

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007934.D
 Acq On : 19 Mar 2022 05:10
 Operator : SY/MD
 Sample : N1958-14
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-14-13-14

Quant Time: Mar 21 03:20:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

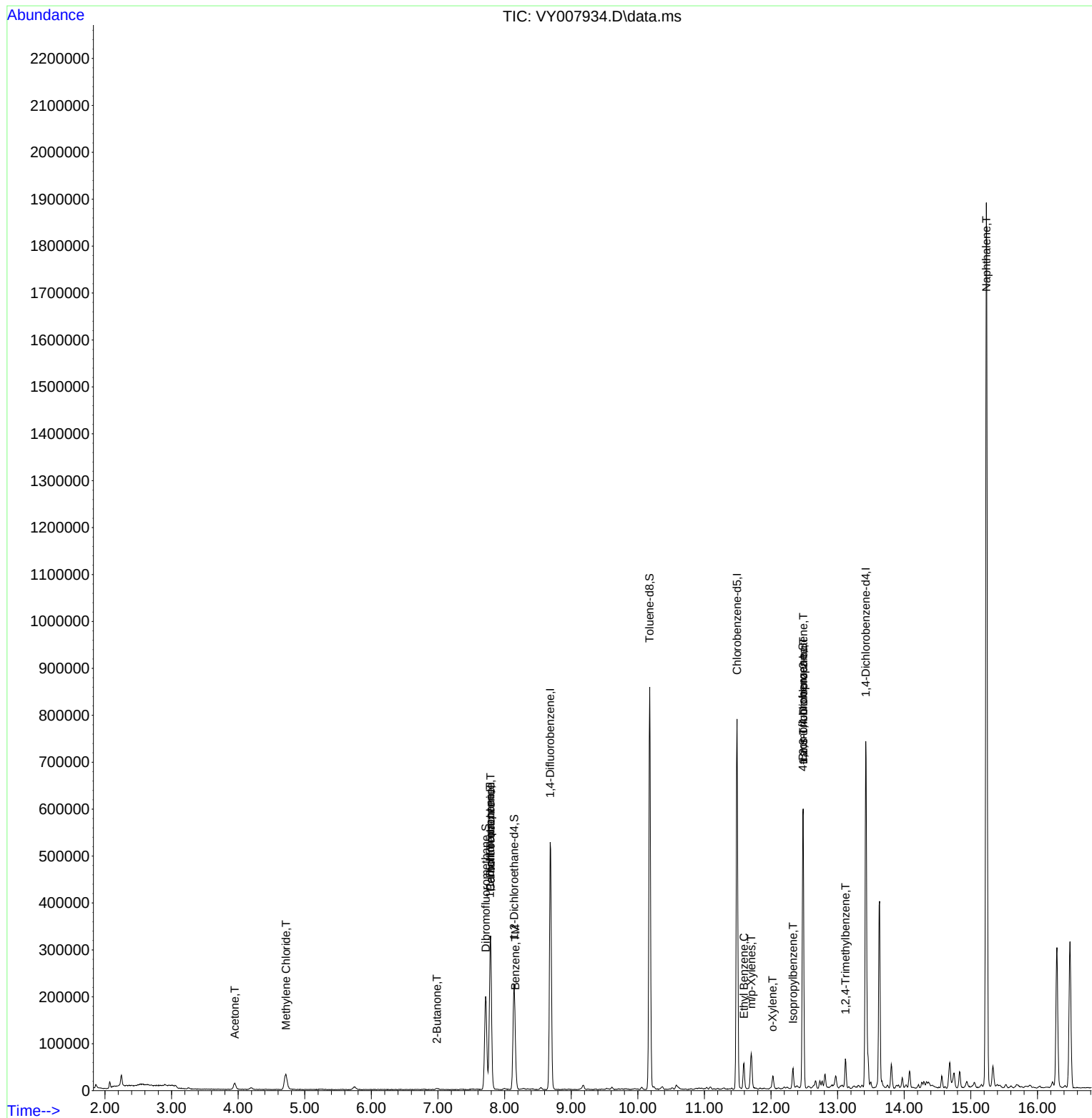
Internal Standards						
1) Pentafluorobenzene	7.789	168	240949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	452441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	418419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	151328	55.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.160%			
35) Dibromofluoromethane	7.716	113	141302	44.470	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.940%			
50) Toluene-d8	10.179	98	555759	58.979	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.960%			
62) 4-Bromofluorobenzene	12.477	95	195491	42.868	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	218	Below Cal	#	43
3) Chloromethane	2.107	50	761	Below Cal	#	87
4) Vinyl Chloride	2.266	62	104	Below Cal	#	43
5) Bromomethane	2.674	94	396	Below Cal	#	42
16) Acetone	3.948	43	22193	30.451	ug/l	96
17) Carbon Disulfide	4.192	76	7285	Below Cal		100
18) Methyl Acetate	4.460	43	240	Below Cal		91
20) Methylene Chloride	4.716	84	24488	4.452	ug/l	87
25) 2-Butanone	6.984	43	4243	3.635	ug/l	92
31) Cyclohexane	7.789	56	6172	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	20825	4.419	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	25566	5.077	ug/l	# 15
39) Methylcyclohexane	9.185	83	4048	Below Cal	#	85
40) Benzene	8.161	78	43772	3.178	ug/l	96
67) Ethyl Benzene	11.593	91	37786	2.116	ug/l	99
68) m/p-Xylenes	11.703	106	23178	3.328	ug/l	99
69) o-Xylene	12.026	106	7204	1.069	ug/l	94
73) Isopropylbenzene	12.331	105	25936	1.636	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	102329	39.852	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	102329	83.705	ug/l	# 7
84) 1,2,4-Trimethylbenzene	13.117	105	31537	2.467	ug/l	100
95) Naphthalene	15.233	128	1504888	167.621	ug/l	98

