

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004781.D
 Acq On : 14 May 2021 14:35
 Operator : SY/MD
 Sample : M2392-04
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 15 03:58:17 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	141418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	249062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	238281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108038	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	90575	53.81	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.62%	
35) Dibromofluoromethane	7.728	113	74899	54.93	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.86%	
50) Toluene-d8	10.185	98	312944	50.81	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.62%	
62) 4-Bromofluorobenzene	12.483	95	105849	50.92	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.84%	

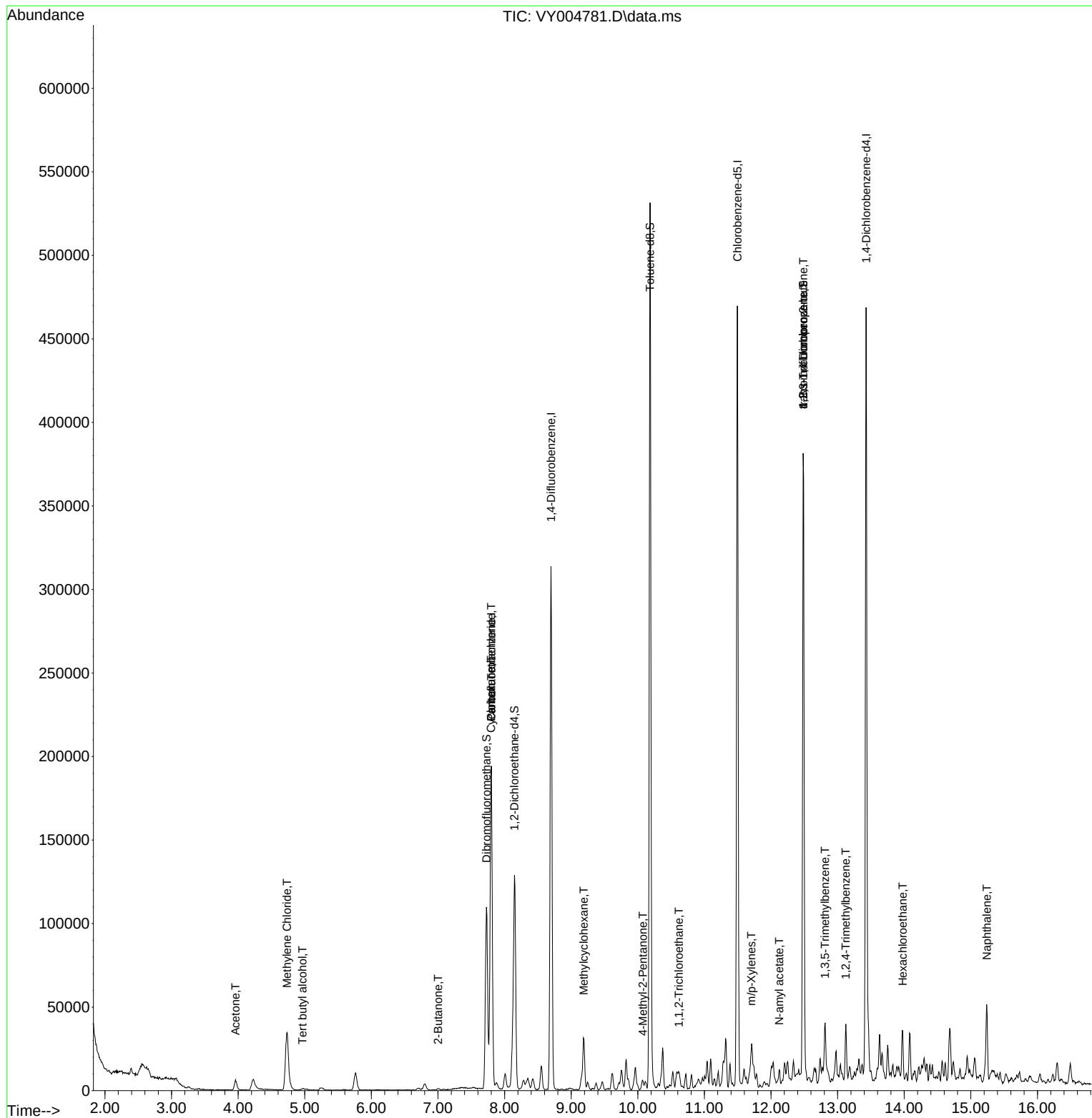
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	1901	11.24	ug/l #	71
16) Acetone	3.960	43	10193	26.96	ug/l	98
20) Methylene Chloride	4.735	84	24689	6.70	ug/l	90
25) 2-Butanone	7.003	43	1770	2.64	ug/l	96
31) Cyclohexane	7.795	56	6623	2.43	ug/l #	44
38) Carbon Tetrachloride	7.801	117	14153	6.17	ug/l #	16
39) Methylcyclohexane	9.191	83	11461	4.12	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	2040	1.17	ug/l	97
55) 1,1,2-Trichloroethane	10.618	97	2644	1.83	ug/l #	17
68) m/p-Xylenes	11.703	106	4625	1.35	ug/l	94
74) N-amyl acetate	12.124	43	2882	1.00	ug/l #	55
76) 1,2,3-Trichloropropane	12.483	75	60377	52.61	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	8671	1.28	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60377	91.23	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	16319	2.41	ug/l	99
90) Hexachloroethane	13.977	117	1568	1.53	ug/l #	14
95) Naphthalene	15.239	128	35003	7.89	ug/l	97

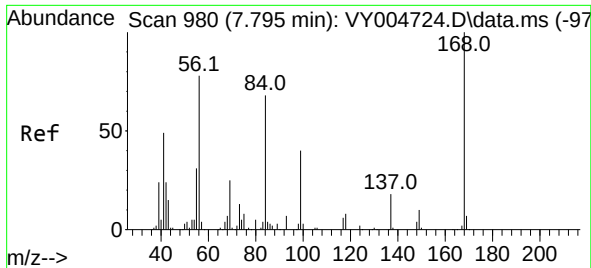
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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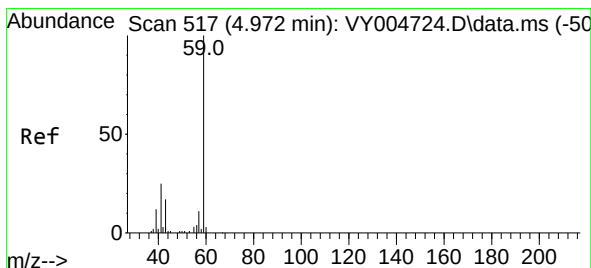
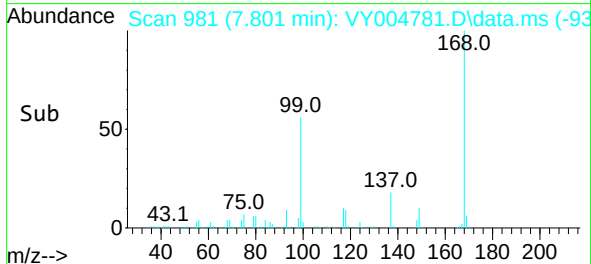
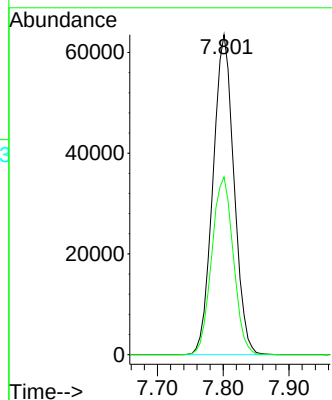
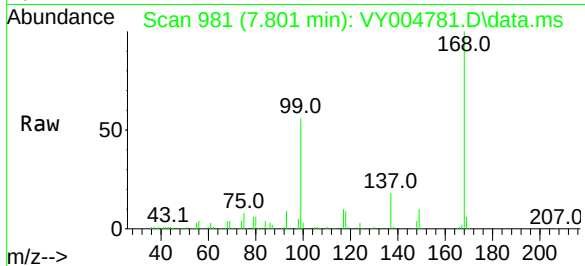




