

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004441.D
 Acq On : 15 Apr 2021 15:21
 Operator : SY/MD
 Sample : M2040-01
 Misc : 6.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:04:35 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	238807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	416736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	380936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153946	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	147747	55.68	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.36%
35) Dibromofluoromethane	7.728	113	124393	53.79	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.58%
50) Toluene-d8	10.185	98	512314	52.08	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.16%
62) 4-Bromofluorobenzene	12.483	95	172574	51.70	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.40%

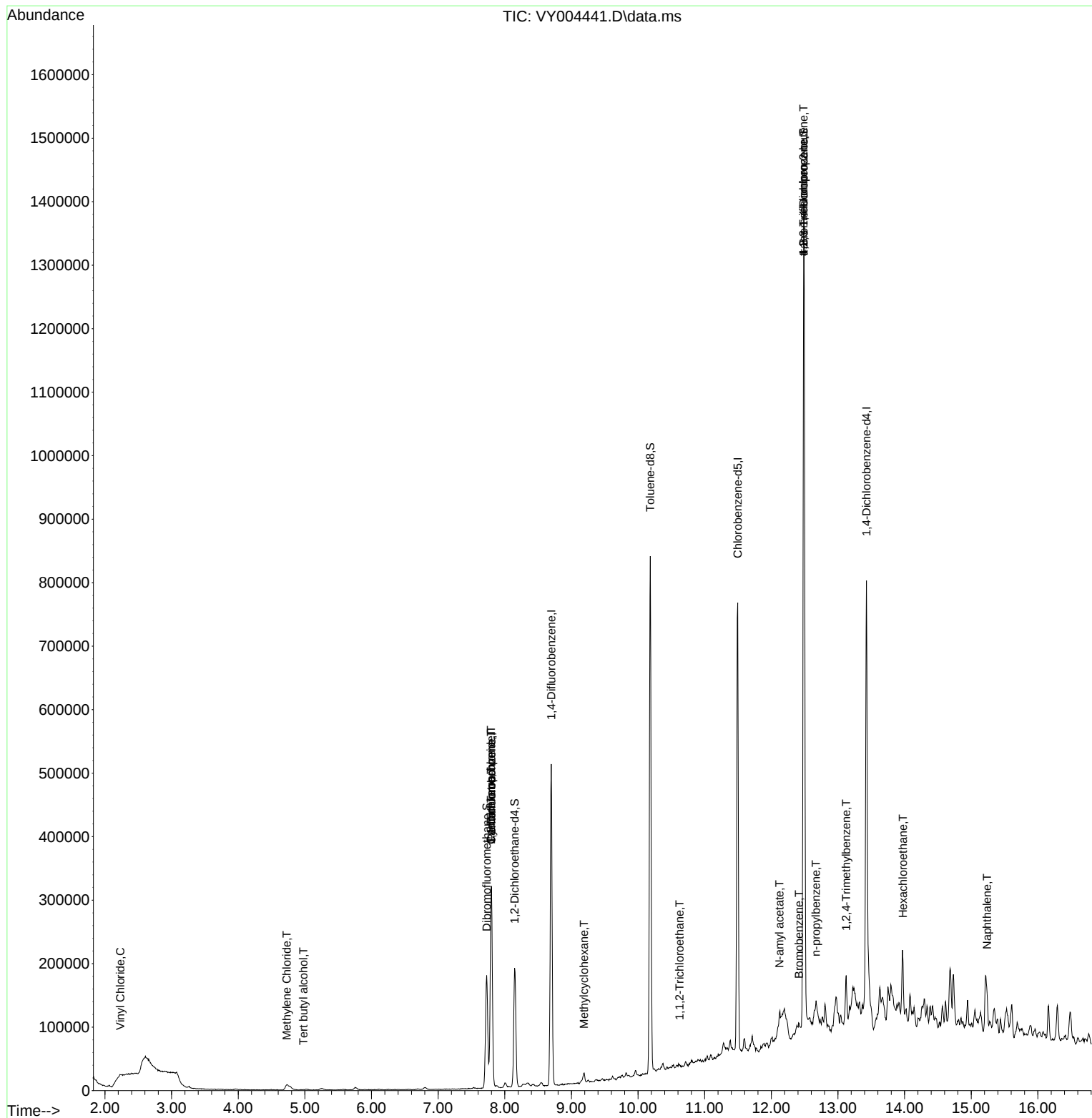
Target Compounds						Qvalue
4) Vinyl Chloride	2.229	62	13204	3.91	ug/l #	43
11) Tert butyl alcohol	4.978	59	685	2.62	ug/l #	73
16) Acetone	3.960	43	1927	Below Cal		91
20) Methylene Chloride	4.728	84	5404	2.11	ug/l #	80
31) Cyclohexane	7.795	56	7398	1.52	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	18965	4.58	ug/l #	52
38) Carbon Tetrachloride	7.795	117	24465	6.83	ug/l #	16
39) Methylcyclohexane	9.191	83	6358	1.25	ug/l	91
55) 1,1,2-Trichloroethane	10.624	97	2647	1.17	ug/l #	22
74) N-amyl acetate	12.123	43	5760	1.44	ug/l #	64
76) 1,2,3-Trichloropropane	12.483	75	96679	58.51	ug/l #	100
77) Bromobenzene	12.416	156	9090	3.41	ug/l #	1
78) n-propylbenzene	12.672	91	20675	1.47	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.483	75	96679	104.67	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	36846	3.78	ug/l	97
90) Hexachloroethane	13.977	117	3400	2.41	ug/l #	19
95) Naphthalene	15.239	128	35297	5.55	ug/l	96

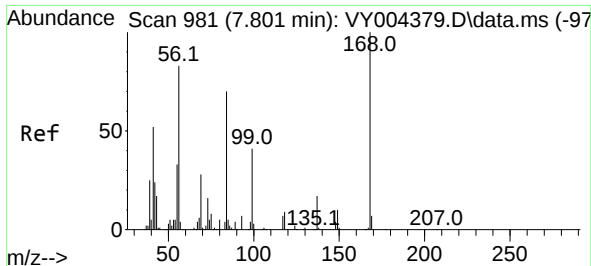
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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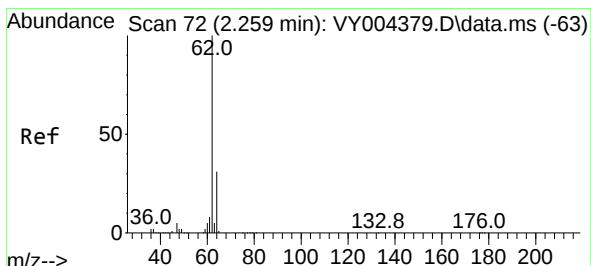
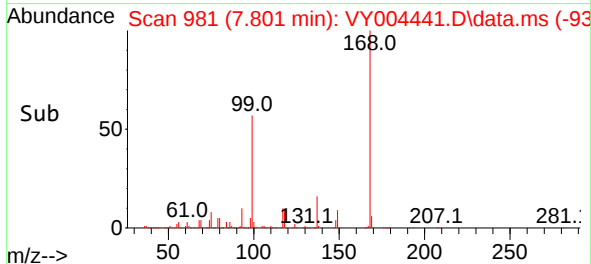
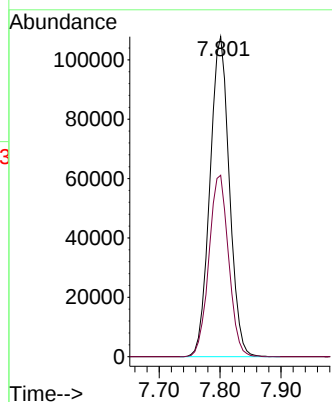
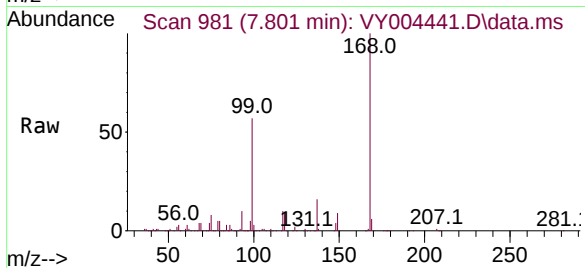