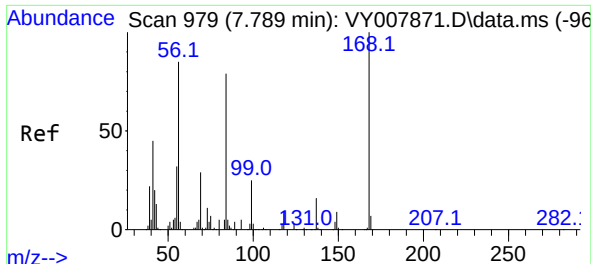
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Mar 21 03:20:35 2022
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Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
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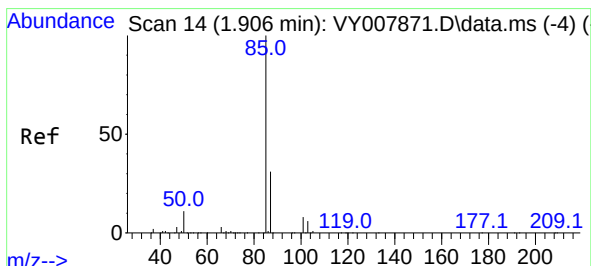
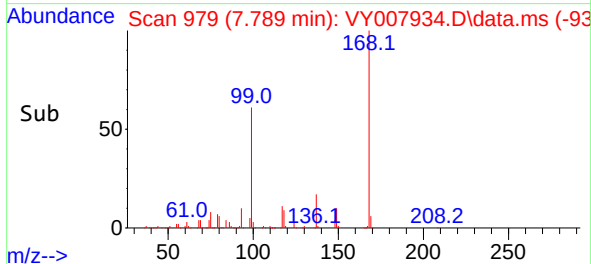
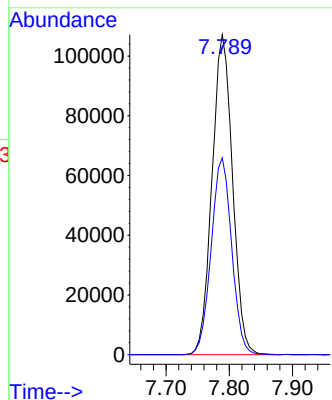
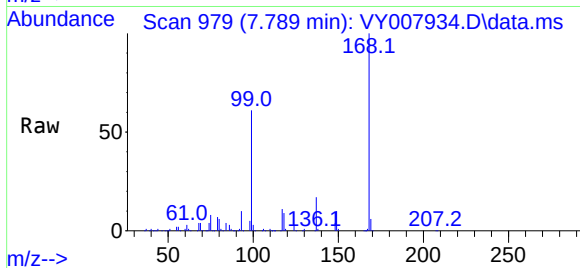




