

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042021\
 Data File : VY004523.D
 Acq On : 20 Apr 2021 13:02
 Operator : SY/MD
 Sample : M2090-02
 Misc : 7.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 21 08:50:12 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)

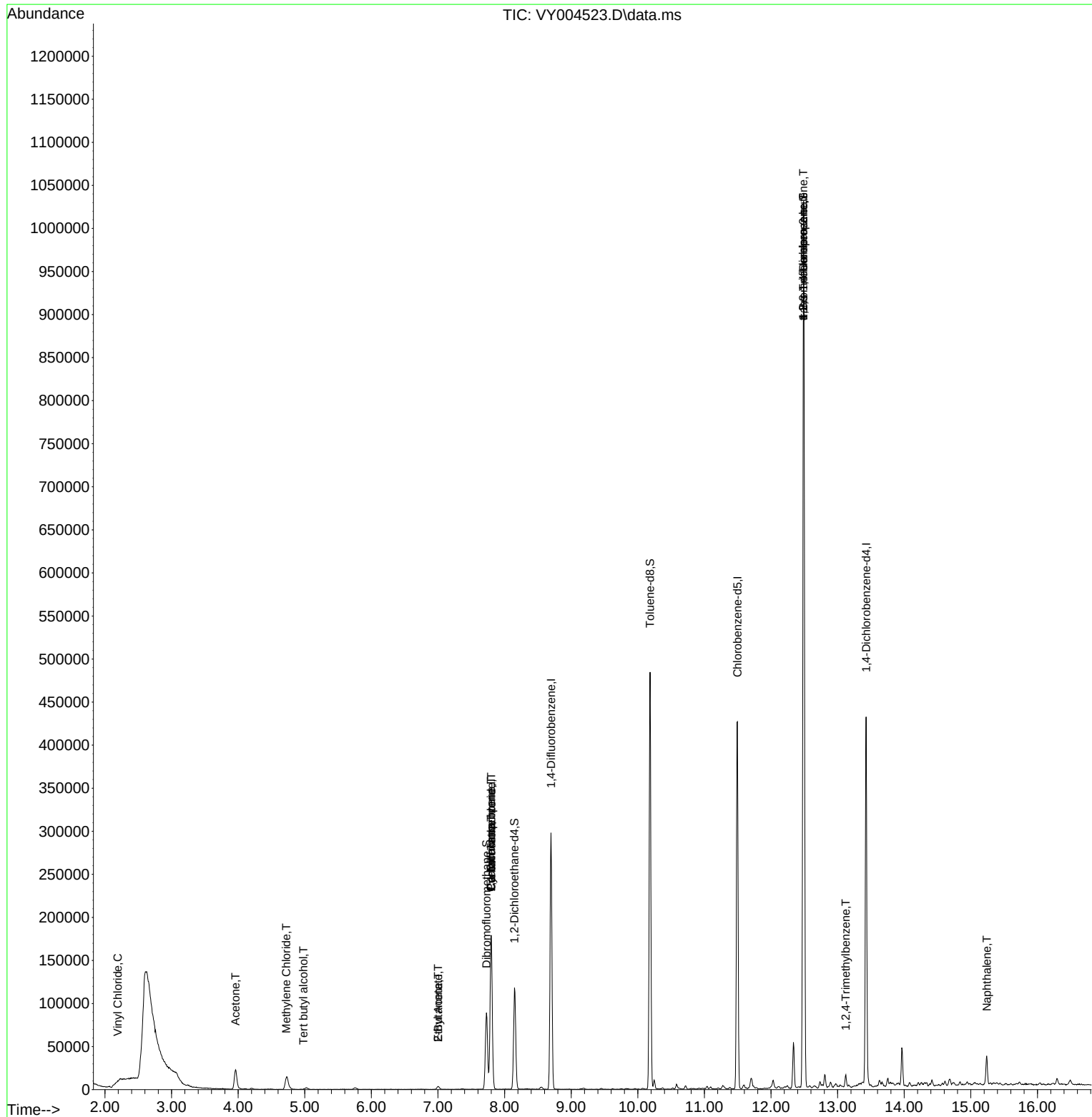
Internal Standards						
1) Pentafluorobenzene	7.801	168	137931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	241137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	226589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89806	58.60	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.20%
35) Dibromofluoromethane	7.728	113	61751	46.14	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.28%
50) Toluene-d8	10.185	98	300985	52.88	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.76%
62) 4-Bromofluorobenzene	12.483	95	105541	54.64	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.28%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.192	62	4112	2.11	ug/l #	43
11) Tert butyl alcohol	4.978	59	741	4.91	ug/l #	73
16) Acetone	3.960	43	40228	113.15	ug/l	93
20) Methylene Chloride	4.722	84	10240	6.92	ug/l #	92
25) 2-Butanone	7.002	43	6037	10.34	ug/l	91
31) Cyclohexane	7.795	56	3568	1.27	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	11357	4.74	ug/l #	50
37) Ethyl Acetate	7.002	43	6037	3.91	ug/l #	70
38) Carbon Tetrachloride	7.801	117	14157	6.83	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	65664	60.64	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65664	108.47	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	7212	1.13	ug/l	100
95) Naphthalene	15.239	128	25533	6.13	ug/l	99

