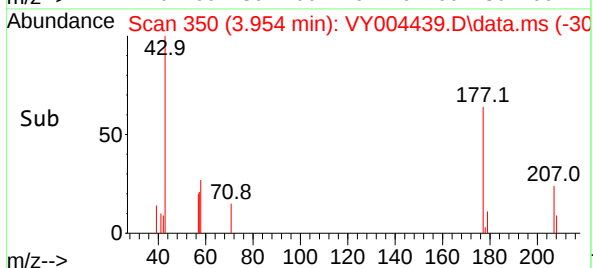
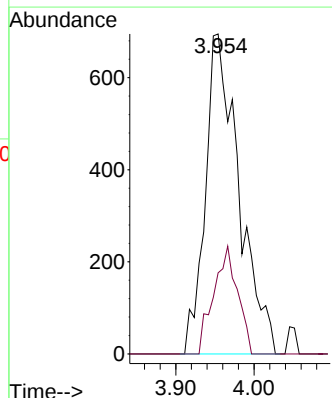
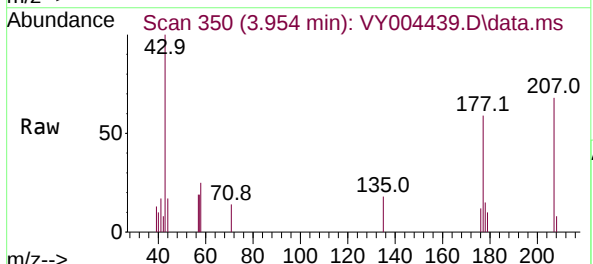
Lab File: VY004439.D

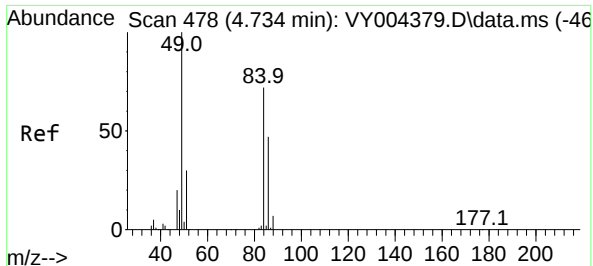
Acq: 15 Apr 2021 14:34

Tgt Ion: 43 Resp: 2071

Ion Ratio Lower Upper

43 100
58 25.3 24.6 37.0





#20

Methylene Chloride

Concen: 3.31 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY004439.D

Acq: 15 Apr 2021 14:34

Tgt Ion: 84 Resp: 7652

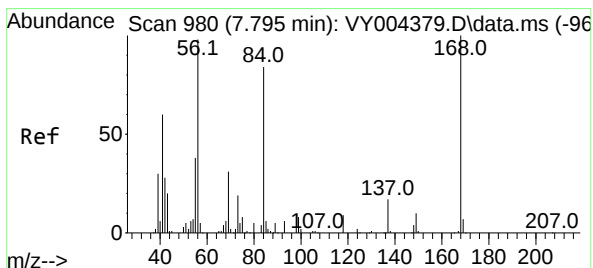
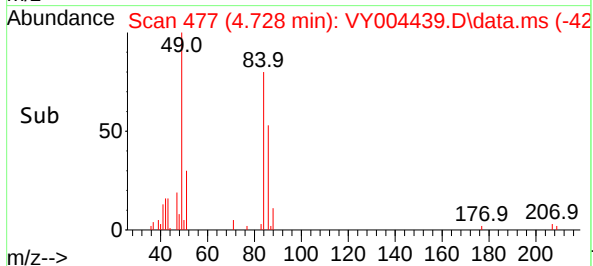
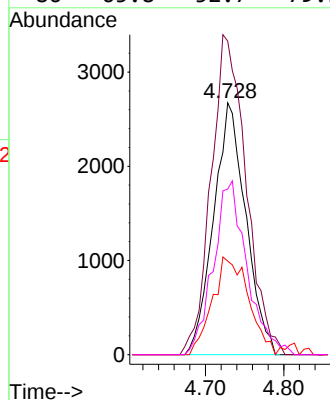
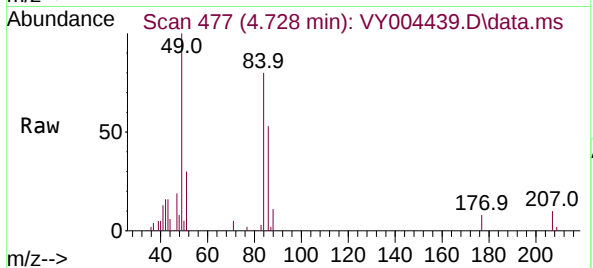
Ion Ratio Lower Upper

84 100

49 124.5 111.2 166.8

51 37.2 33.4 50.2

86 65.8 52.7 79.1



#31

Cyclohexane

Concen: 2.19 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY004439.D

Acq: 15 Apr 2021 14:34

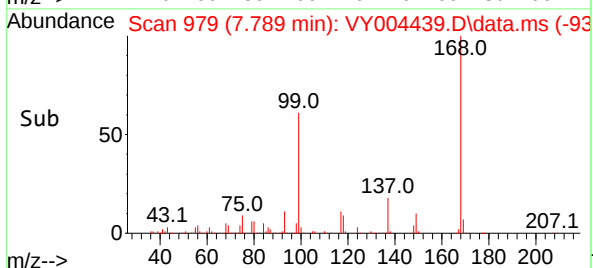
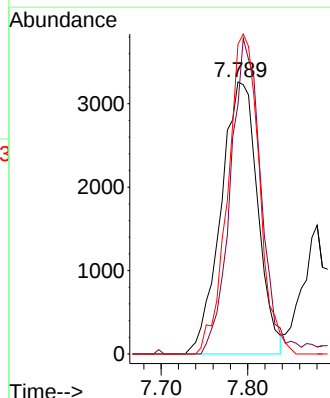
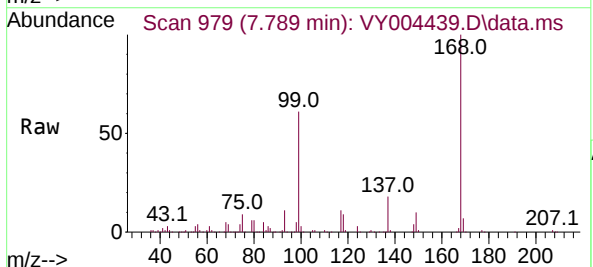
Tgt Ion: 56 Resp: 9612