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

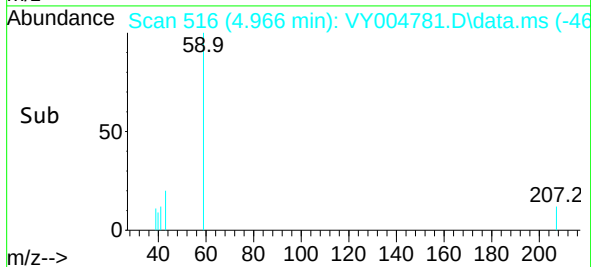
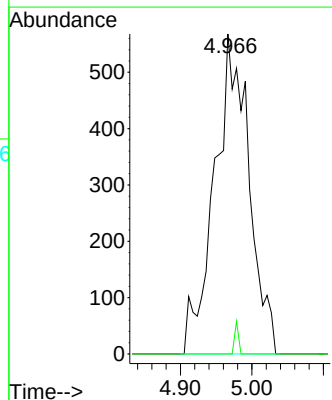
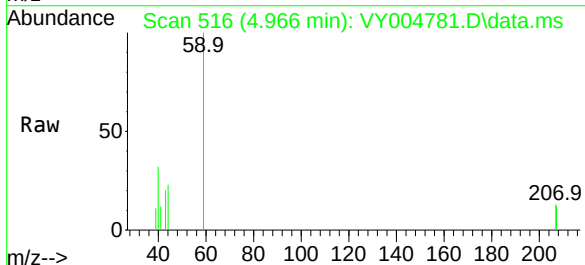
Instrument :
MSVOA_Y
ClientSampleId :

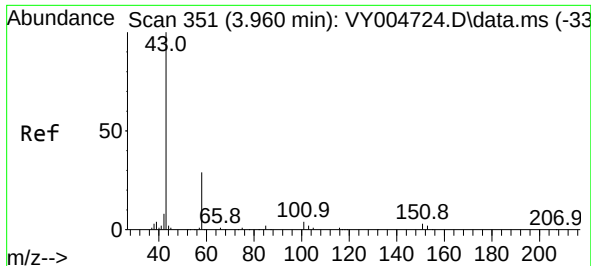
Tgt Ion:168 Resp: 141418
Ion Ratio Lower Upper
168 100
99 55.6 45.6 68.4



#11
Tert butyl alcohol
Concen: 11.24 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 59 Resp: 1901
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

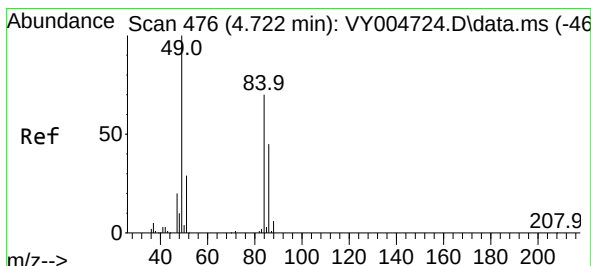
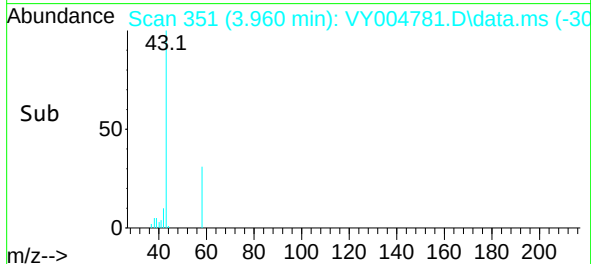
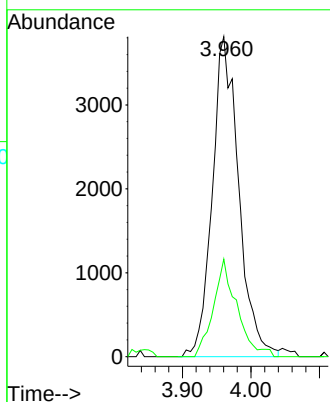
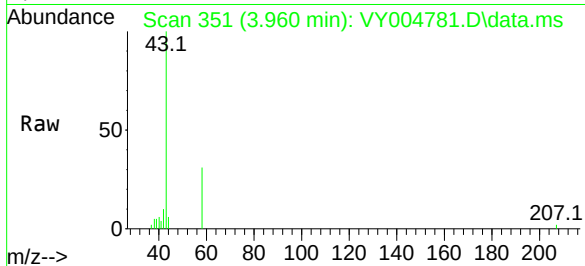




#16
Acetone
Concen: 26.96 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

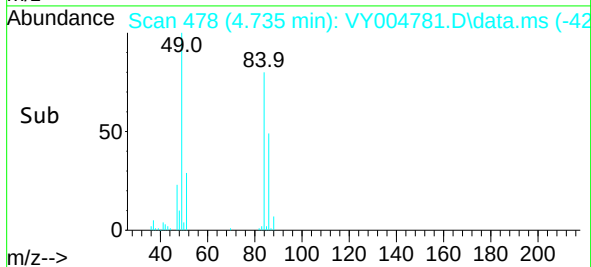
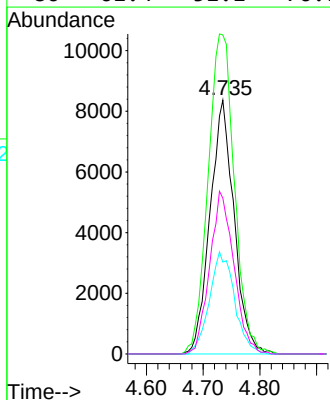
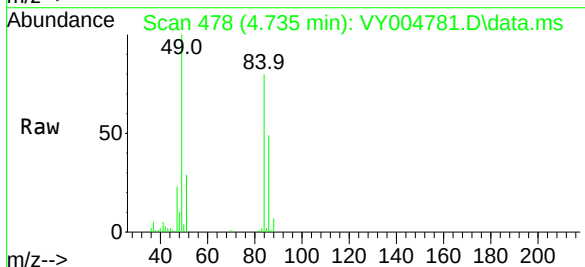
Instrument :
MSVOA_Y
ClientSampled :

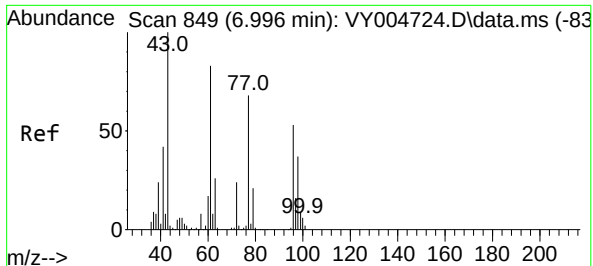
Tgt Ion: 43 Resp: 10193
Ion Ratio Lower Upper
43 100
58 30.5 23.6 35.4



#20
Methylene Chloride
Concen: 6.70 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 84 Resp: 24689
Ion Ratio Lower Upper
84 100
49 125.7 113.8 170.8
51 36.2 33.5 50.3
86 61.4 51.1 76.7