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

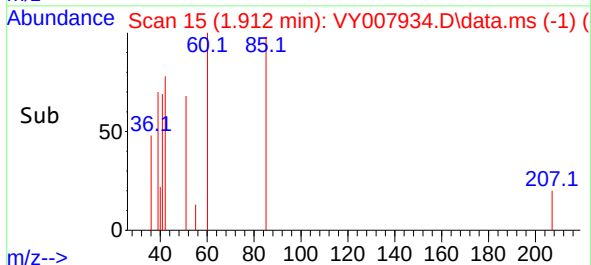
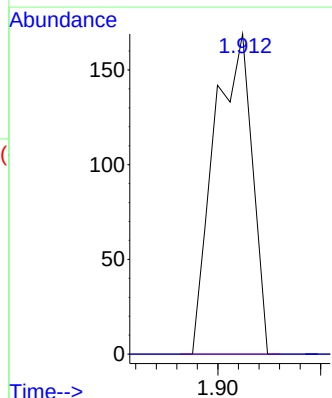
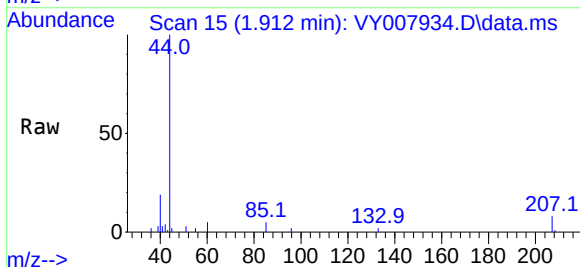
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

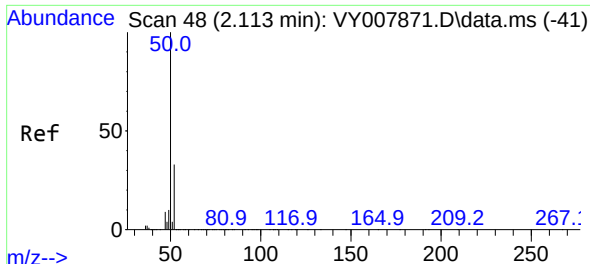
Tgt Ion:168 Resp: 240949
Ion Ratio Lower Upper
168 100
99 61.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 85 Resp: 218
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

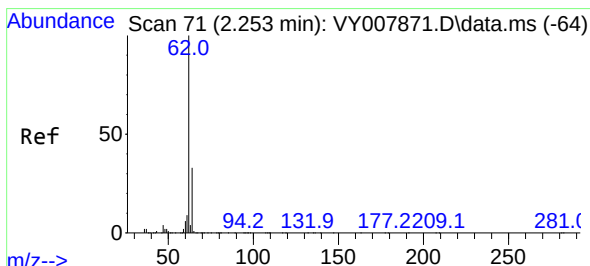
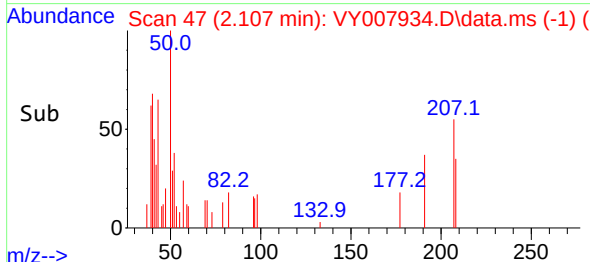
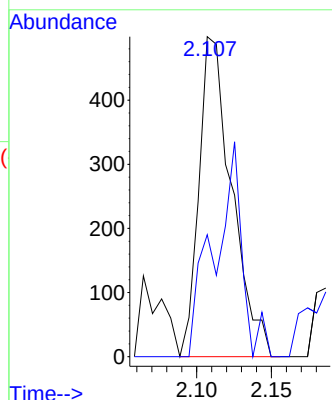
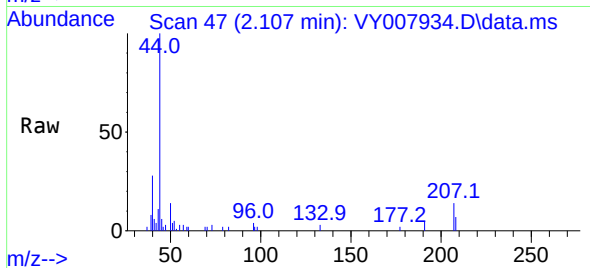