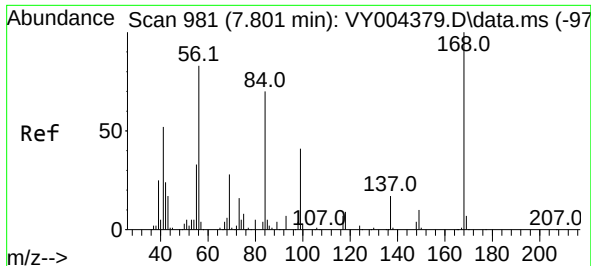
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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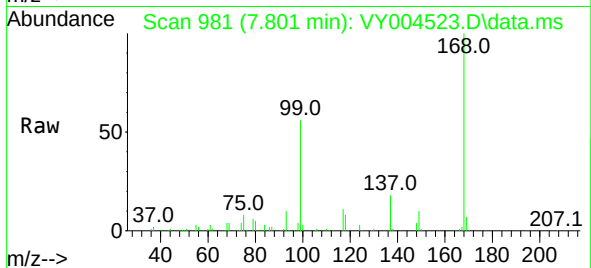
Quant Time: Apr 21 08:50:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
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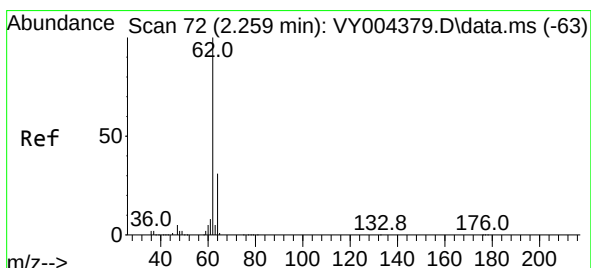
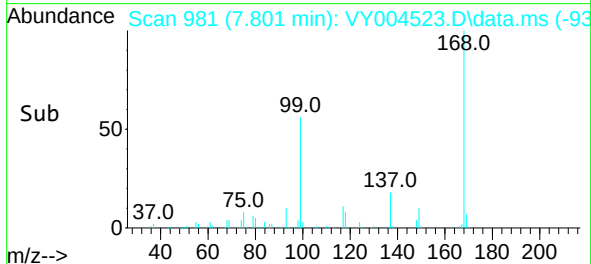
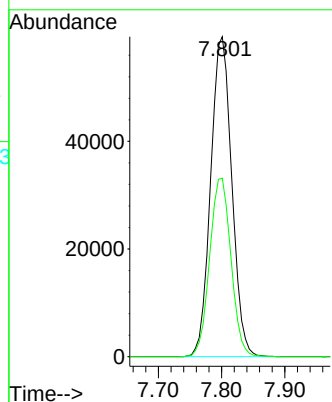


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Instrument :
MSVOA_Y
ClientSampleId :

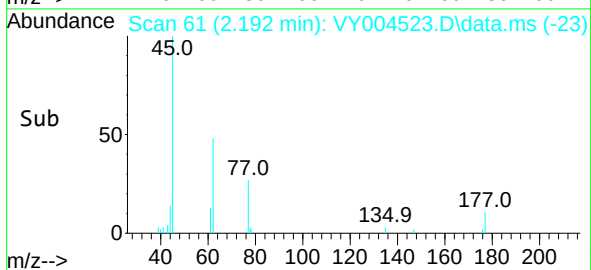
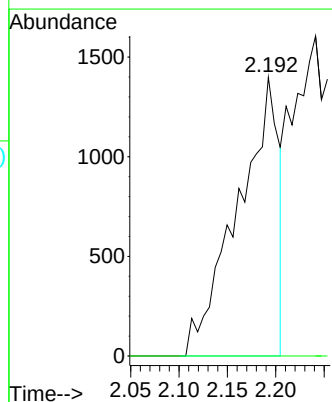
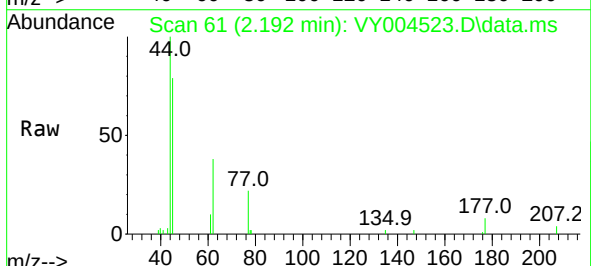


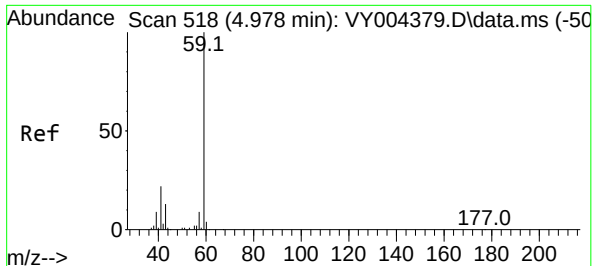
Tgt Ion:168 Resp: 137931
Ion Ratio Lower Upper
168 100
99 55.8 45.5 68.3



#4
Vinyl Chloride
Concen: 2.11 ug/l
RT: 2.192 min Scan# 61
Delta R.T. -0.067 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Tgt Ion: 62 Resp: 4112
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



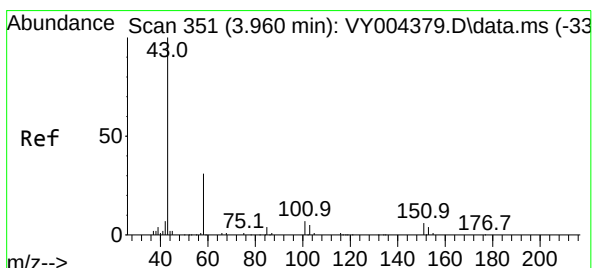
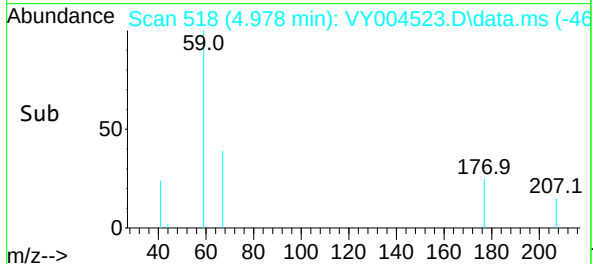
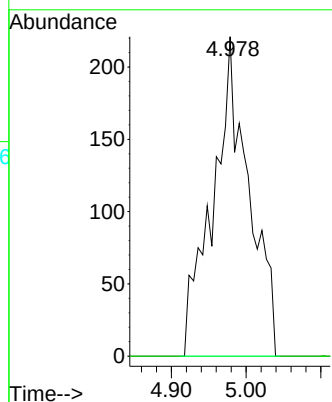
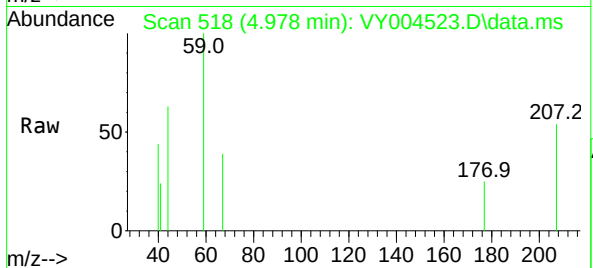


#11

Tert butyl alcohol
Concen: 4.91 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Instrument :
MSVOA_Y
ClientSampled :