#25

2-Butanone

Concen: 2.64 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY004781.D

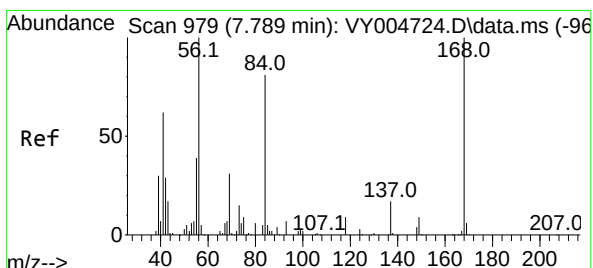
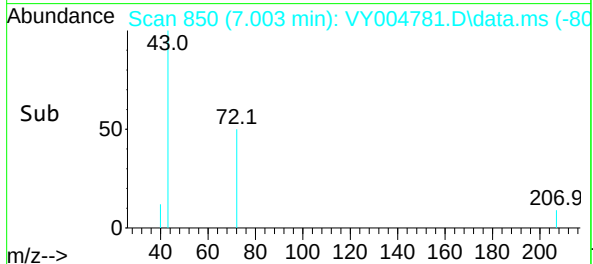
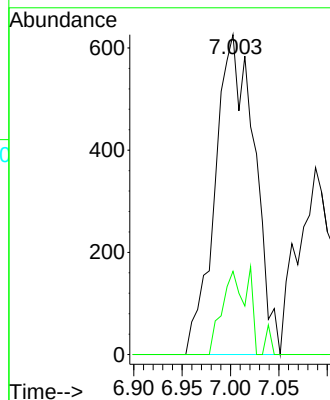
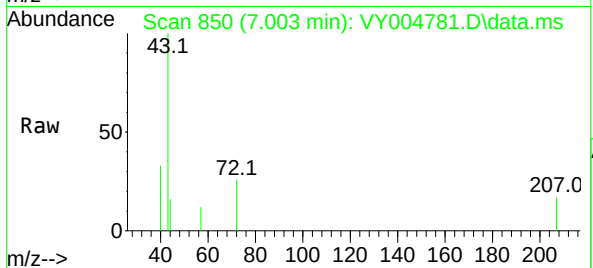
Acq: 14 May 2021 14:35

Tgt Ion: 43 Resp: 1770

Ion Ratio Lower Upper

43 100

72 26.0 19.4 29.0



#31

Cyclohexane

Concen: 2.43 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY004781.D

Acq: 14 May 2021 14:35

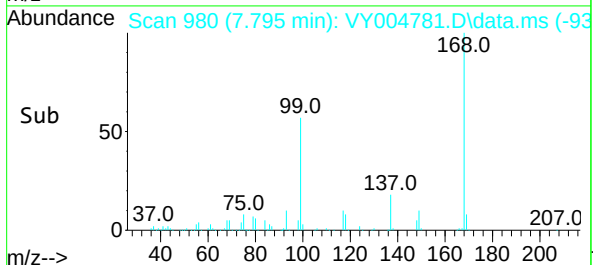
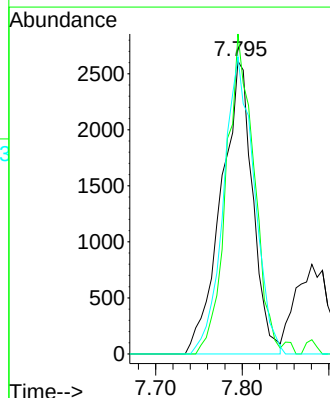
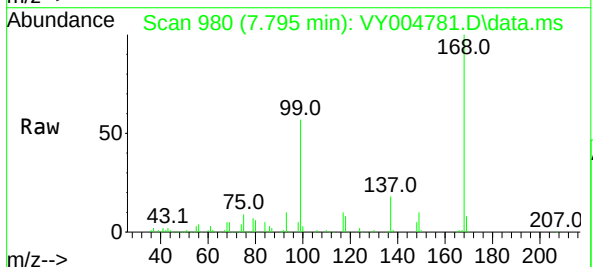
Tgt Ion: 56 Resp: 6623

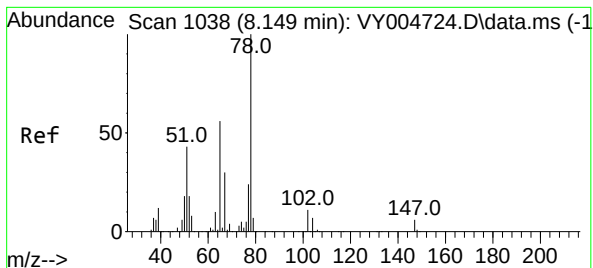
Ion Ratio Lower Upper

56 100

69 109.3 24.4 36.6#

84 101.5 64.8 97.2#

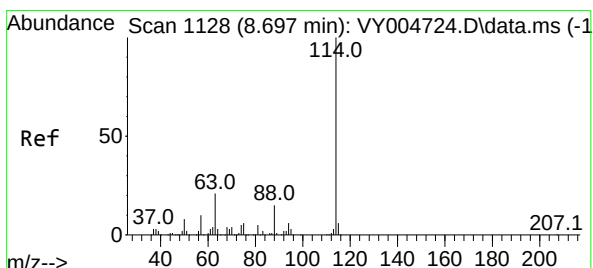
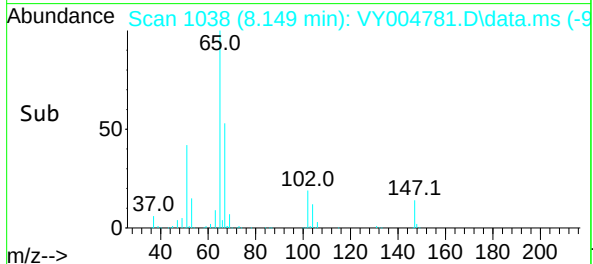
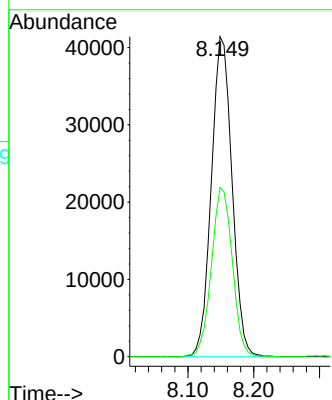
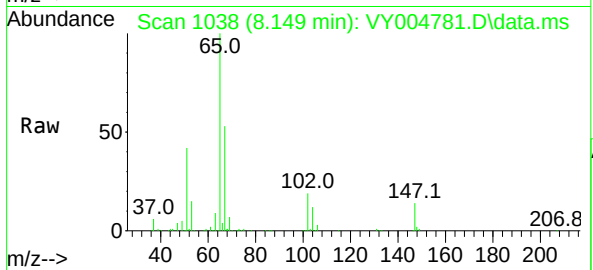




#33
1,2-Dichloroethane-d4
Concen: 53.81 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

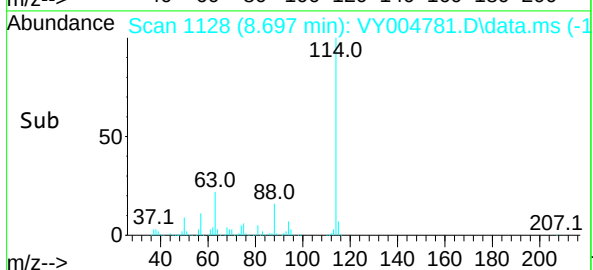
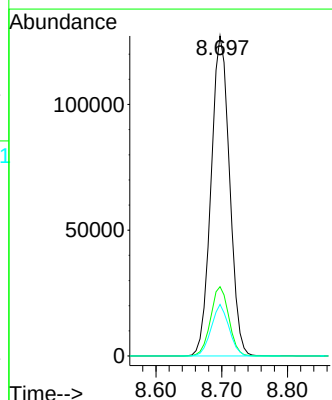
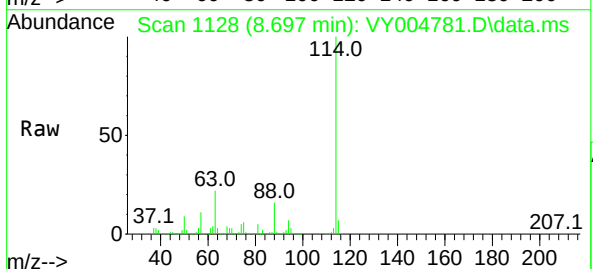
Instrument :
MSVOA_Y
ClientSampled :