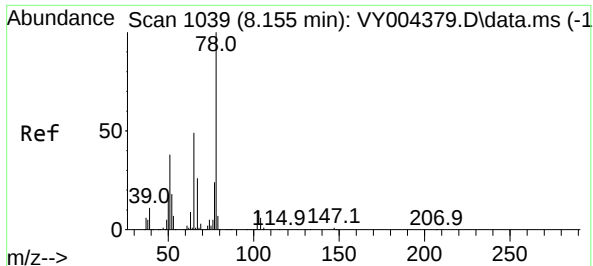
Ion Ratio Lower Upper

56 100

69 91.6 25.8 38.6#

84 113.8 68.2 102.4#





#33

1,2-Dichloroethane-d4

Concen: 55.19 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY004439.D

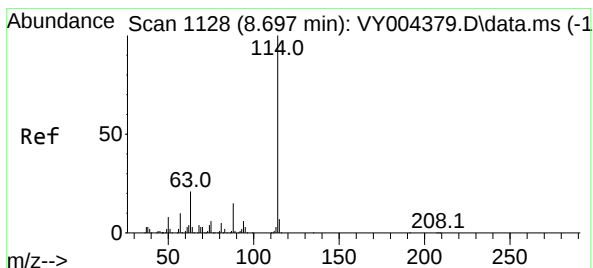
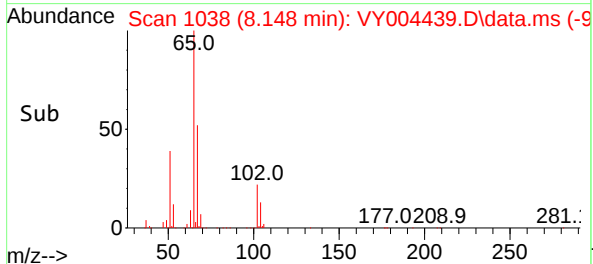
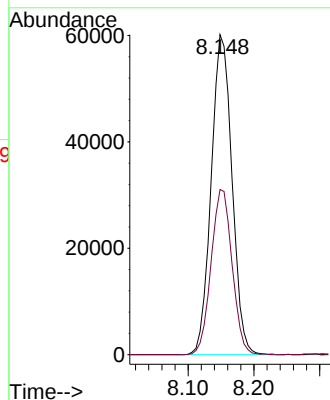
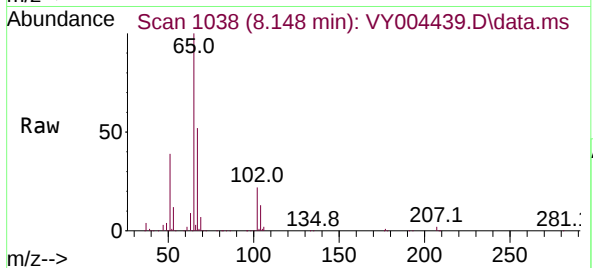
Acq: 15 Apr 2021 14:34

Tgt Ion: 65 Resp: 132272

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004439.D

Acq: 15 Apr 2021 14:34

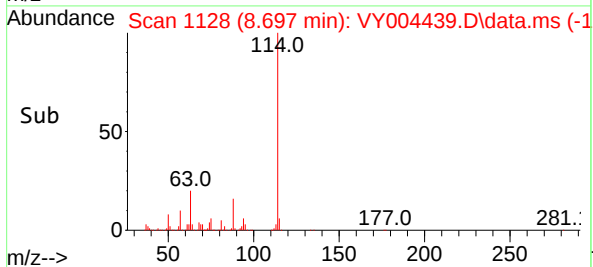
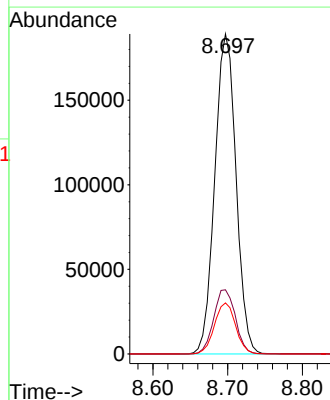
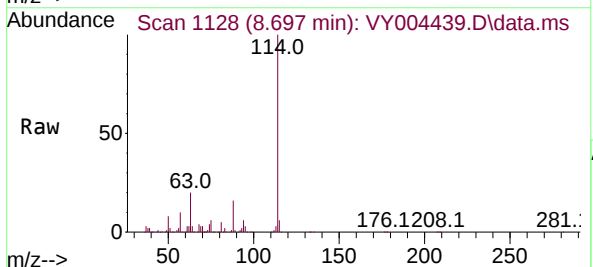
Tgt Ion: 114 Resp: 374282

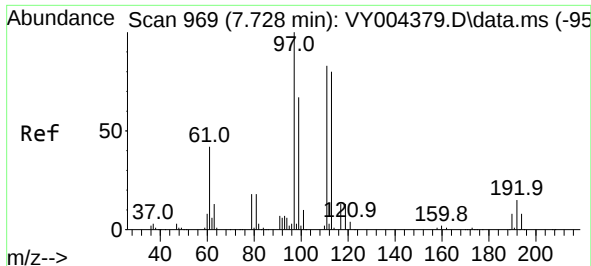
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

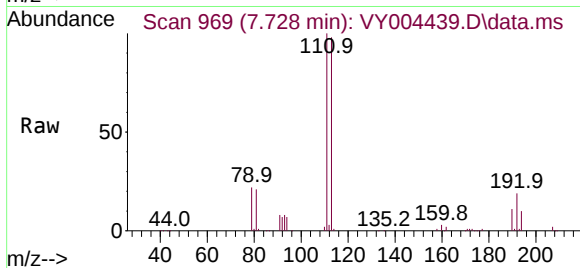
88 16.0 0.0 30.8



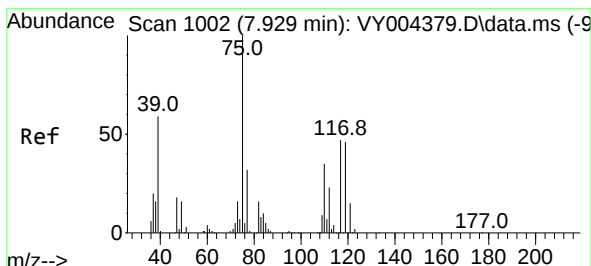
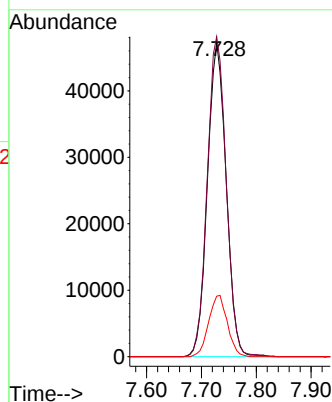
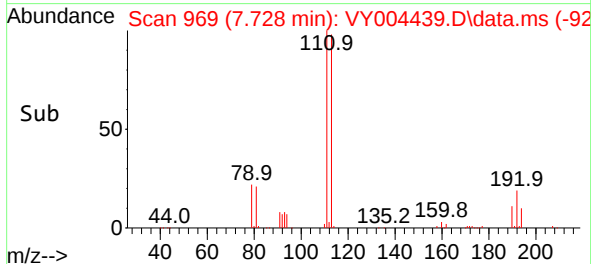


#35
Dibromofluoromethane
Concen: 53.91 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

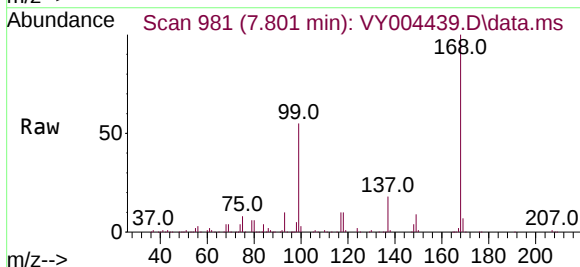
Instrument :
MSVOA_Y
ClientSampleId :



