

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004909.D
 Acq On : 27 May 2021 19:07
 Operator : SY/MD
 Sample : M2546-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMPOSITE-SAMPLE-LOAMY-TOP

Quant Time: May 28 01:06:59 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)

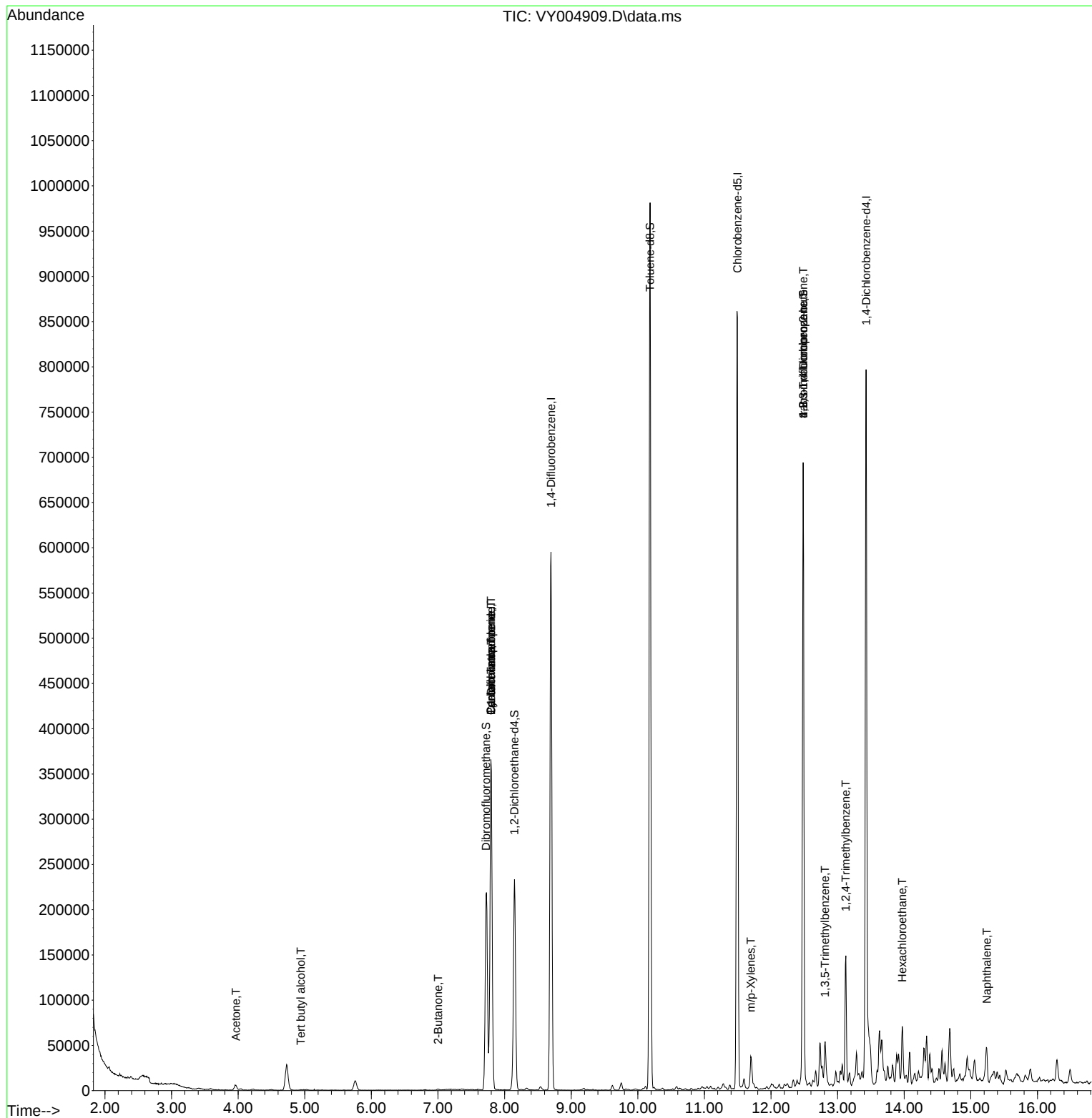
Internal Standards						
1) Pentafluorobenzene	7.795	168	277399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	505812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	464604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198628	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	178483	54.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.10%			
35) Dibromofluoromethane	7.722	113	157597	56.91	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.82%			
50) Toluene-d8	10.185	98	624933	49.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.92%			
62) 4-Bromofluorobenzene	12.483	95	205710	48.72	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.44%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	456	1.37	ug/l #	71
16) Acetone	3.966	43	10125	13.65	ug/l	96
20) Methylene Chloride	4.729	84	20582	Below Cal		93
25) 2-Butanone	7.002	43	2228	1.69	ug/l #	78
31) Cyclohexane	7.795	56	5903	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	21998	4.24	ug/l #	50
38) Carbon Tetrachloride	7.795	117	28012	6.01	ug/l #	16
68) m/p-Xylenes	11.697	106	9876	1.48	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	108317	51.34	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	17408	1.40	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	108317	89.02	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	74835	6.01	ug/l	100
90) Hexachloroethane	13.971	117	2761	1.46	ug/l #	14
95) Naphthalene	15.239	128	27822	3.41	ug/l	96

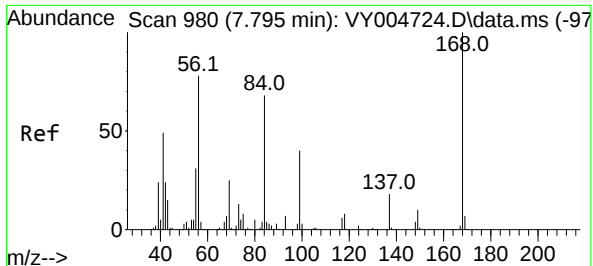
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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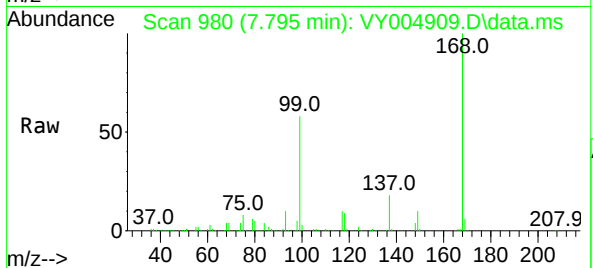
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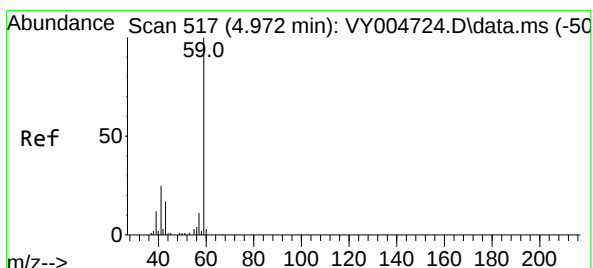
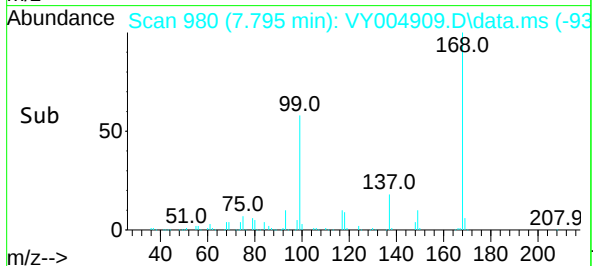
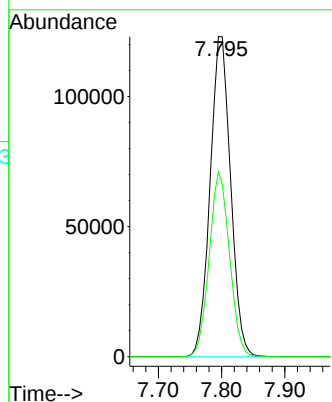


