

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007085.D
 Acq On : 08 Jan 2022 17:53
 Operator : SY/MD
 Sample : N1070-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-010622

Quant Time: Jan 10 03:41:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

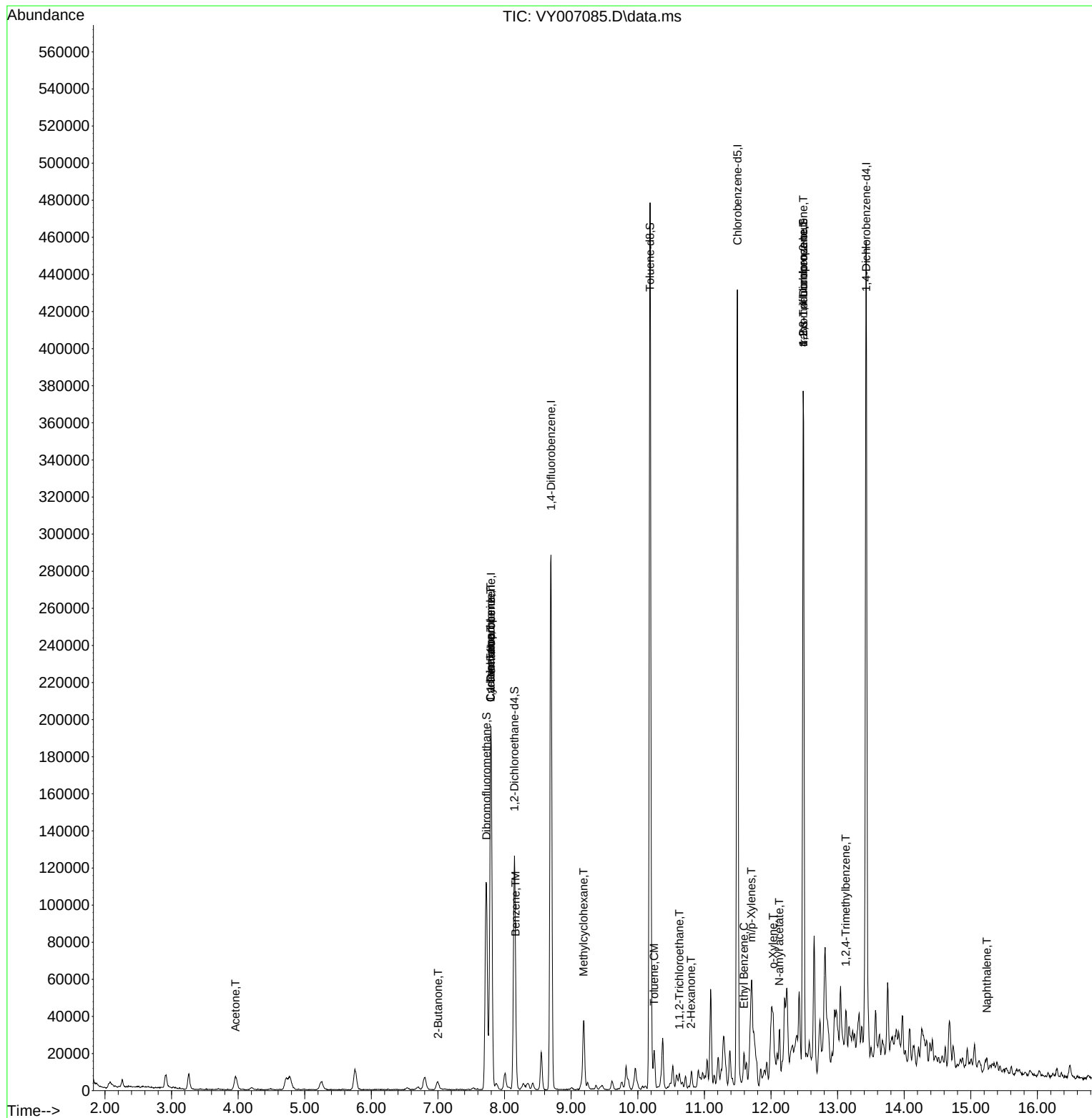
Internal Standards						
1) Pentafluorobenzene	7.795	168	135445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	244404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	229095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97690	60.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.580%	
35) Dibromofluoromethane	7.728	113	81334	49.932	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.860%	
50) Toluene-d8	10.185	98	299933	49.850	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.483	95	114537	52.783	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.560%	
Target Compounds						
					Qvalue	
13) Acrolein	3.729	56	31	Below Cal	#	1
16) Acetone	3.960	43	13487	44.363	ug/l #	88
20) Methylene Chloride	4.729	84	3626	Below Cal	#	80
25) 2-Butanone	7.003	43	3964	8.439	ug/l	94
31) Cyclohexane	7.789	56	10817	3.879	ug/l #	80
36) 1,1-Dichloropropene	7.789	75	11919	4.618	ug/l #	50
38) Carbon Tetrachloride	7.789	117	14548	5.394	ug/l #	15
39) Methylcyclohexane	9.185	83	16069	4.978	ug/l	94
40) Benzene	8.167	78	7839	1.128	ug/l	100
52) Toluene	10.246	92	8015	1.812	ug/l	99
55) 1,1,2-Trichloroethane	10.624	97	3336	2.394	ug/l #	20
59) 2-Hexanone	10.801	43	3809	4.863	ug/l #	28
67) Ethyl Benzene	11.593	91	10309	1.113	ug/l	98
68) m/p-Xylenes	11.703	106	9777	2.823	ug/l	100
69) o-Xylene	12.032	106	5745	1.771	ug/l	91
74) N-amyl acetate	12.124	43	7173	3.120	ug/l #	41
76) 1,2,3-Trichloropropane	12.483	75	60309	49.779	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60309	93.499	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.123	105	10699	1.465	ug/l	97
95) Naphthalene	15.239	128	5638	1.341	ug/l #	94

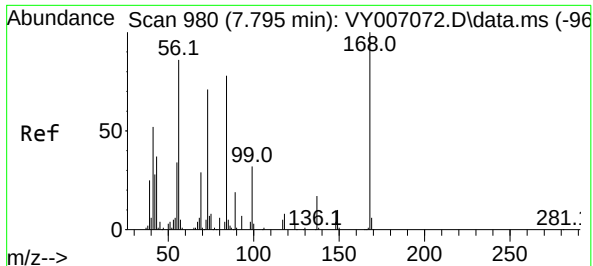
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 10 03:29:44 2022
Response via : Initial Calibration

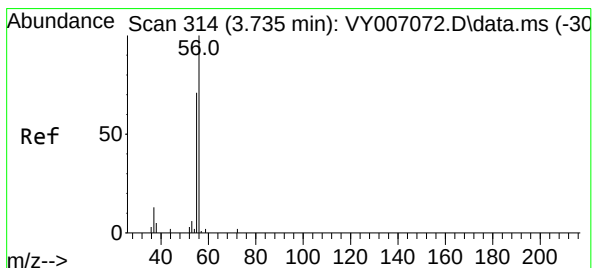
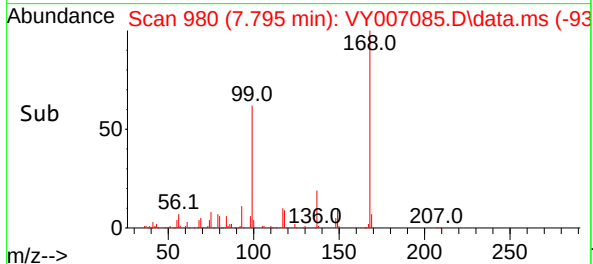
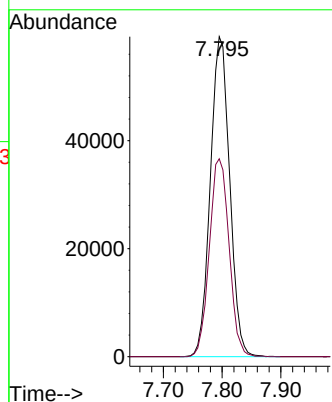
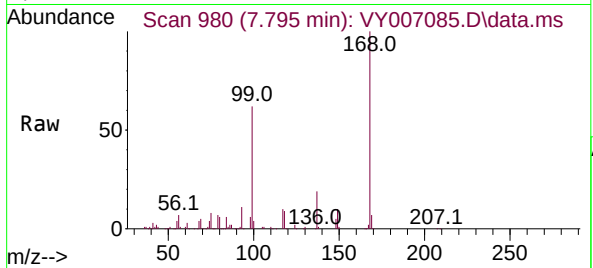