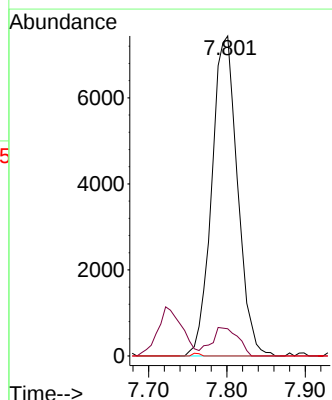
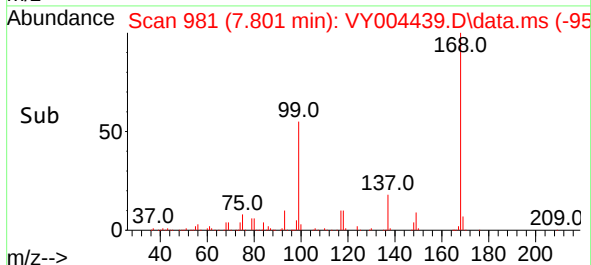
Tgt Ion:113 Resp: 111966
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 19.5 16.1 24.1

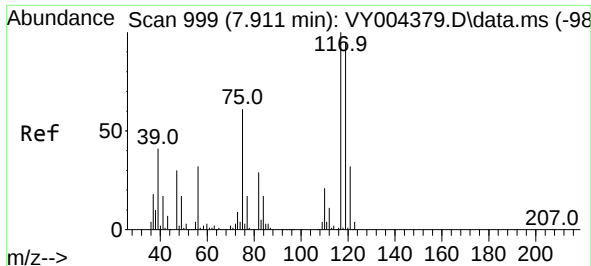


#36
1,1-Dichloropropene
Concen: 4.57 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34



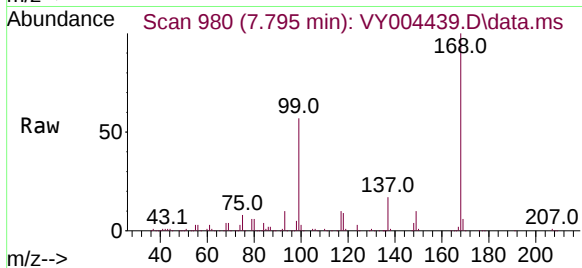
Tgt Ion: 75 Resp: 17006
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.7#
77 0.0 24.3 36.5#



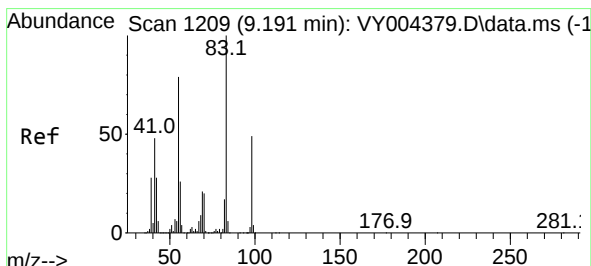
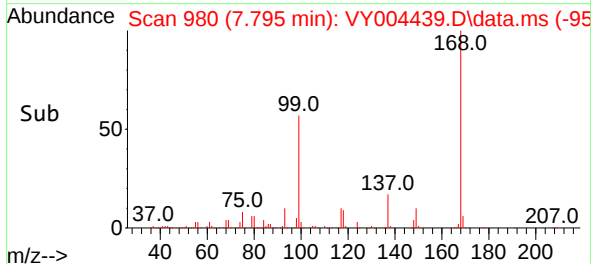
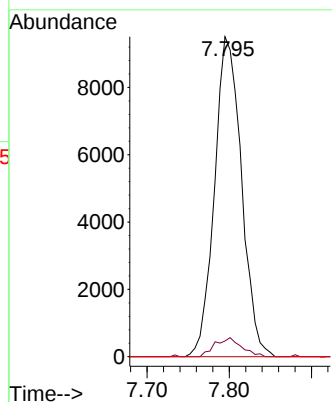


#38
Carbon Tetrachloride
Concen: 6.74 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Instrument :
MSVOA_Y
ClientSampleId :

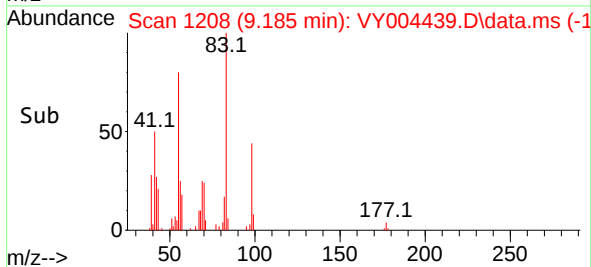
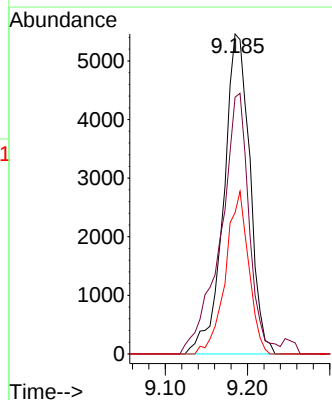
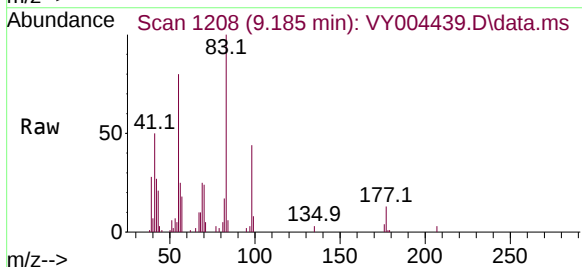


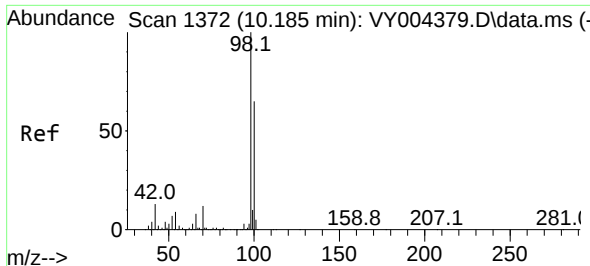
Tgt Ion:117 Resp: 21661
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 25.3 37.9#



#39
Methylcyclohexane
Concen: 2.64 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 83 Resp: 12066
Ion Ratio Lower Upper
83 100
55 80.2 63.0 94.4
98 44.1 39.2 58.8