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

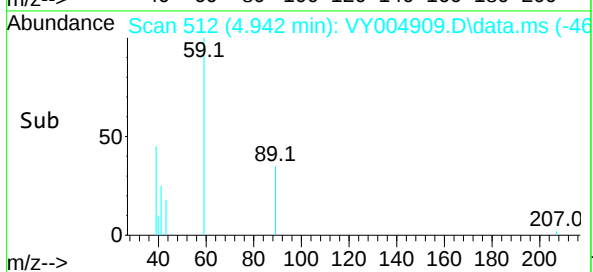
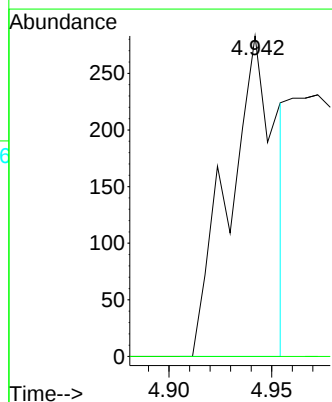
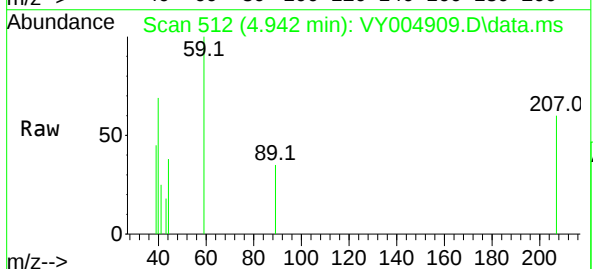


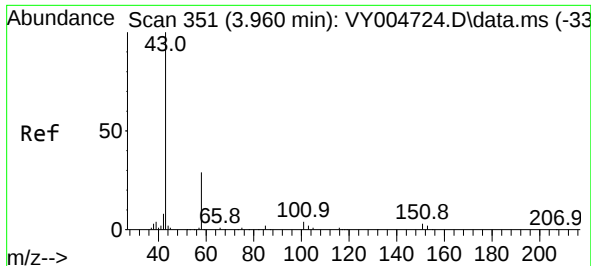
Tgt Ion:168 Resp: 277399
Ion Ratio Lower Upper
168 100
99 57.7 45.6 68.4



#11
Tert butyl alcohol
Concen: 1.37 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.031 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

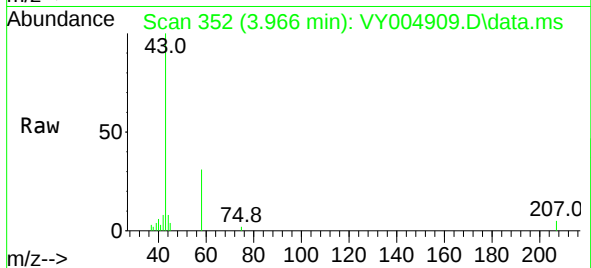
Tgt Ion: 59 Resp: 456
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



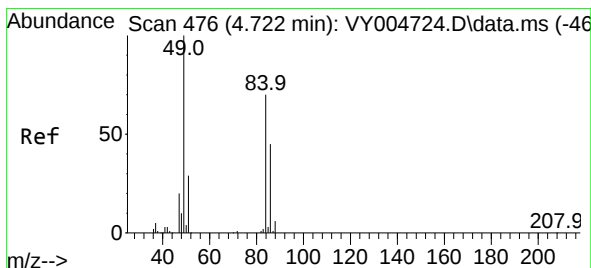
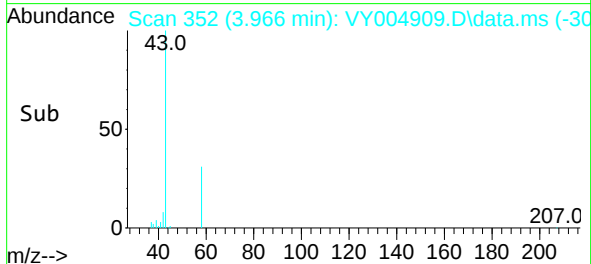
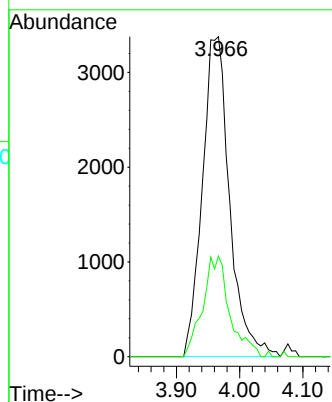


#16
Acetone
Concen: 13.65 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

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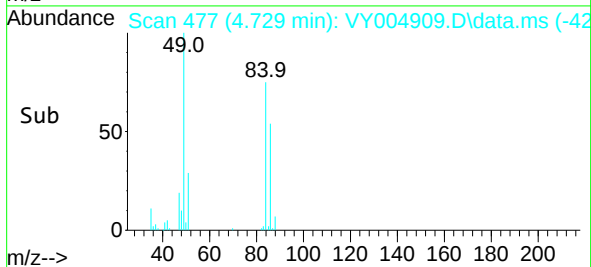
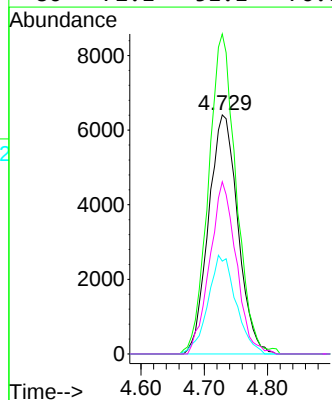
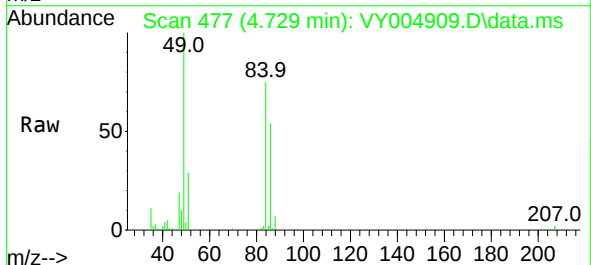