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

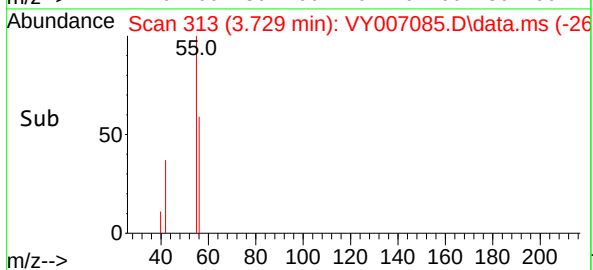
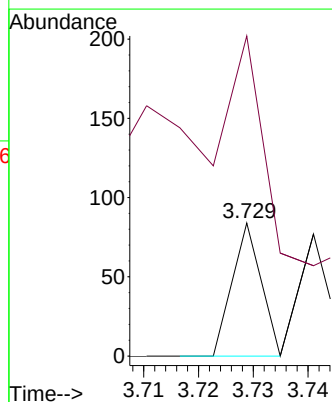
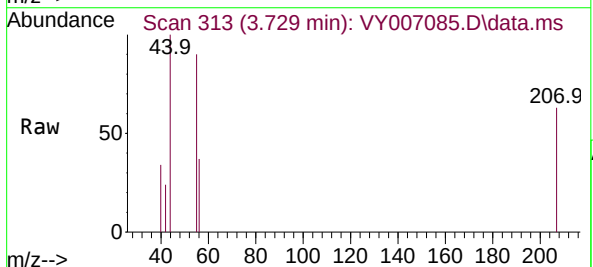
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

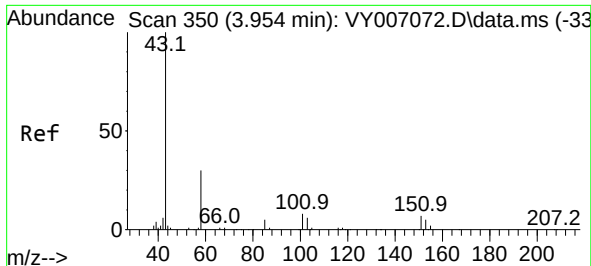
Tgt Ion:168 Resp: 135445
Ion Ratio Lower Upper
168 100
99 61.8 49.1 73.7



#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 1709.7 55.7 83.5#

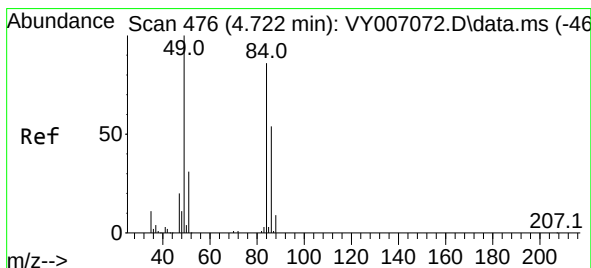
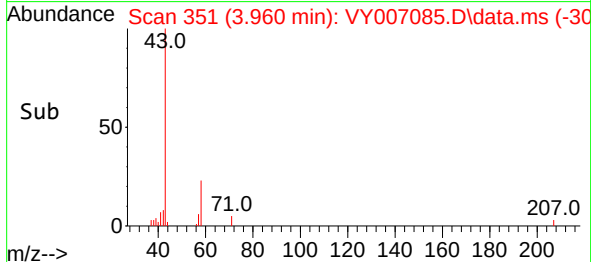
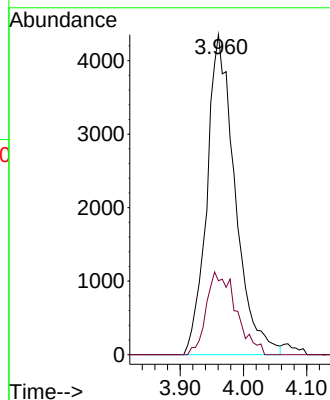
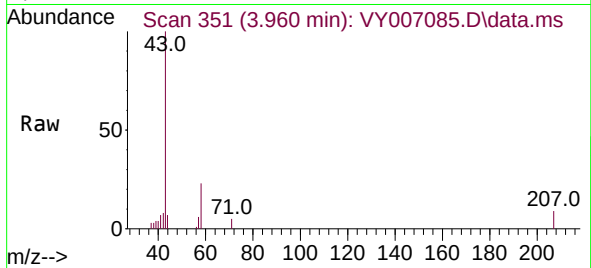




#16
Acetone
Concen: 44.363 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

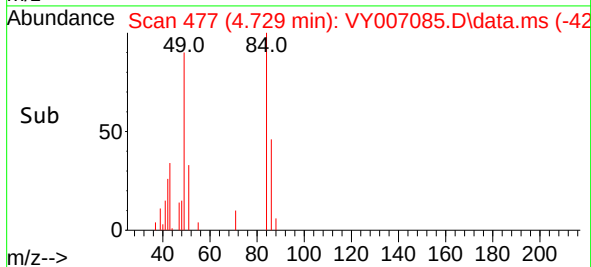
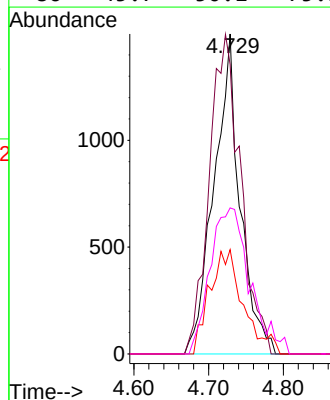
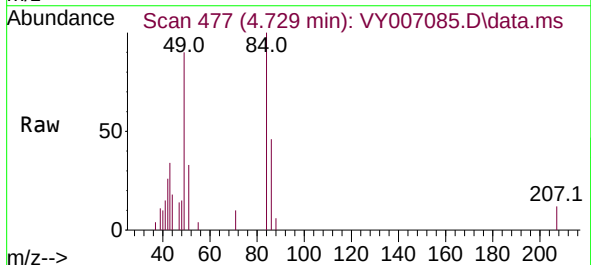
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

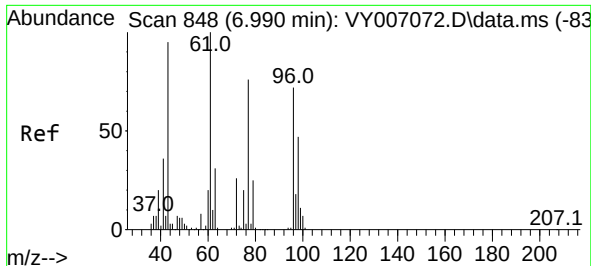
Tgt Ion: 43 Resp: 13487
Ion Ratio Lower Upper
43 100
58 23.1 23.8 35.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 84 Resp: 3626
Ion Ratio Lower Upper
84 100
49 90.5 92.6 139.0#
51 32.6 28.6 42.8
86 45.7 50.1 75.1#

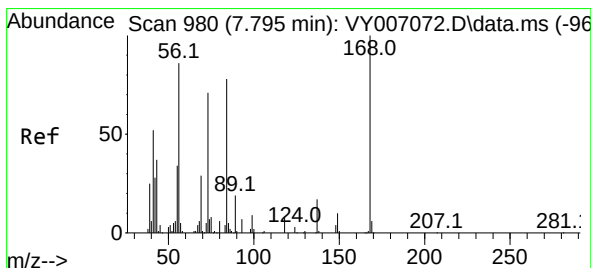
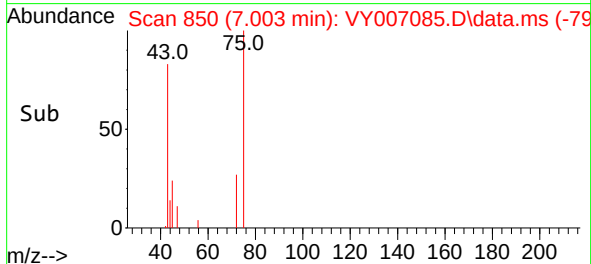
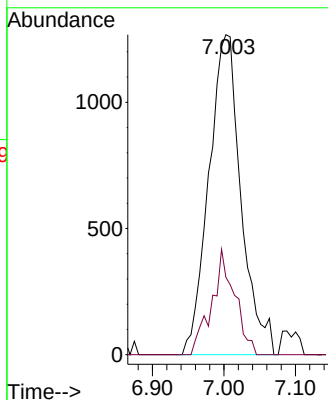
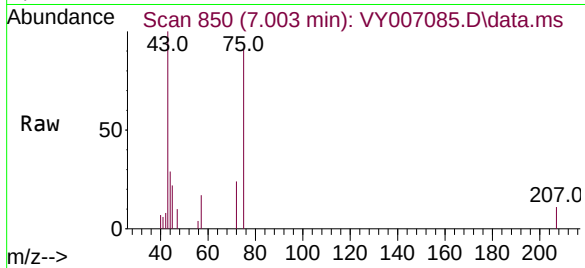