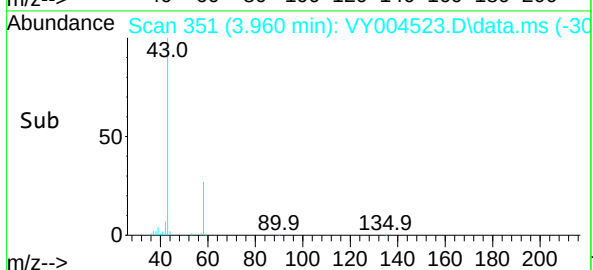
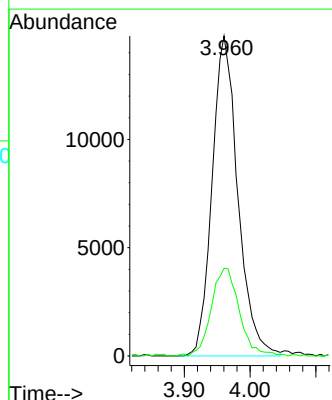
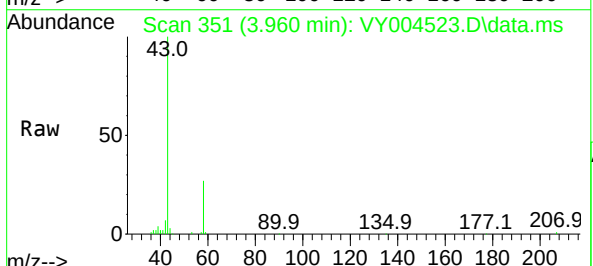
Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

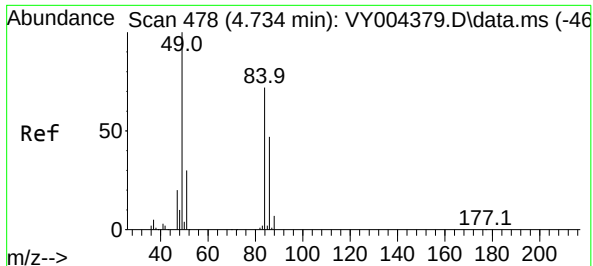


#16

Acetone
Concen: 113.15 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Tgt Ion: 43 Resp: 40228
Ion Ratio Lower Upper
43 100
58 27.0 24.6 37.0





#20

Methylene Chloride

Concen: 6.92 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.012 min

Lab File: VY004523.D

Acq: 20 Apr 2021 13:02

Tgt Ion: 84 Resp: 10240

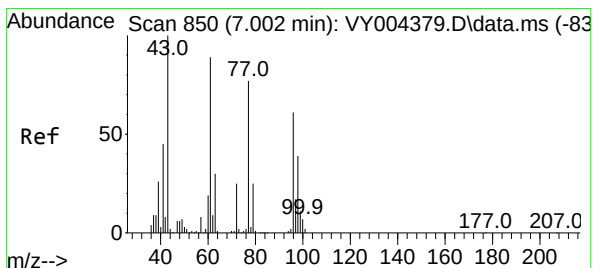
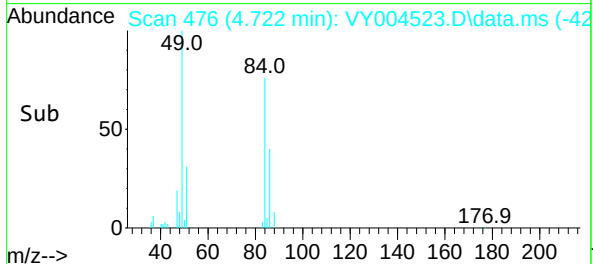
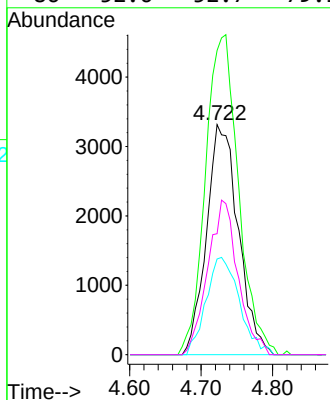
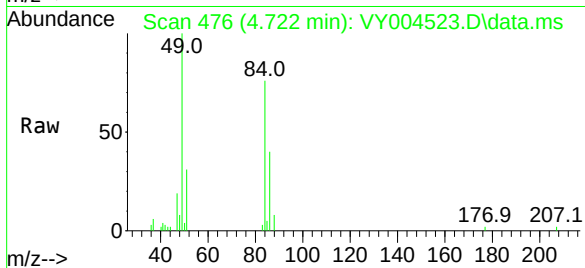
Ion Ratio Lower Upper

84 100

49 132.2 111.2 166.8

51 41.6 33.4 50.2

86 52.6 52.7 79.1#



#25

2-Butanone

Concen: 10.34 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY004523.D

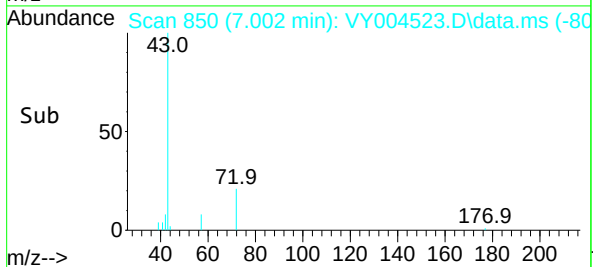
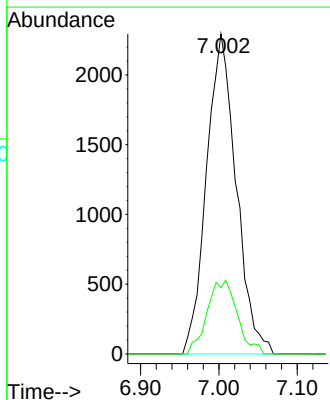
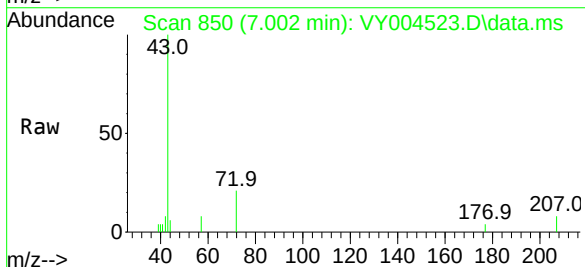
Acq: 20 Apr 2021 13:02

