

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051721\
 Data File : VY004804.D
 Acq On : 17 May 2021 14:55
 Operator : SY/MD
 Sample : M2420-06
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 01:05:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	174310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	334720	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	114634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.149	65	119316	57.51	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.02%
35) Dibromofluoromethane	7.728	113	97299	56.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.30%
50) Toluene-d8	10.185	98	388418	49.62	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.24%
62) 4-Bromofluorobenzene	12.483	95	123995	46.93	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.86%

Target Compounds

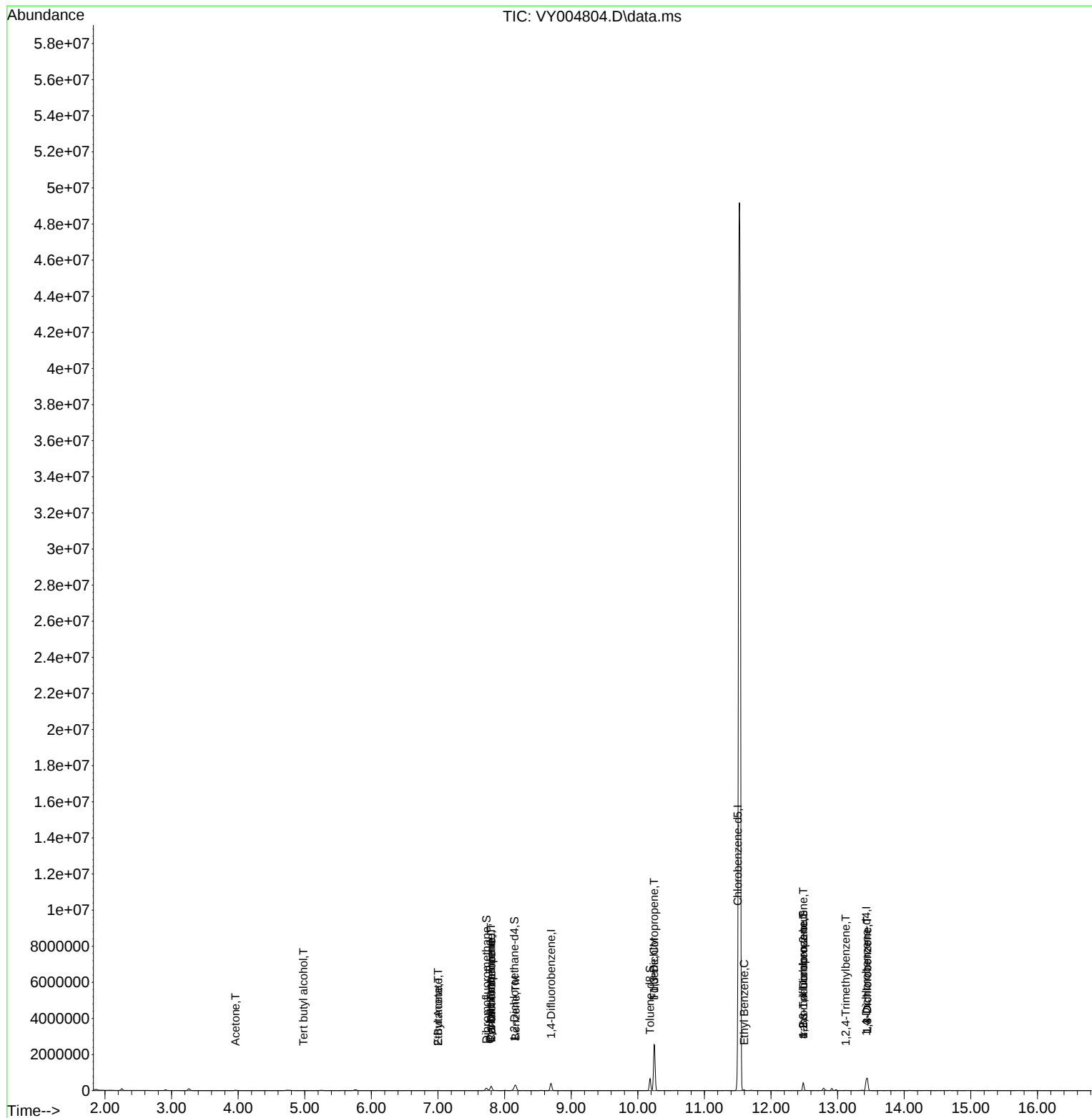
						Qvalue
11) Tert butyl alcohol	4.978	59	1402	6.72	ug/l #	71
16) Acetone	3.960	43	48618	104.32	ug/l	96
20) Methylene Chloride	4.728	84	13644	Below Cal		96
25) 2-Butanone	7.002	43	17179	20.75	ug/l	100
31) Cyclohexane	7.783	56	6567	1.96	ug/l #	76
36) 1,1-Dichloropropene	7.801	75	14385	4.43	ug/l #	49
37) Ethyl Acetate	7.002	43	17179	7.73	ug/l #	72
38) Carbon Tetrachloride	7.795	117	17572	6.03	ug/l #	17
40) Benzene	8.167	78	204769	22.33	ug/l	99
52) Toluene	10.246	92	1014186	175.16	ug/l	100
53) t-1,3-Dichloropropene	10.246	75	12676	3.62	ug/l #	1
67) Ethyl Benzene	11.599	91	24822	1.94	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	69062	56.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69062	98.35	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	8359	1.16	ug/l	96
87) 1,3-Dichlorobenzene	13.446	146	224933	58.73	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	224933	59.60	ug/l	99

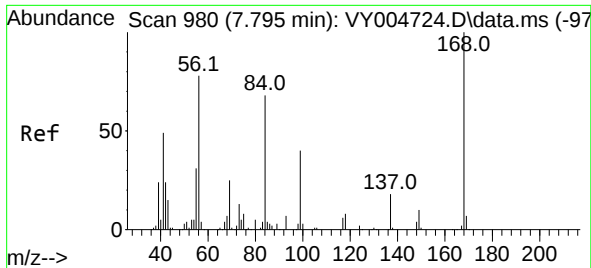
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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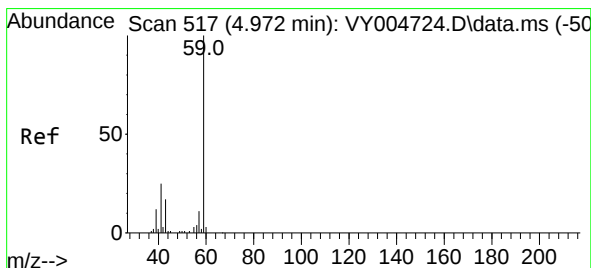
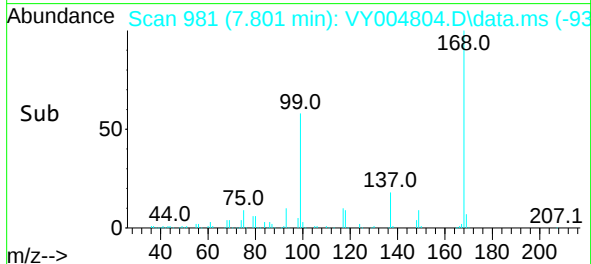
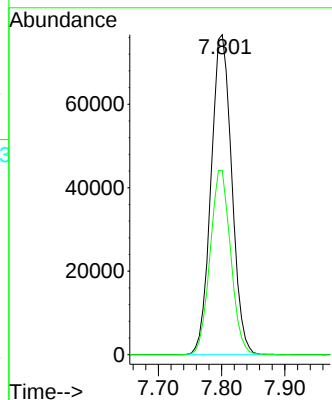
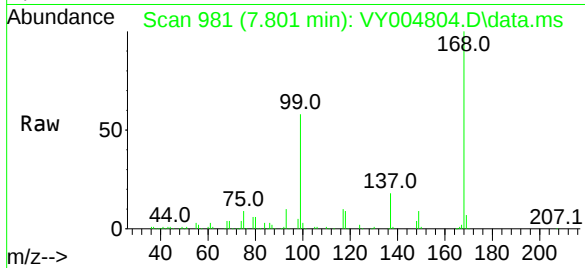