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

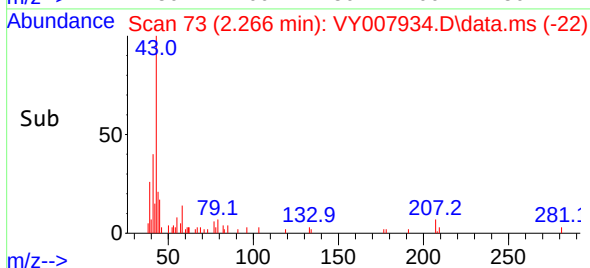
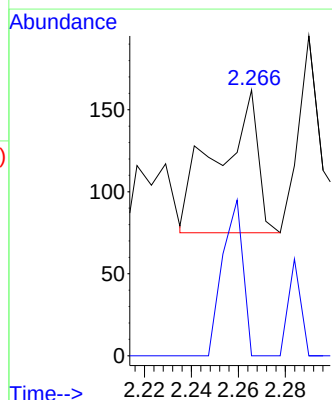
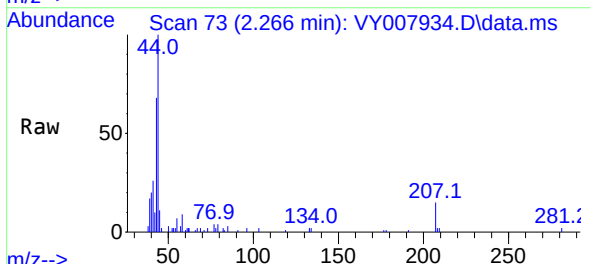
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

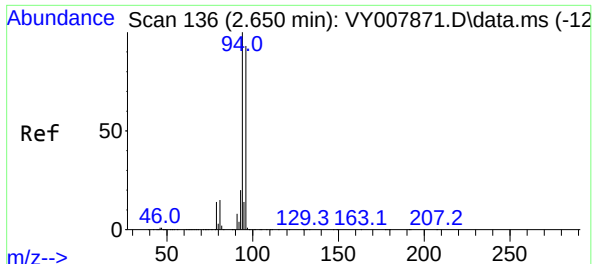
Tgt Ion: 50 Resp: 761
Ion Ratio Lower Upper
50 100
52 38.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.266 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 62 Resp: 104
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

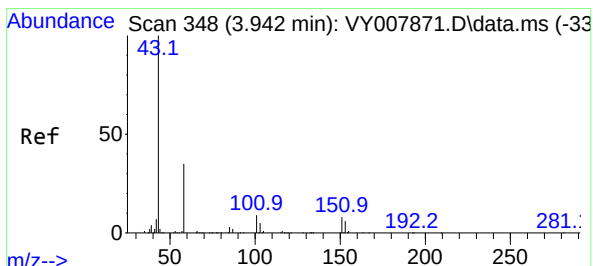
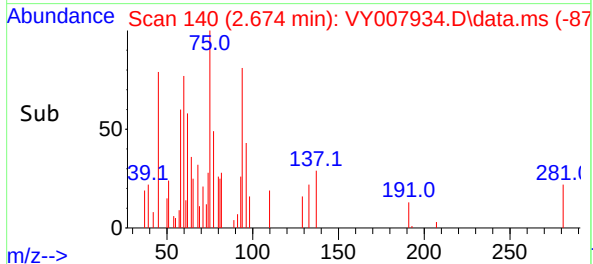
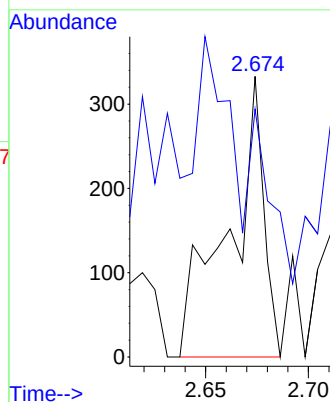
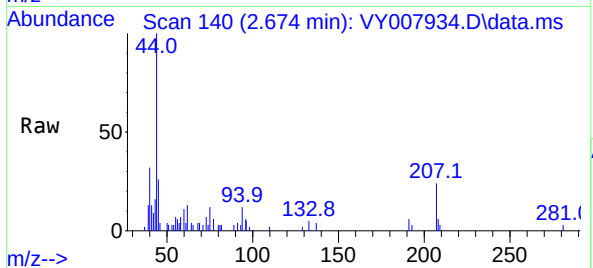