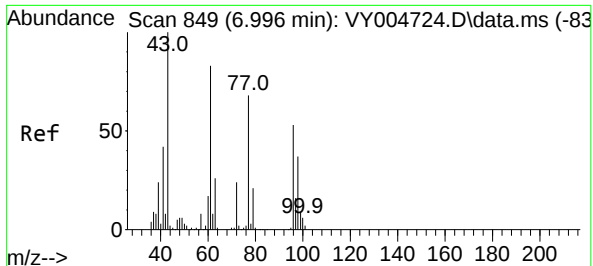
Tgt Ion: 43 Resp: 10125
Ion Ratio Lower Upper
43 100
58 31.4 23.6 35.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion: 84 Resp: 20582
Ion Ratio Lower Upper
84 100
49 133.9 113.8 170.8
51 38.8 33.5 50.3
86 72.1 51.1 76.7





#25

2-Butanone

Concen: 1.69 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY004909.D

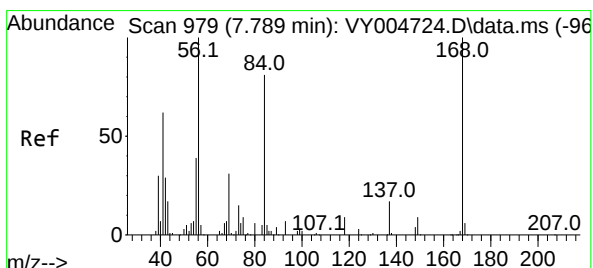
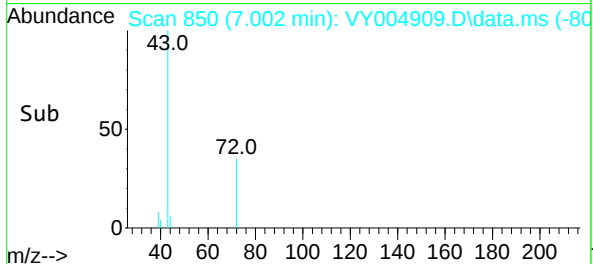
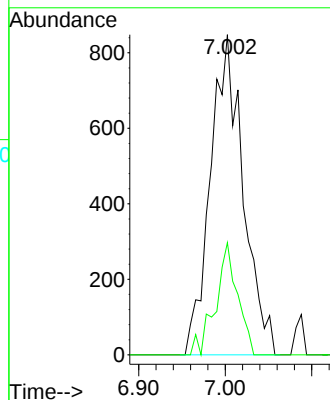
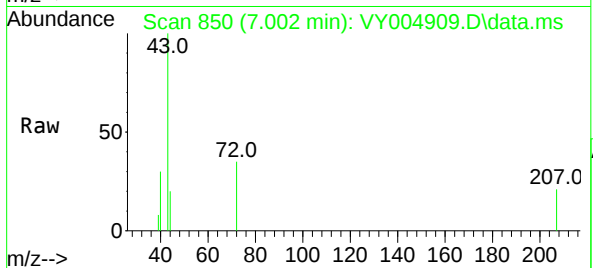
Acq: 27 May 2021 19:07

Tgt Ion: 43 Resp: 2228

Ion Ratio Lower Upper

43 100

72 35.0 19.4 29.0#



#31

Cyclohexane

Concen: 1.10 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY004909.D

Acq: 27 May 2021 19:07

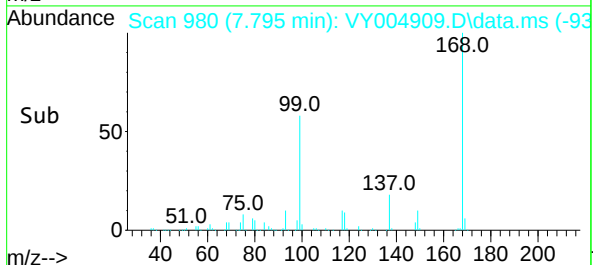
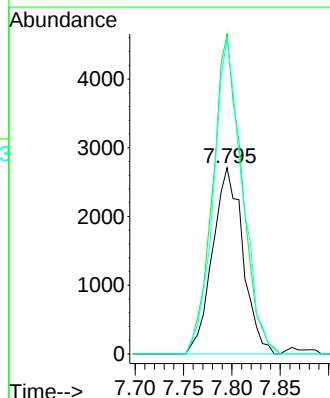
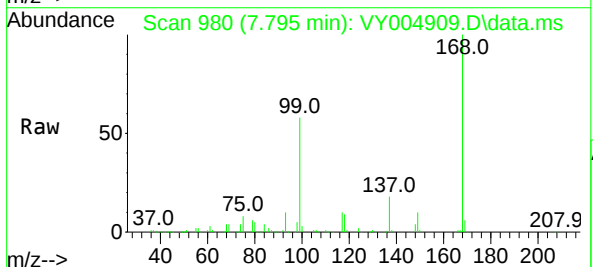
Tgt Ion: 56 Resp: 5903