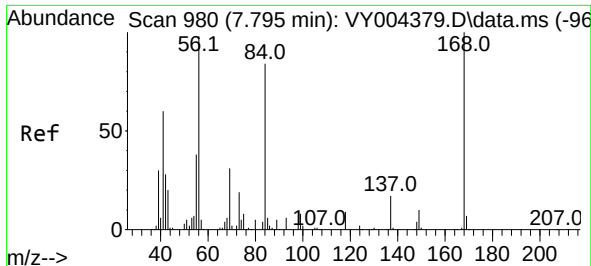
Tgt Ion: 43 Resp: 6037

Ion Ratio Lower Upper

43 100

72 20.7 20.2 30.2

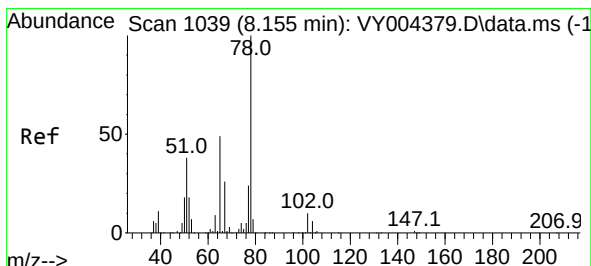
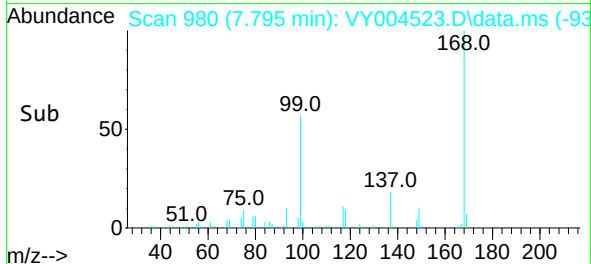
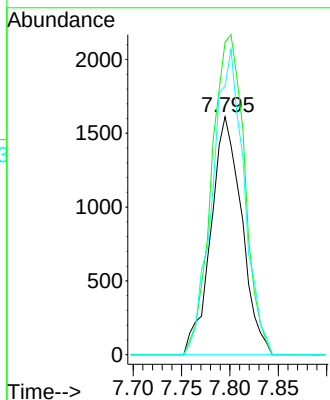
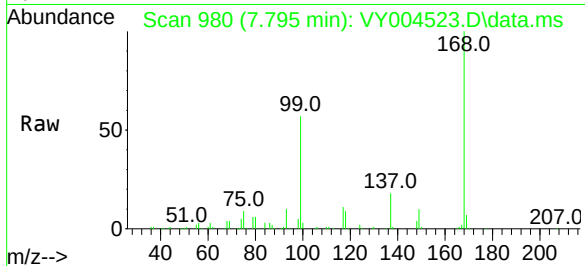




#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

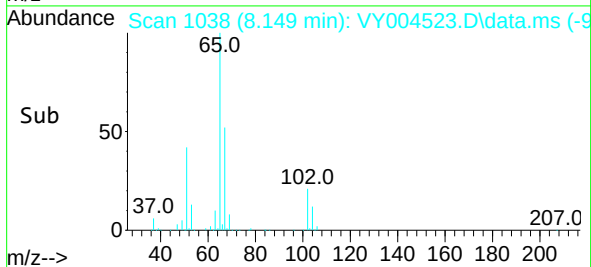
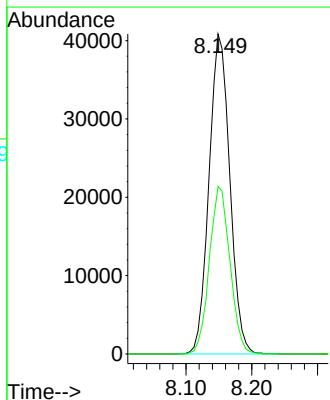
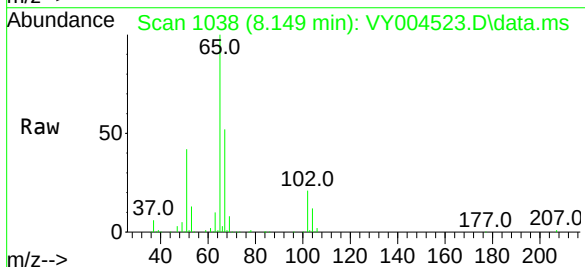
Instrument :
MSVOA_Y
ClientSampleId :

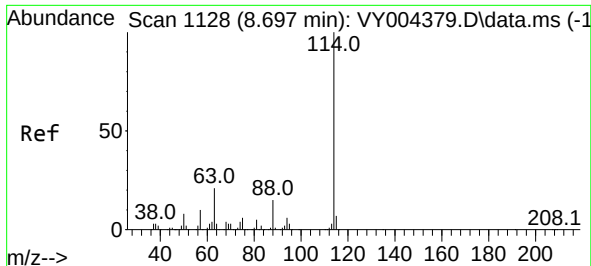
Tgt Ion: 56 Resp: 3568
Ion Ratio Lower Upper
56 100
69 131.3 25.8 38.6#
84 113.0 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 58.60 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Tgt Ion: 65 Resp: 89806
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.4

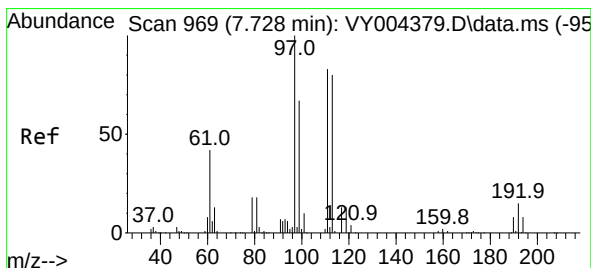
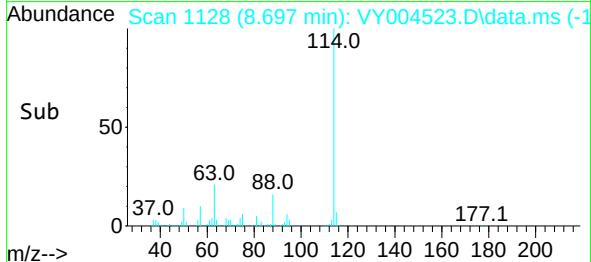
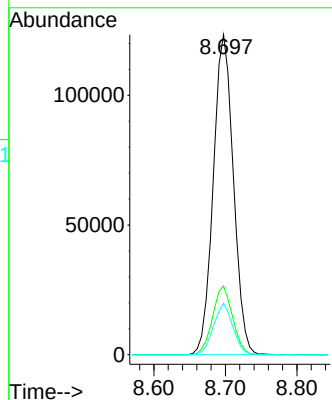
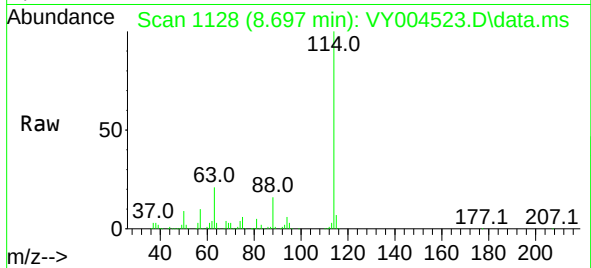