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

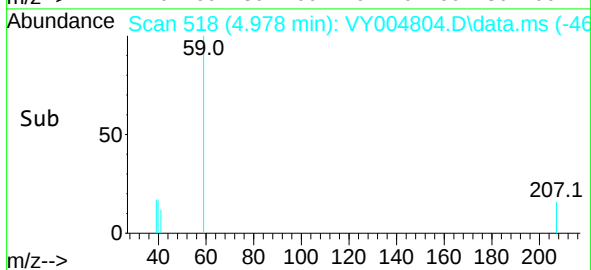
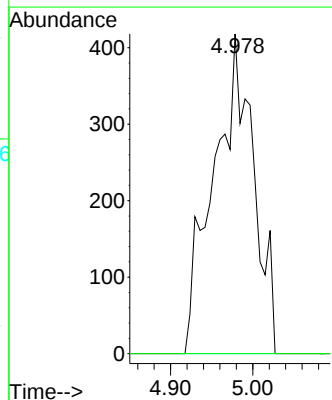
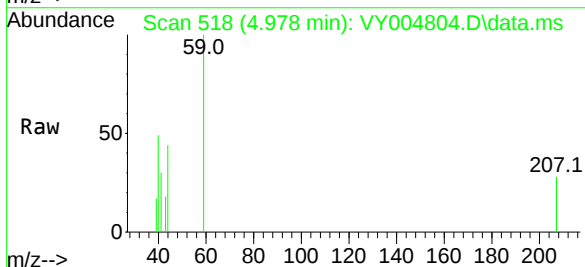
Instrument :
MSVOA_Y
ClientSampled :

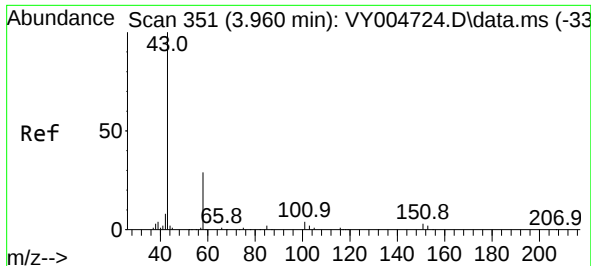
Tgt Ion:168 Resp: 174310
Ion Ratio Lower Upper
168 100
99 57.6 45.6 68.4



#11
Tert butyl alcohol
Concen: 6.72 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

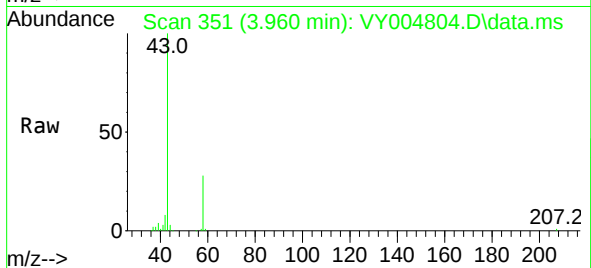
Tgt Ion: 59 Resp: 1402
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



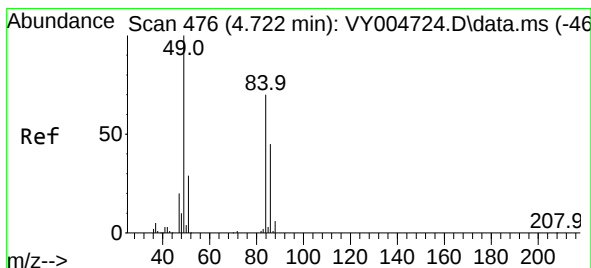
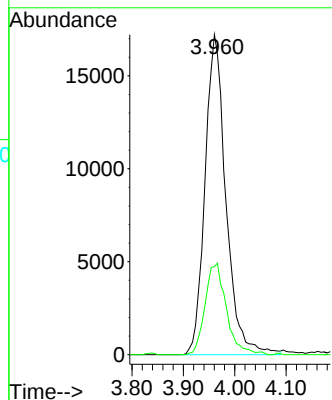
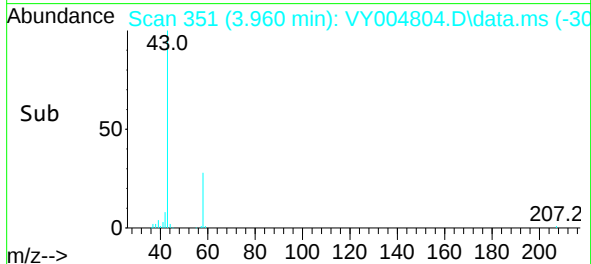


#16
Acetone
Concen: 104.32 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

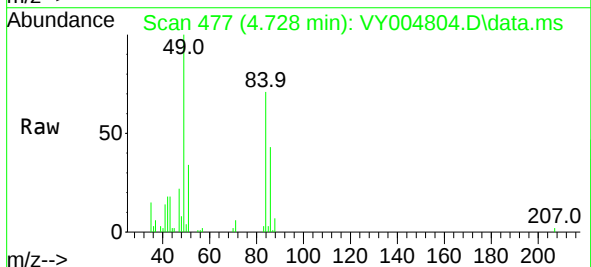
Instrument :
MSVOA_Y
ClientSampled :



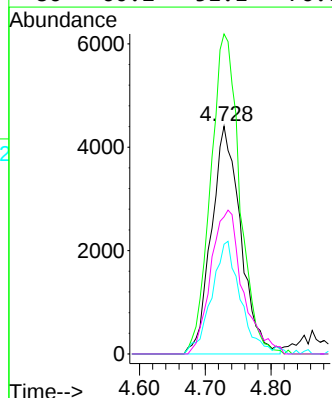
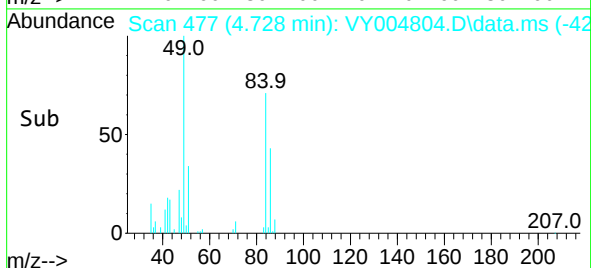
Tgt Ion: 43 Resp: 48618
Ion Ratio Lower Upper
43 100
58 27.6 23.6 35.4

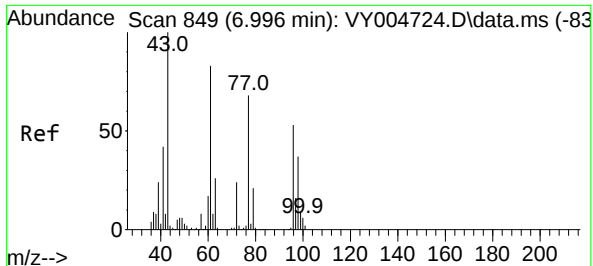


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55



Tgt Ion: 84 Resp: 13644
Ion Ratio Lower Upper
84 100
49 140.5 113.8 170.8
51 48.2 33.5 50.3
86 60.2 51.1 76.7