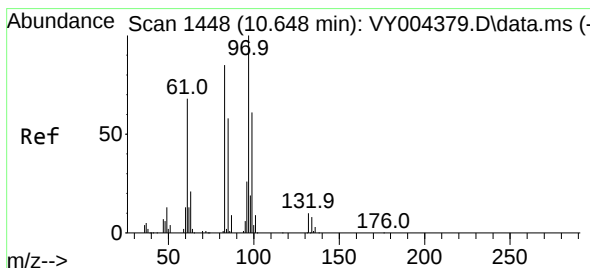
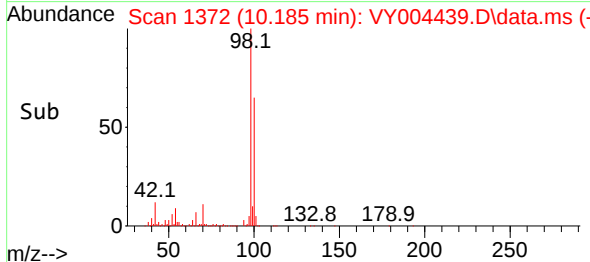
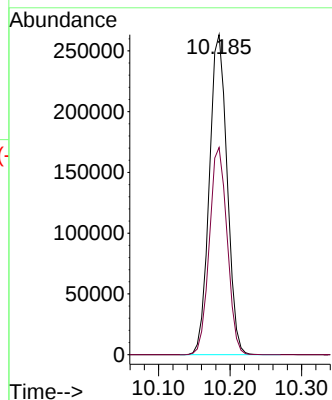
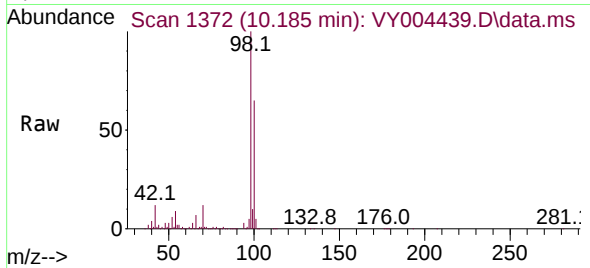




#50
Toluene-d8
Concen: 51.44 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

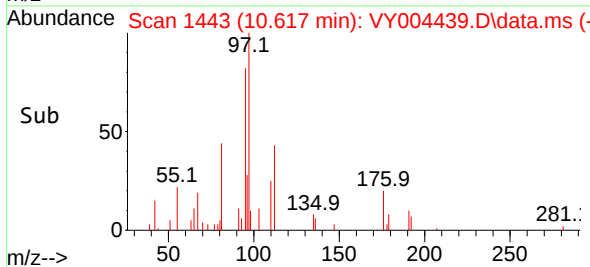
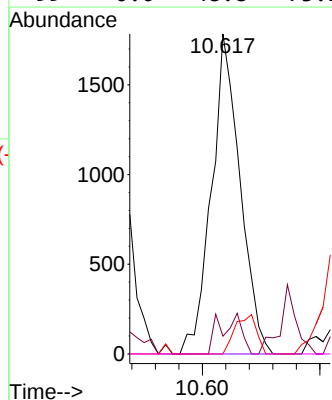
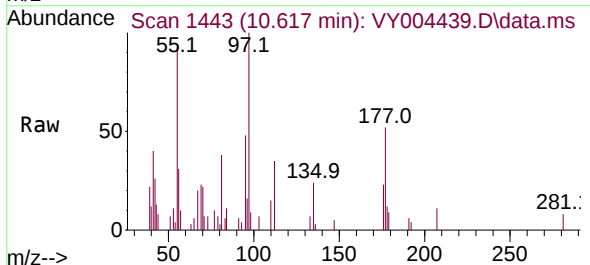
Instrument :
MSVOA_Y
ClientSampled :

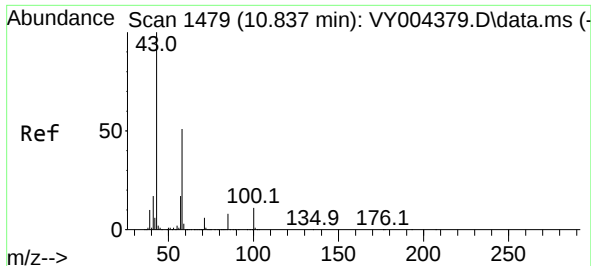
Tgt Ion: 98 Resp: 454504
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.49 ug/l
RT: 10.617 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 97 Resp: 3012
Ion Ratio Lower Upper
97 100
83 5.5 68.4 102.6#
85 0.0 46.2 69.4#
99 0.0 48.8 73.2#

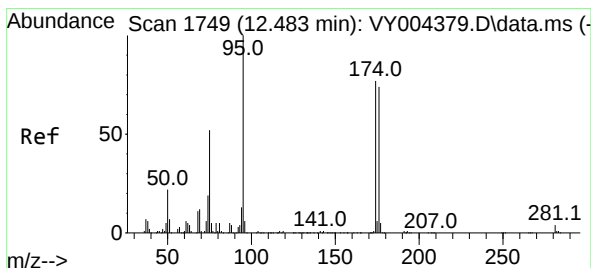
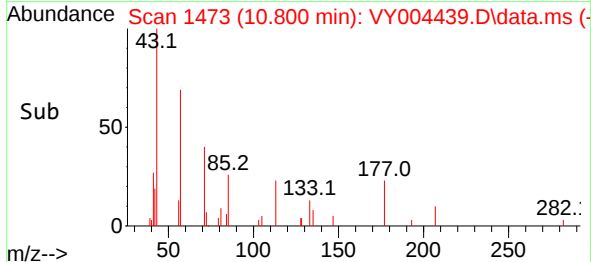
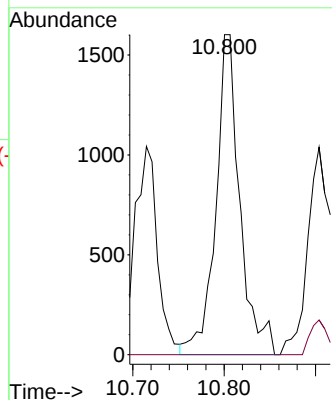
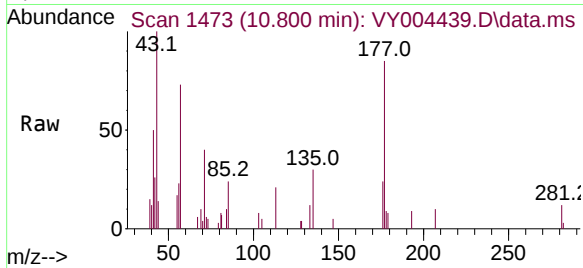




#59
2-Hexanone
Concen: 1.87 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

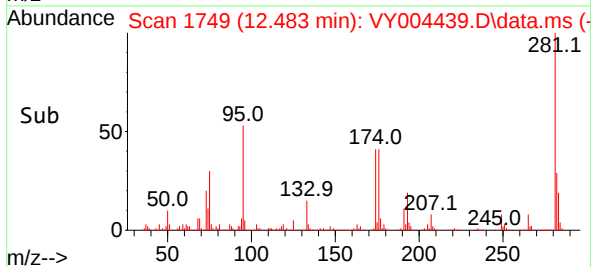
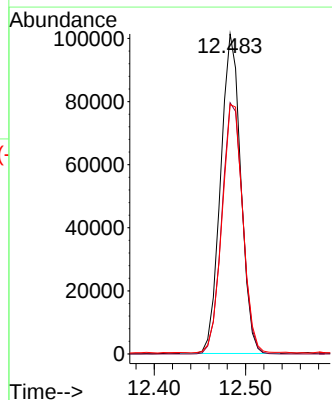
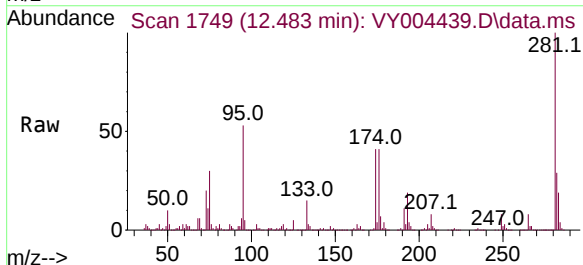
Instrument :
MSVOA_Y
ClientSampleId :