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

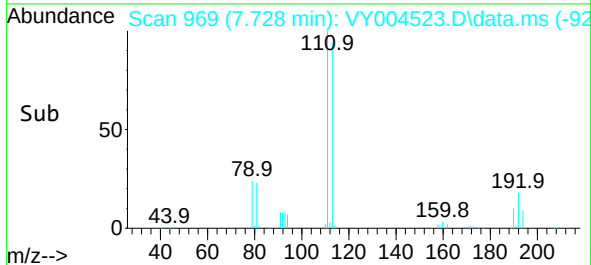
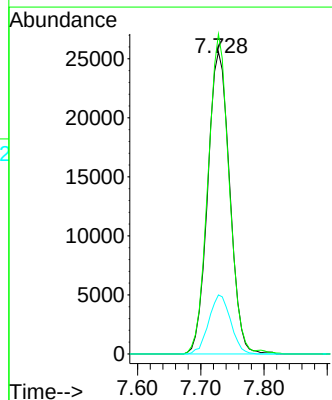
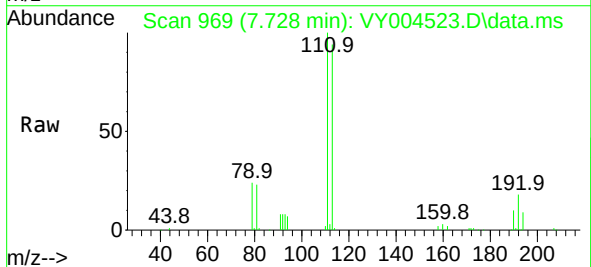
Instrument :
MSVOA_Y
ClientSampled :

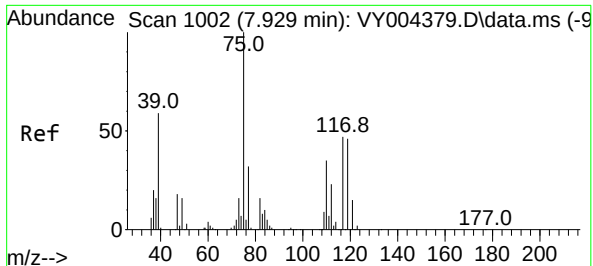
Tgt Ion:114 Resp: 241137
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.4
88 16.1 0.0 30.8



#35
Dibromofluoromethane
Concen: 46.14 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Tgt Ion:113 Resp: 61751
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.4 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.74 ug/l

RT: 7.795 min Scan# 980

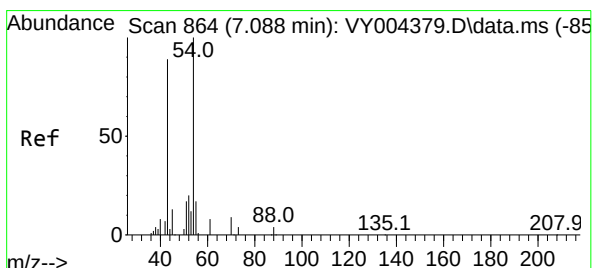
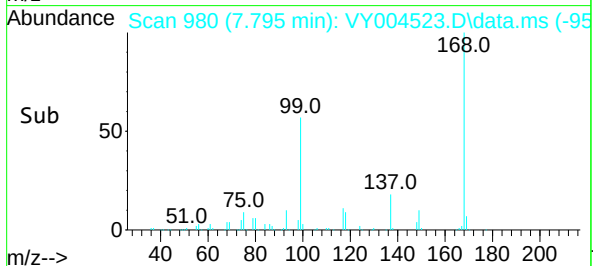
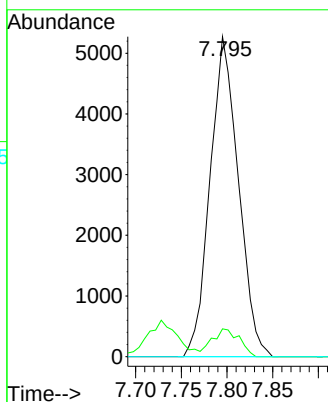
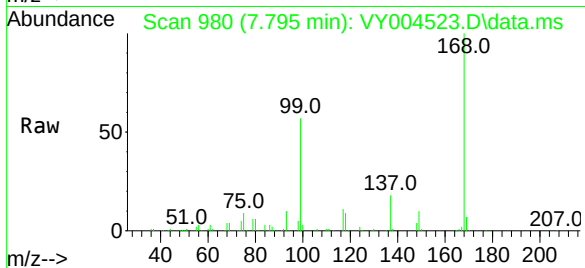
Delta R.T. -0.134 min

Lab File: VY004523.D

Acq: 20 Apr 2021 13:02

Tgt Ion:	75	Resp:	11357
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.3	51.7#
77	0.0	24.3	36.5#

Instrument :
MSVOA_Y
ClientSampleId :



#37

Ethyl Acetate

Concen: 3.91 ug/l

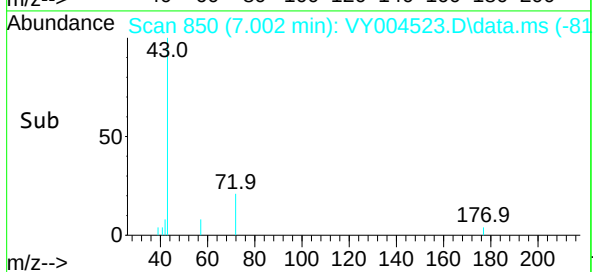
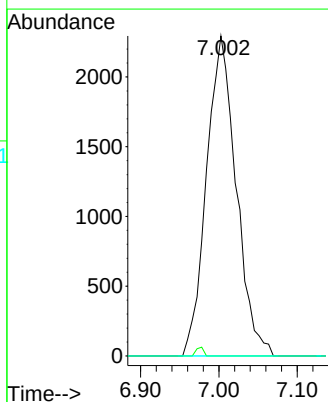
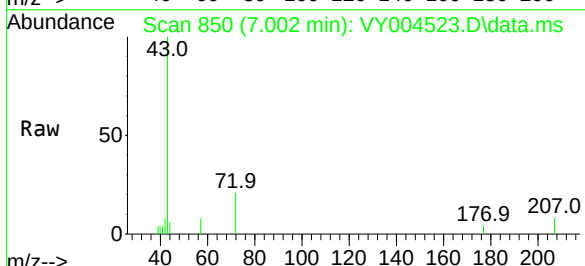
RT: 7.002 min Scan# 850