#25
2-Butanone
Concen: 8.439 ug/l
RT: 7.003 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

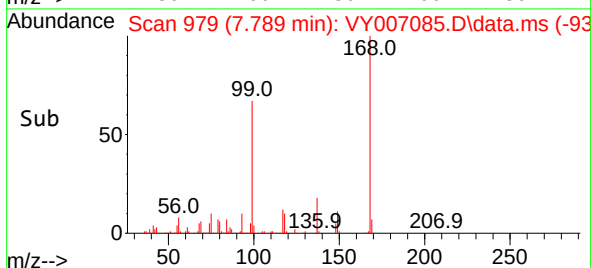
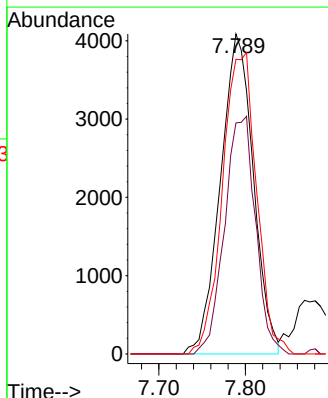
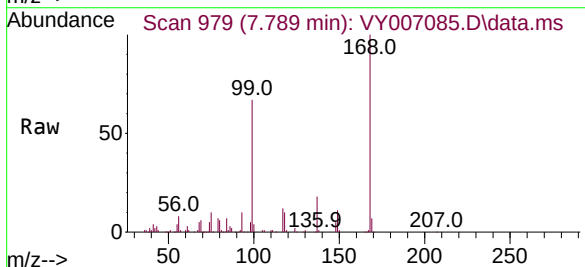
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

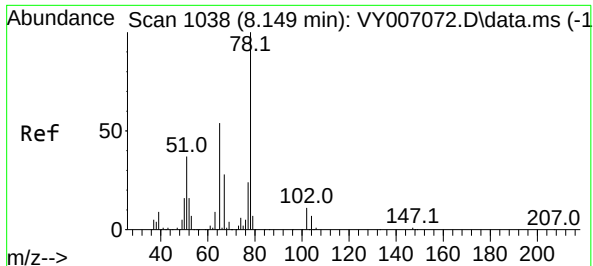
Tgt Ion: 43 Resp: 3964
Ion Ratio Lower Upper
43 100
72 24.2 21.9 32.9



#31
Cyclohexane
Concen: 3.879 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 56 Resp: 10817
Ion Ratio Lower Upper
56 100
69 72.2 27.2 40.8#
84 92.1 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 60.289 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY007085.D

Acq: 08 Jan 2022 17:53

Instrument :

MSVOA_Y

ClientSampleId :

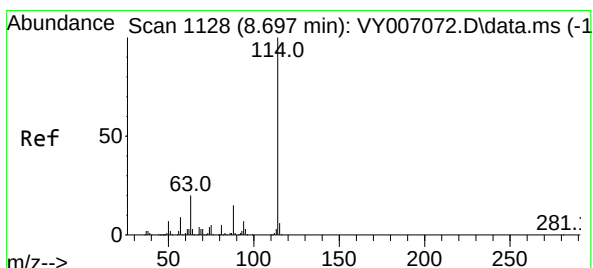
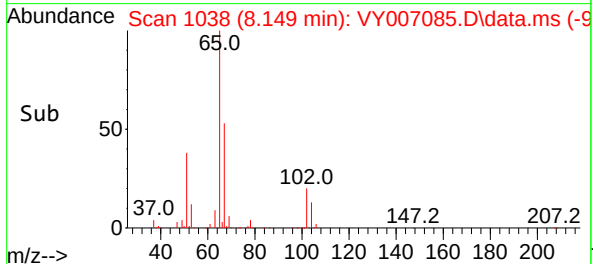
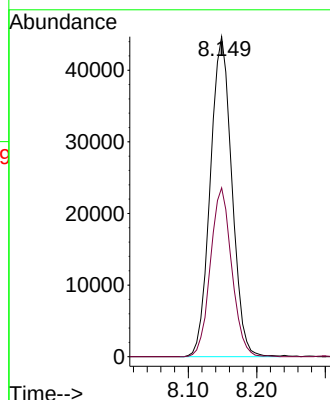
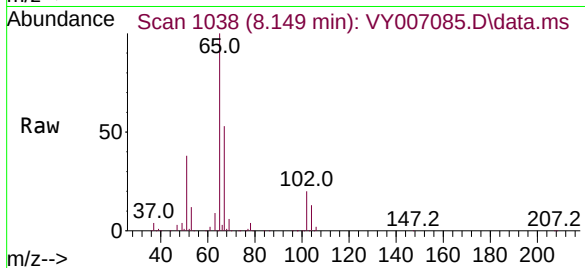
HR-2-010622

Tgt Ion: 65 Resp: 97690

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY007085.D

Acq: 08 Jan 2022 17:53

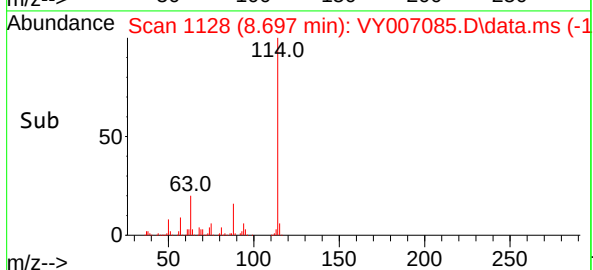
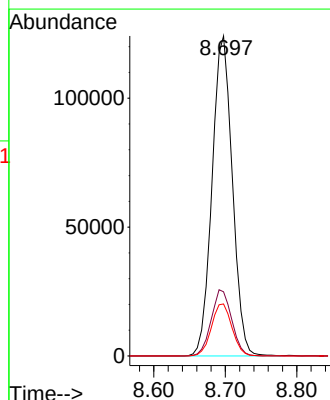
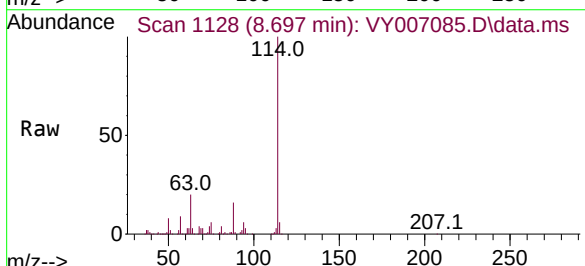
Tgt Ion: 114 Resp: 244404

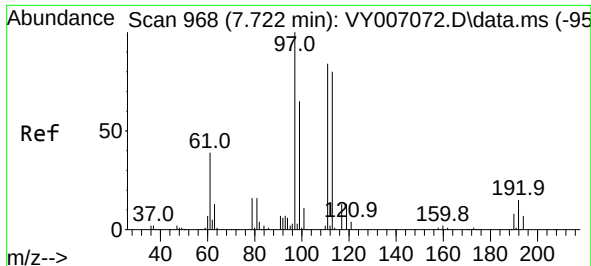
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.3 0.0 31.0