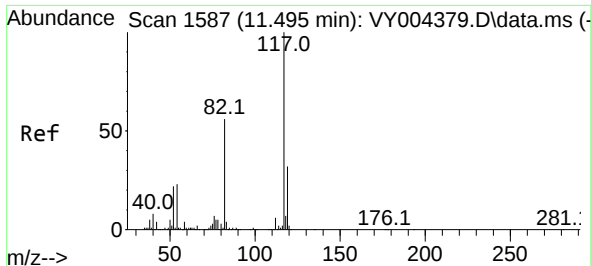
Tgt Ion: 43 Resp: 2923
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 51.91 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 95 Resp: 155630
Ion Ratio Lower Upper
95 100
174 80.7 0.0 162.4
176 80.4 0.0 156.0

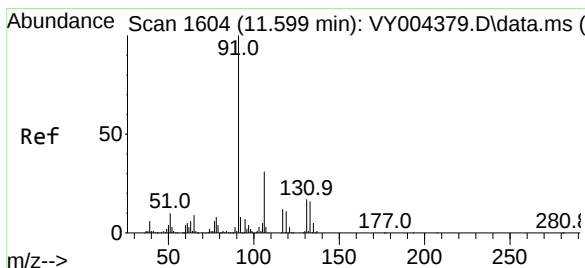
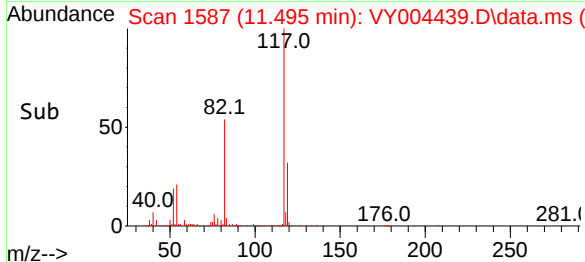
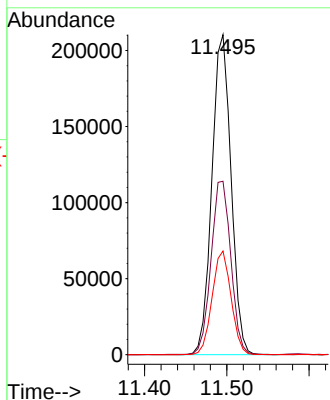
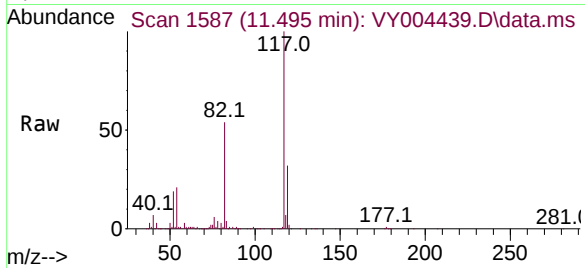




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

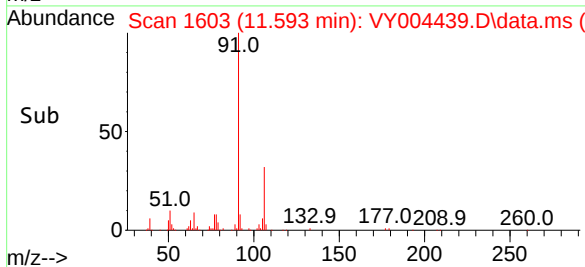
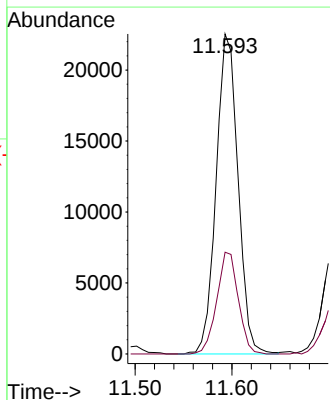
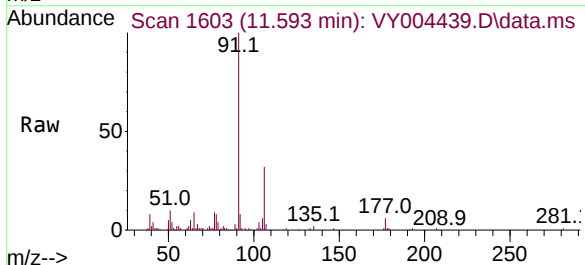
Instrument :
MSVOA_Y
ClientSampleId :

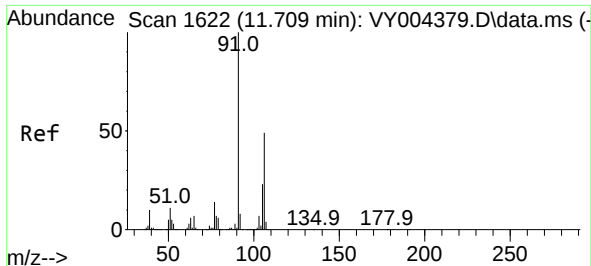
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.9	67.3
119	32.4	25.4	38.0



#67
Ethyl Benzene
Concen: 2.71 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.1	37.7

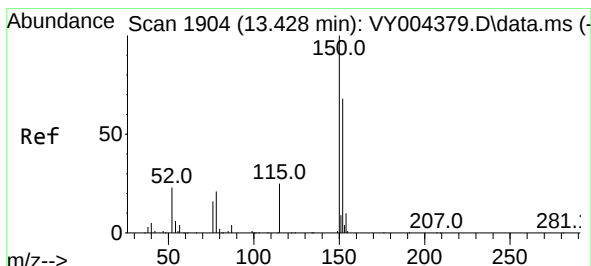
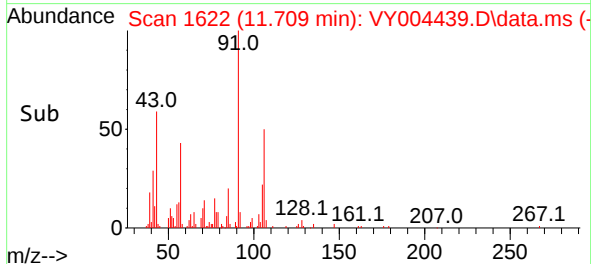
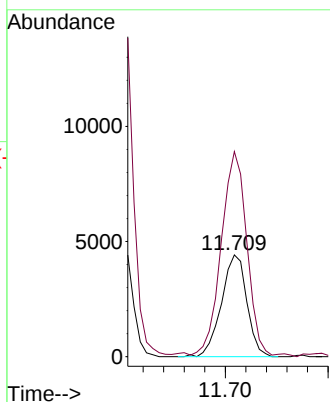
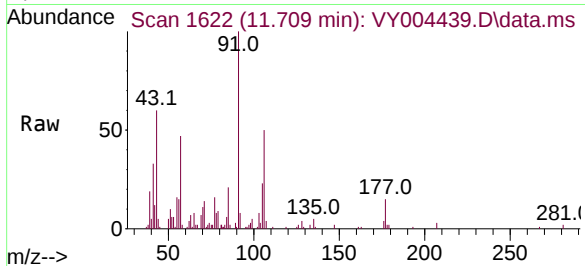