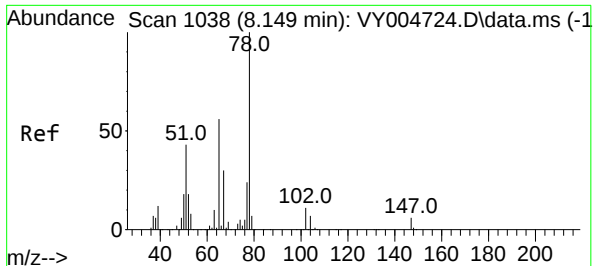
Ion Ratio Lower Upper

56 100

69 171.8 24.4 36.6#

84 168.9 64.8 97.2#

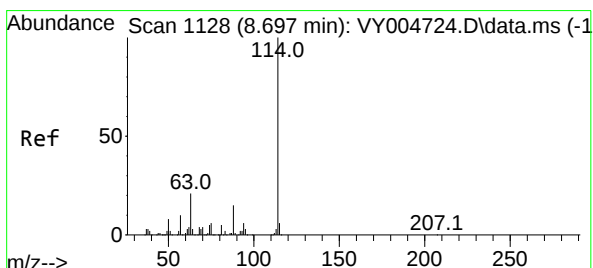
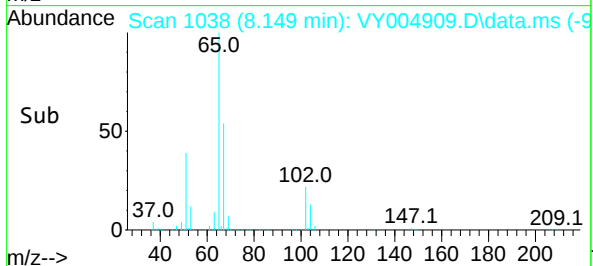
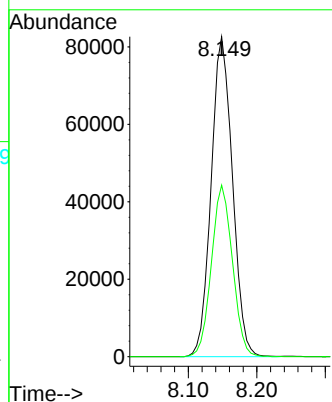
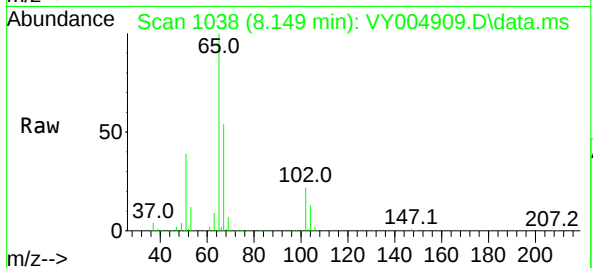




#33
1,2-Dichloroethane-d4
Concen: 54.05 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

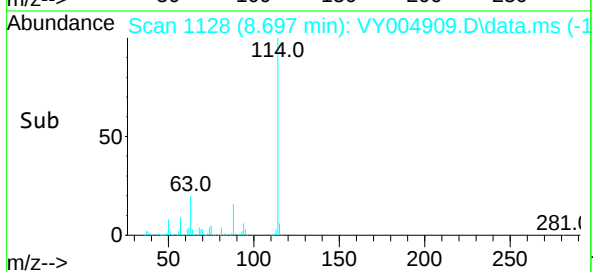
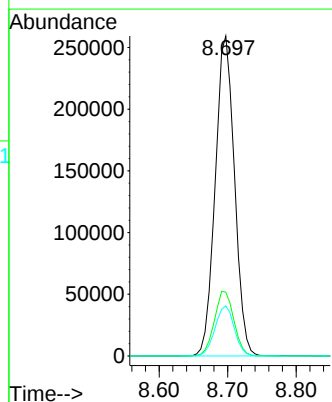
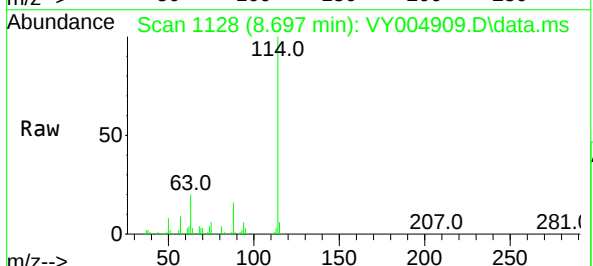
Instrument :
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COMPOSITE-SAMPLE-LOAMY-TOP

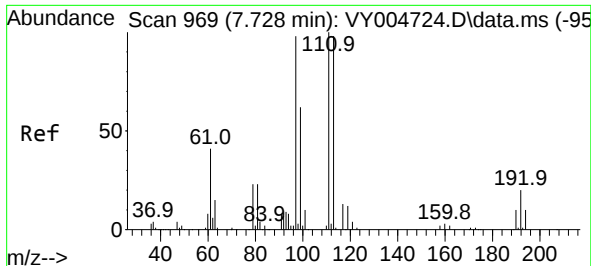
Tgt Ion: 65 Resp: 178483
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion: 114 Resp: 505812
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.8
88 15.7 0.0 31.0

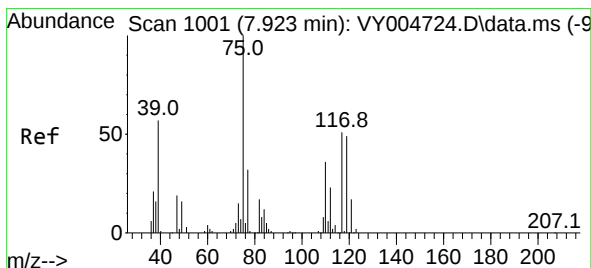
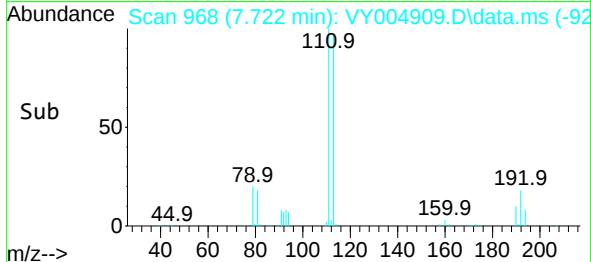
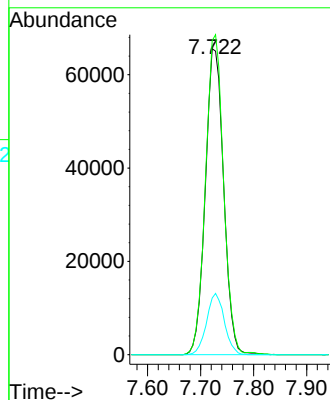
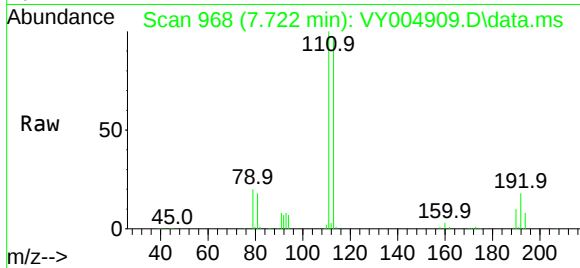




#35
Dibromofluoromethane
Concen: 56.91 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