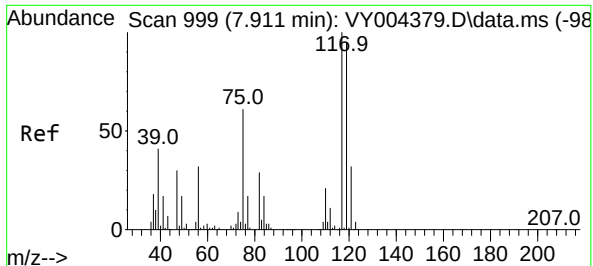
Delta R.T. -0.085 min

Lab File: VY004523.D

Acq: 20 Apr 2021 13:02

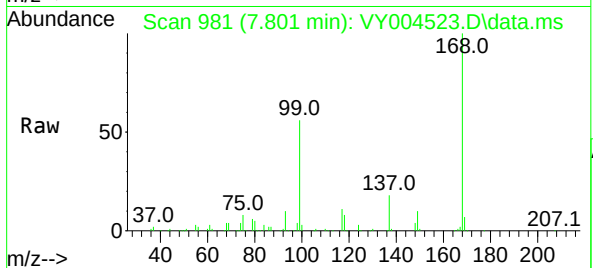
Tgt Ion:	43	Resp:	6037
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.5	11.3#



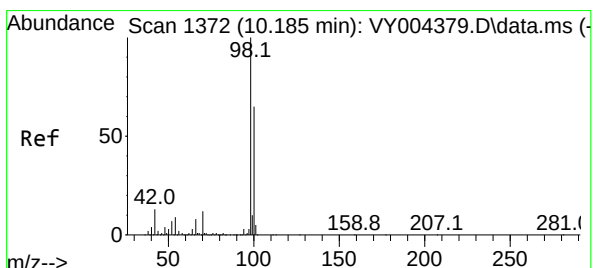
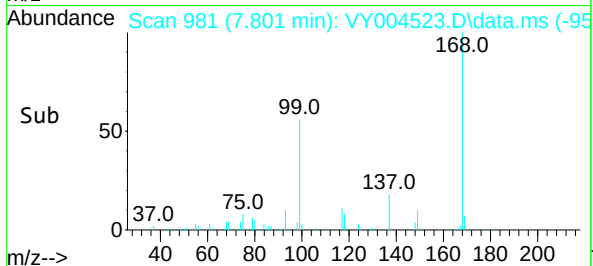
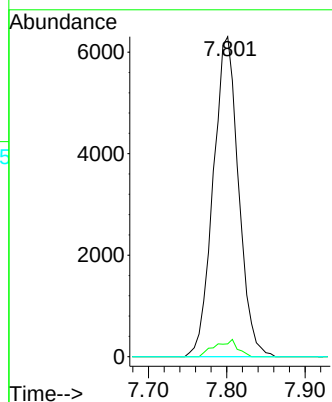


#38
Carbon Tetrachloride
Concen: 6.83 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Instrument :
MSVOA_Y
ClientSampleId :

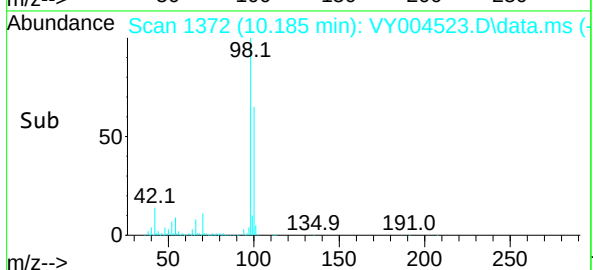
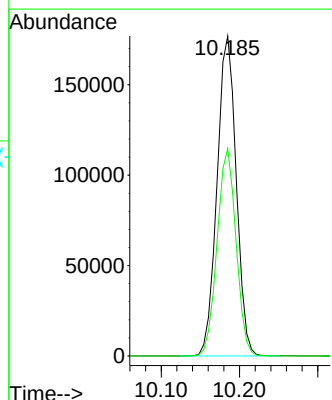
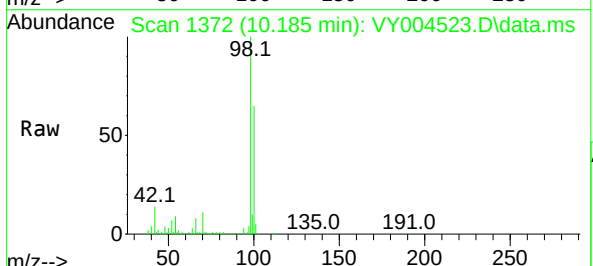


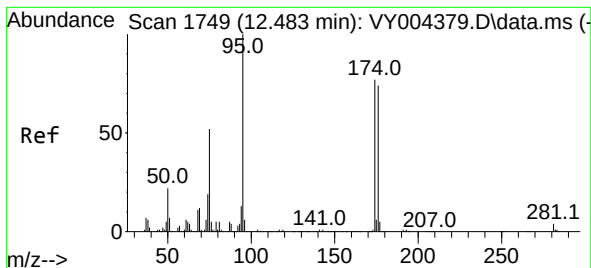
Tgt Ion:117 Resp: 14157
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 52.88 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Tgt Ion: 98 Resp: 300985
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6