#68
m/p-Xylenes
Concen: 1.57 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

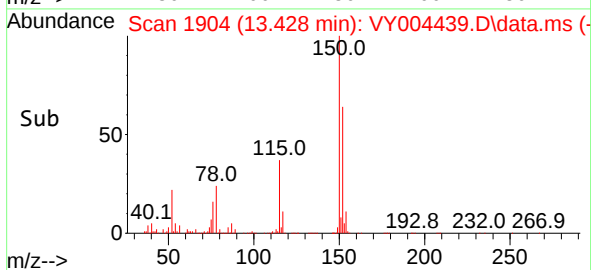
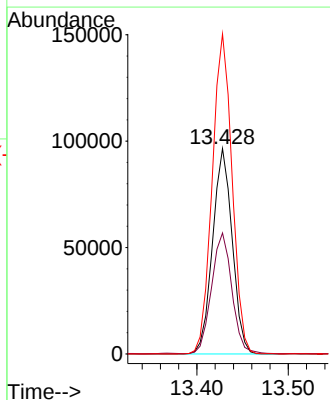
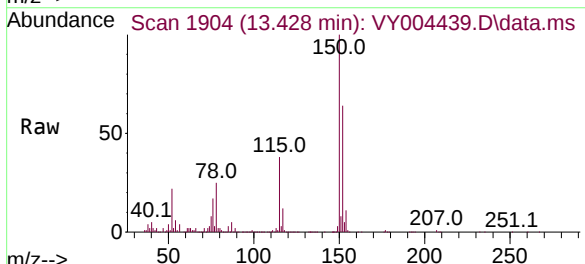
Instrument :
MSVOA_Y
ClientSampleId :

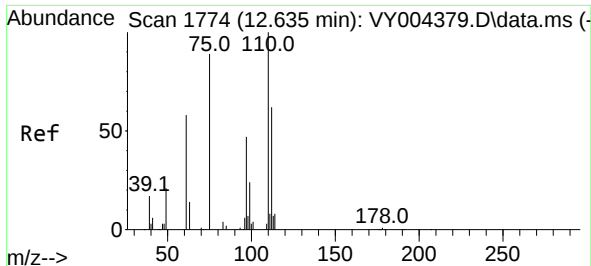
Tgt Ion:106 Resp: 7575
Ion Ratio Lower Upper
106 100
91 206.9 163.2 244.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion:152 Resp: 143830
Ion Ratio Lower Upper
152 100
115 60.7 29.6 88.8
150 157.7 0.0 348.4

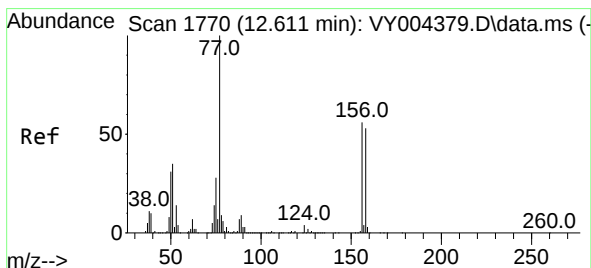
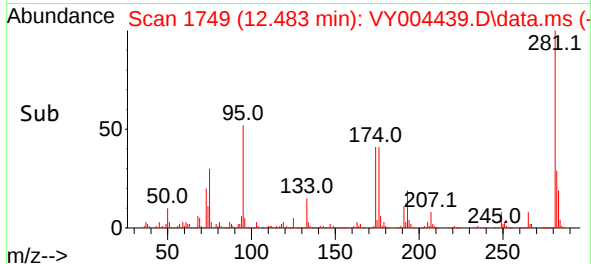
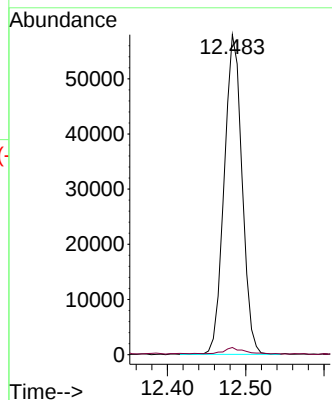
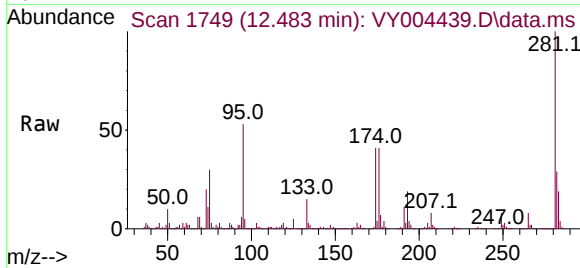




#76
1,2,3-Trichloropropane
Concen: 59.54 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

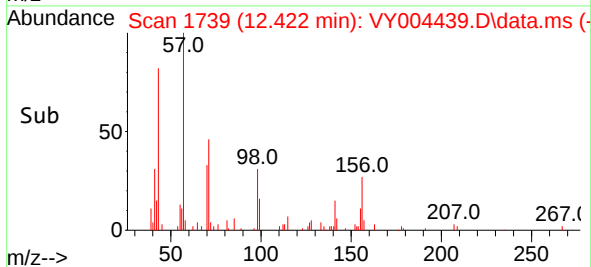
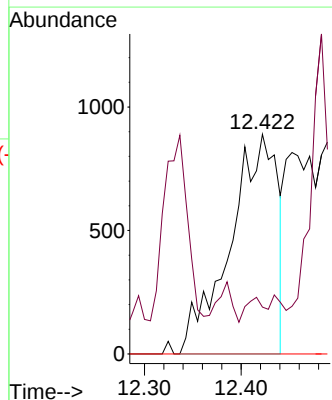
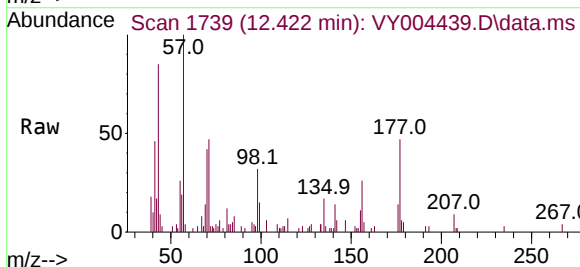
Instrument :
MSVOA_Y
ClientSampled :