#25

2-Butanone

Concen: 20.75 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY004804.D

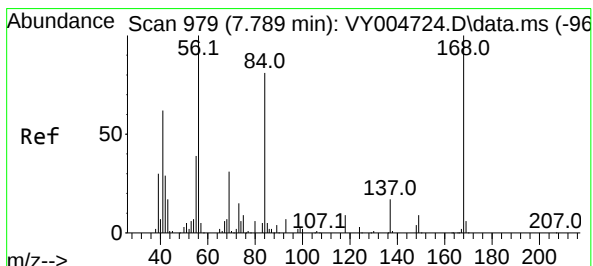
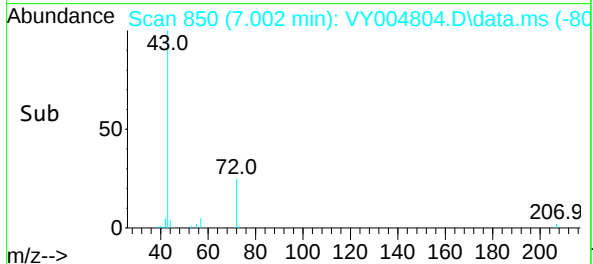
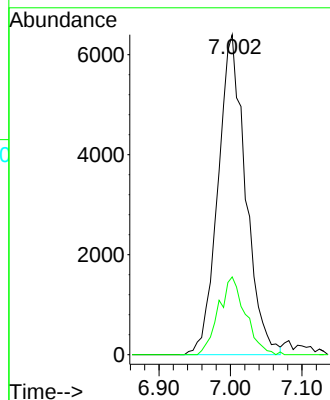
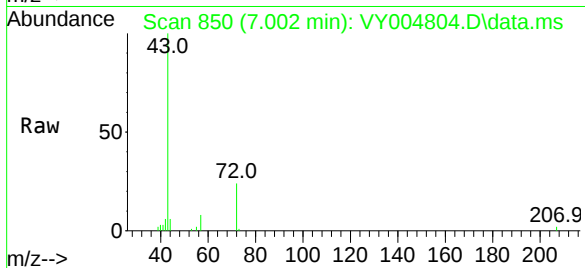
Acq: 17 May 2021 14:55

Tgt Ion: 43 Resp: 17179

Ion Ratio Lower Upper

43 100

72 24.3 19.4 29.0



#31

Cyclohexane

Concen: 1.96 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY004804.D

Acq: 17 May 2021 14:55

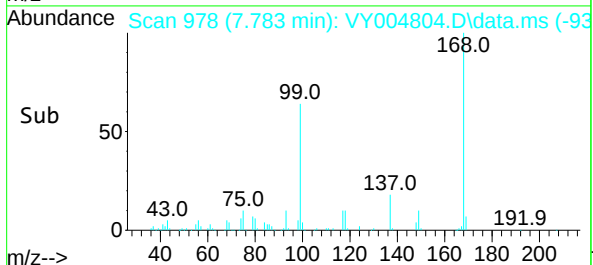
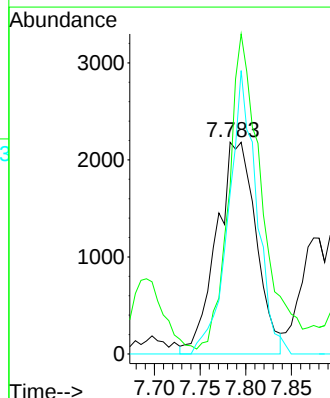
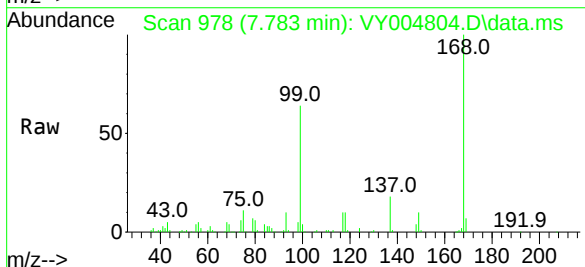
Tgt Ion: 56 Resp: 6567

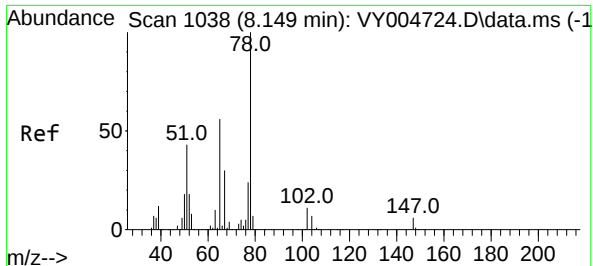
Ion Ratio Lower Upper

56 100

69 74.8 24.4 36.6#

84 78.7 64.8 97.2

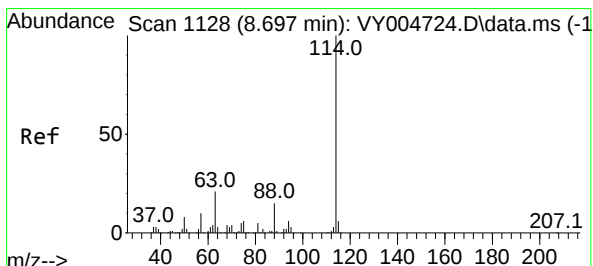
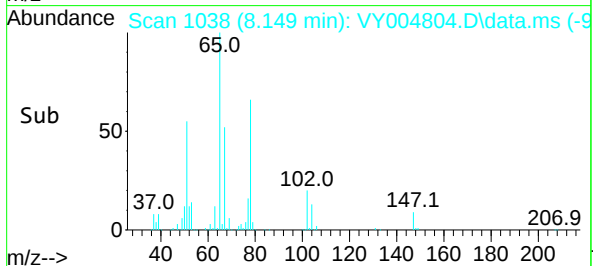
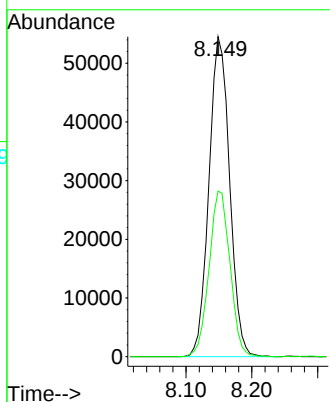
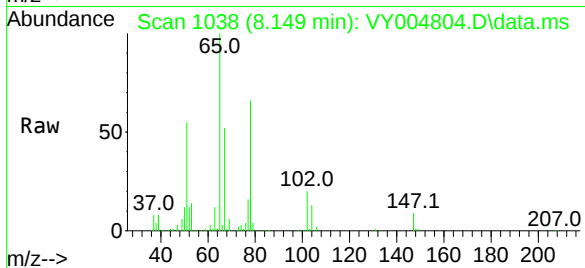




#33
1,2-Dichloroethane-d4
Concen: 57.51 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

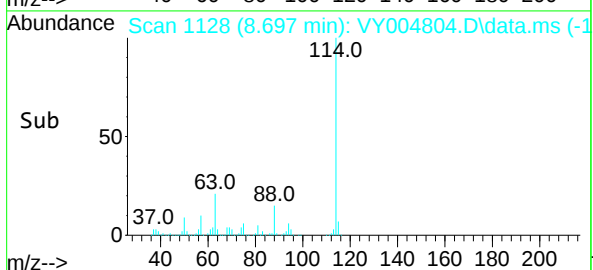
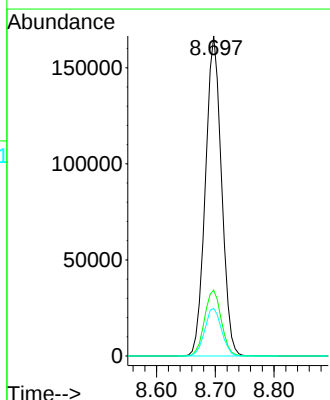
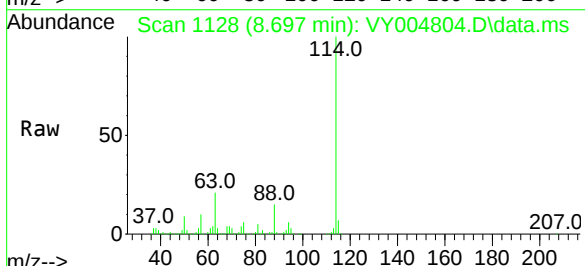
Instrument :
MSVOA_Y
ClientSampled :