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

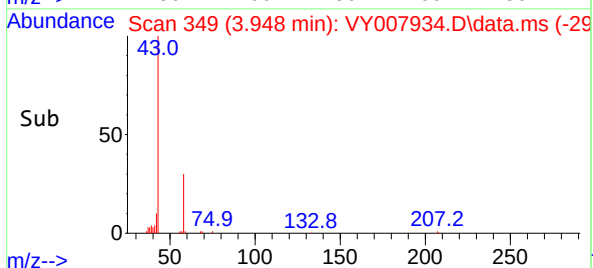
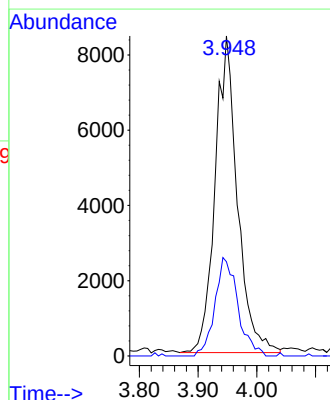
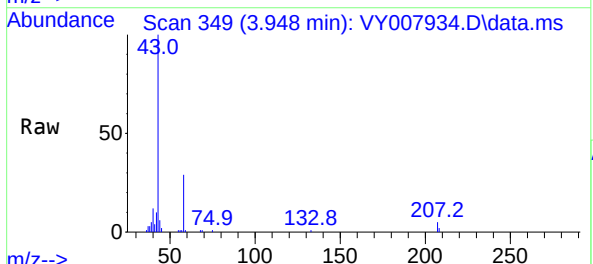
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

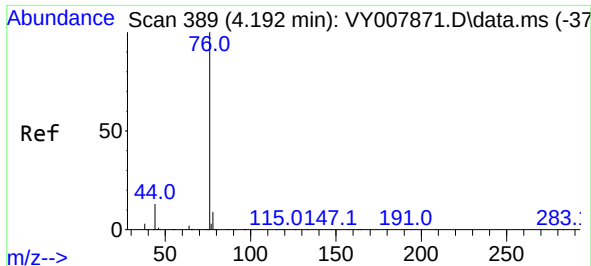
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 36.6 73.5 110.3#



#16
Acetone
Concen: 30.451 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 43 Resp: 22193
Ion Ratio Lower Upper
43 100
58 29.8 22.0 33.0

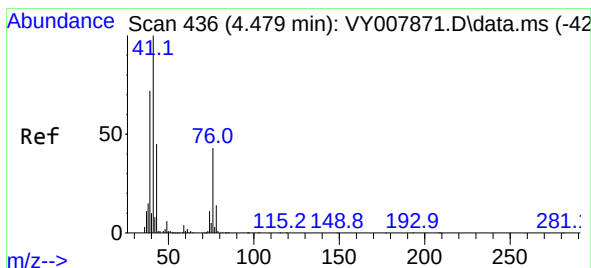
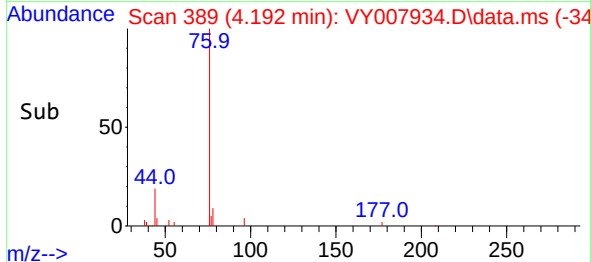
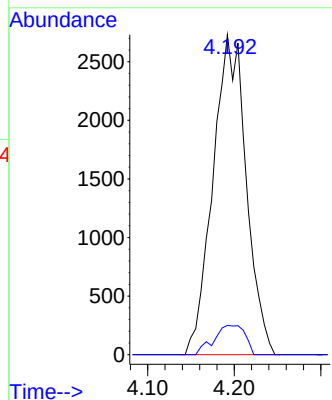
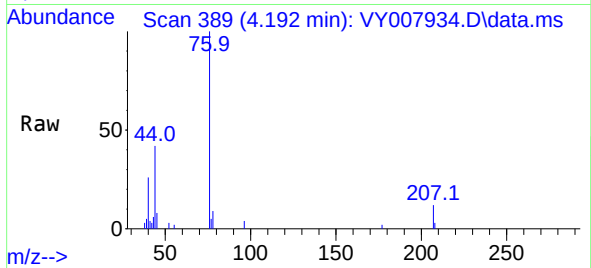