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

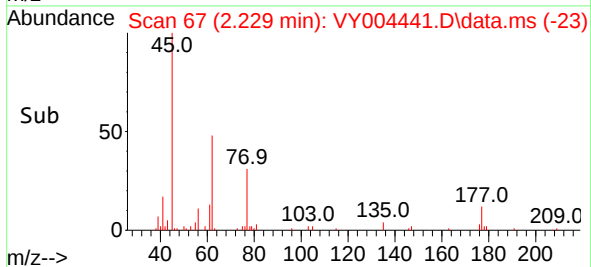
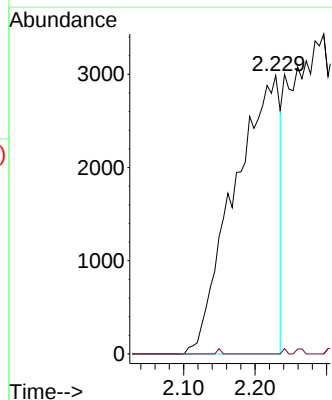
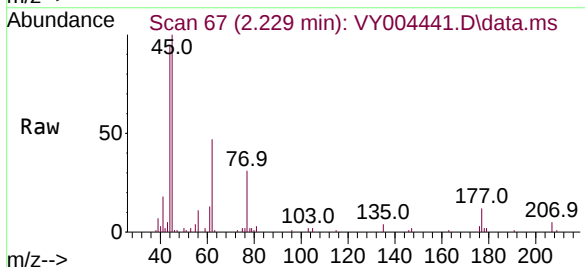
Instrument :
MSVOA_Y
ClientSampled :

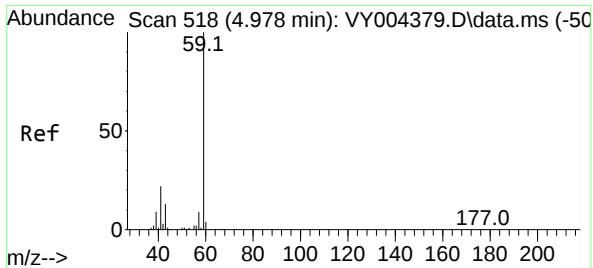
Tgt Ion:168 Resp: 238807
Ion Ratio Lower Upper
168 100
99 56.7 45.5 68.3



#4
Vinyl Chloride
Concen: 3.91 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.030 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion: 62 Resp: 13204
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

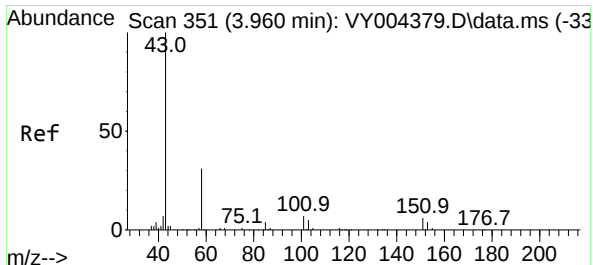
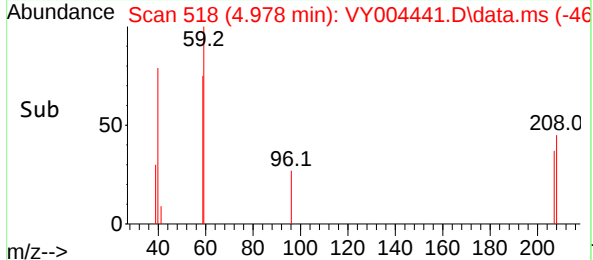
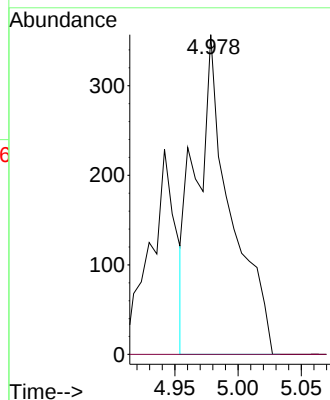
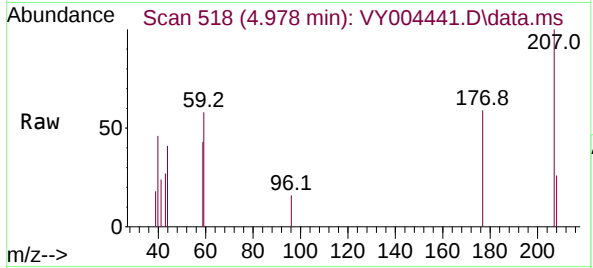




#11
Tert butyl alcohol
Concen: 2.62 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

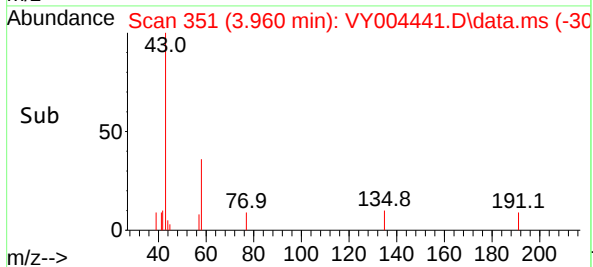
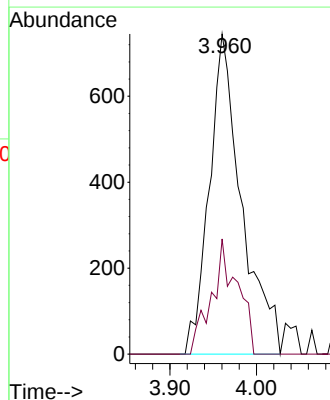
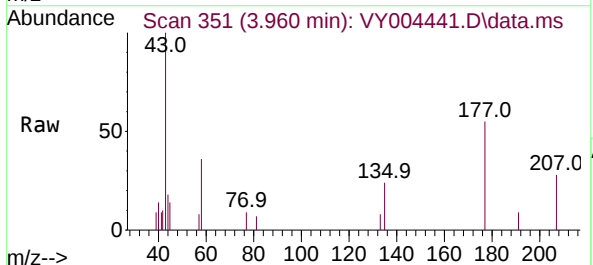
Instrument :
MSVOA_Y
ClientSampleId :

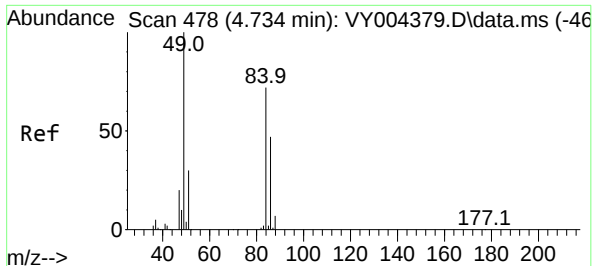
Tgt Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion: 43 Resp: 1927
Ion Ratio Lower Upper
43 100
58 36.0 24.6 37.0