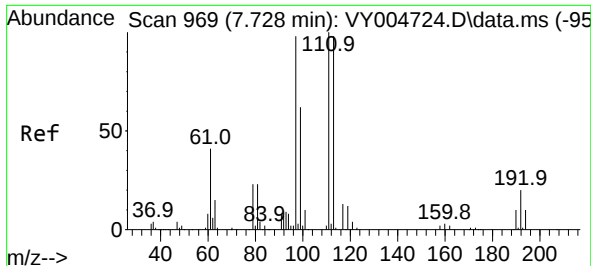
Tgt Ion: 65 Resp: 119316
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion: 114 Resp: 316536
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.8
88 14.9 0.0 31.0

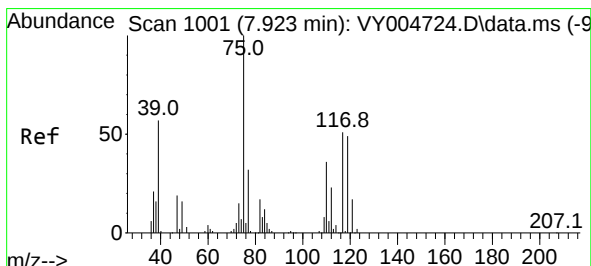
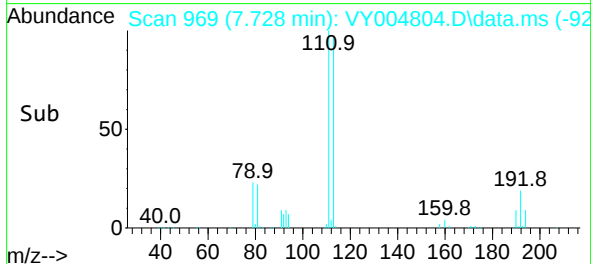
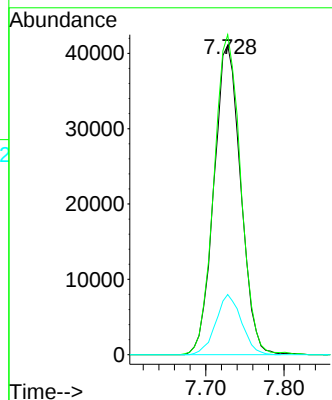
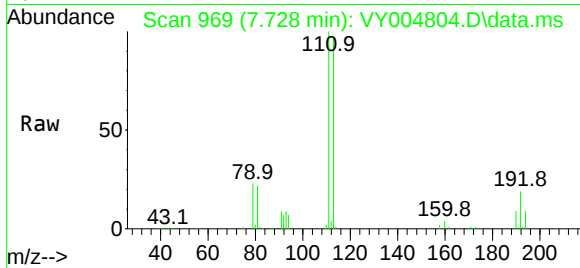




#35
Dibromofluoromethane
Concen: 56.15 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

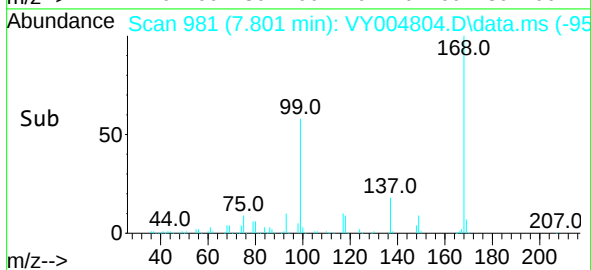
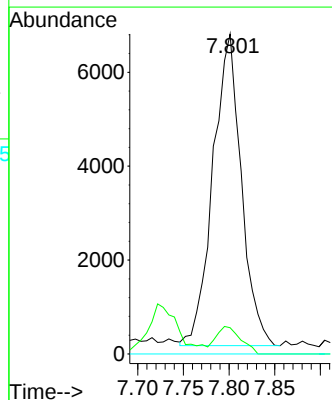
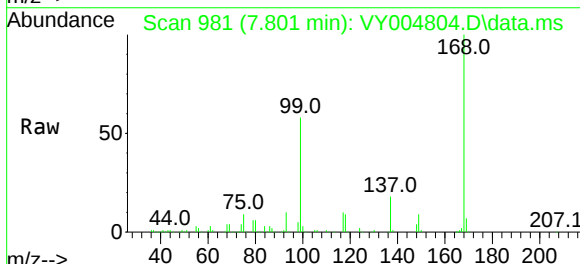
Instrument :
MSVOA_Y
ClientSampled :

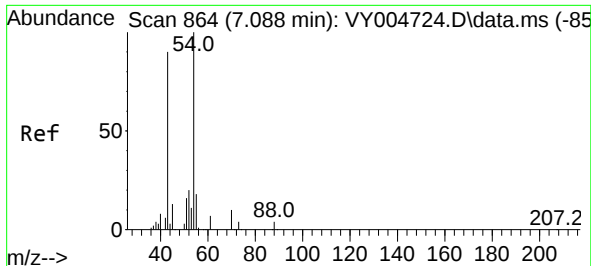
Tgt Ion:	113	Resp:	97299
Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.5	120.7
192	18.7	15.0	22.6



#36
1,1-Dichloropropene
Concen: 4.43 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion:	75	Resp:	14385
Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.0	50.9#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 7.73 ug/l

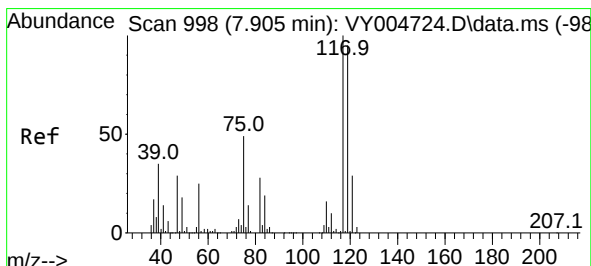
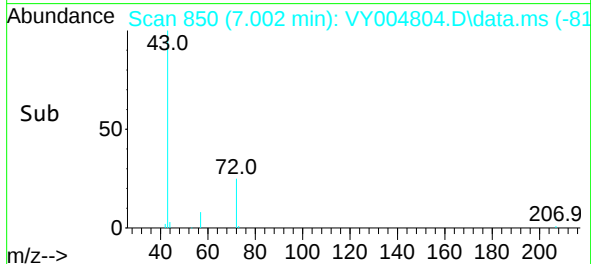
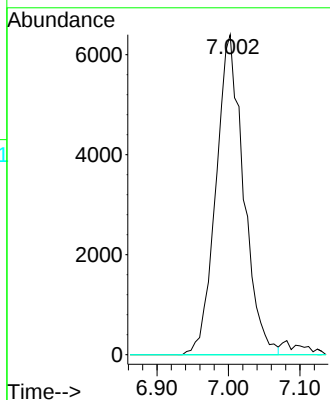
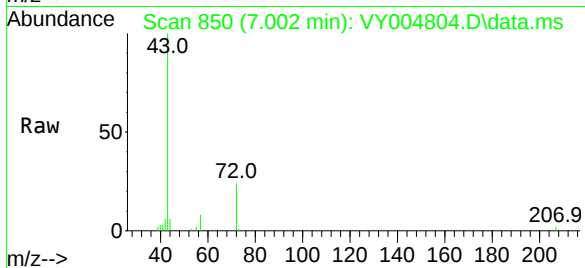
RT: 7.002 min Scan# 850