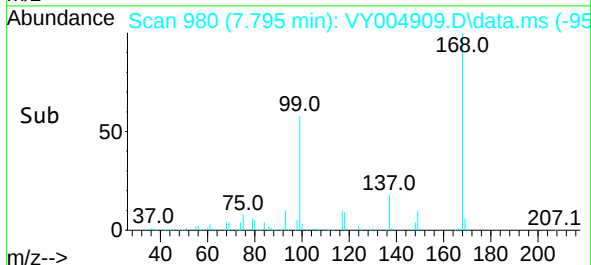
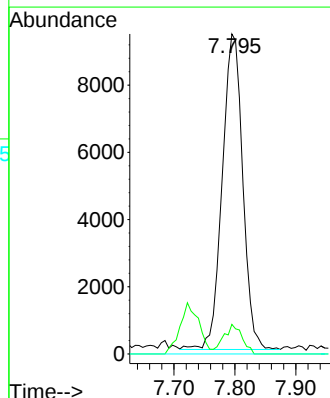
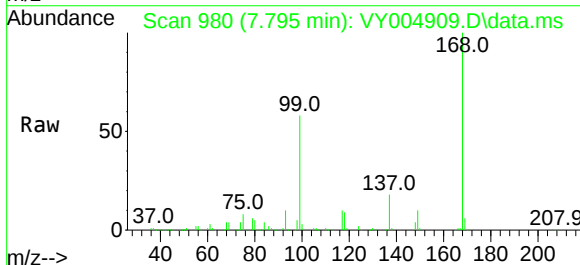
Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

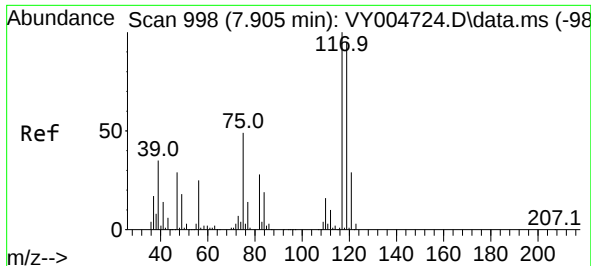
Tgt Ion:	113	Resp:	157597
Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.5	120.7
192	19.4	15.0	22.6



#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

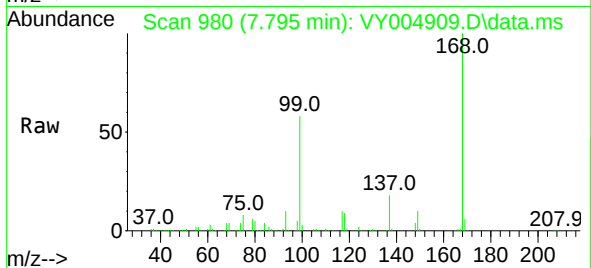
Tgt Ion:	75	Resp:	21998
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	50.9#
77	0.0	25.0	37.4#



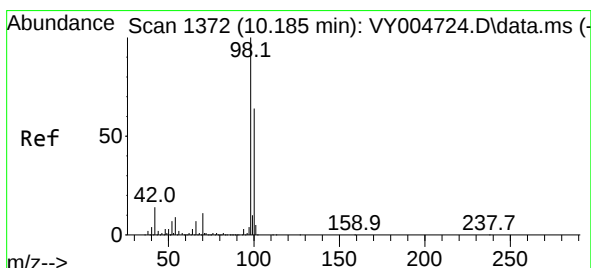
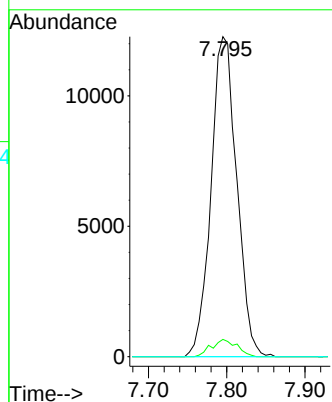
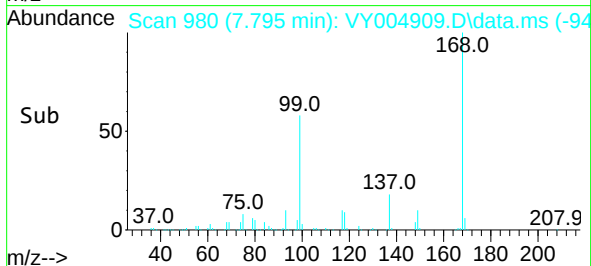


#38
Carbon Tetrachloride
Concen: 6.01 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

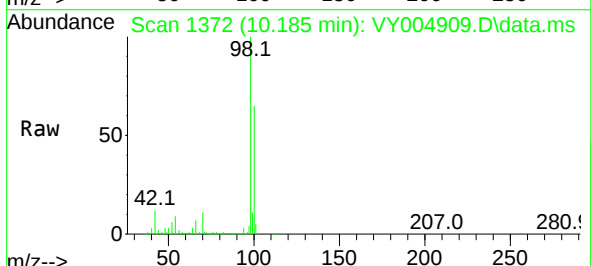
Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP



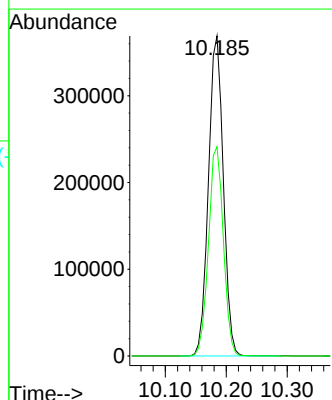
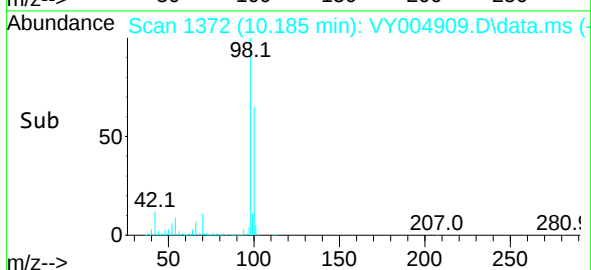
Tgt Ion:117 Resp: 28012
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 23.0 34.6#

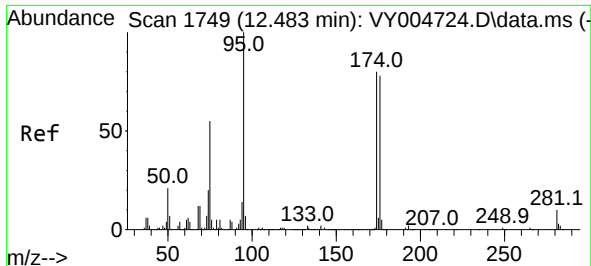


#50
Toluene-d8
Concen: 49.96 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07