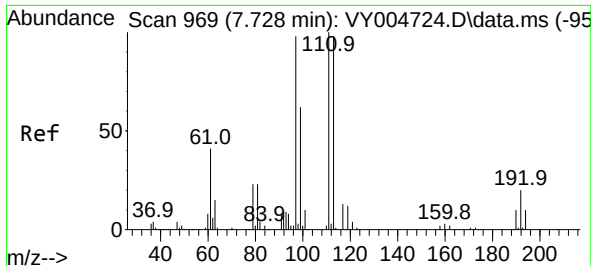
Tgt Ion: 65 Resp: 90575
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 114 Resp: 249062
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.8
88 16.1 0.0 31.0

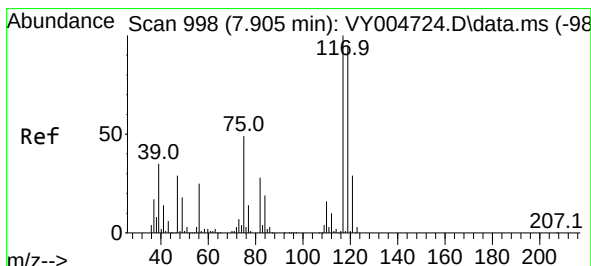
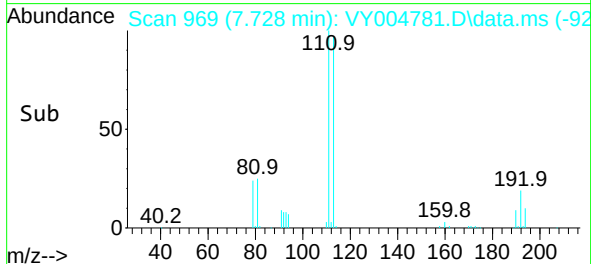
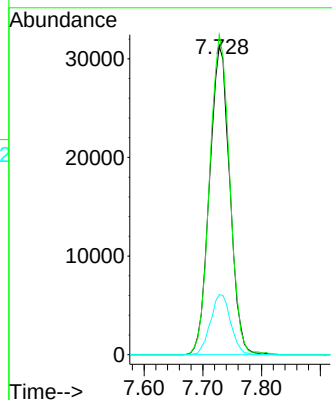
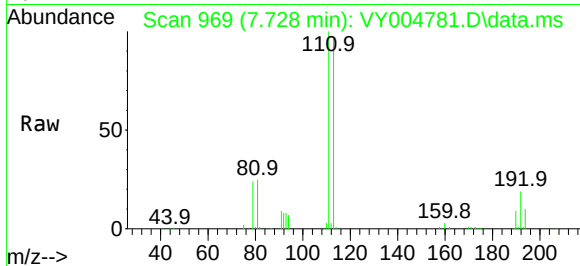




#35
Dibromofluoromethane
Concen: 54.93 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

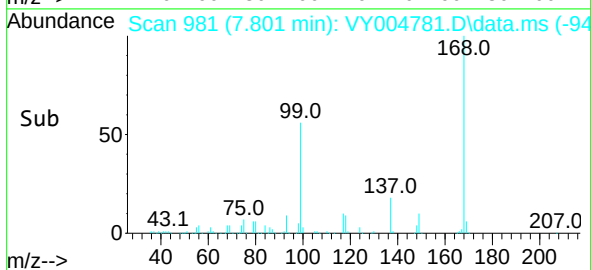
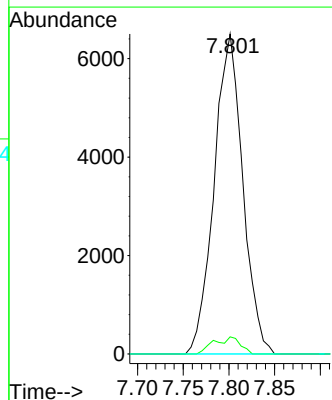
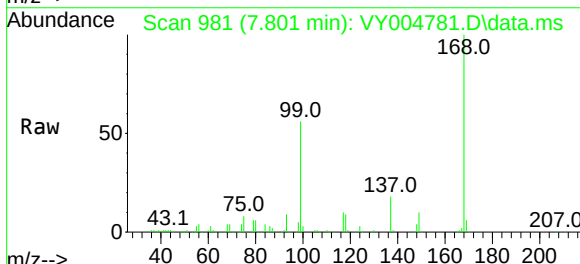
Instrument :
MSVOA_Y
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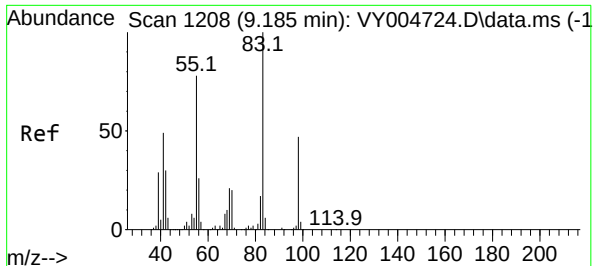
Tgt Ion:	113	Resp:	74899
Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.5	120.7
192	19.3	15.0	22.6



#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion:	117	Resp:	14153
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.3	114.5#
121	0.0	23.0	34.6#





#39

Methylcyclohexane

Concen: 4.12 ug/l

RT: 9.191 min Scan# 1209

Delta R.T. 0.006 min

Lab File: VY004781.D

Acq: 14 May 2021 14:35

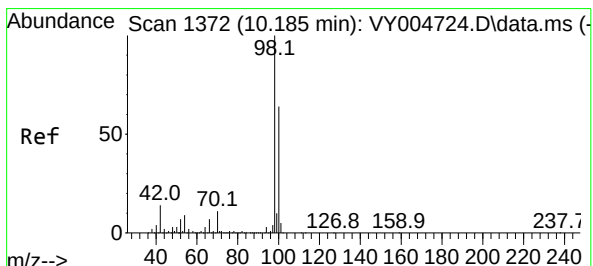
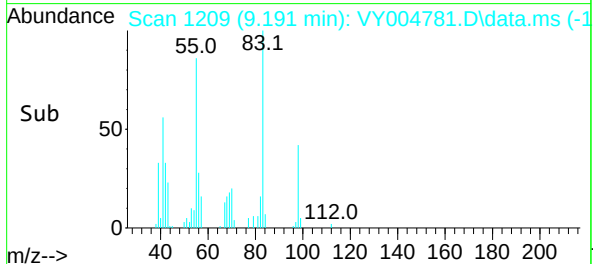
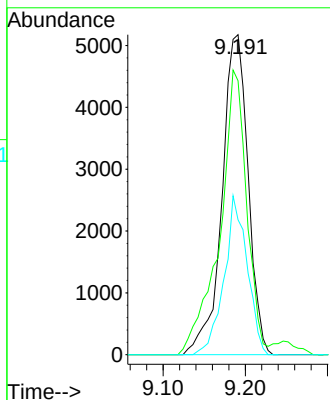
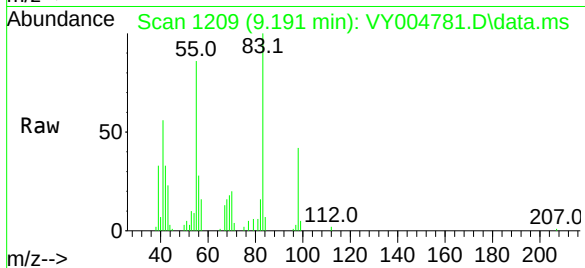
Tgt Ion: 83 Resp: 11461