Delta R.T. -0.085 min

Lab File: VY004804.D

Acq: 17 May 2021 14:55

Tgt Ion:	43	Resp:	17179
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.0	6.7	10.1#



#38

Carbon Tetrachloride

Concen: 6.03 ug/l

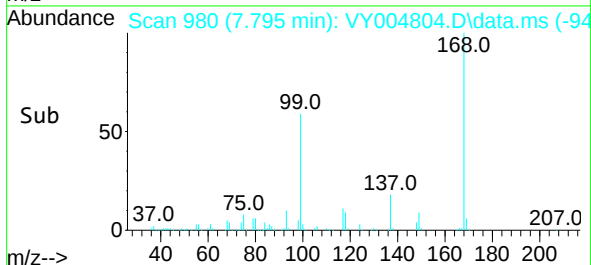
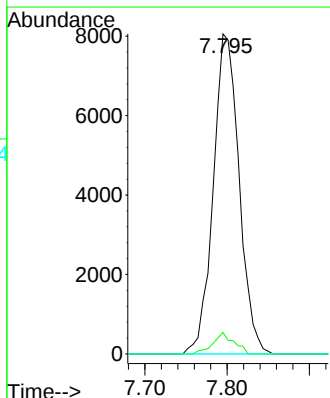
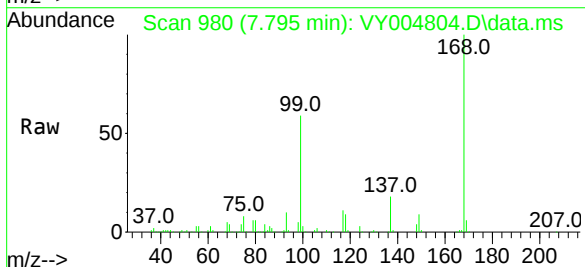
RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

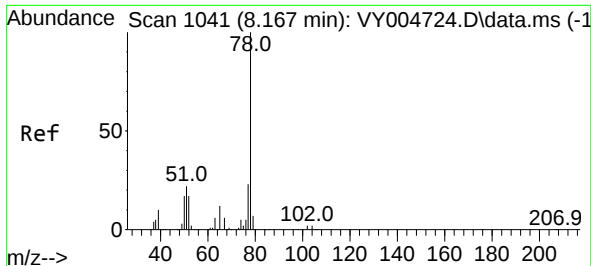
Lab File: VY004804.D

Acq: 17 May 2021 14:55

Tgt Ion:	117	Resp:	17572
Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.3	114.5#
121	0.0	23.0	34.6#



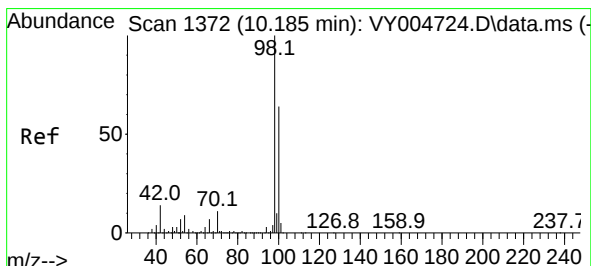
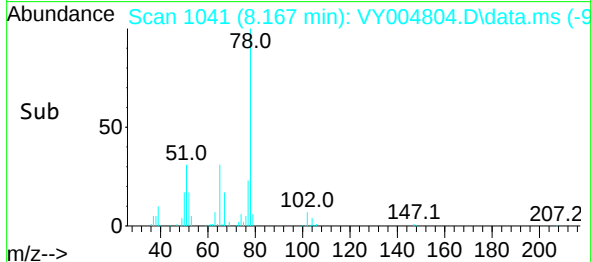
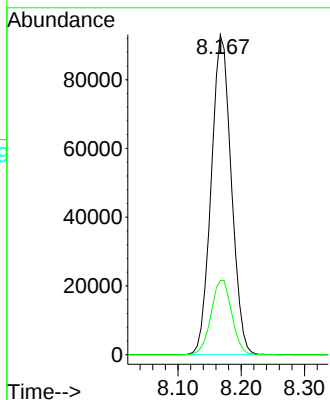
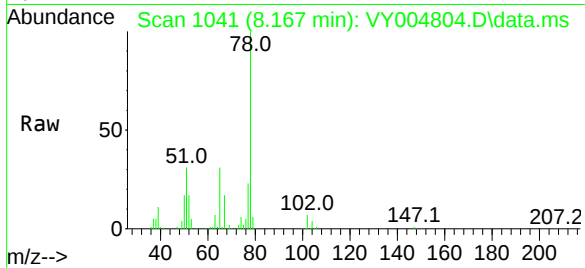
Instrument :
MSVOA_Y
ClientSampleId :



#40
Benzene
Concen: 22.33 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

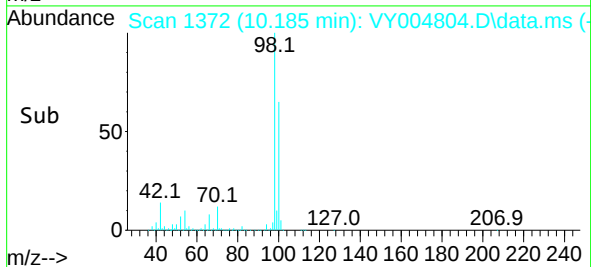
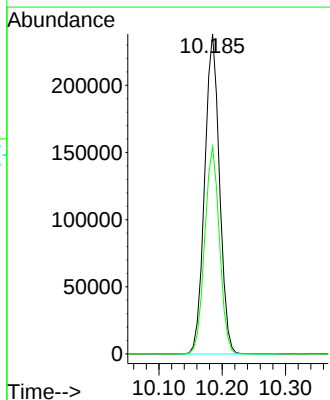
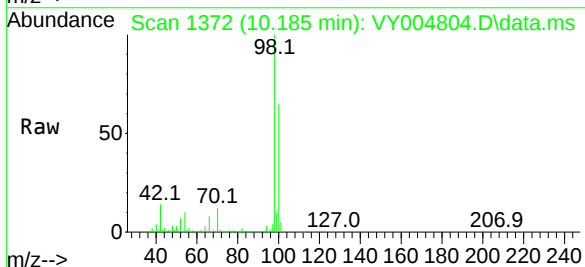
Instrument :
MSVOA_Y
ClientSampled :

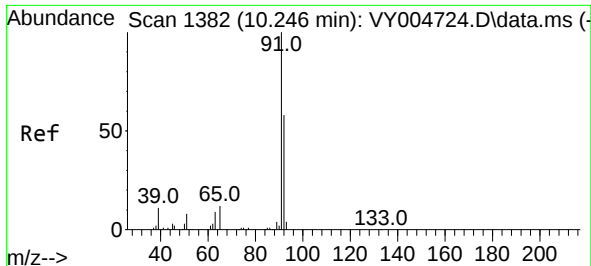
Tgt Ion: 78 Resp: 204769
Ion Ratio Lower Upper
78 100
77 23.2 18.4 27.6



#50
Toluene-d8
Concen: 49.62 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion: 98 Resp: 388418
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3