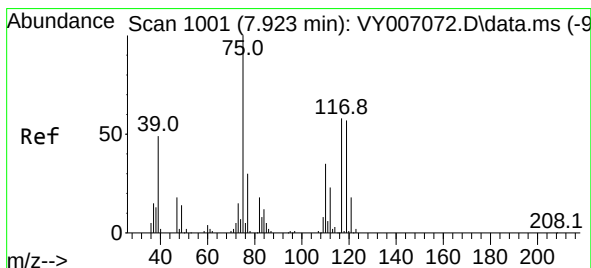
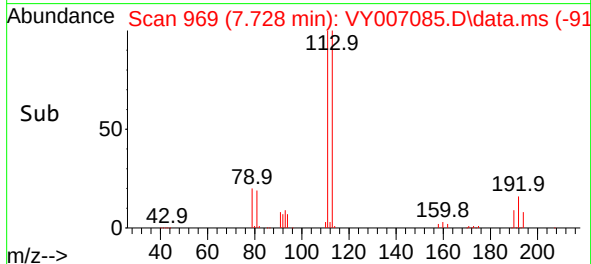
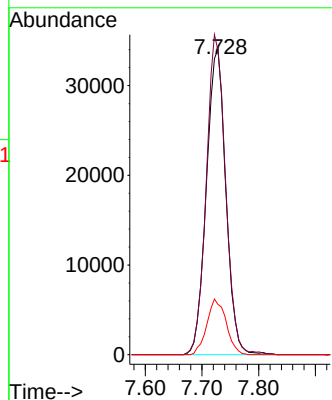
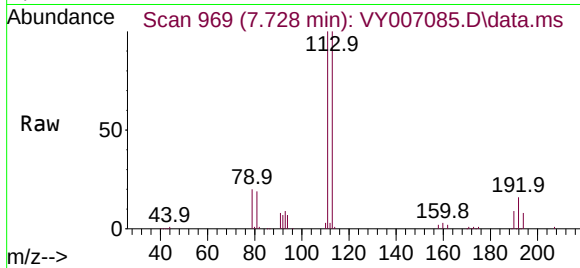




#35
Dibromofluoromethane
Concen: 49.932 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

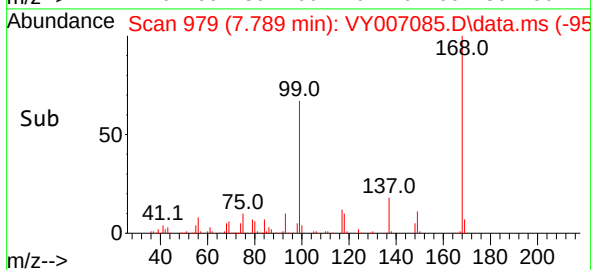
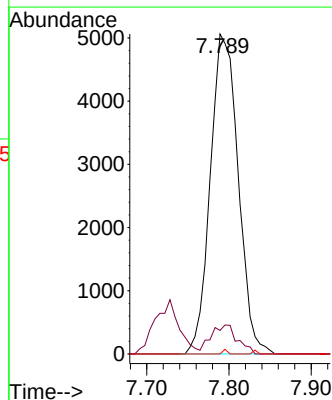
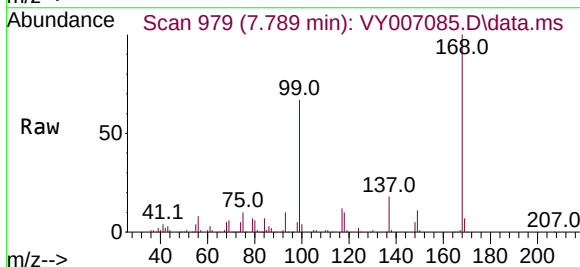
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ClientSampleId :
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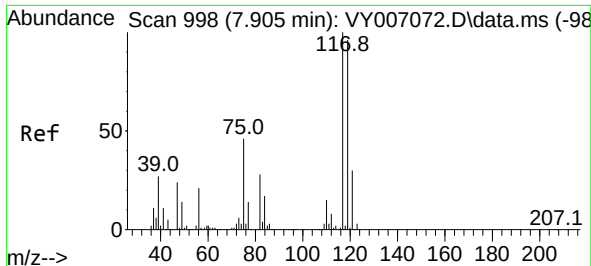
Tgt Ion:113 Resp: 81334
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.618 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 75 Resp: 11919
Ion Ratio Lower Upper
75 100
110 8.6 17.3 51.9#
77 0.0 24.7 37.1#

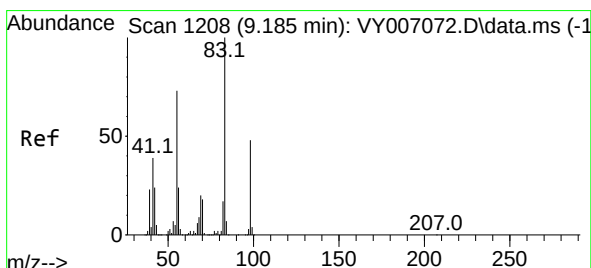
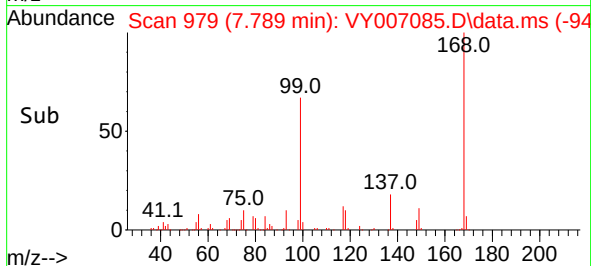
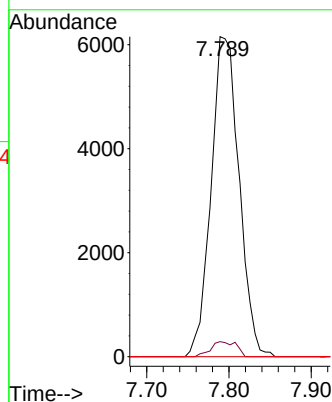
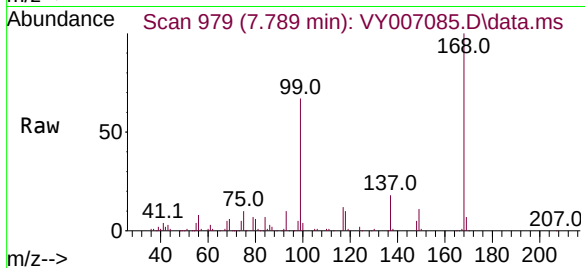




#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

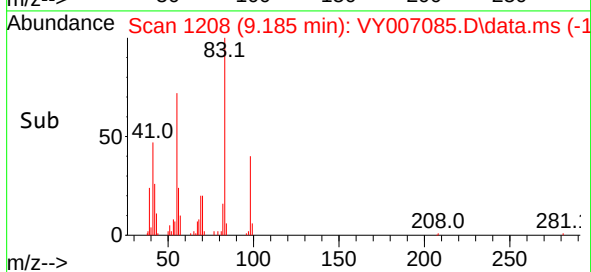
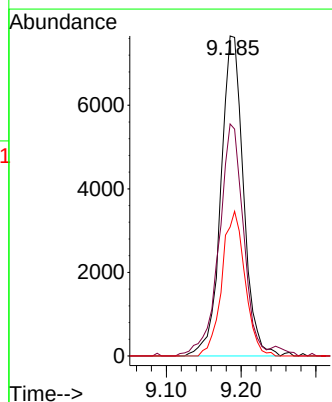
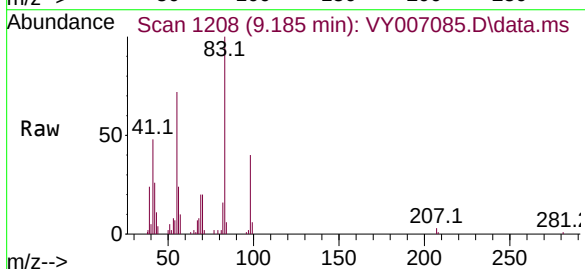
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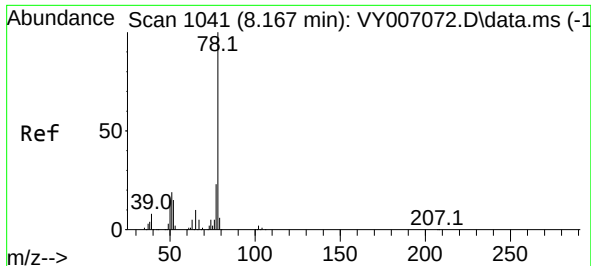
Tgt Ion:117 Resp: 14548
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 4.978 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 83 Resp: 16069
Ion Ratio Lower Upper
83 100
55 71.7 58.8 88.2
98 40.3 38.7 58.1