Tgt Ion: 98 Resp: 624933
Ion Ratio Lower Upper
98 100
100 65.4 51.5 77.3

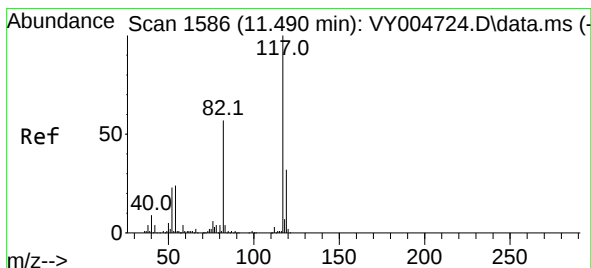
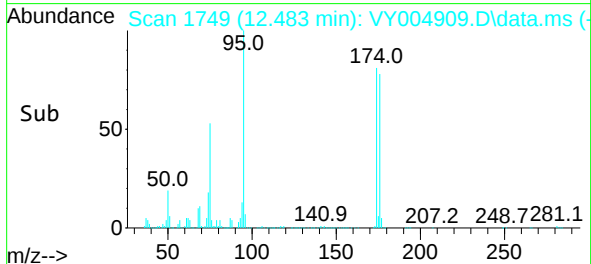
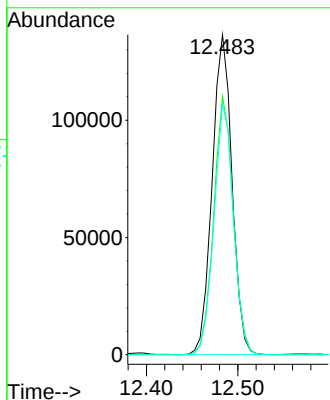
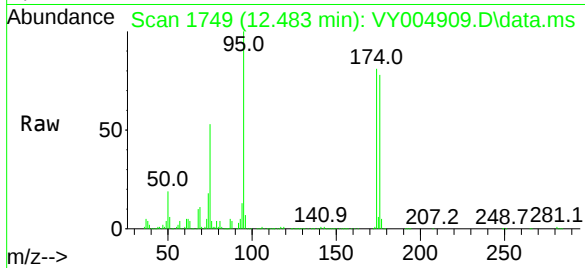




#62
4-Bromofluorobenzene
Concen: 48.72 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

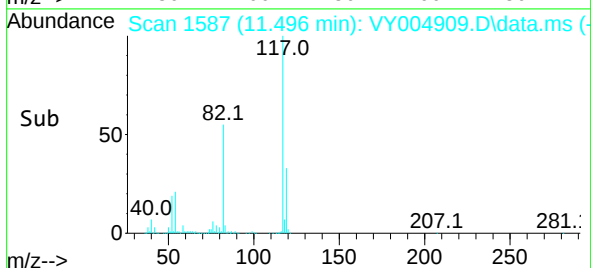
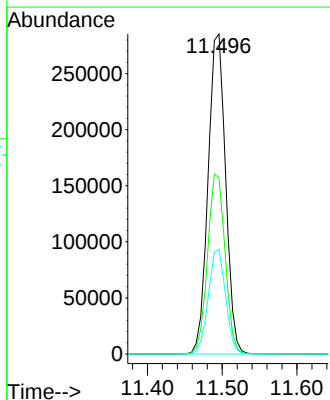
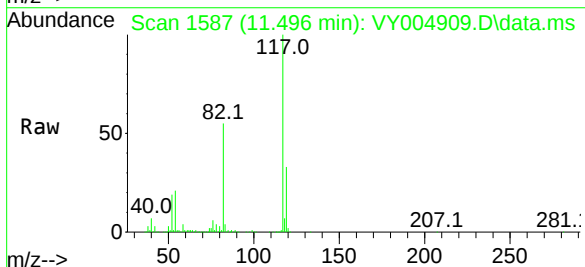
Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

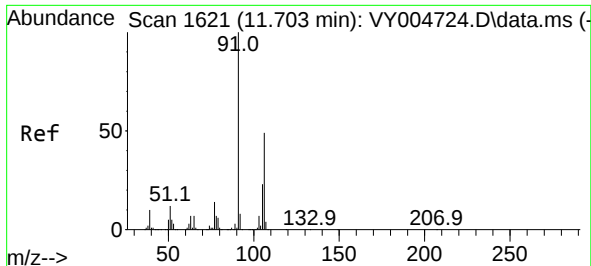
Tgt Ion: 95 Resp: 205710
Ion Ratio Lower Upper
95 100
174 80.0 0.0 164.2
176 76.7 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion: 117 Resp: 464604
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.2
119 32.7 25.8 38.6

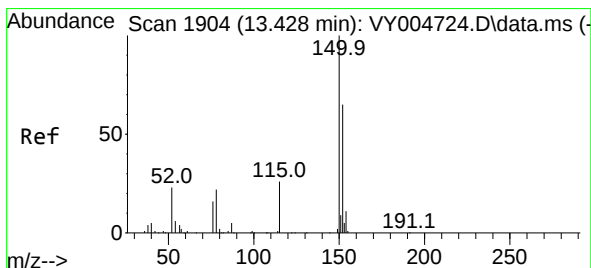
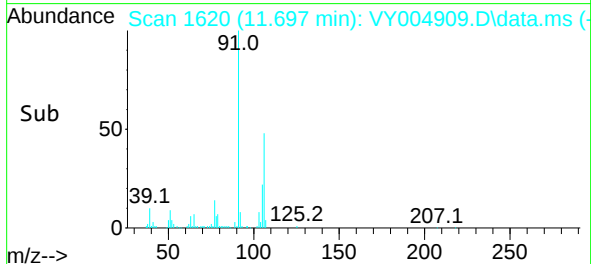
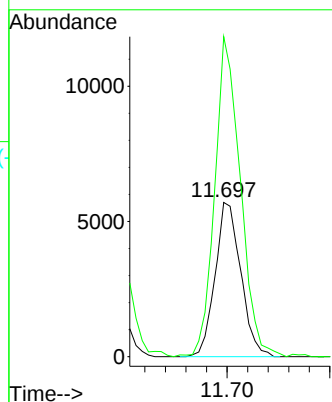
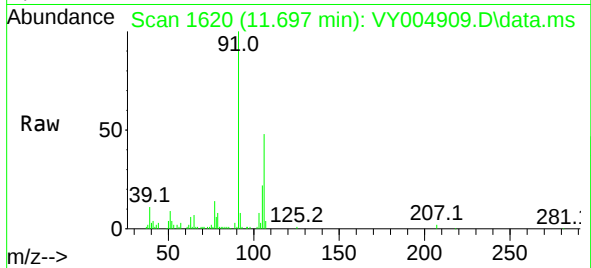




#68
m/p-Xylenes
Concen: 1.48 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