Ion Ratio Lower Upper

83 100

55 85.6 62.6 94.0

98 42.1 37.8 56.6



#50

Toluene-d8

Concen: 50.81 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY004781.D

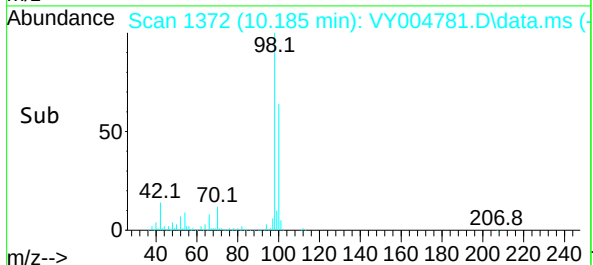
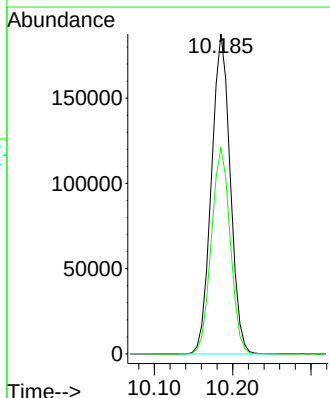
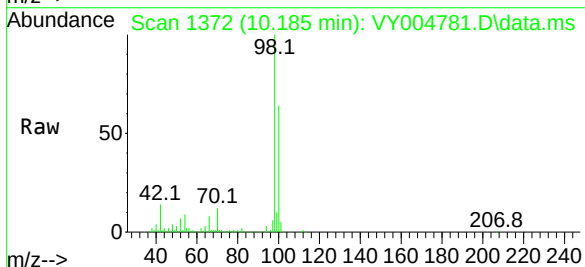
Acq: 14 May 2021 14:35

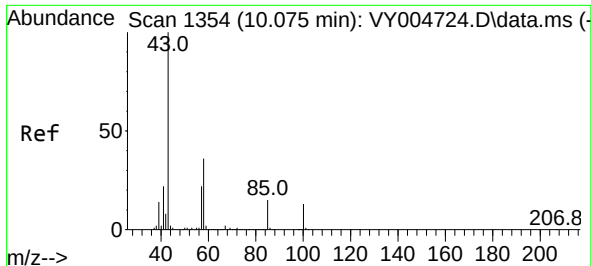
Tgt Ion: 98 Resp: 312944

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3

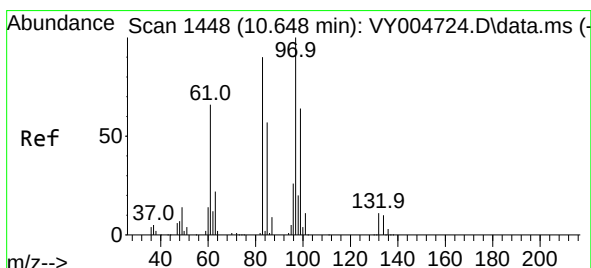
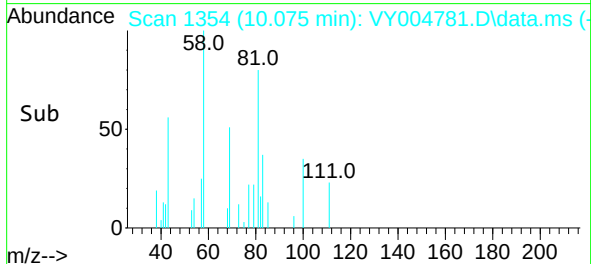
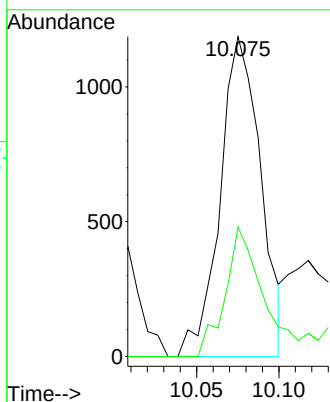
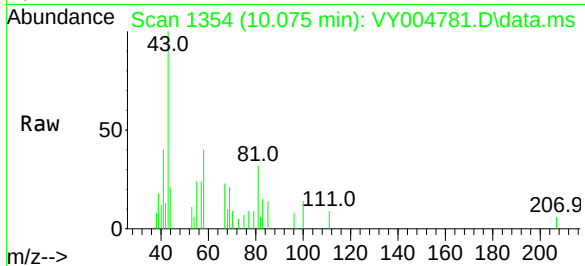




#51
4-Methyl-2-Pentanone
Concen: 1.17 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

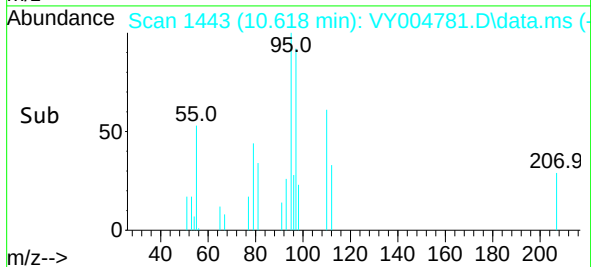
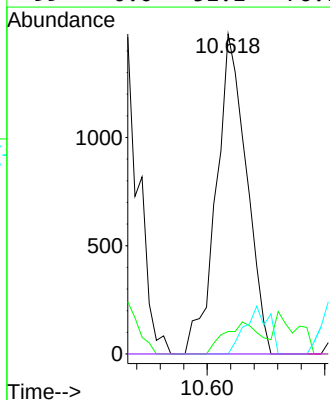
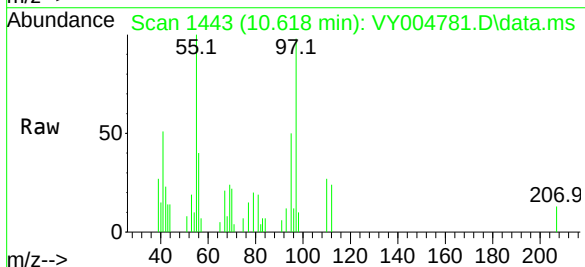
Instrument :
MSVOA_Y
ClientSampled :

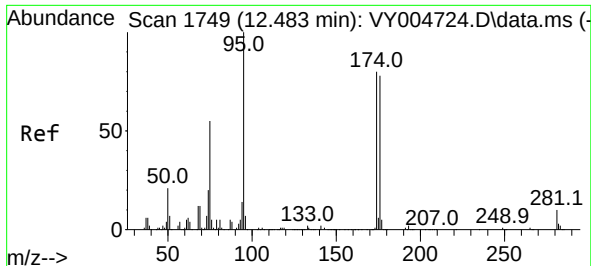
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
58 37.5 28.7 43.1



#55
1,1,2-Trichloroethane
Concen: 1.83 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 97 Resp: 2644
Ion Ratio Lower Upper
97 100
83 7.0 71.9 107.9#
85 0.0 45.8 68.6#
99 0.0 51.1 76.7#