#20

Methylene Chloride

Concen: 2.11 ug/l

RT: 4.728 min Scan# 477

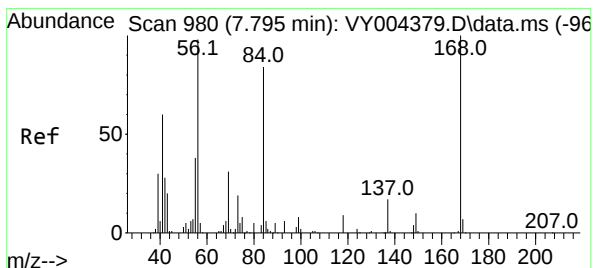
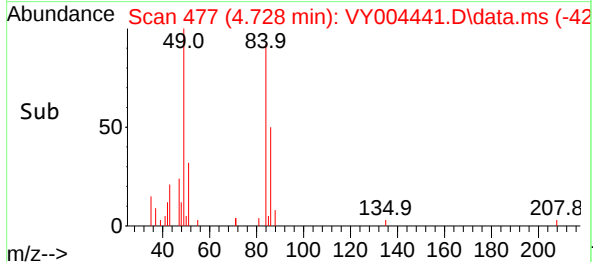
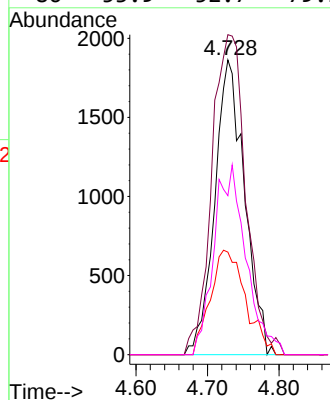
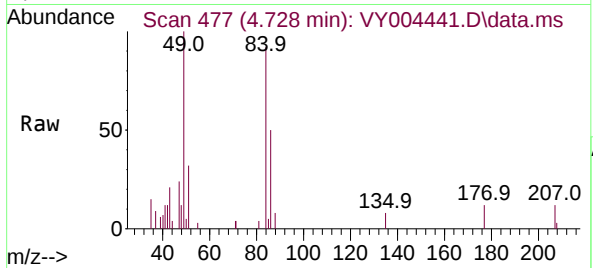
Delta R.T. -0.006 min

Lab File: VY004441.D

Acq: 15 Apr 2021 15:21

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	84	Resp:	5404
Ion	Ratio	Lower	Upper
84	100		
49	108.6	111.2	166.8#
51	34.8	33.4	50.2
86	53.9	52.7	79.1



#31

Cyclohexane

Concen: 1.52 ug/l

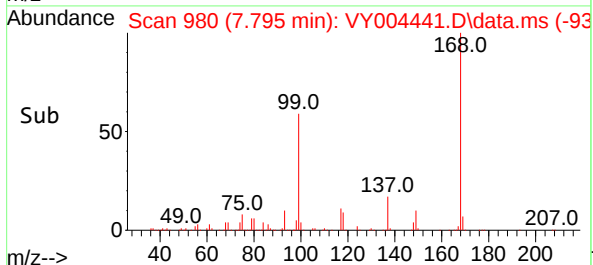
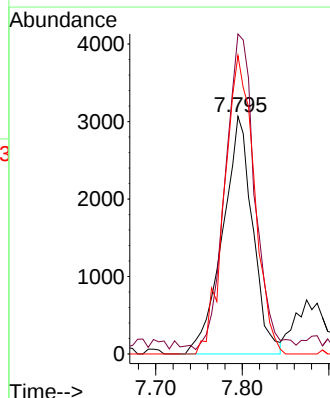
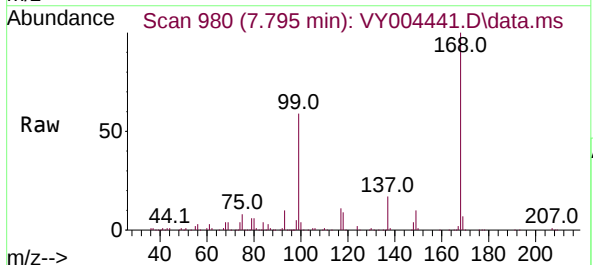
RT: 7.795 min Scan# 980

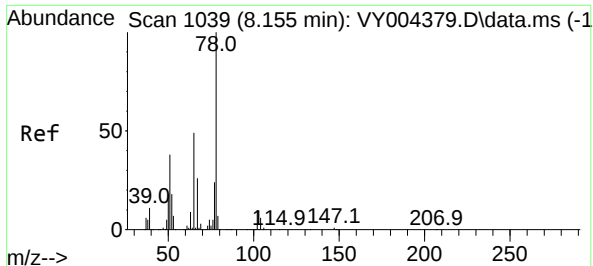
Delta R.T. 0.000 min

Lab File: VY004441.D

Acq: 15 Apr 2021 15:21

Tgt Ion:	56	Resp:	7398
Ion	Ratio	Lower	Upper
56	100		
69	131.8	25.8	38.6#
84	125.6	68.2	102.4#

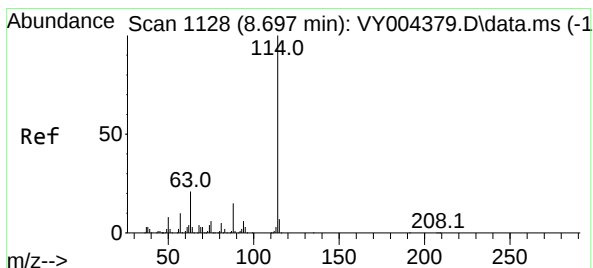
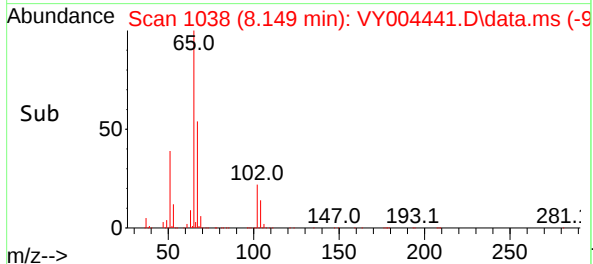
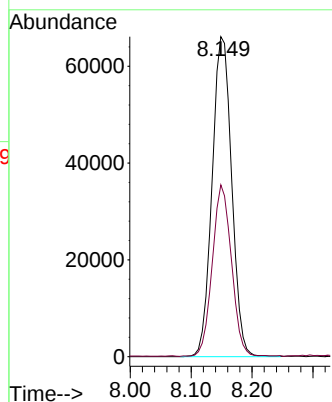
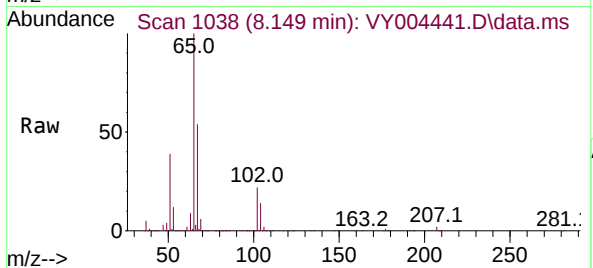




#33
1,2-Dichloroethane-d4
Concen: 55.68 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

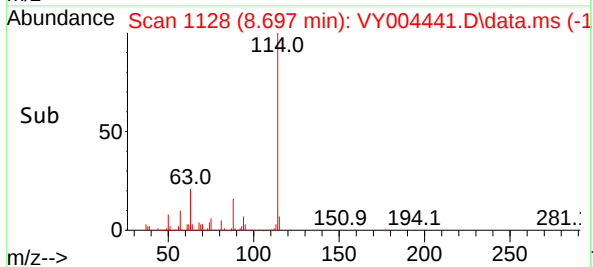
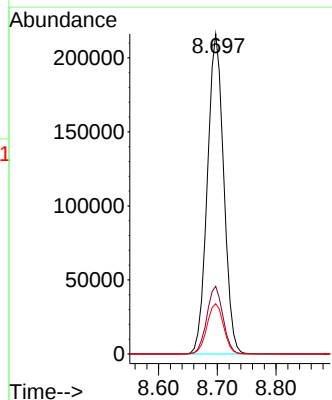
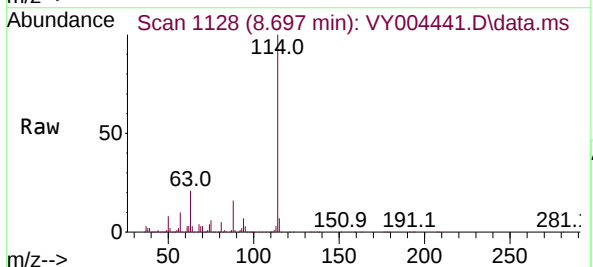
Instrument :
MSVOA_Y
ClientSampleId :