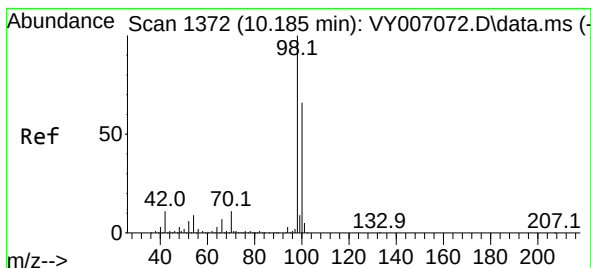
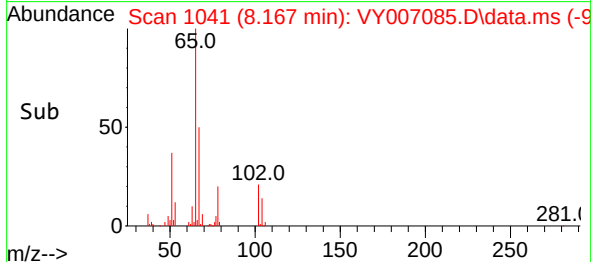
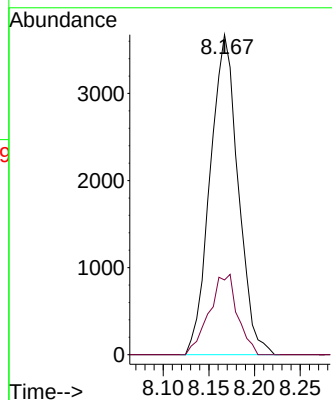
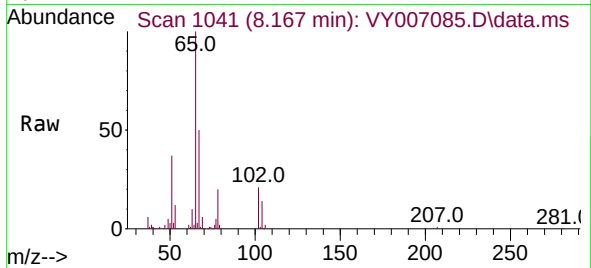




#40
Benzene
Concen: 1.128 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

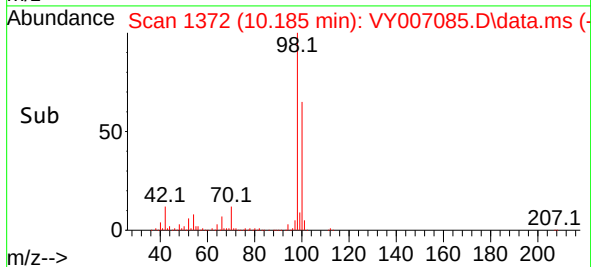
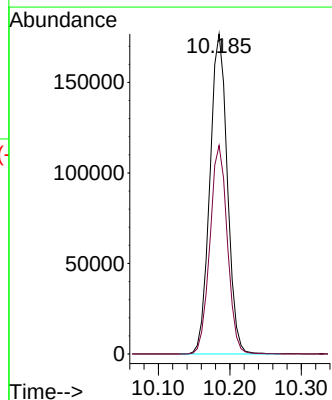
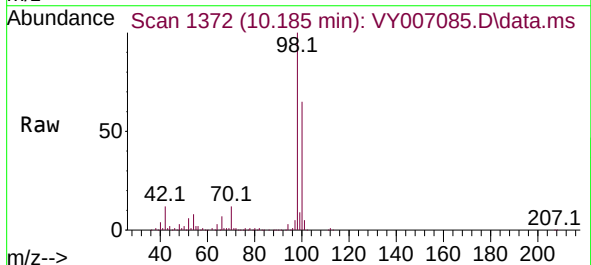
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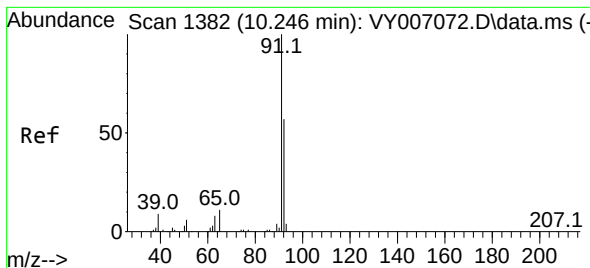
Tgt Ion: 78 Resp: 7839
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8



#50
Toluene-d8
Concen: 49.850 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 98 Resp: 299933
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





#52

Toluene

Concen: 1.812 ug/l

RT: 10.246 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007085.D

Acq: 08 Jan 2022 17:53

Instrument :

MSVOA_Y

ClientSampleId :

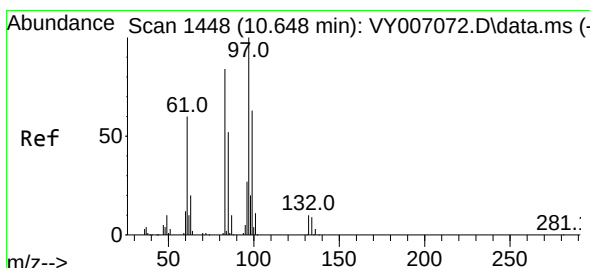
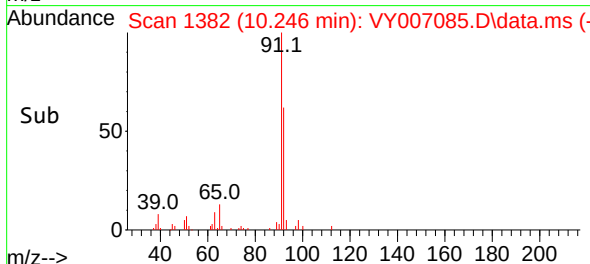
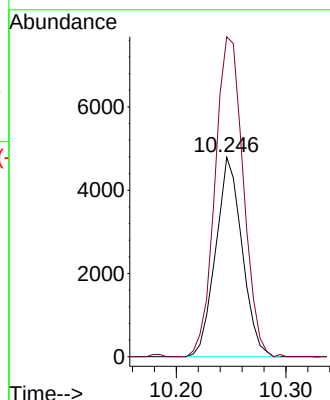
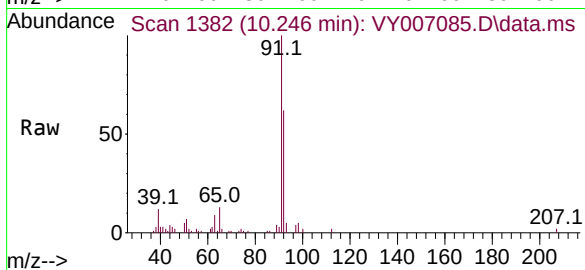
HR-2-010622

Tgt Ion: 92 Resp: 8015

Ion Ratio Lower Upper

92 100

91 171.7 138.6 207.8



#55

1,1,2-Trichloroethane

Concen: 2.394 ug/l

RT: 10.624 min Scan# 1444

Delta R.T. -0.024 min

Lab File: VY007085.D

Acq: 08 Jan 2022 17:53

Tgt Ion: 97 Resp: 3336

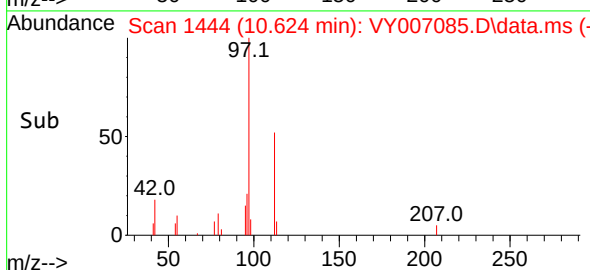
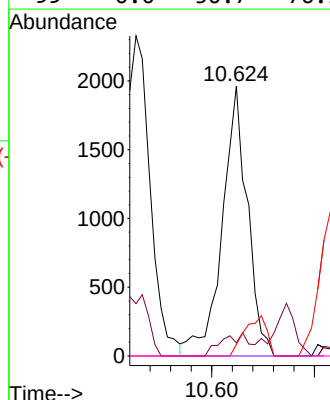
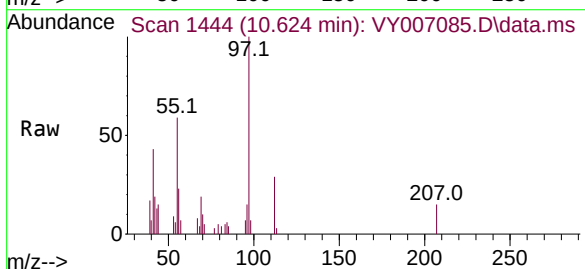
Ion Ratio Lower Upper