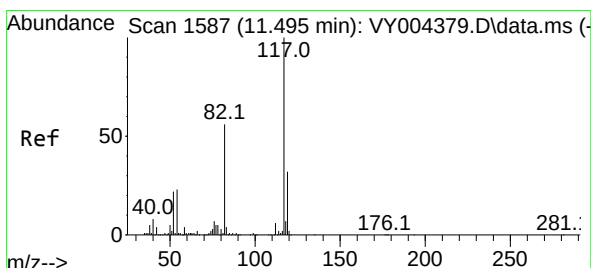
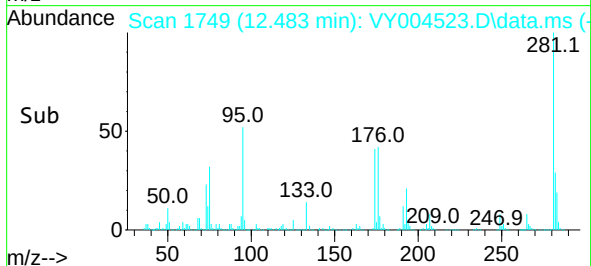
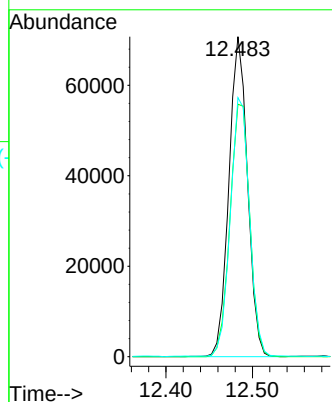
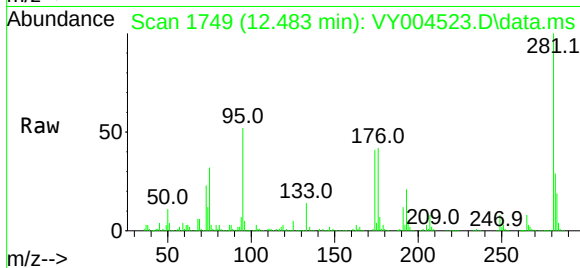




#62
4-Bromofluorobenzene
Concen: 54.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

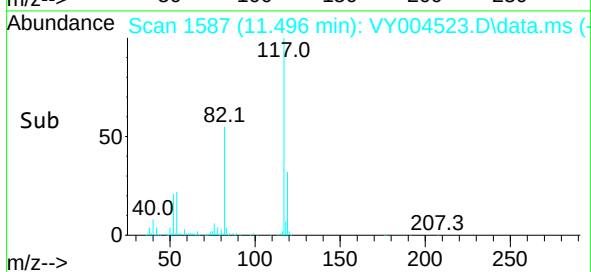
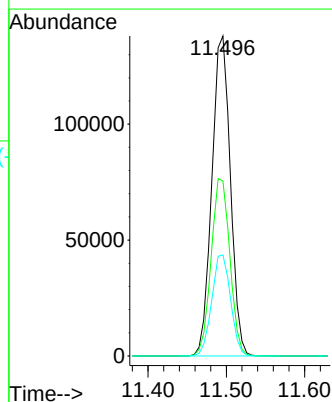
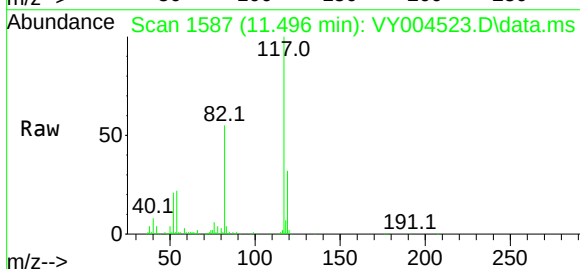
Instrument :
MSVOA_Y
ClientSampleId :

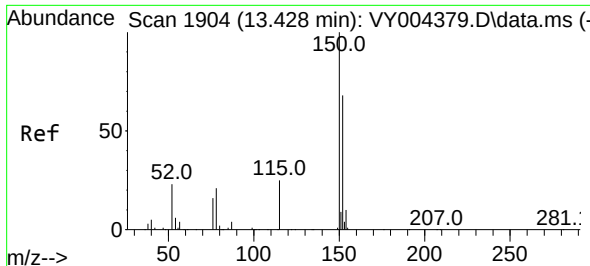
Tgt Ion: 95 Resp: 105541
Ion Ratio Lower Upper
95 100
174 83.5 0.0 162.4
176 84.0 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Tgt Ion: 117 Resp: 226589
Ion Ratio Lower Upper
117 100
82 54.7 44.9 67.3
119 31.6 25.4 38.0

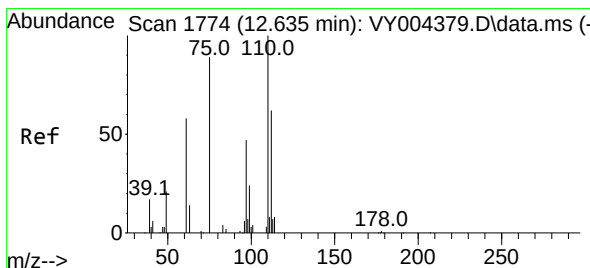
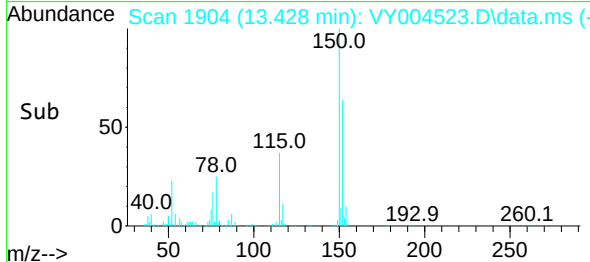
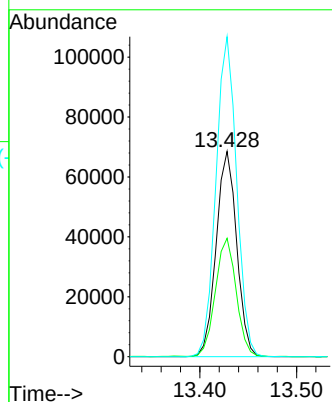
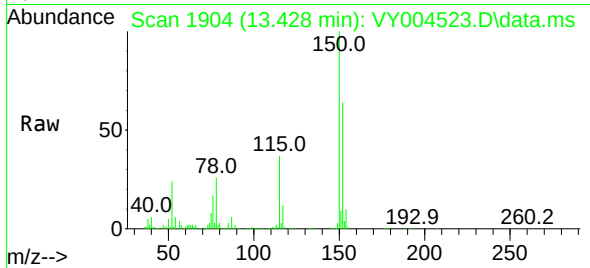