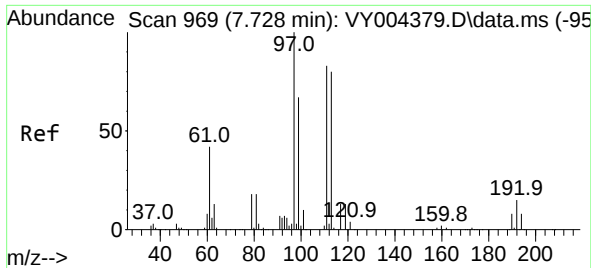
Tgt Ion: 65 Resp: 147747
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

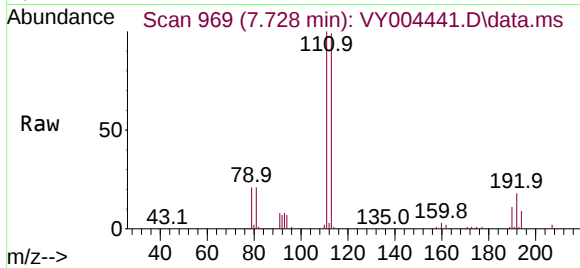
Tgt Ion:114 Resp: 416736
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.4
88 15.7 0.0 30.8



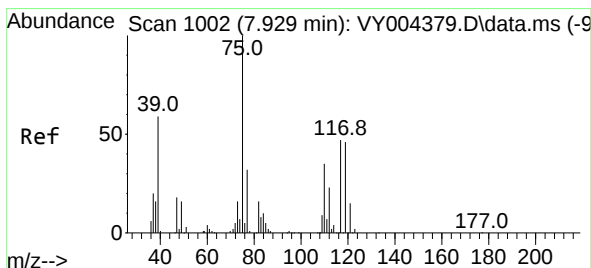
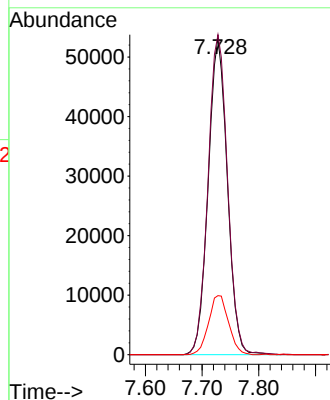
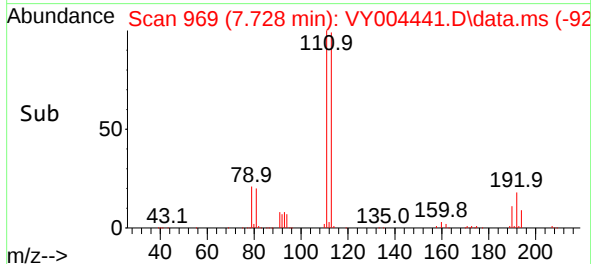


#35
Dibromofluoromethane
Concen: 53.79 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

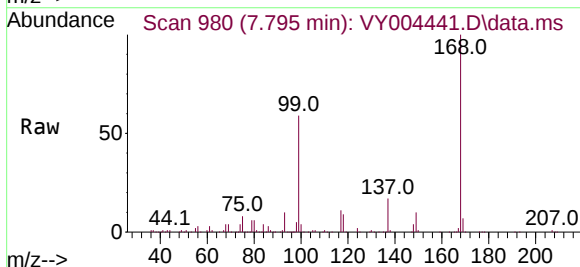
Instrument :
MSVOA_Y
ClientSampleId :



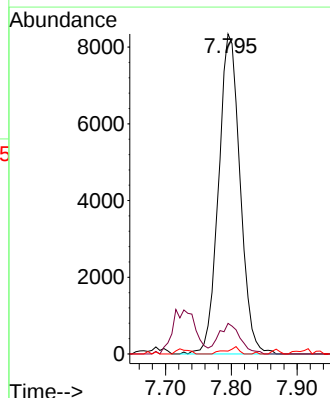
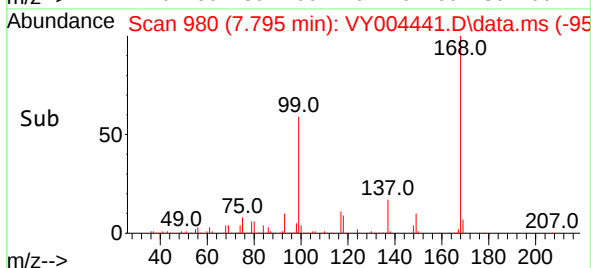
Tgt Ion:113 Resp: 124393
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 19.5 16.1 24.1

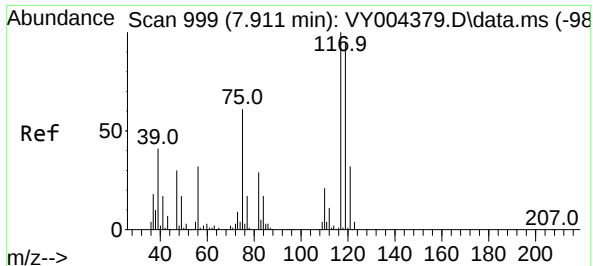


#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21



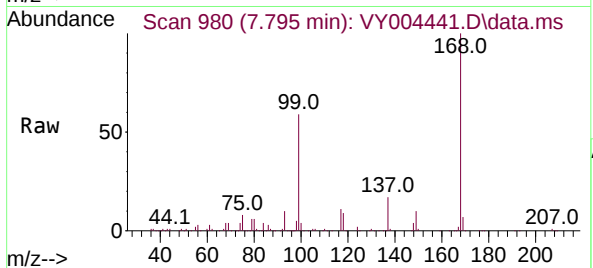
Tgt Ion: 75 Resp: 18965
Ion Ratio Lower Upper
75 100
110 9.6 17.3 51.7#
77 1.3 24.3 36.5#



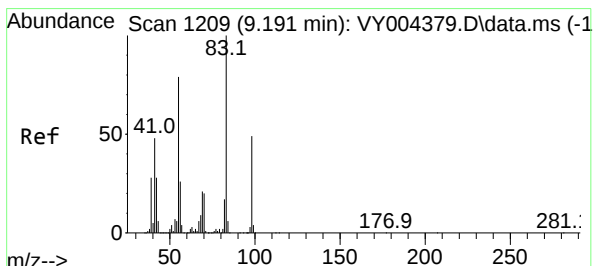
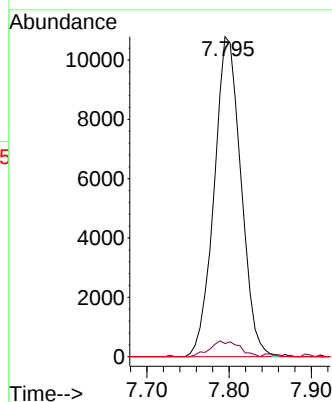
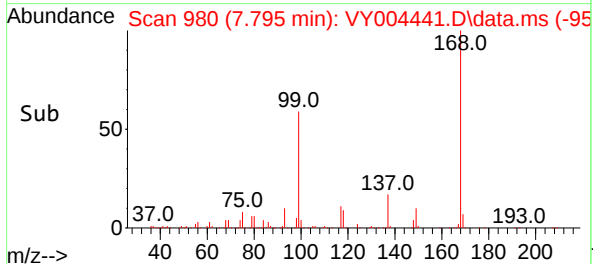