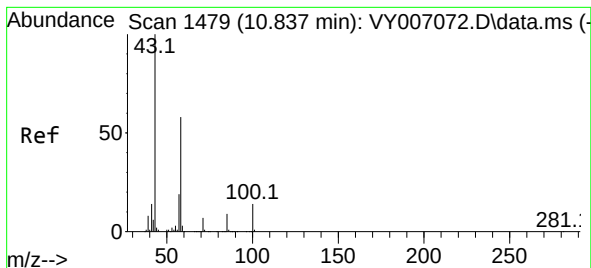
97 100

83 4.8 67.0 100.4#

85 4.2 41.2 61.8#

99 0.0 50.7 76.1#

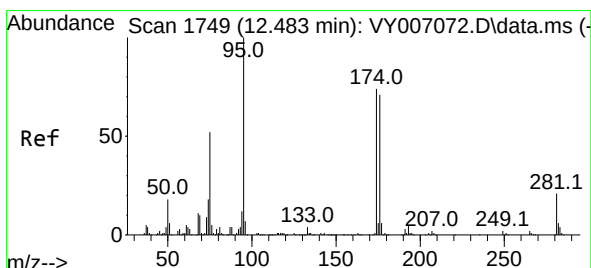
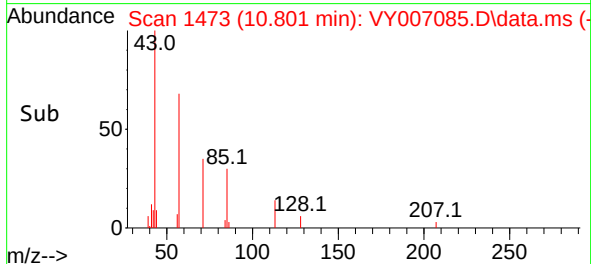
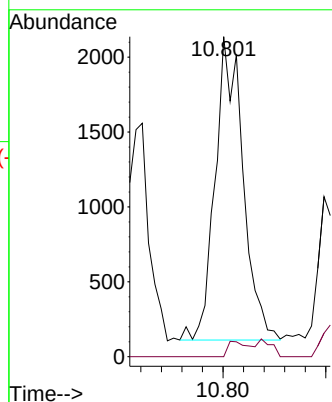
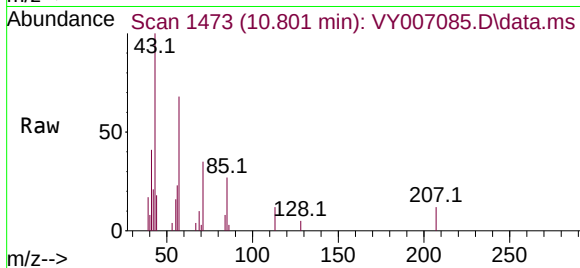




#59
2-Hexanone
Concen: 4.863 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.036 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

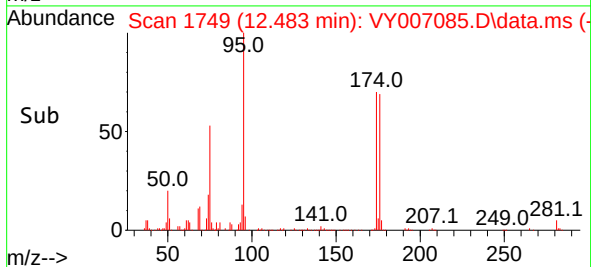
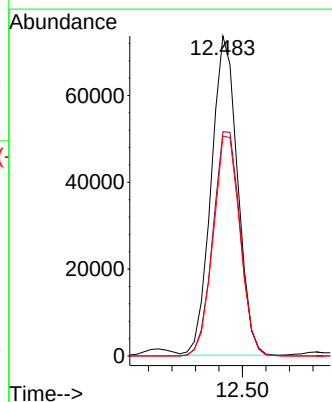
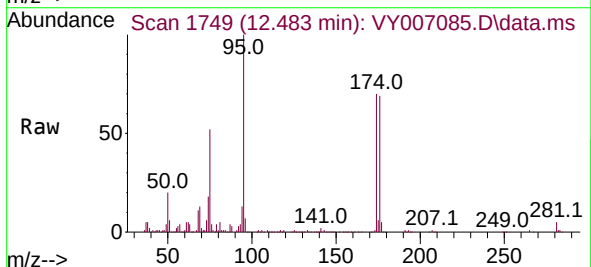
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

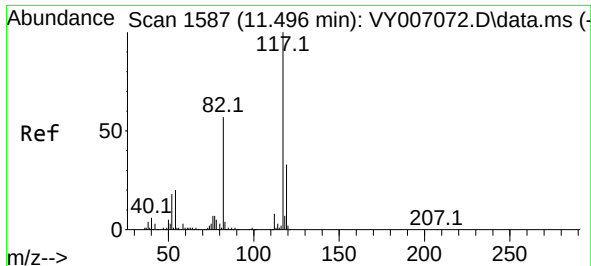
Tgt Ion: 43 Resp: 3809
Ion Ratio Lower Upper
43 100
58 4.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 52.783 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 95 Resp: 114537
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.4
176 70.3 0.0 146.6

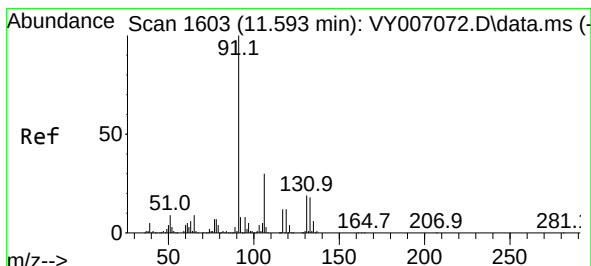
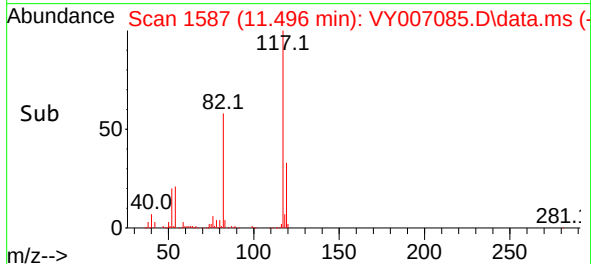
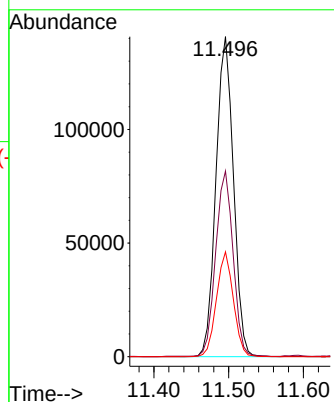
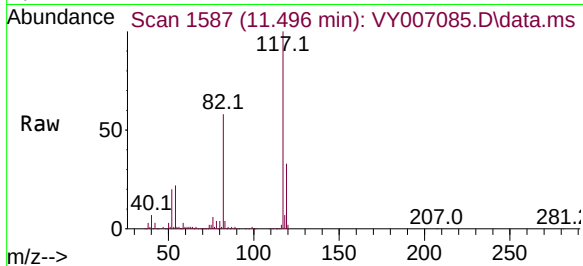




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

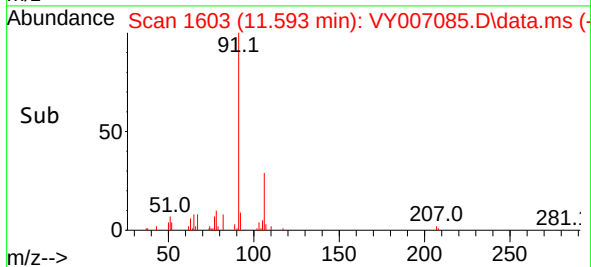
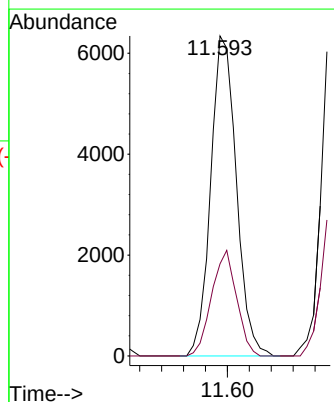
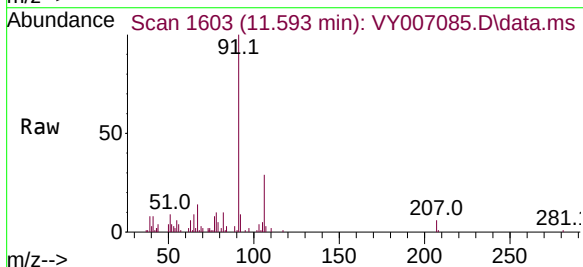
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