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

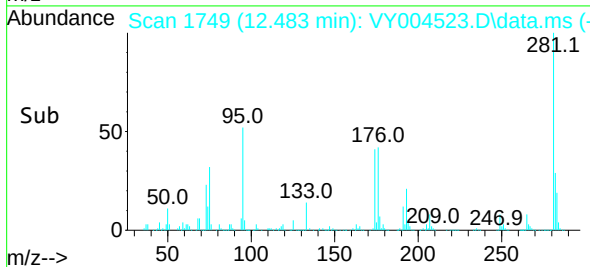
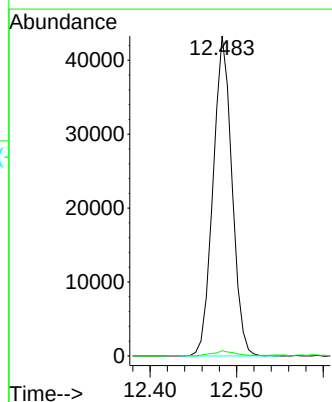
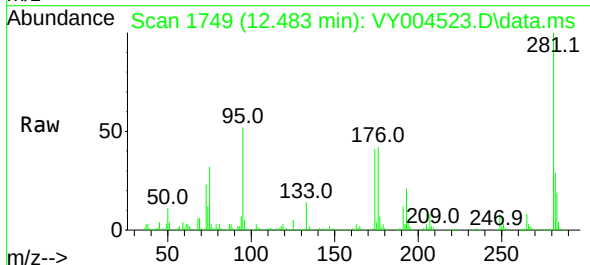
Instrument :
MSVOA_Y
ClientSampleId :

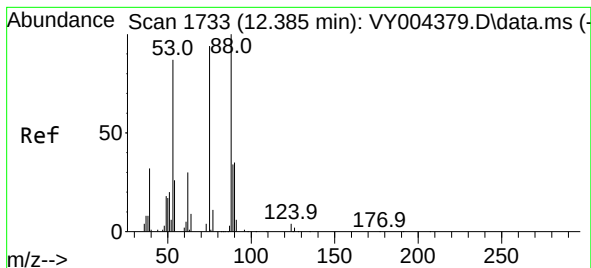
Tgt Ion:152 Resp: 100898
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 157.2 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 60.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

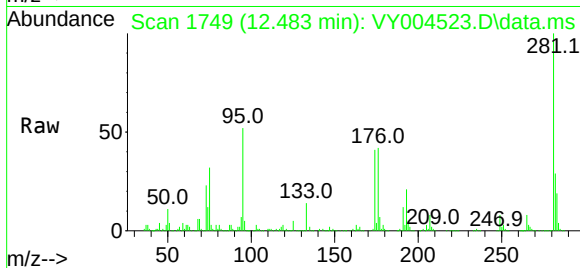
Tgt Ion: 75 Resp: 65664
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



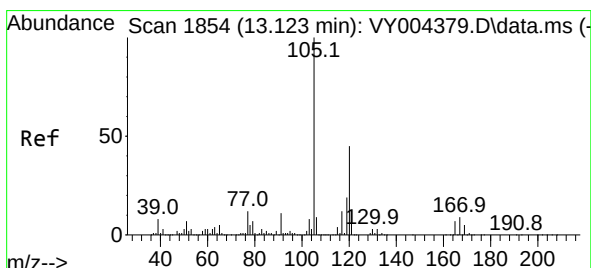
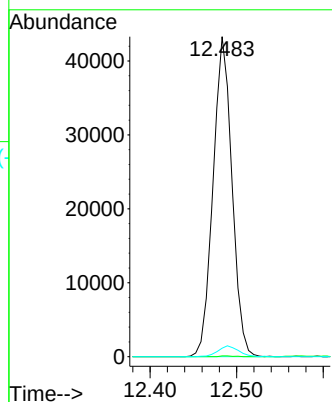
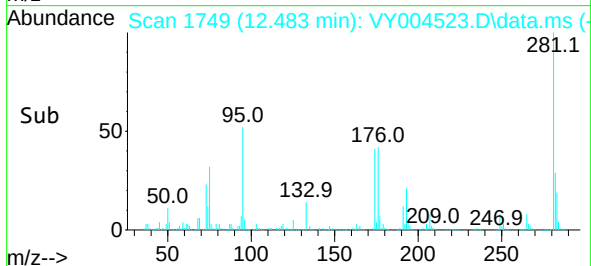


#81
trans-1,4-Dichloro-2-butene
Concen: 108.47 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

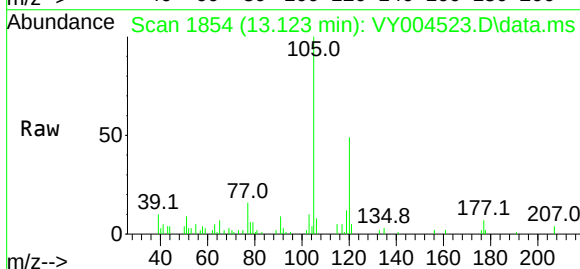
Instrument :
MSVOA_Y
ClientSampled :



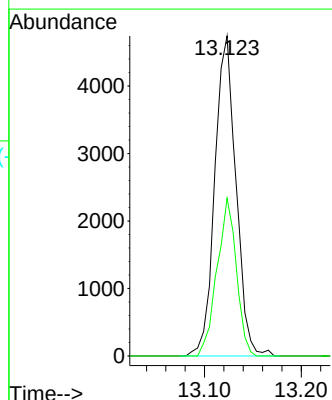
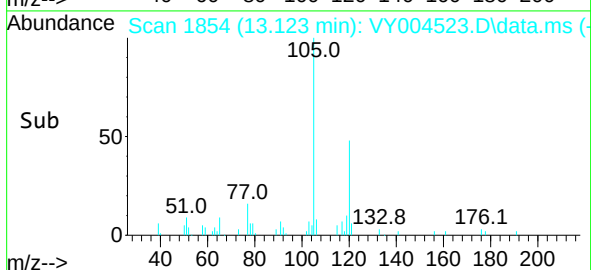
Tgt Ion: 75 Resp: 65664
Ion Ratio Lower Upper
75 100
53 0.2 75.0 112.6#
89 3.7 36.1 54.1#

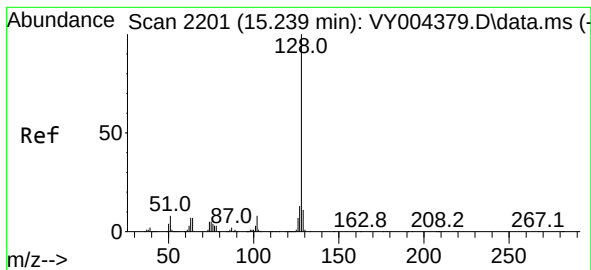


#84
1,2,4-Trimethylbenzene
Concen: 1.13 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02



Tgt Ion: 105 Resp: 7212
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3





#95
Naphthalene
Concen: 6.13 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004523.D
Acq: 20 Apr 2021 13:02

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 25533
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.5 8.8 13.2