#38
Carbon Tetrachloride
Concen: 6.83 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

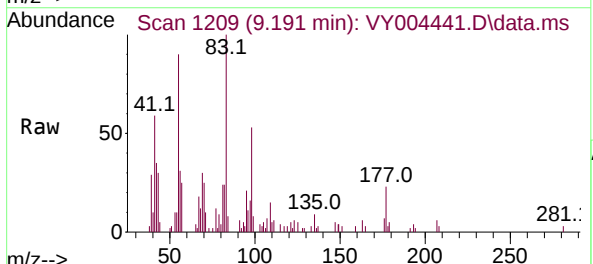
Instrument :
MSVOA_Y
ClientSampled :



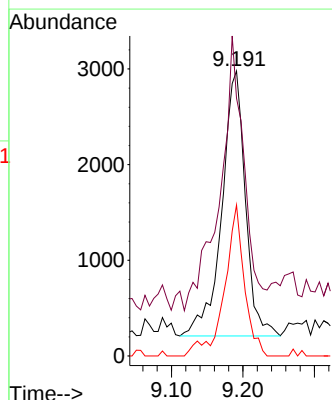
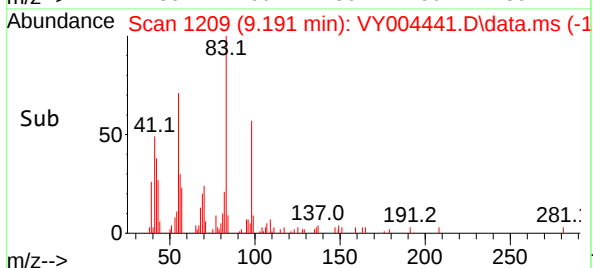
Tgt Ion:117 Resp: 24465
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 25.3 37.9#

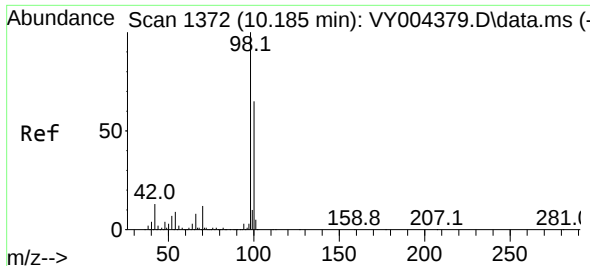


#39
Methylcyclohexane
Concen: 1.25 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21



Tgt Ion: 83 Resp: 6358
Ion Ratio Lower Upper
83 100
55 72.8 63.0 94.4
98 57.0 39.2 58.8

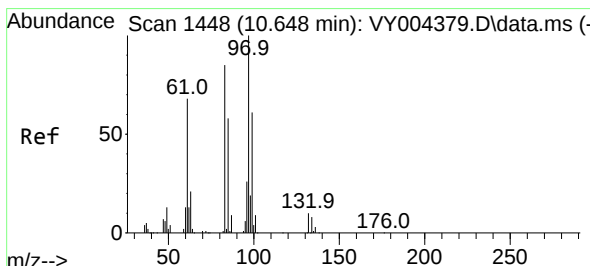
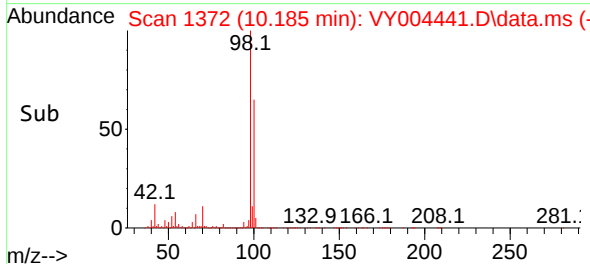
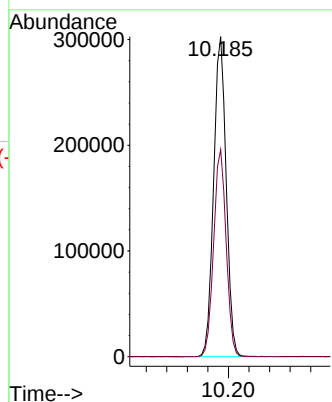
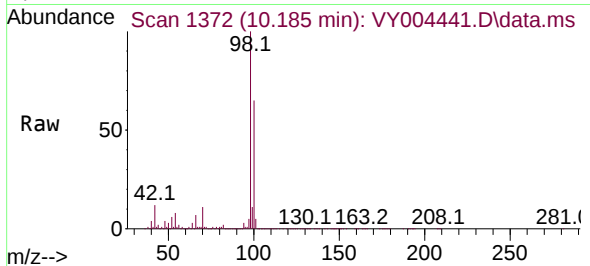




#50
Toluene-d8
Concen: 52.08 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

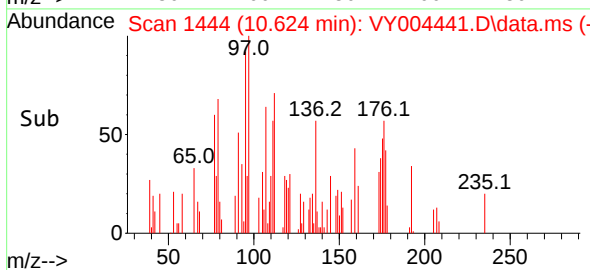
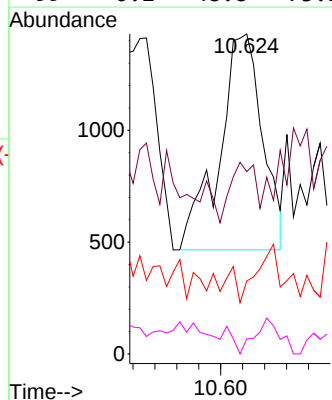
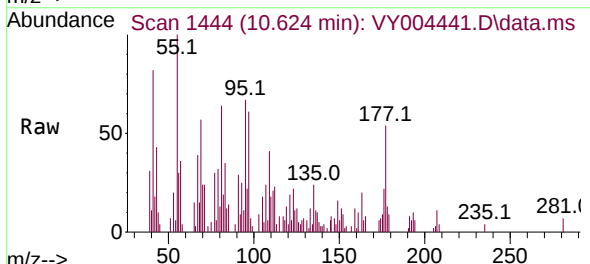
Instrument :
MSVOA_Y
ClientSampled :

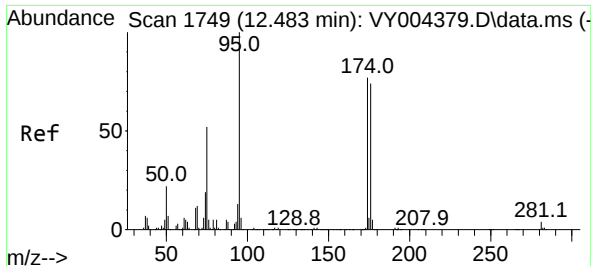
Tgt Ion: 98 Resp: 512314
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.17 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion: 97 Resp: 2647
Ion Ratio Lower Upper
97 100
83 12.1 68.4 102.6#
85 2.8 46.2 69.4#
99 0.2 48.8 73.2#