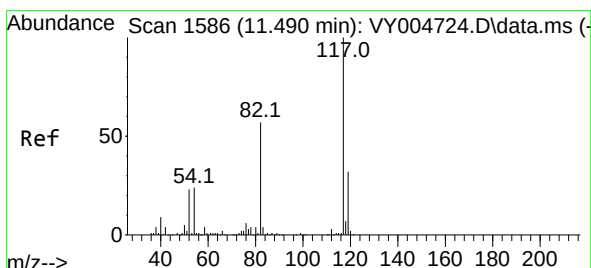
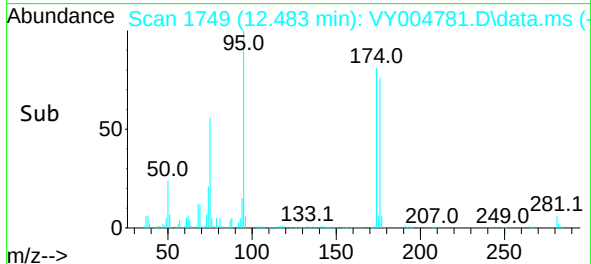
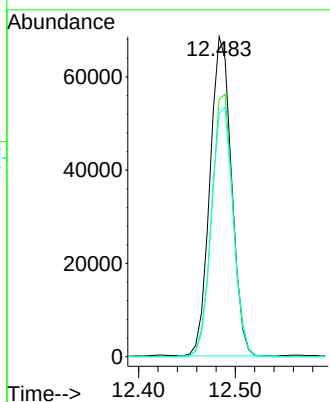
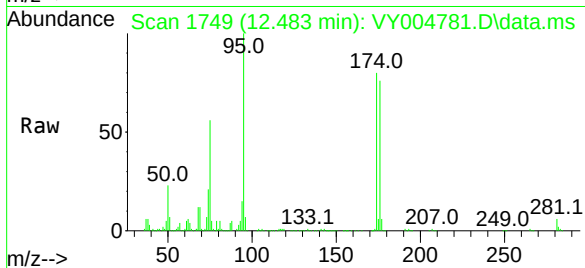




#62
4-Bromofluorobenzene
Concen: 50.92 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

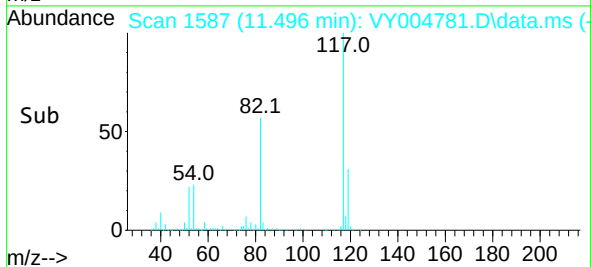
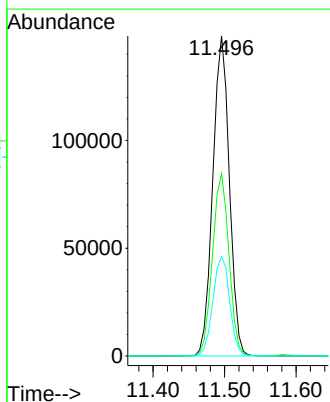
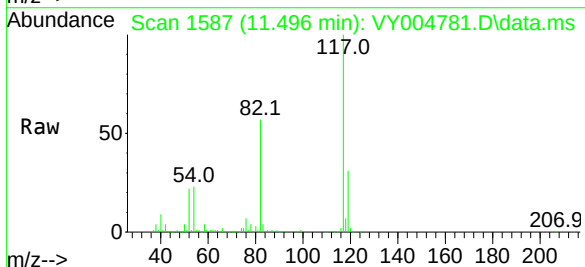
Instrument :
MSVOA_Y
ClientSampleId :

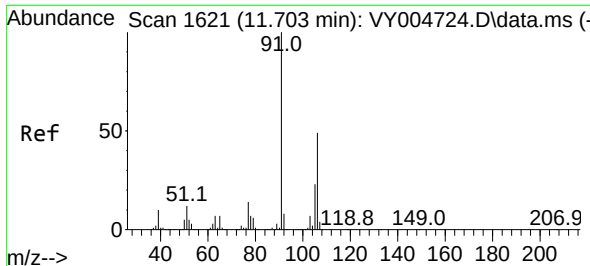
Tgt Ion: 95 Resp: 105849
Ion Ratio Lower Upper
95 100
174 82.4 0.0 164.2
176 79.2 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 117 Resp: 238281
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 31.1 25.8 38.6

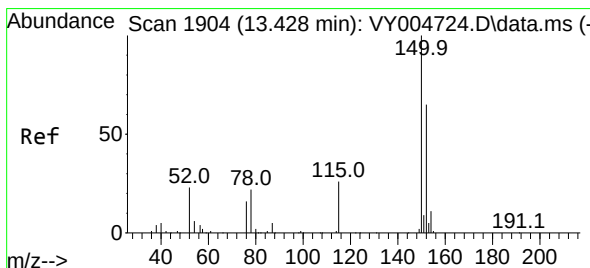
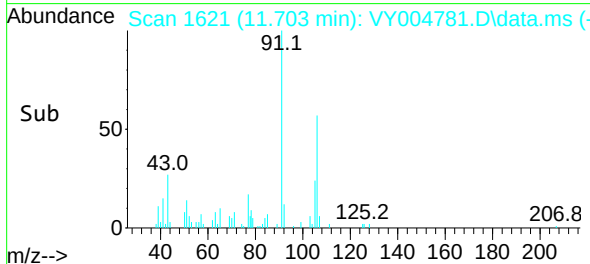
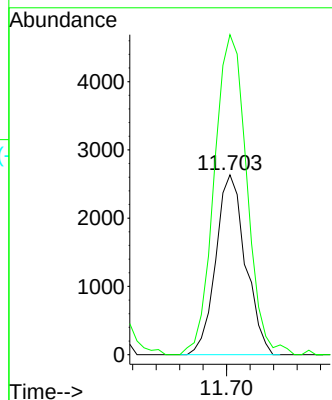
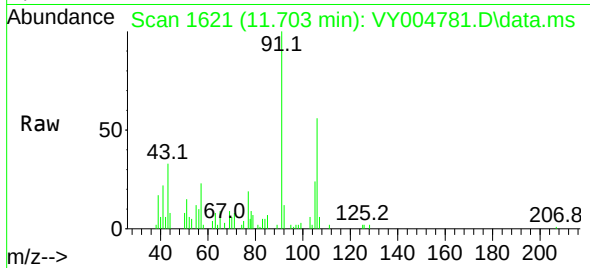




#68
m/p-Xylenes
Concen: 1.35 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

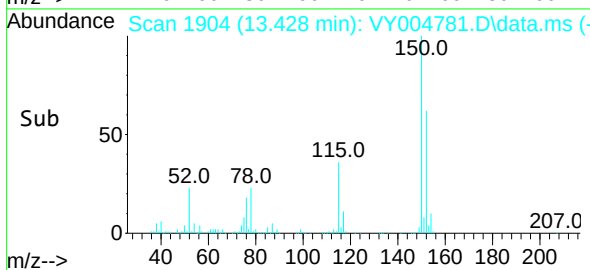
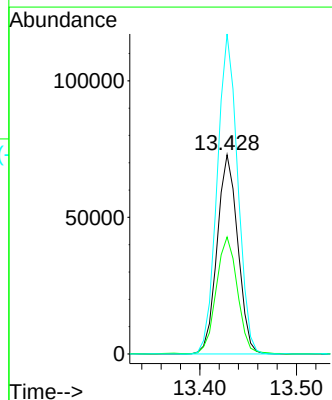
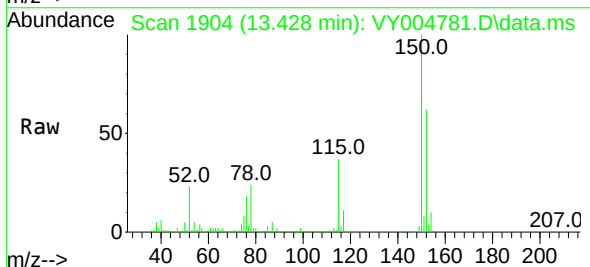
Instrument :
MSVOA_Y
ClientSampleId :