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

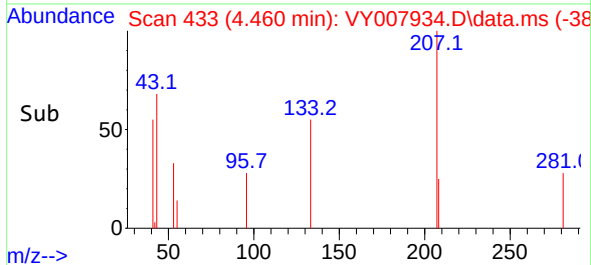
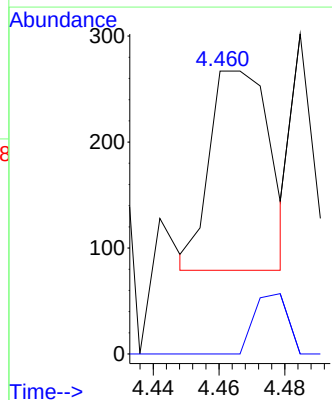
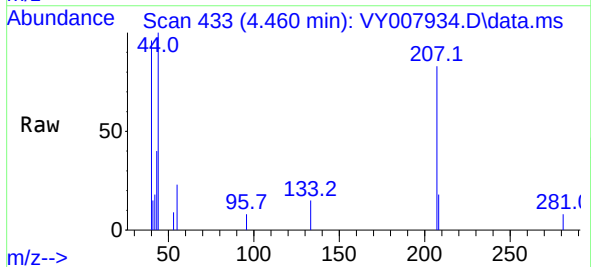
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

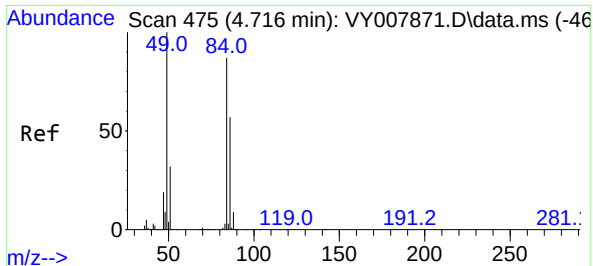
Tgt Ion: 76 Resp: 7285
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.012 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
74 16.7 16.6 24.8



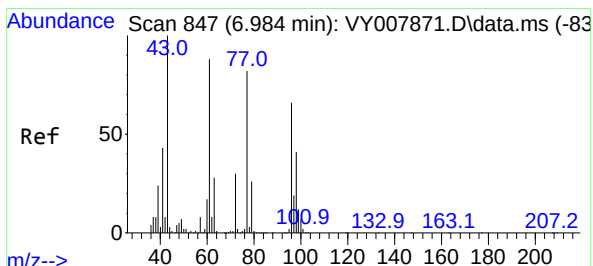
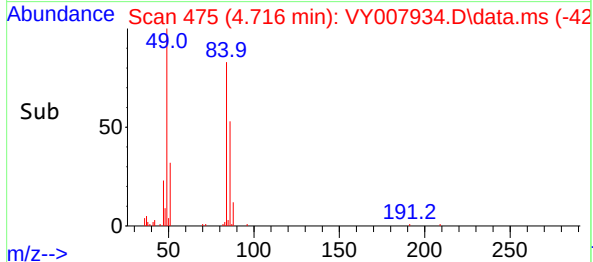
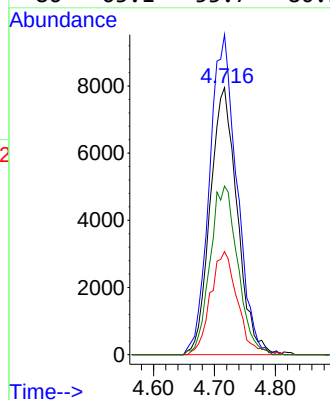
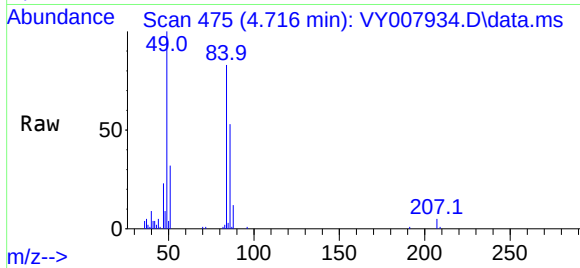