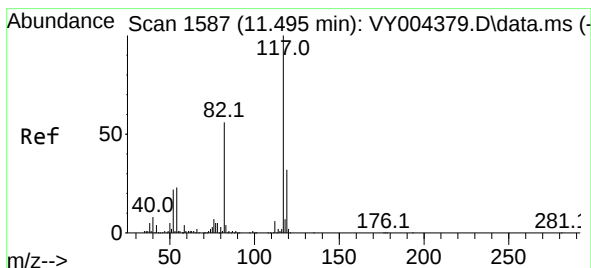
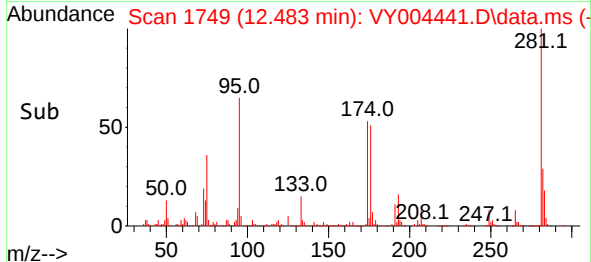
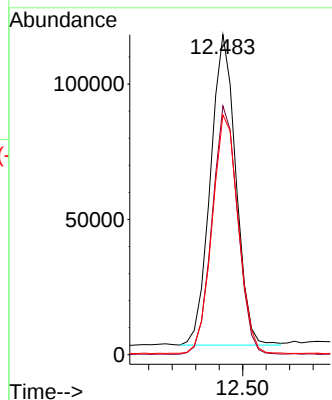
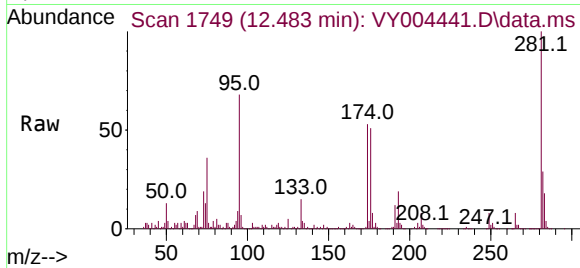




#62
4-Bromofluorobenzene
Concen: 51.70 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

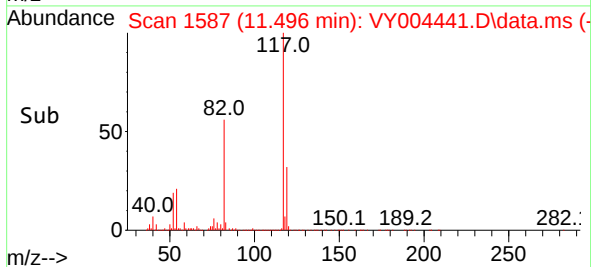
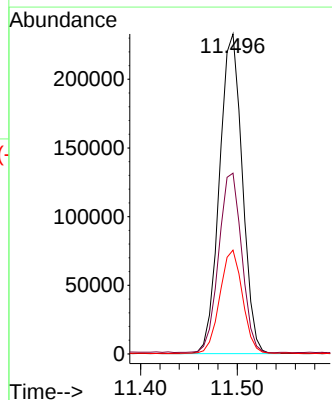
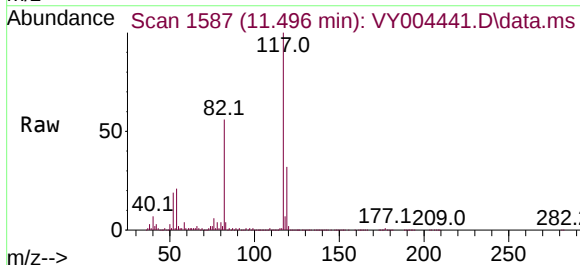
Instrument :
MSVOA_Y
ClientSampleId :

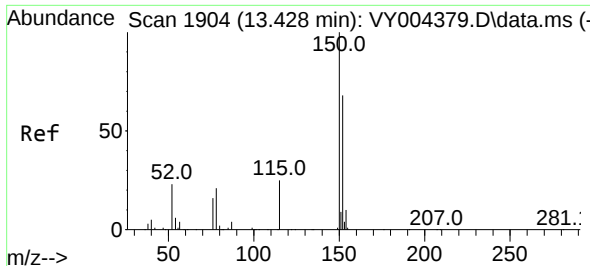
Tgt Ion: 95 Resp: 172574
Ion Ratio Lower Upper
95 100
174 80.4 0.0 162.4
176 78.8 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion: 117 Resp: 380936
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 32.3 25.4 38.0

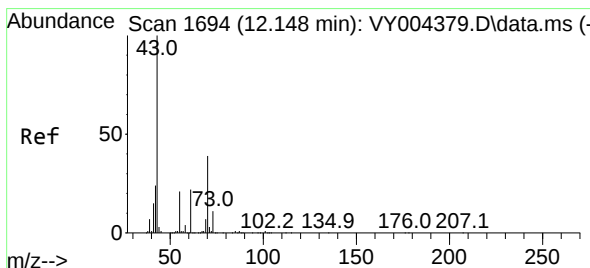
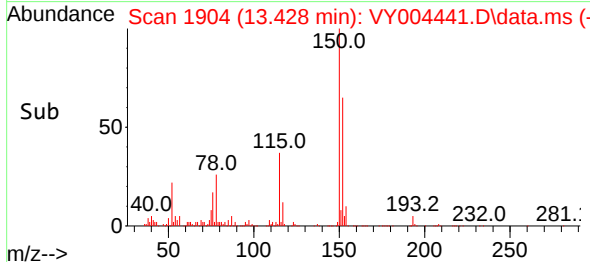
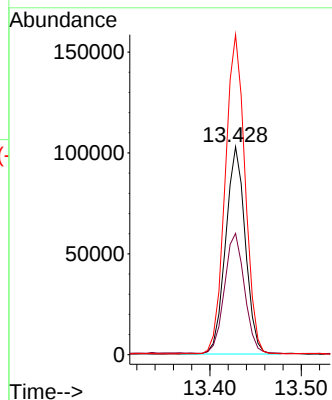
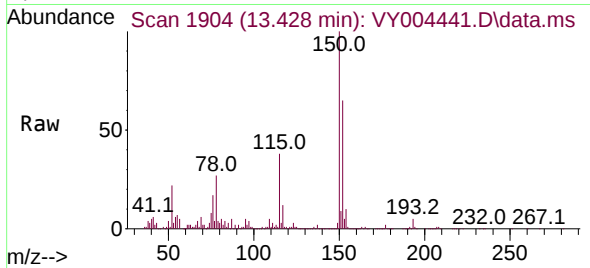




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

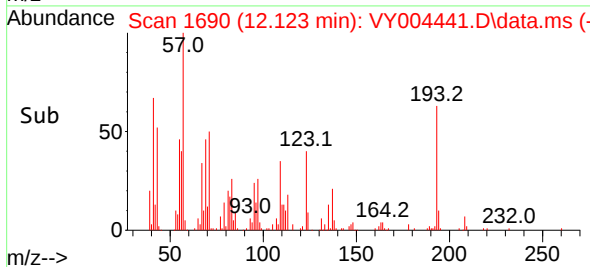
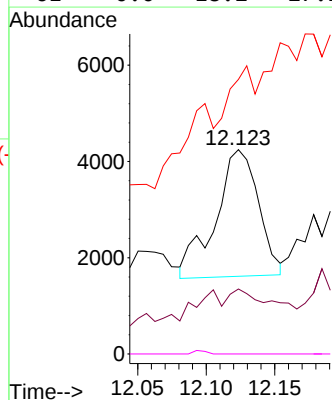
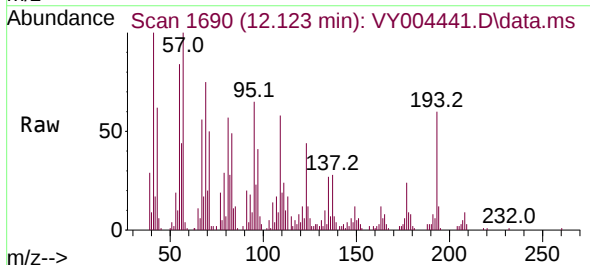
Instrument :
MSVOA_Y
ClientSampleId :