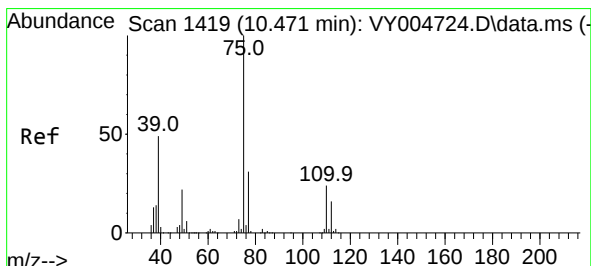
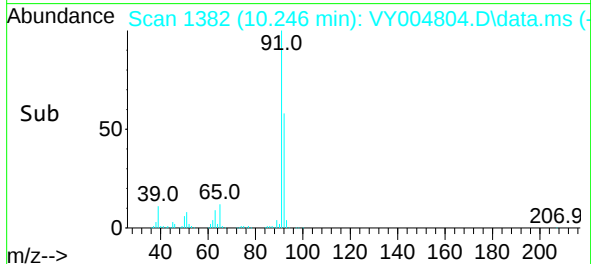
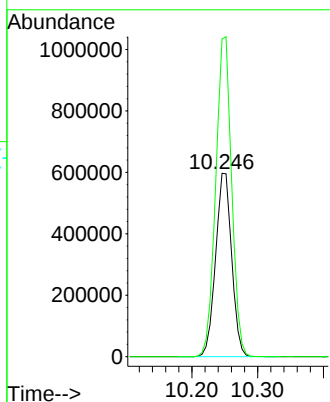
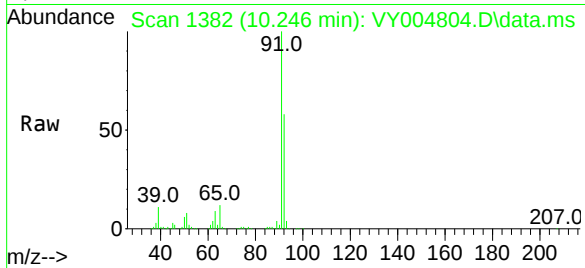




#52
Toluene
Concen: 175.16 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

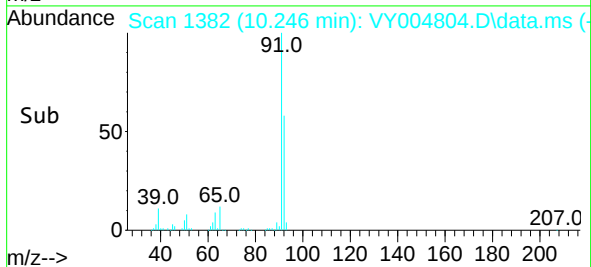
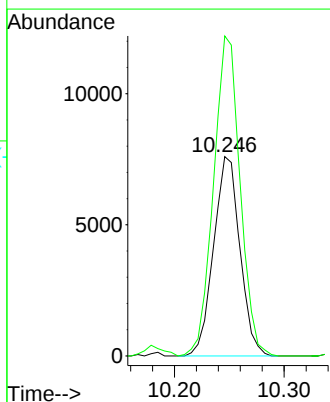
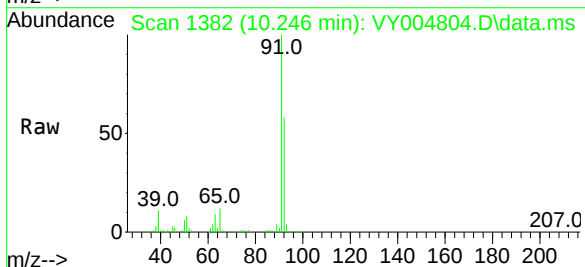
Instrument :
MSVOA_Y
ClientSampleId :

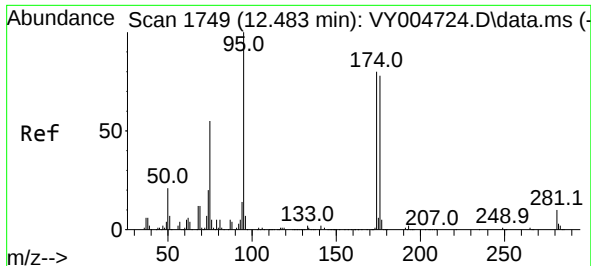
Tgt Ion: 92 Resp: 1014186
Ion Ratio Lower Upper
92 100
91 173.1 138.2 207.4



#53
t-1,3-Dichloropropene
Concen: 3.62 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.226 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion: 75 Resp: 12676
Ion Ratio Lower Upper
75 100
77 160.5 24.8 37.2#

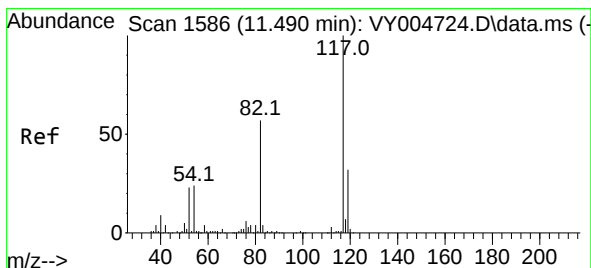
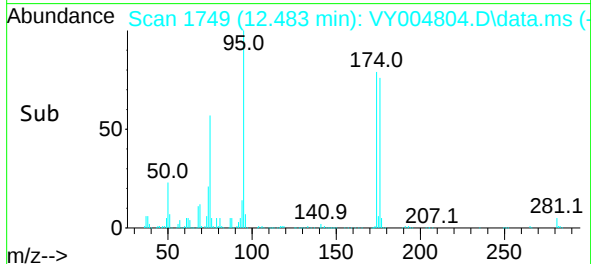
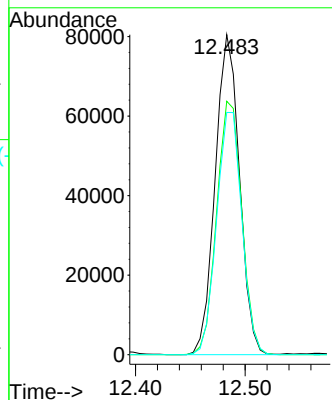
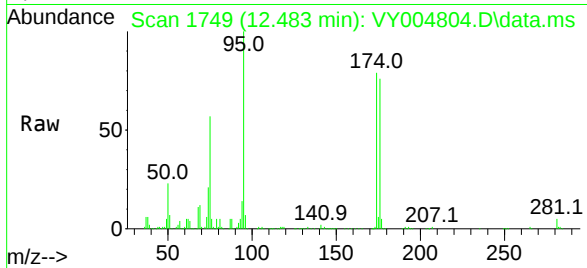




#62
4-Bromofluorobenzene
Concen: 46.93 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

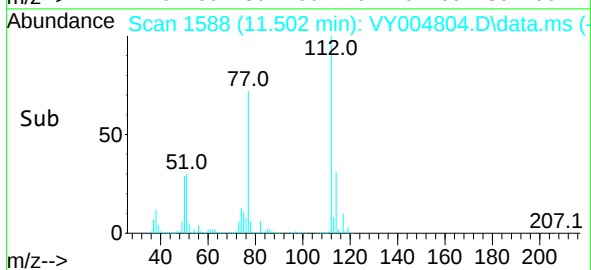
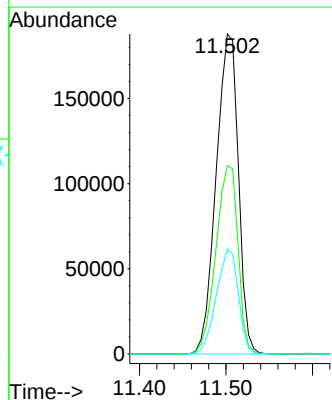
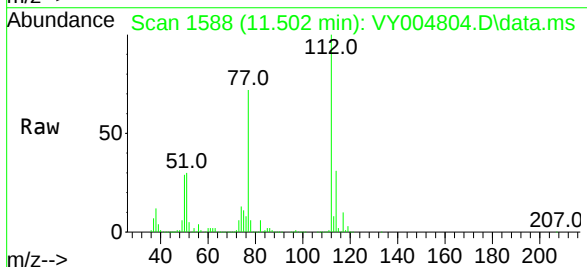
Instrument :
MSVOA_Y
ClientSampled :