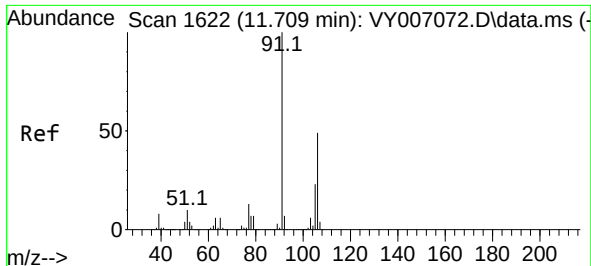
Tgt Ion:117 Resp: 229095
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.0
119 32.8 26.4 39.6



#67
Ethyl Benzene
Concen: 1.113 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 91 Resp: 10309
Ion Ratio Lower Upper
91 100
106 28.8 23.9 35.9

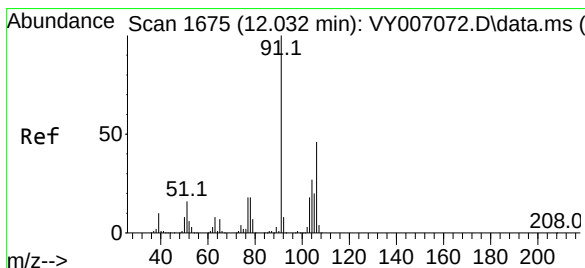
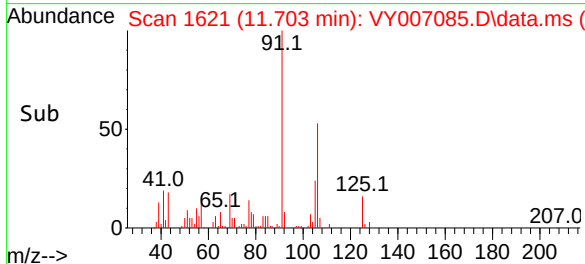
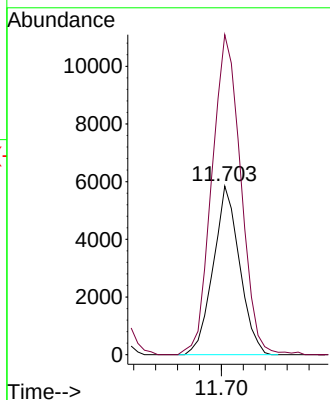
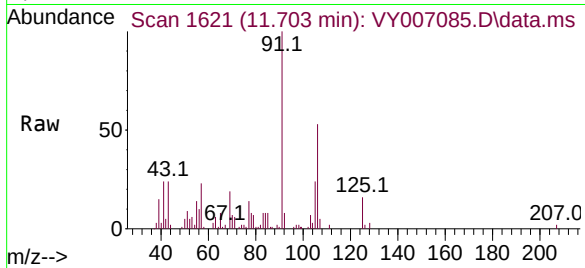




#68
m/p-Xylenes
Concen: 2.823 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

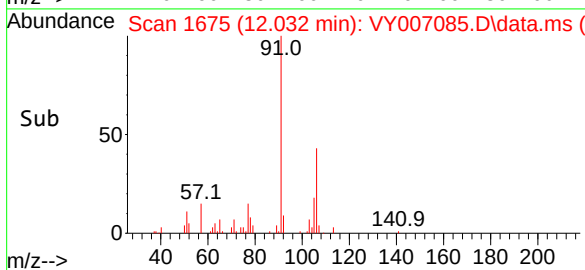
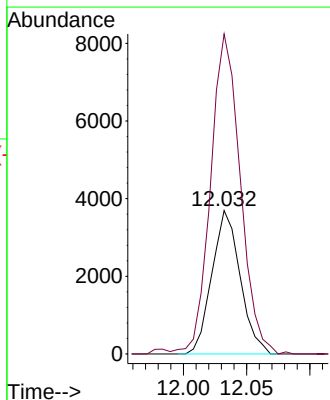
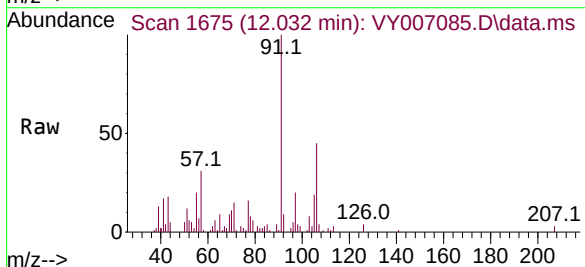
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

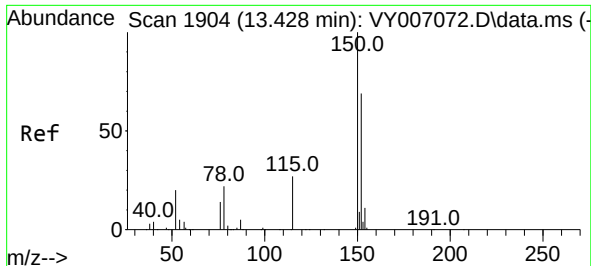
Tgt Ion:106 Resp: 9777
Ion Ratio Lower Upper
106 100
91 208.2 167.1 250.7



#69
o-Xylene
Concen: 1.771 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion:106 Resp: 5745
Ion Ratio Lower Upper
106 100
91 234.3 109.9 329.6

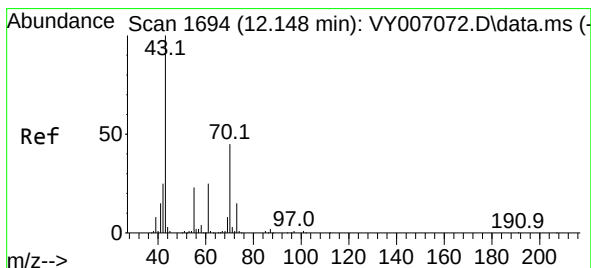
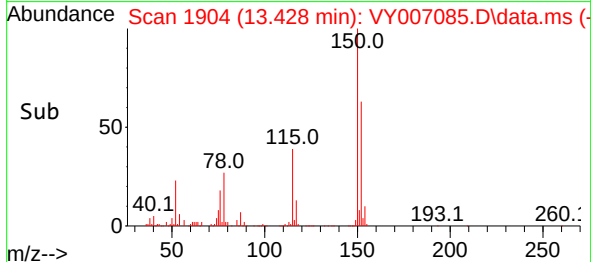
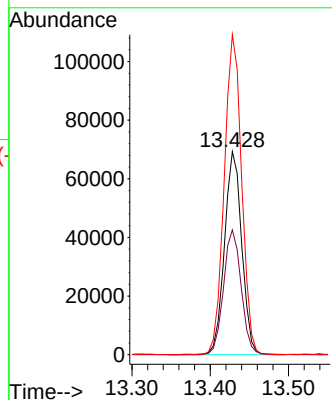
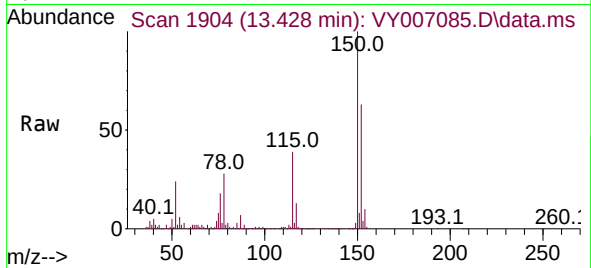




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

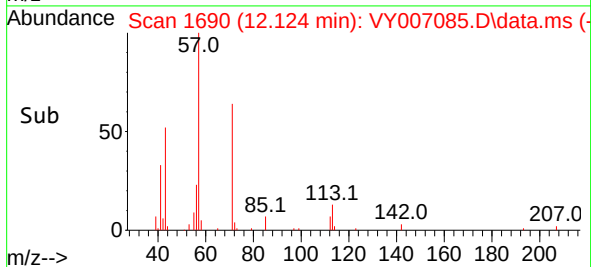
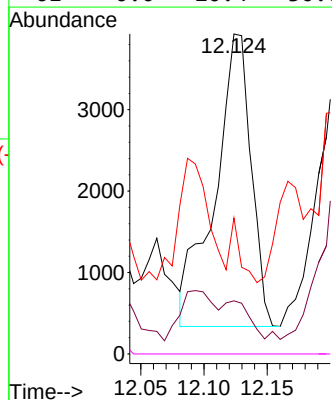
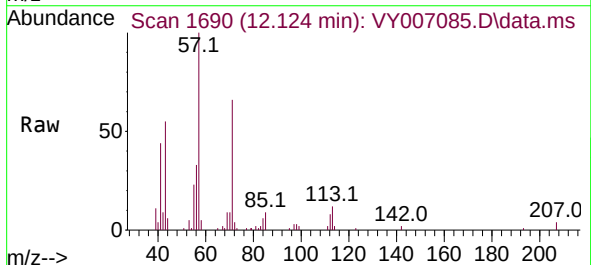
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