#20
Methylene Chloride
Concen: 4.452 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

Tgt Ion: 84 Resp: 24488

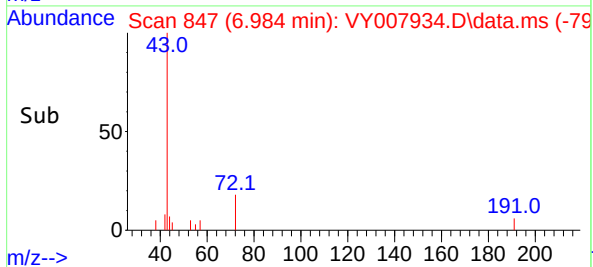
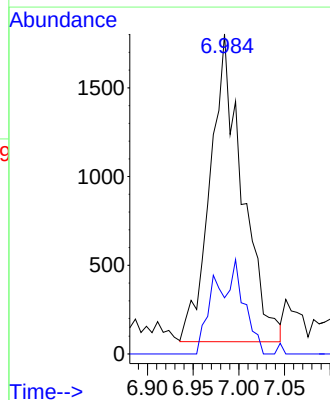
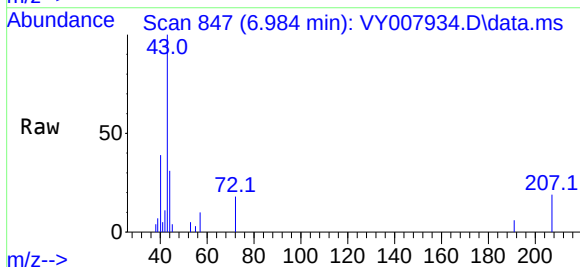
Ion	Ratio	Lower	Upper
84	100		
49	119.8	114.4	171.6
51	38.6	35.3	52.9
86	63.1	53.7	80.5

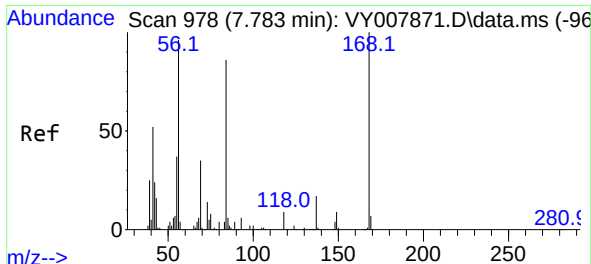


#25
2-Butanone
Concen: 3.635 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 43 Resp: 4243

Ion	Ratio	Lower	Upper
43	100		
72	18.3	17.7	26.5

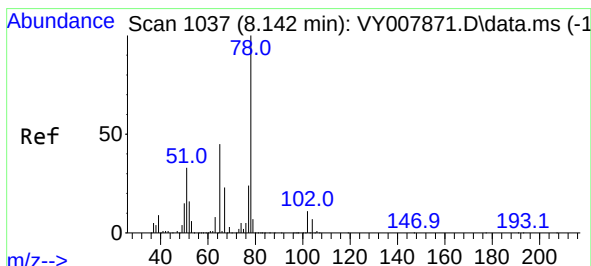
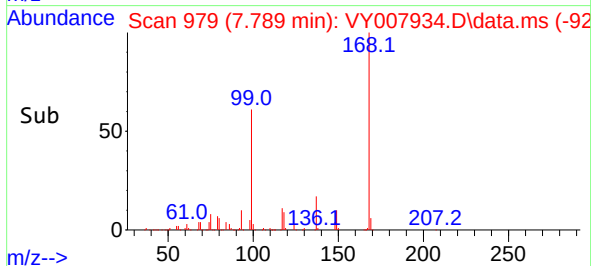
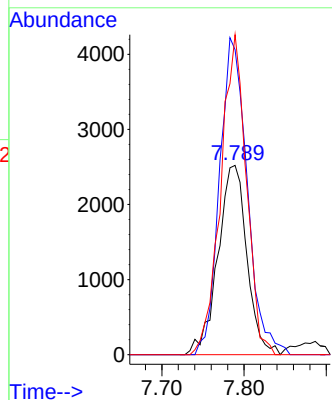
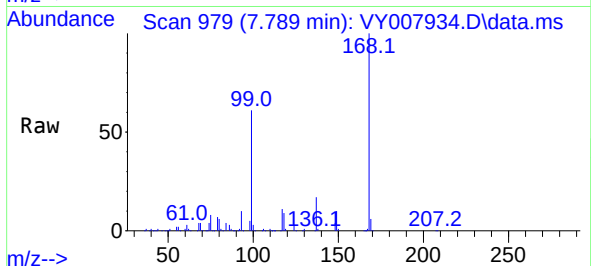