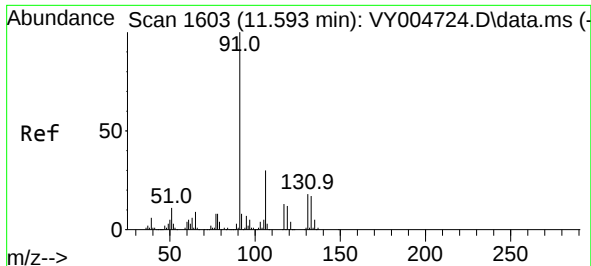
Tgt Ion: 95 Resp: 123995
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.2
176 78.7 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion:117 Resp: 334720
Ion Ratio Lower Upper
117 100
82 58.8 45.4 68.2
119 32.7 25.8 38.6

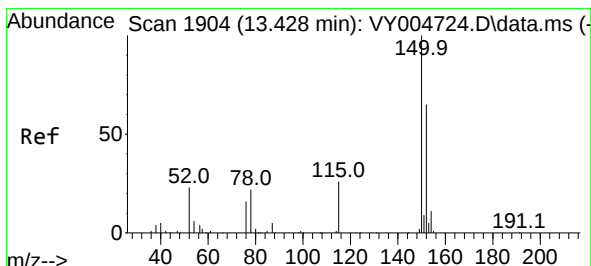
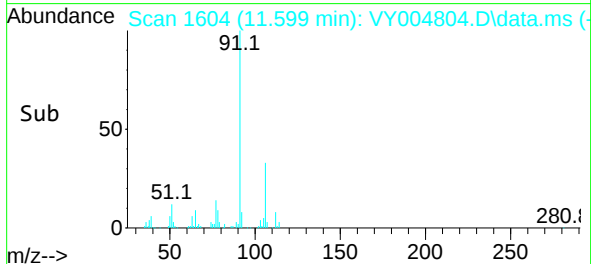
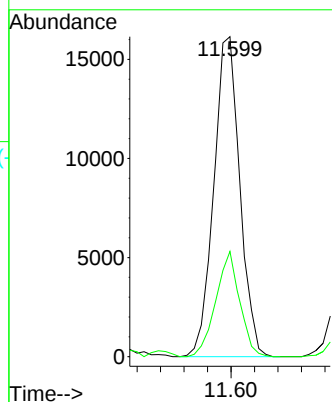
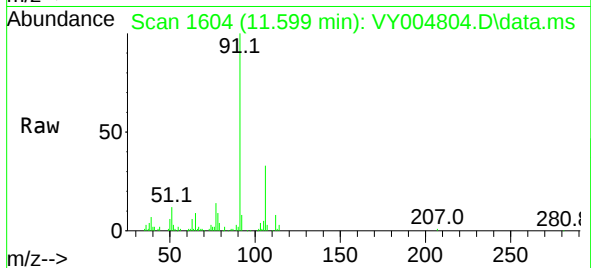




#67
Ethyl Benzene
Concen: 1.94 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

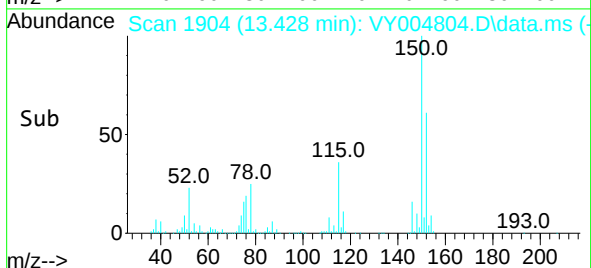
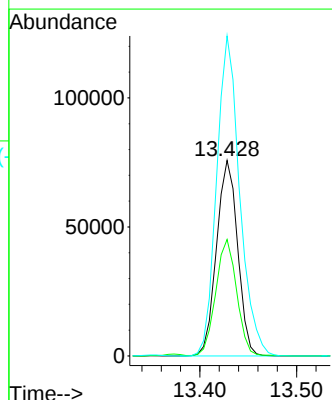
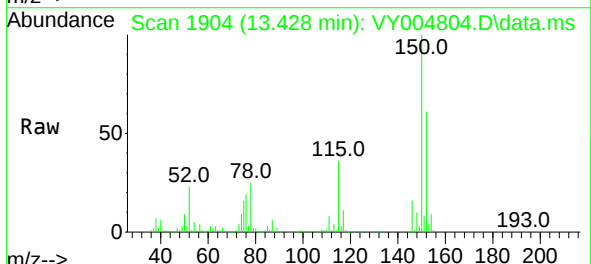
Instrument :
MSVOA_Y
ClientSampled :

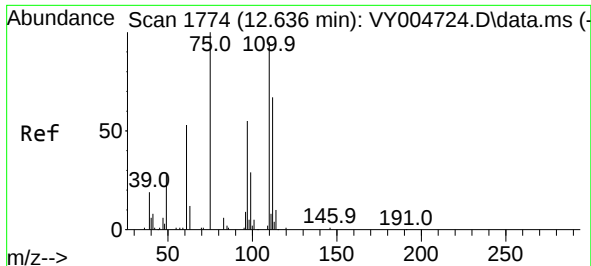
Tgt Ion: 91 Resp: 24822
Ion Ratio Lower Upper
91 100
106 32.9 24.0 36.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion:152 Resp: 114634
Ion Ratio Lower Upper
152 100
115 59.5 29.4 88.3
150 178.9 0.0 349.8

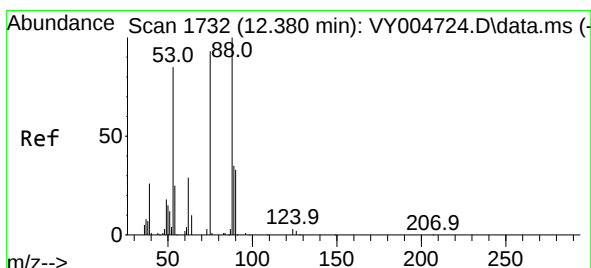
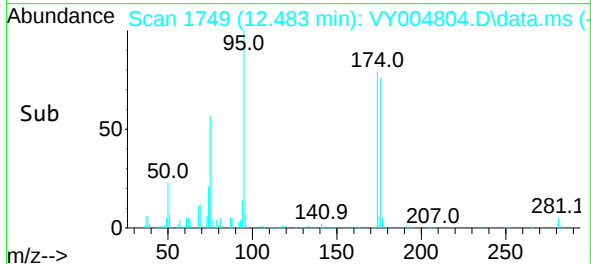
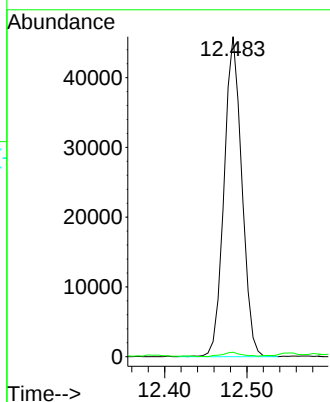
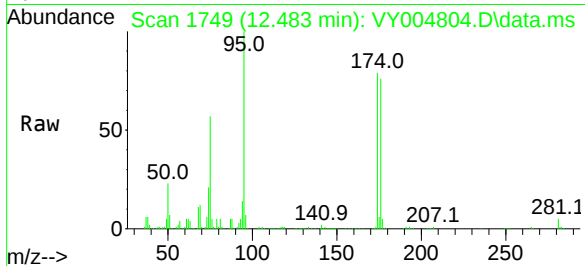




#76
1,2,3-Trichloropropane
Concen: 56.72 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