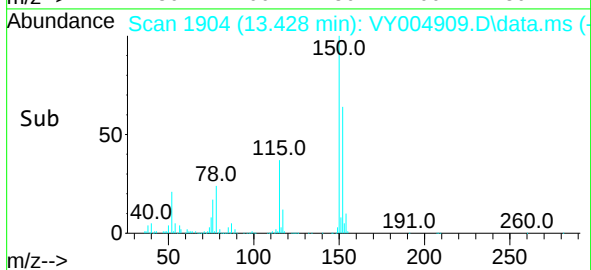
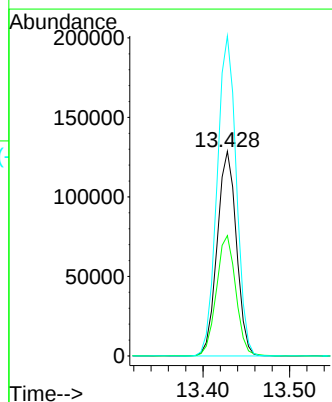
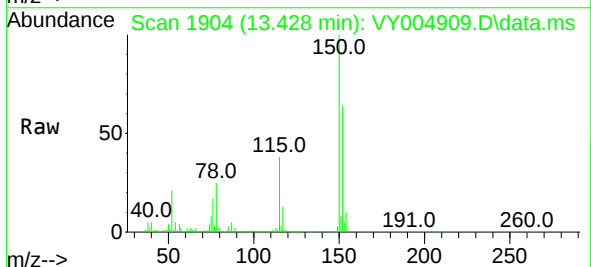
Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

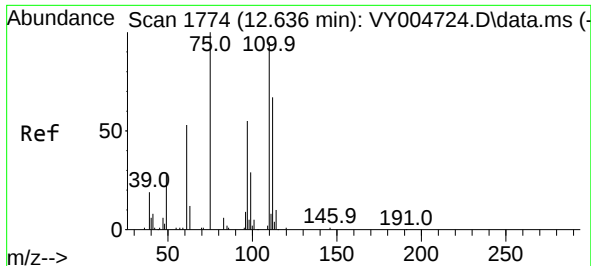
Tgt Ion:106 Resp: 9876
Ion Ratio Lower Upper
106 100
91 206.8 163.6 245.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion:152 Resp: 198628
Ion Ratio Lower Upper
152 100
115 59.5 29.4 88.3
150 156.1 0.0 349.8

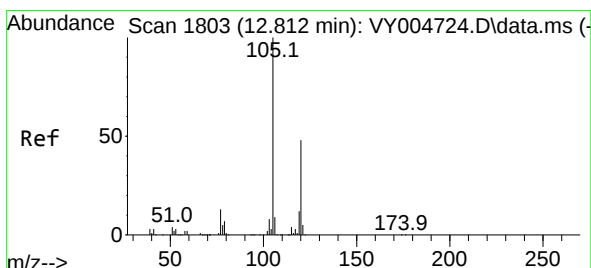
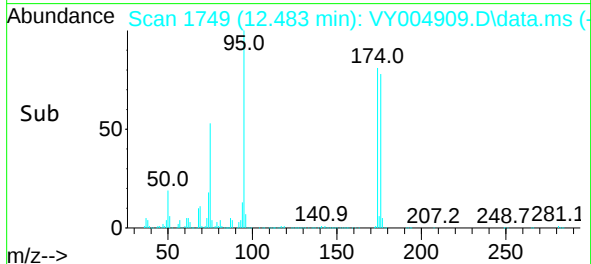
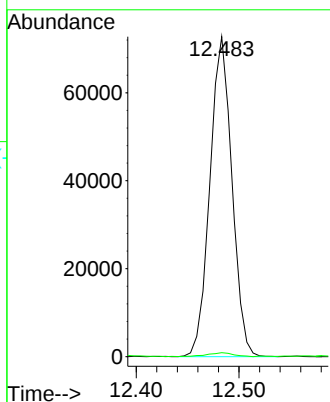
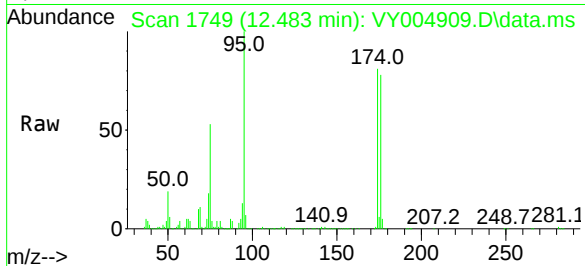




#76
1,2,3-Trichloropropane
Concen: 51.34 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

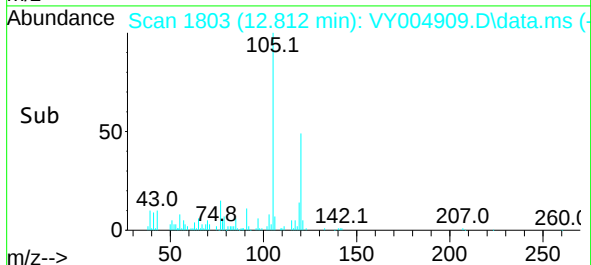
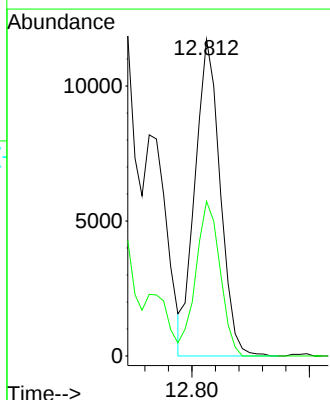
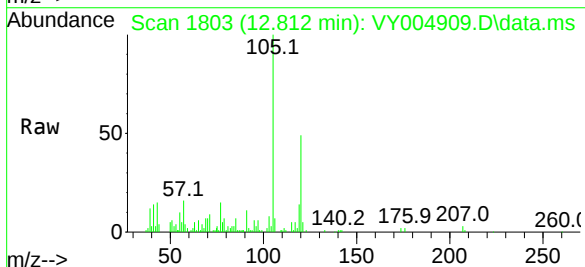
Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

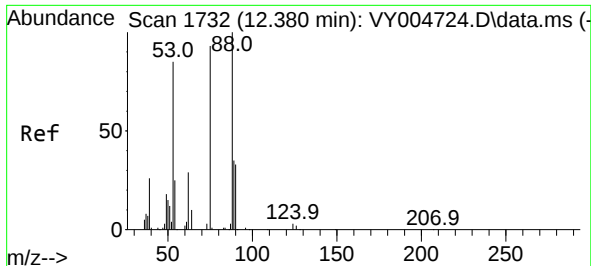
Tgt Ion: 75 Resp: 108317
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.40 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion: 105 Resp: 17408
Ion Ratio Lower Upper
105 100
120 47.2 24.0 72.0