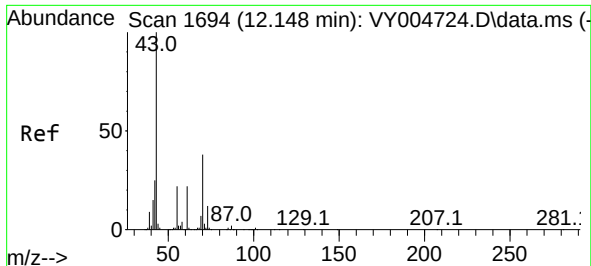
Tgt Ion:106 Resp: 4625
Ion Ratio Lower Upper
106 100
91 194.8 163.6 245.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion:152 Resp: 108038
Ion Ratio Lower Upper
152 100
115 60.6 29.4 88.3
150 159.5 0.0 349.8

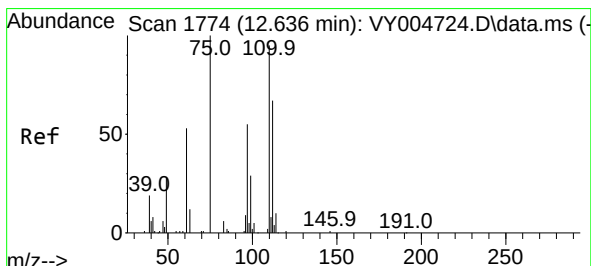
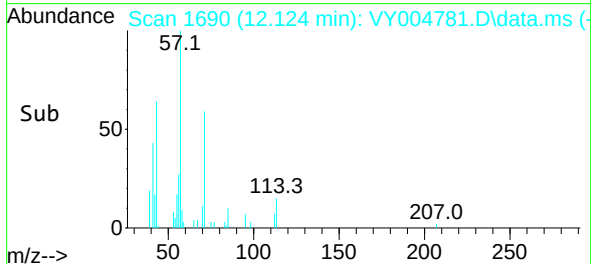
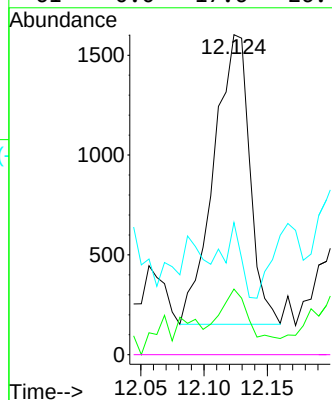
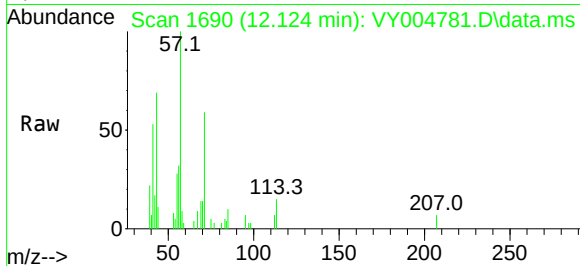




#74
N-amy1 acetate
Concen: 1.00 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

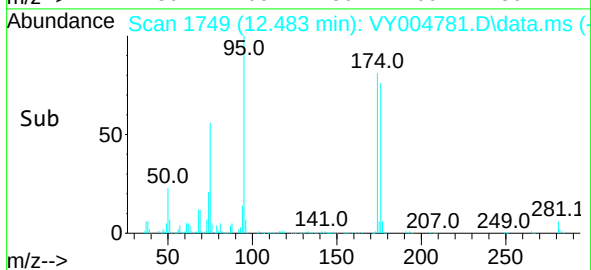
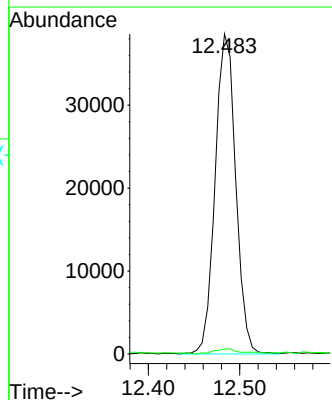
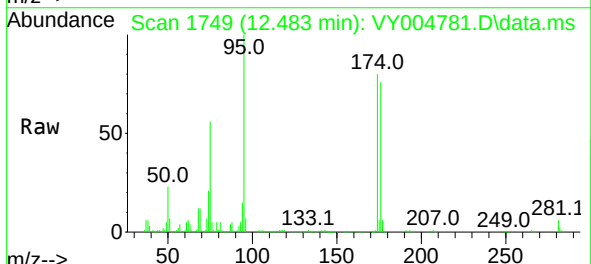
Instrument :
MSVOA_Y
ClientSampleId :

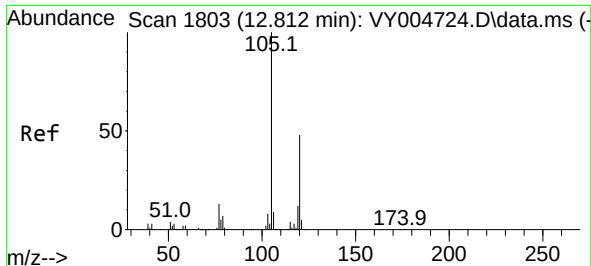
Tgt Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
70 12.0 30.2 45.2#
55 0.0 17.8 26.8#
61 0.0 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 52.61 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 75 Resp: 60377
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

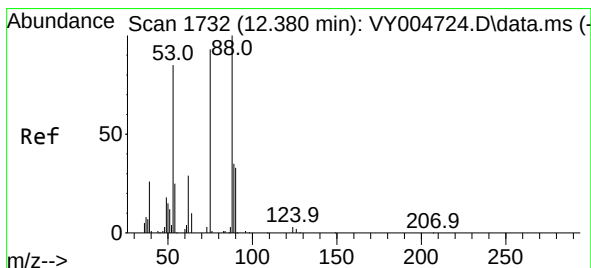
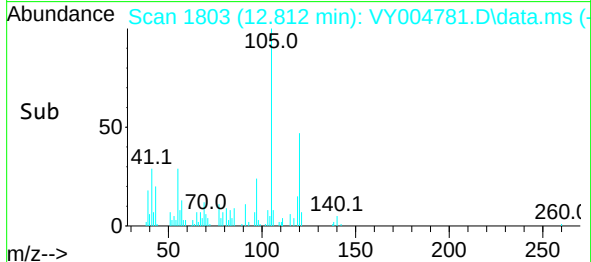
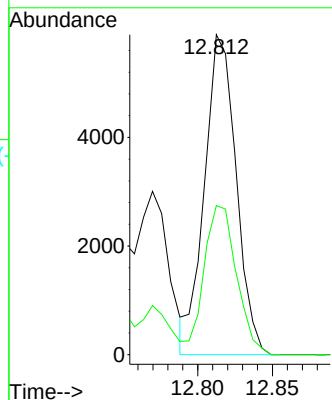
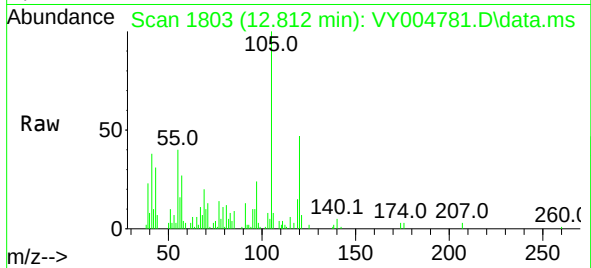