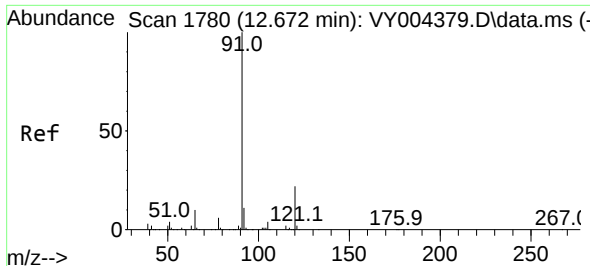
Tgt Ion: 75 Resp: 91916
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 1.22 ug/l
RT: 12.422 min Scan# 1739
Delta R.T. -0.189 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 156 Resp: 3028
Ion Ratio Lower Upper
156 100
77 4.4 98.6 295.7#
158 0.0 48.4 145.2#

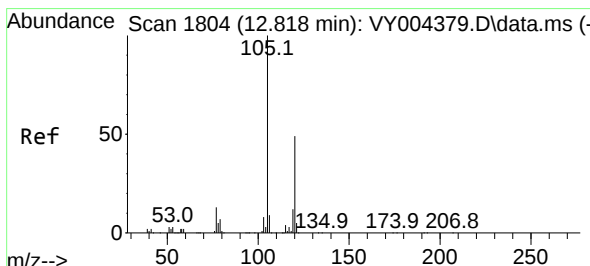
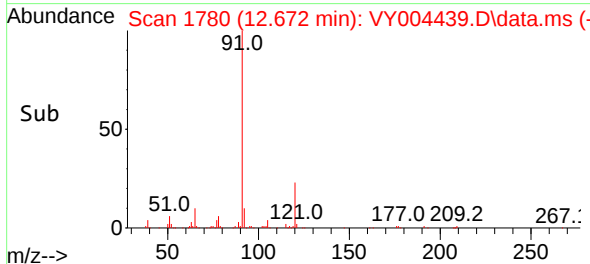
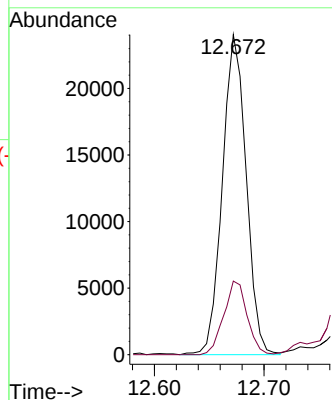
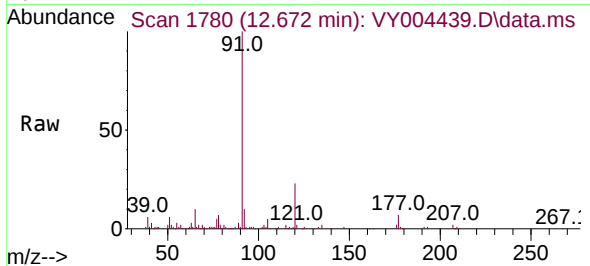




#78
n-propylbenzene
Concen: 2.76 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

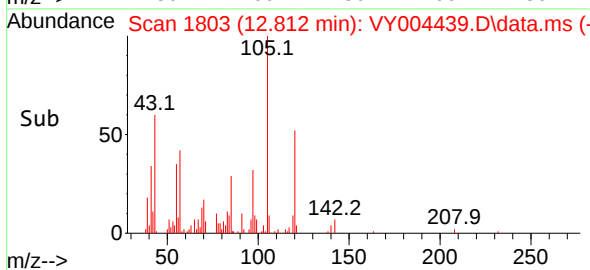
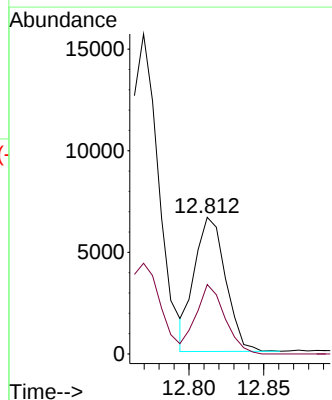
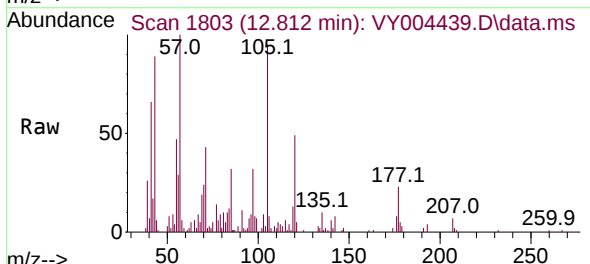
Instrument :
MSVOA_Y
ClientSampled :

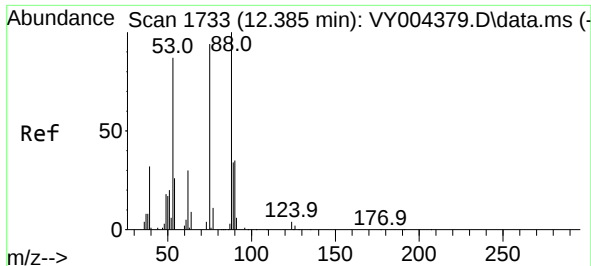
Tgt Ion: 91 Resp: 36298
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.06 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 105 Resp: 9571
Ion Ratio Lower Upper
105 100
120 48.1 24.6 74.0

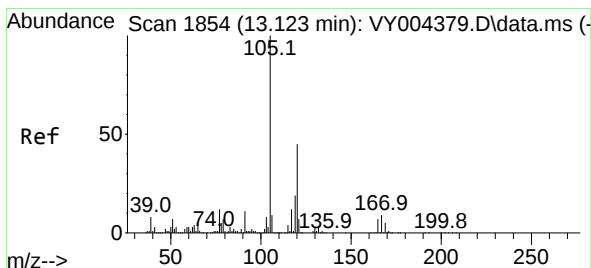
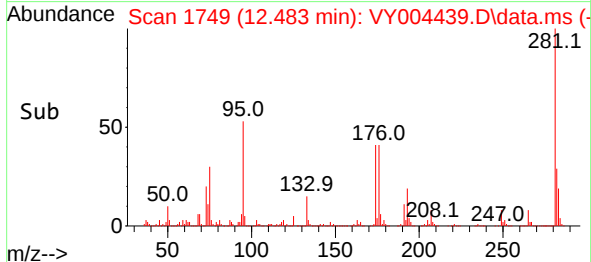
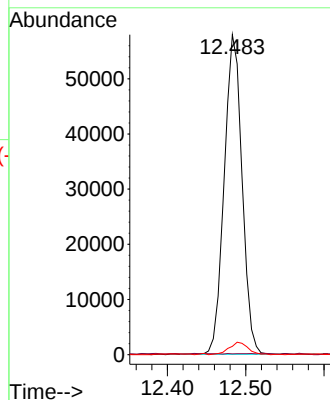
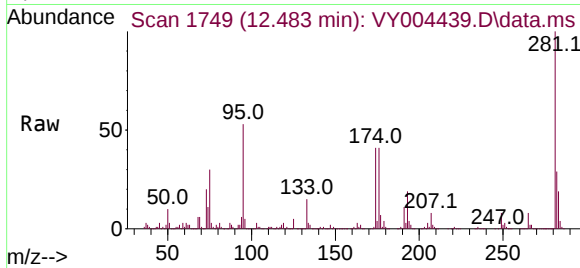