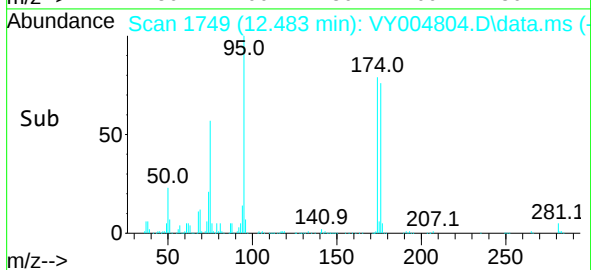
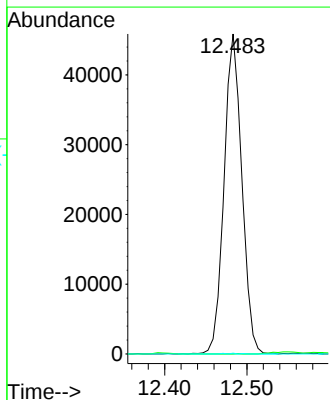
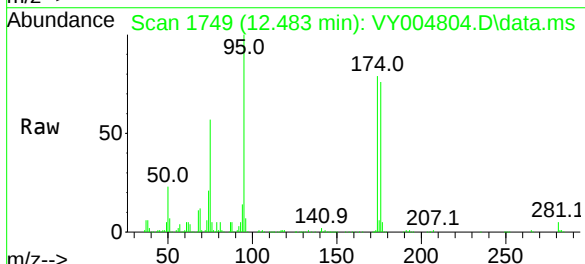
Instrument :
MSVOA_Y
ClientSampled :

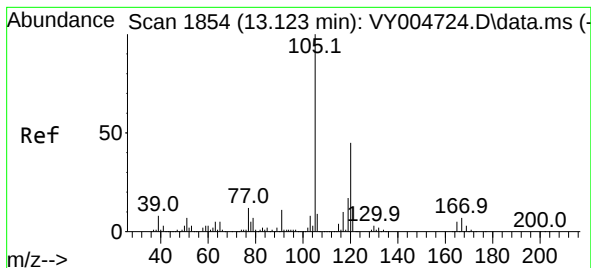
Tgt Ion: 75 Resp: 69062
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.35 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004804.D
Acq: 17 May 2021 14:55

Tgt Ion: 75 Resp: 69062
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.1 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.16 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY004804.D

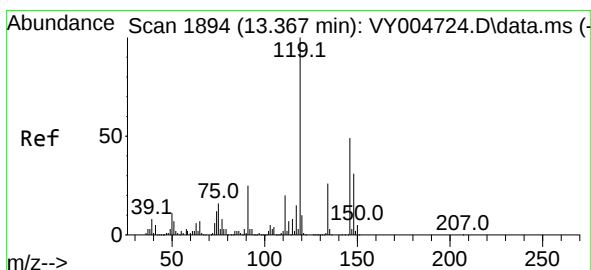
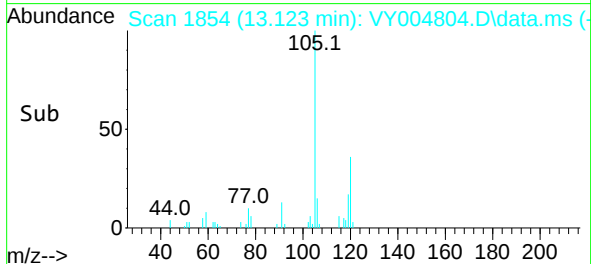
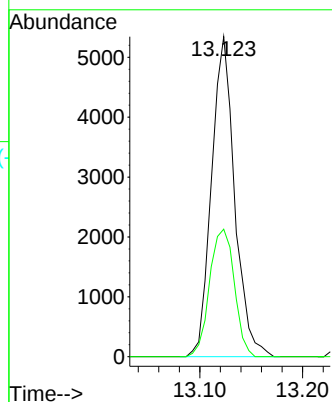
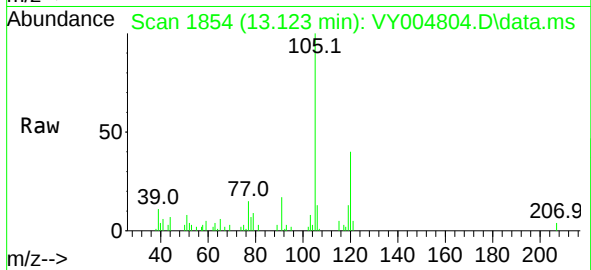
Acq: 17 May 2021 14:55

Tgt Ion:105 Resp: 8359

Ion Ratio Lower Upper

105 100

120 42.5 22.5 67.5



#87

1,3-Dichlorobenzene

Concen: 58.73 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.079 min

Lab File: VY004804.D

Acq: 17 May 2021 14:55

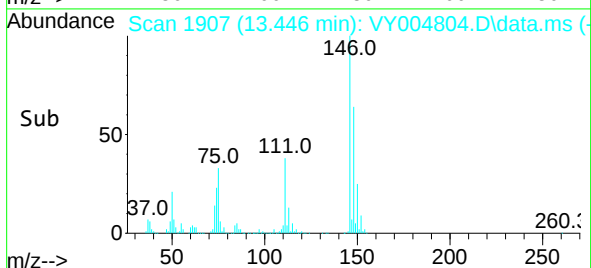
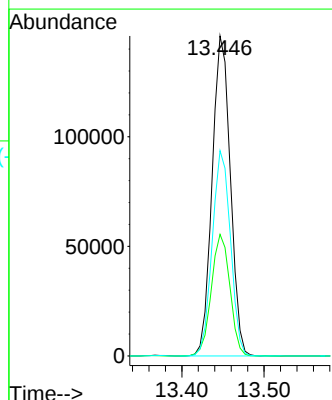
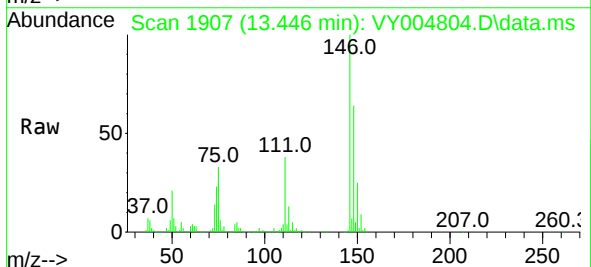
Tgt Ion:146 Resp: 224933

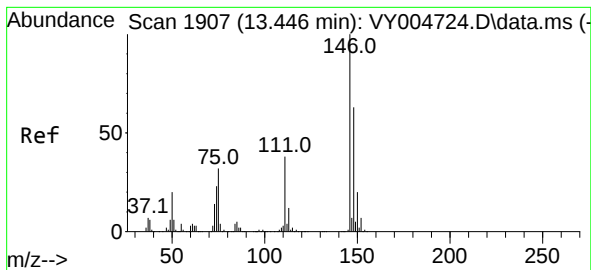
Ion Ratio Lower Upper

146 100

111 38.7 20.3 60.9

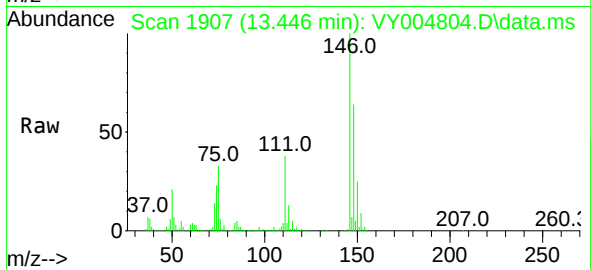
148 64.2 31.9 95.7





#88
 1,4-Dichlorobenzene
 Concen: 59.60 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY004804.D
 Acq: 17 May 2021 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:146 Resp: 224933
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.8
 148 64.2 31.9 95.5