#80
1,3,5-Trimethylbenzene
Concen: 1.28 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

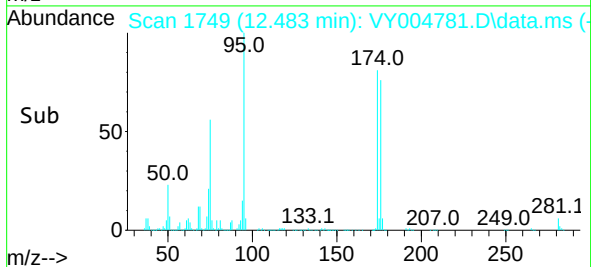
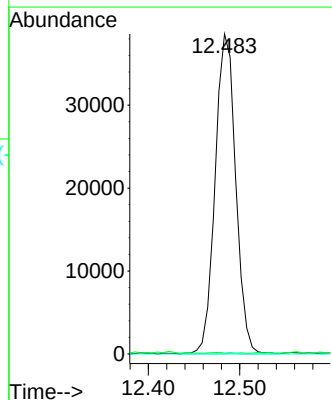
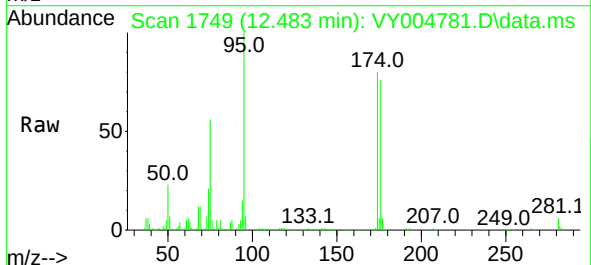
Instrument :
MSVOA_Y
ClientSampled :

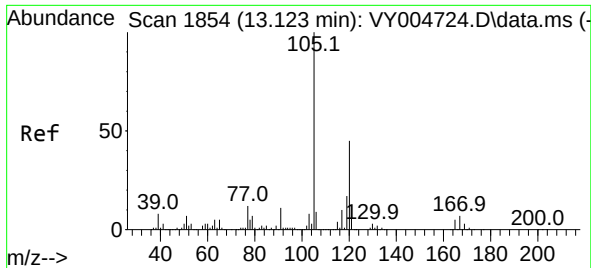
Tgt Ion:105 Resp: 8671
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 91.23 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion: 75 Resp: 60377
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 0.1 35.5 53.3#

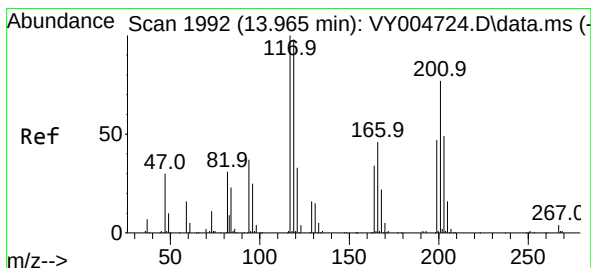
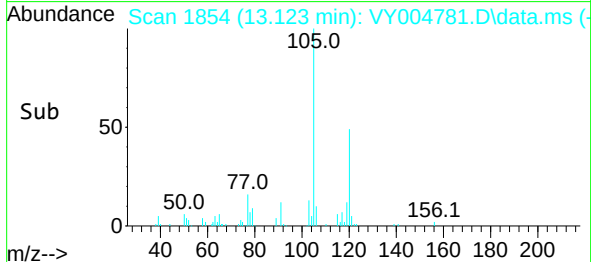
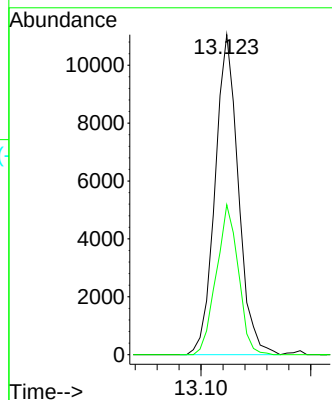
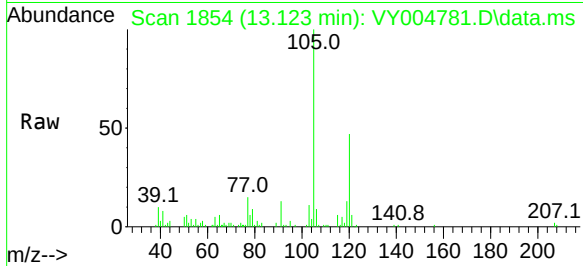




#84
1,2,4-Trimethylbenzene
Concen: 2.41 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

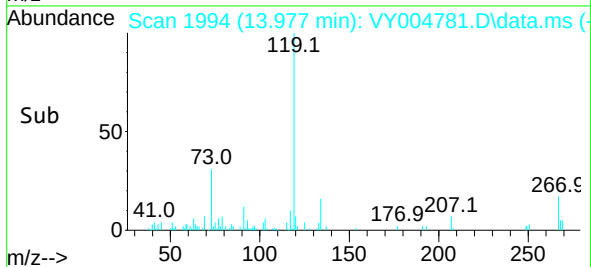
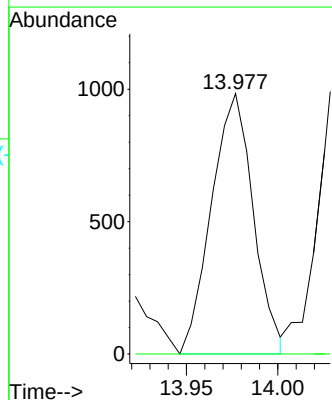
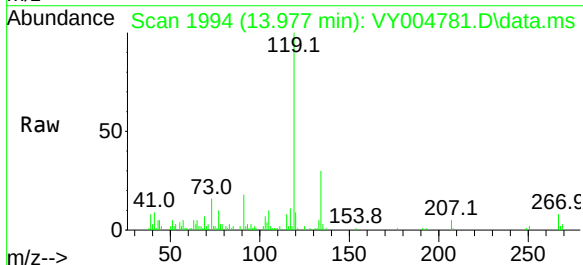
Instrument :
MSVOA_Y
ClientSampled :

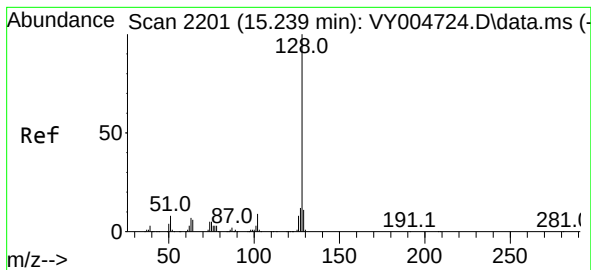
Tgt Ion:105 Resp: 16319
Ion Ratio Lower Upper
105 100
120 44.3 22.5 67.5



#90
Hexachloroethane
Concen: 1.53 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Tgt Ion:117 Resp: 1568
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#





#95
Naphthalene
Concen: 7.89 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004781.D
Acq: 14 May 2021 14:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 35003
Ion Ratio Lower Upper
128 100
127 14.3 10.2 15.2
129 11.9 8.6 13.0