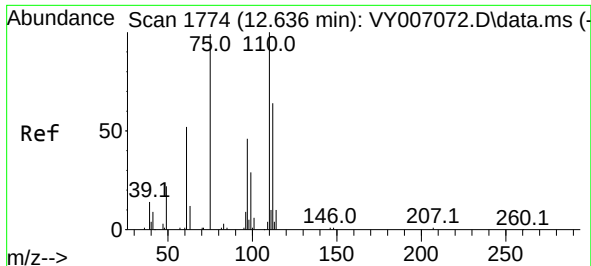
Tgt Ion:152 Resp: 106154
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.0
150 158.9 0.0 348.4



#74
N-ethyl acetate
Concen: 3.120 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
70 0.0 36.2 54.4#
55 0.0 19.0 28.4#
61 0.0 20.4 30.6#

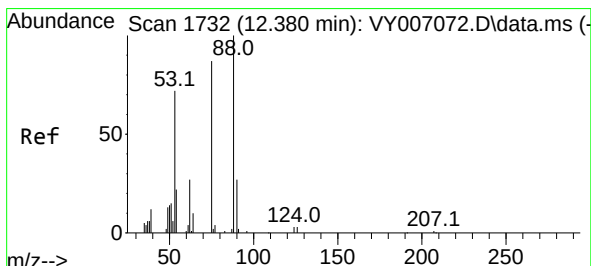
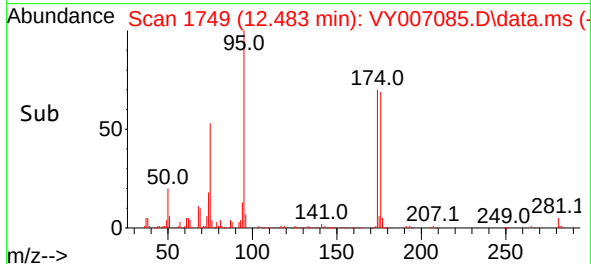
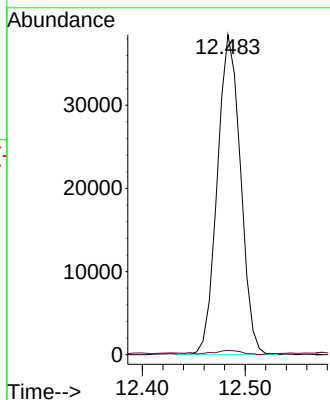
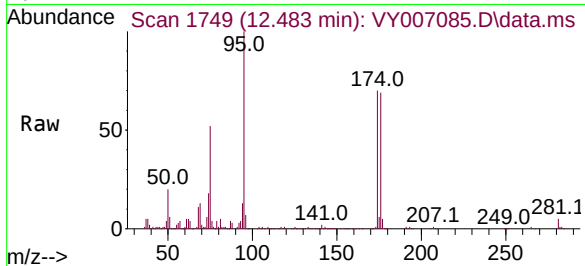




#76
1,2,3-Trichloropropane
Concen: 49.779 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

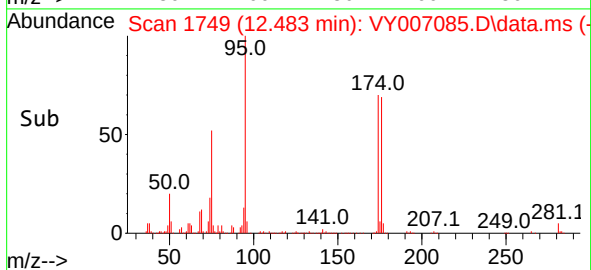
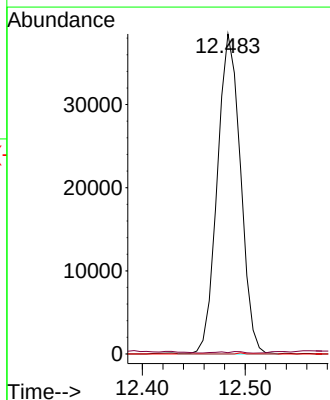
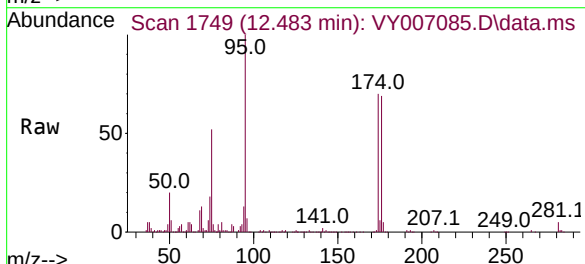
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

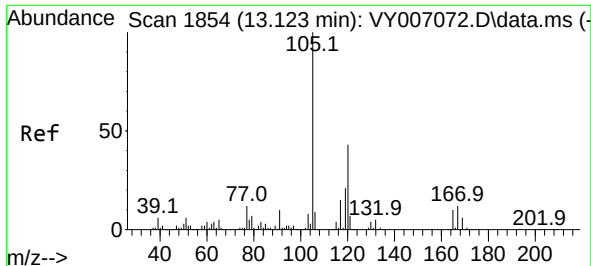
Tgt Ion: 75 Resp: 60309
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.499 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion: 75 Resp: 60309
Ion Ratio Lower Upper
75 100
53 0.5 73.9 110.9#
89 0.1 0.0 0.0#

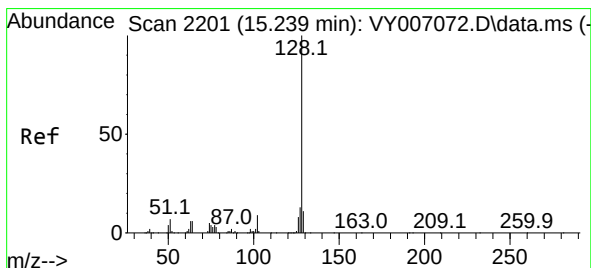
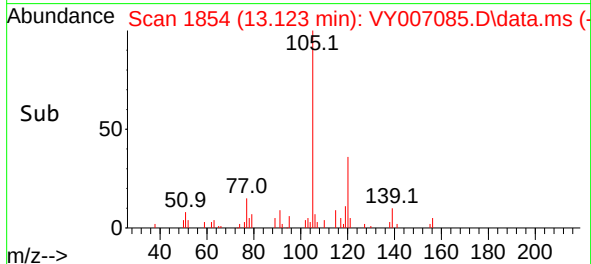
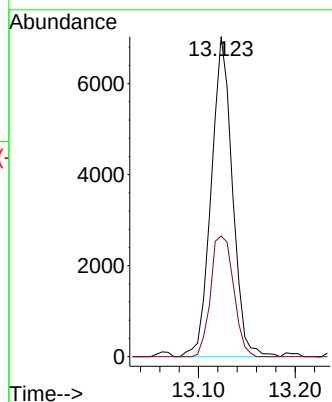
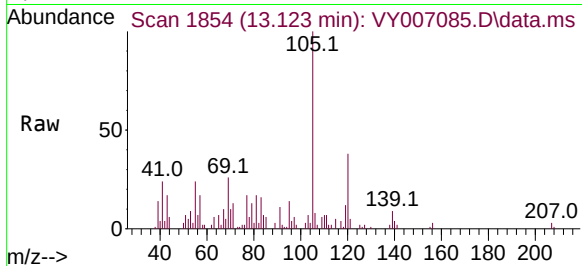




#84
1,2,4-Trimethylbenzene
Concen: 1.465 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-010622

Tgt Ion:105 Resp: 10699
Ion Ratio Lower Upper
105 100
120 40.9 21.6 64.6



#95
Naphthalene
Concen: 1.341 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007085.D
Acq: 08 Jan 2022 17:53

Tgt Ion:128 Resp: 5638
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 13.5 8.9 13.3#