#81
trans-1,4-Dichloro-2-butene
Concen: 106.52 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

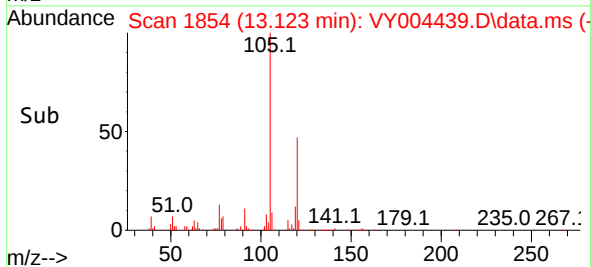
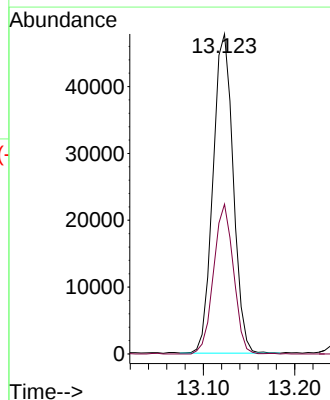
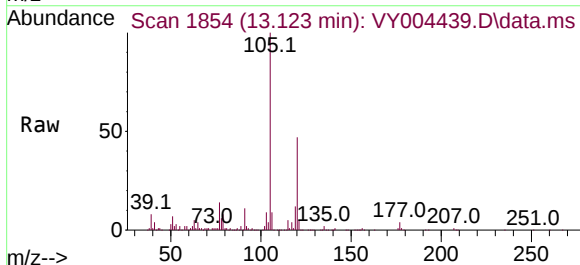
Instrument :
MSVOA_Y
ClientSampleId :

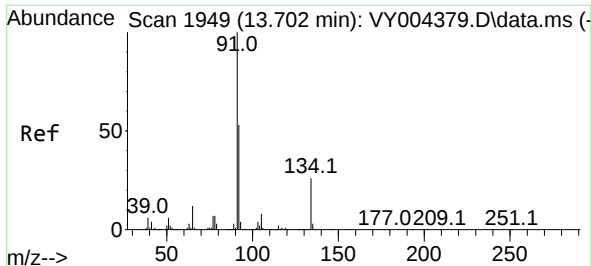
Tgt Ion: 75 Resp: 91916
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 4.1 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 8.05 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 105 Resp: 73353
Ion Ratio Lower Upper
105 100
120 46.3 22.4 67.3

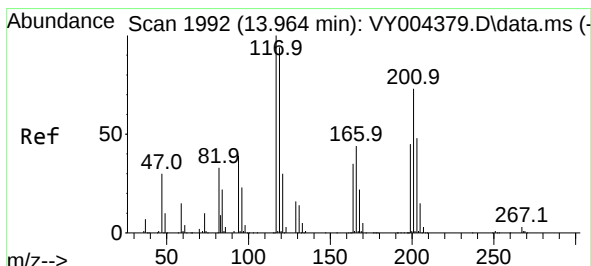
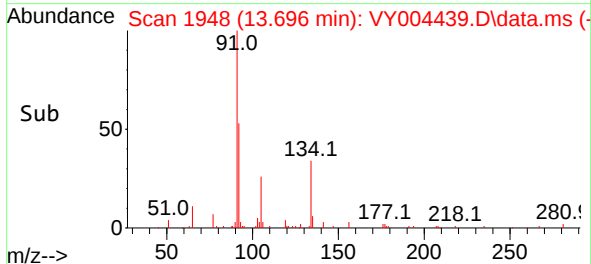
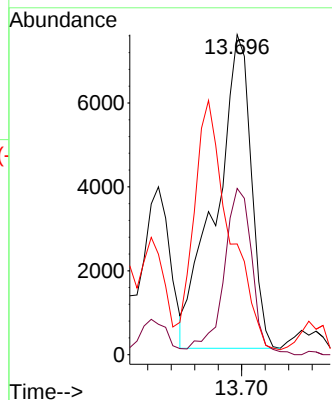
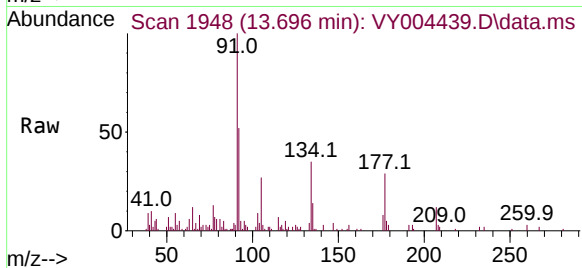




#89
n-Butylbenzene
Concen: 1.66 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

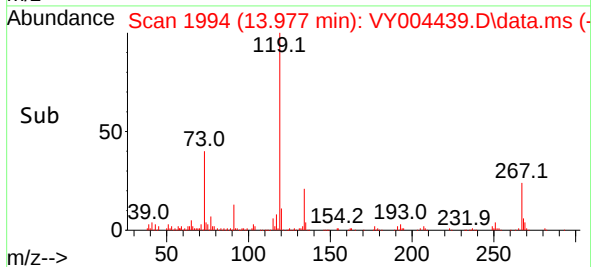
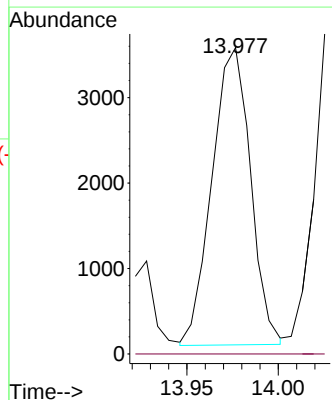
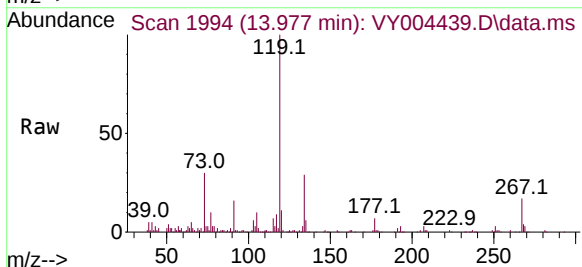
Instrument :
MSVOA_Y
ClientSampleId :

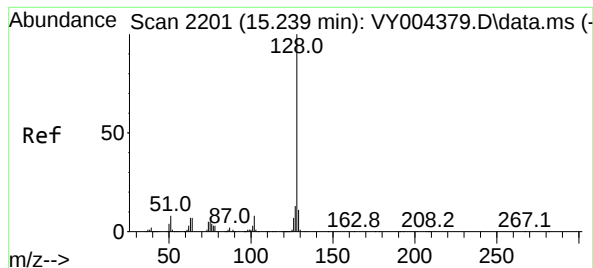
Tgt Ion: 91 Resp: 15569
Ion Ratio Lower Upper
91 100
92 42.7 26.6 79.8
134 0.0 12.7 38.1#



#90
Hexachloroethane
Concen: 3.88 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Tgt Ion: 117 Resp: 5104
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#





#95
Naphthalene
Concen: 13.19 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004439.D
Acq: 15 Apr 2021 14:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 78297
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.8 13.2