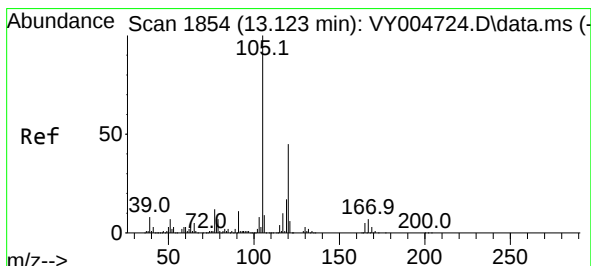
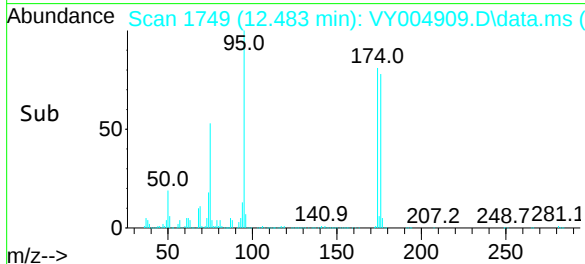
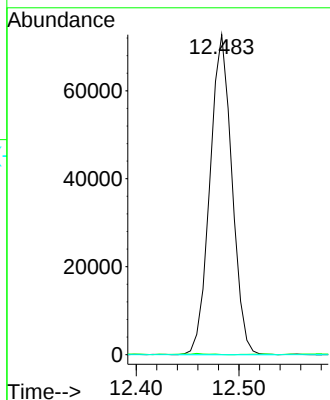
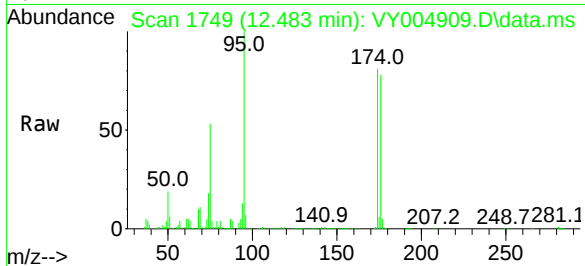




#81
trans-1,4-Dichloro-2-butene
Concen: 89.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

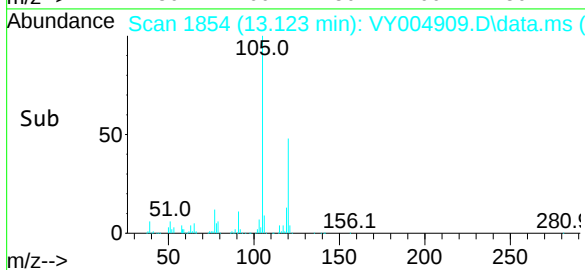
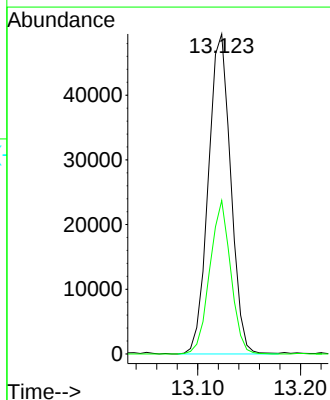
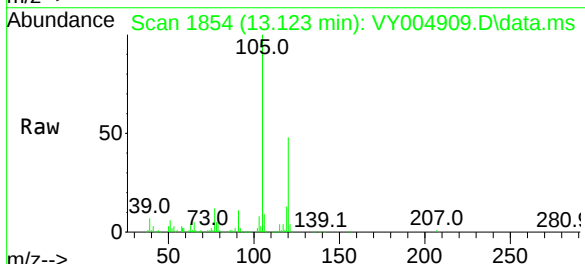
Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

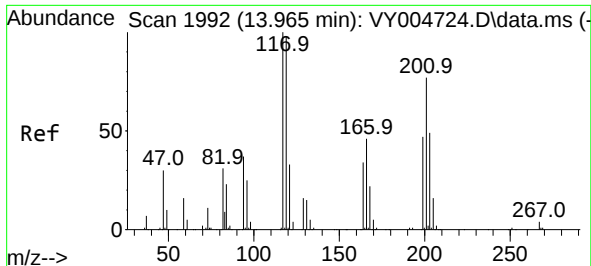
Tgt Ion: 75 Resp: 108317
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 35.5 53.3#



#84
1,2,4-Trimethylbenzene
Concen: 6.01 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion: 105 Resp: 74835
Ion Ratio Lower Upper
105 100
120 44.8 22.5 67.5

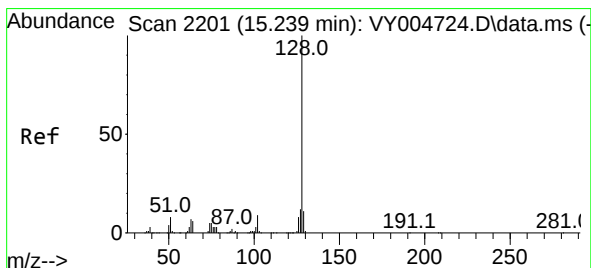
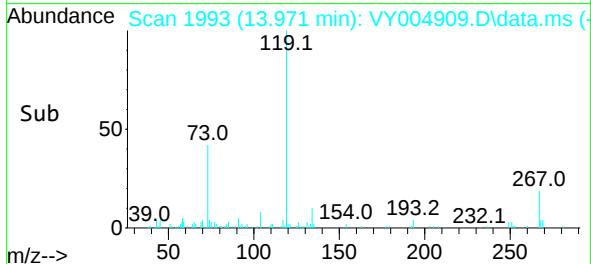
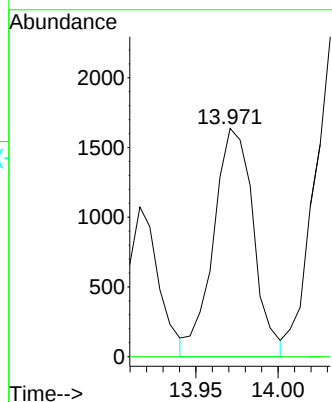
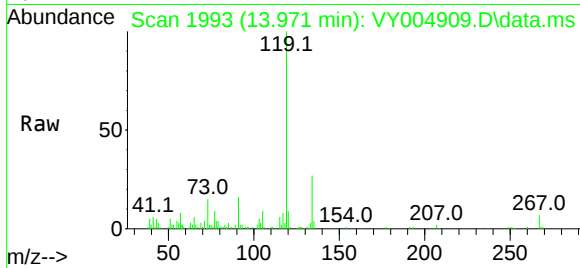




#90
Hexachloroethane
Concen: 1.46 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Instrument :
MSVOA_Y
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

Tgt Ion:117 Resp: 2761
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#95
Naphthalene
Concen: 3.41 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004909.D
Acq: 27 May 2021 19:07

Tgt Ion:128 Resp: 27822
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 12.8 8.6 13.0