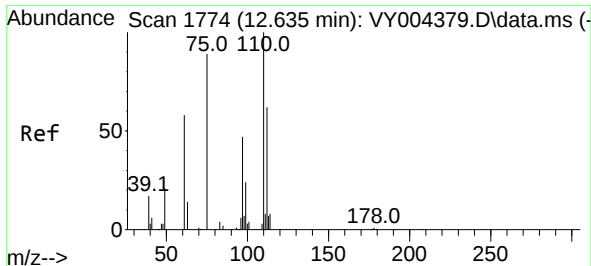
Tgt Ion:152 Resp: 153946
Ion Ratio Lower Upper
152 100
115 59.3 29.6 88.8
150 154.8 0.0 348.4



#74
N-ethyl acetate
Concen: 1.44 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion: 43 Resp: 5760
Ion Ratio Lower Upper
43 100
70 11.3 30.4 45.6#
55 25.9 17.4 26.0
61 0.0 18.2 27.2#

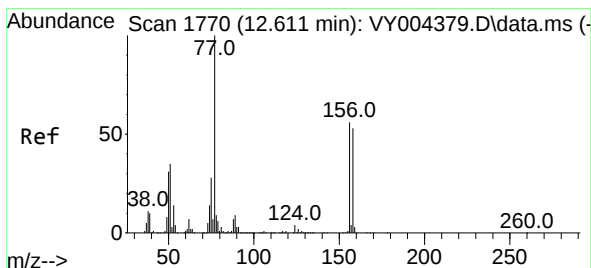
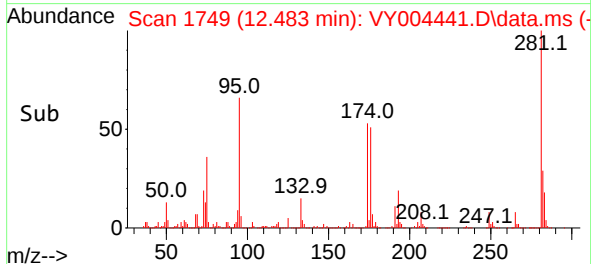
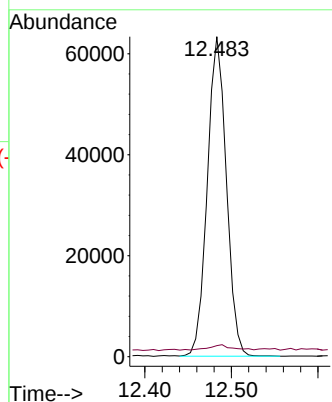
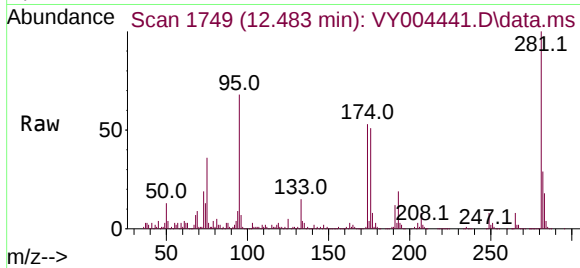




#76
1,2,3-Trichloropropane
Concen: 58.51 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

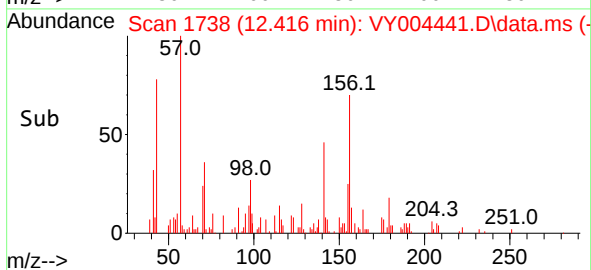
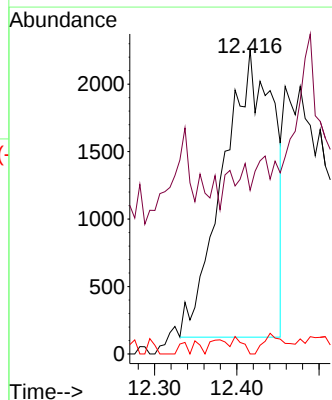
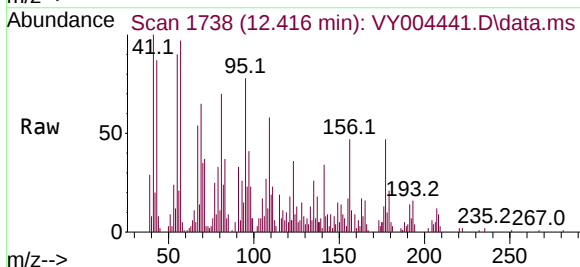
Instrument :
MSVOA_Y
ClientSampleId :

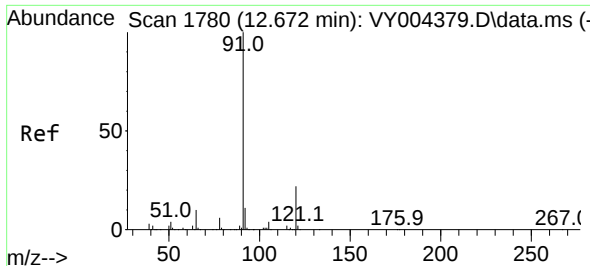
Tgt Ion: 75 Resp: 96679
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 3.41 ug/l
RT: 12.416 min Scan# 1738
Delta R.T. -0.195 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion:156 Resp: 9090
Ion Ratio Lower Upper
156 100
77 0.0 98.6 295.7#
158 0.0 48.4 145.2#

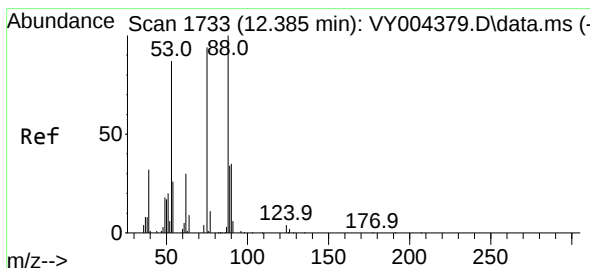
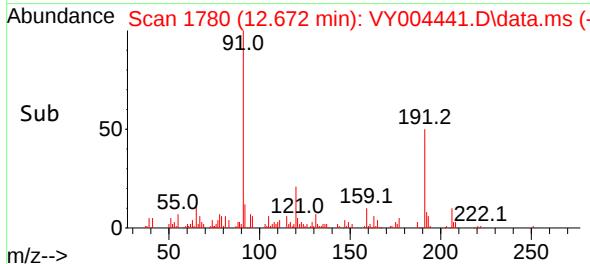
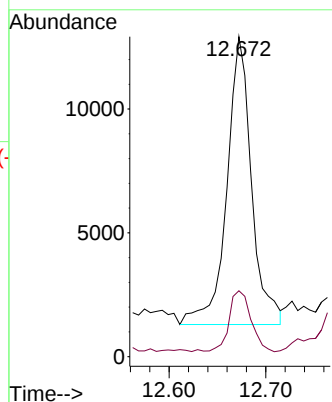
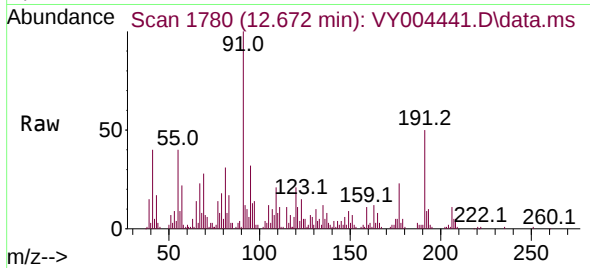




#78
n-propylbenzene
Concen: 1.47 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

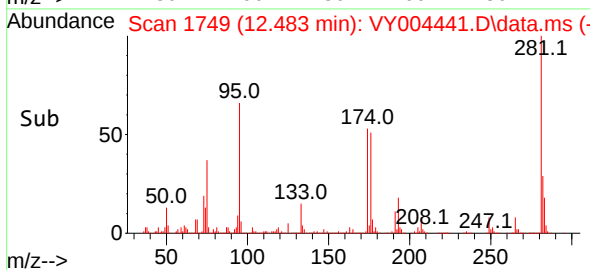
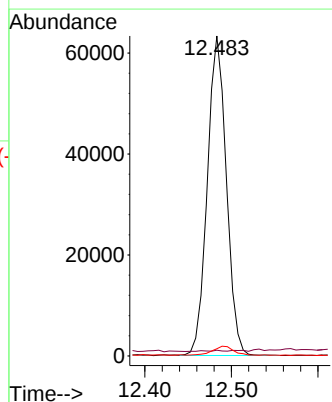
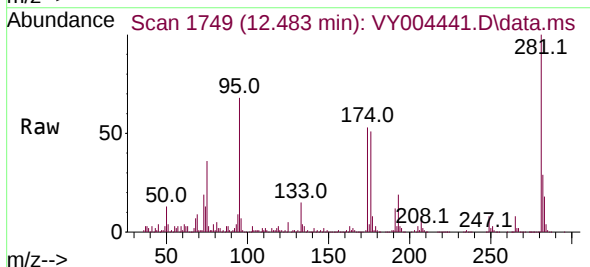
Instrument :
MSVOA_Y
ClientSampled :

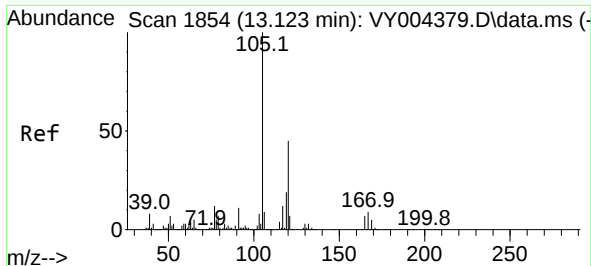
Tgt Ion: 91 Resp: 20675
Ion Ratio Lower Upper
91 100
120 18.7 11.5 34.4



#81
trans-1,4-Dichloro-2-butene
Concen: 104.67 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion: 75 Resp: 96679
Ion Ratio Lower Upper
75 100
53 0.3 75.0 112.6#
89 3.1 36.1 54.1#

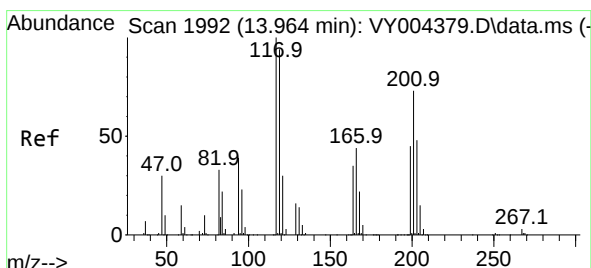
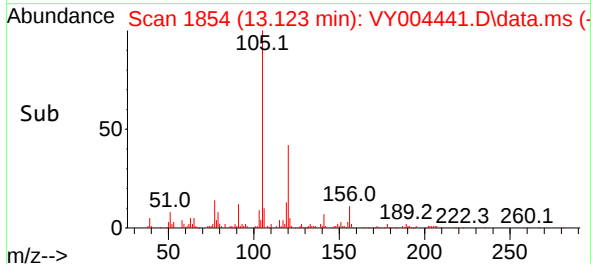
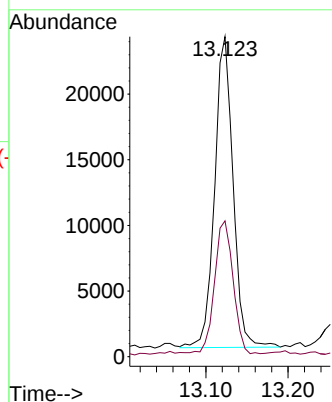
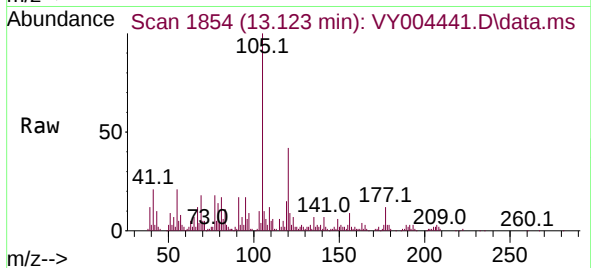




#84
1,2,4-Trimethylbenzene
Concen: 3.78 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

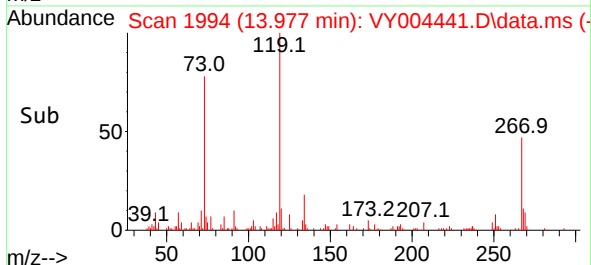
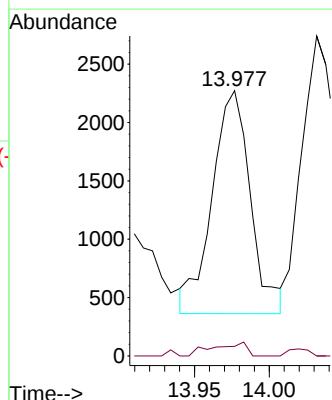
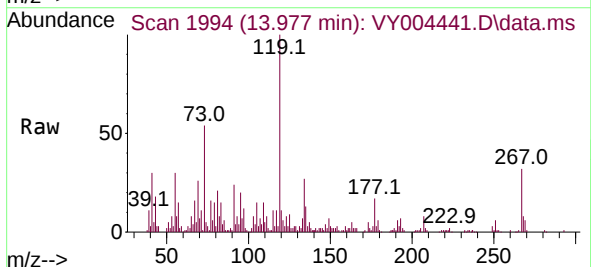
Instrument :
MSVOA_Y
ClientSampled :

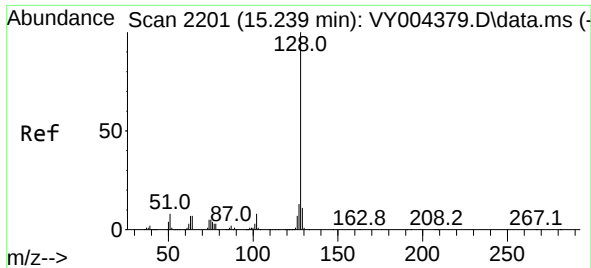
Tgt Ion:105 Resp: 36846
Ion Ratio Lower Upper
105 100
120 43.0 22.4 67.3



#90
Hexachloroethane
Concen: 2.41 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Tgt Ion:117 Resp: 3400
Ion Ratio Lower Upper
117 100
201 5.3 36.6 109.9#





#95
Naphthalene
Concen: 5.55 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004441.D
Acq: 15 Apr 2021 15:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:	128	Resp:	35297
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.2
129	11.7	8.8	13.2