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

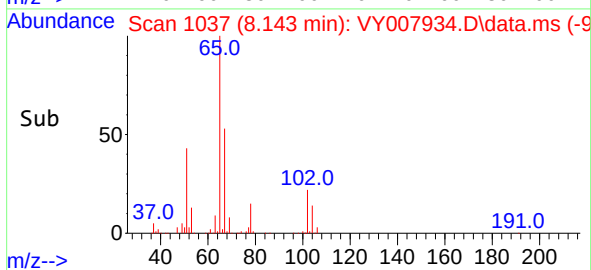
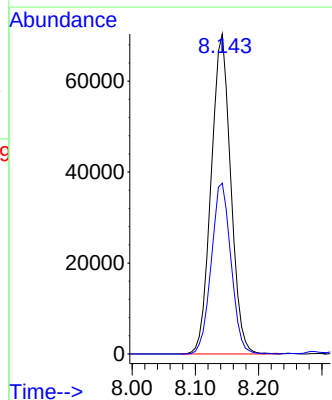
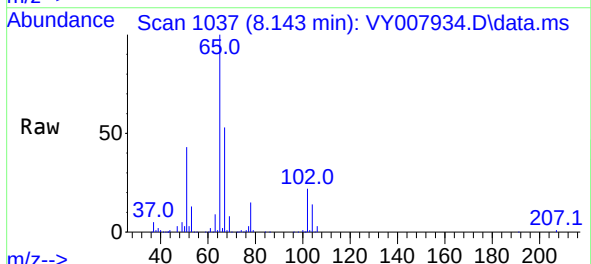
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

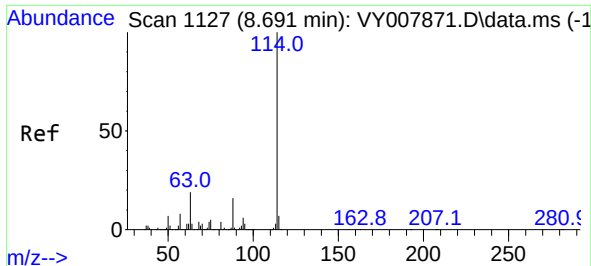
Tgt Ion: 56 Resp: 6172
Ion Ratio Lower Upper
56 100
69 161.0 26.7 40.1#
84 169.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.083 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 65 Resp: 151328
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4

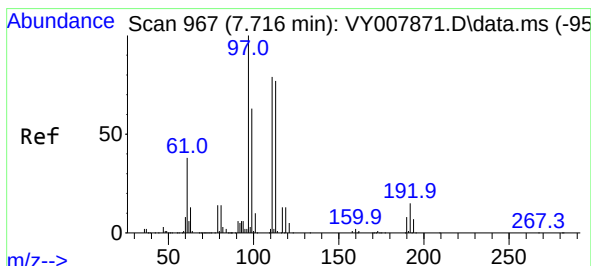
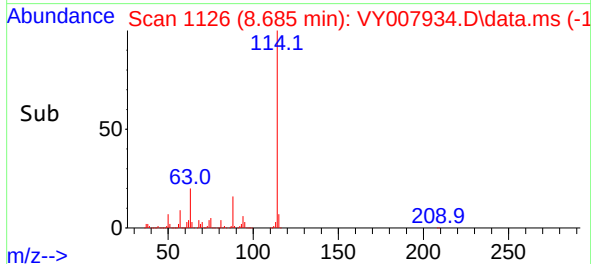
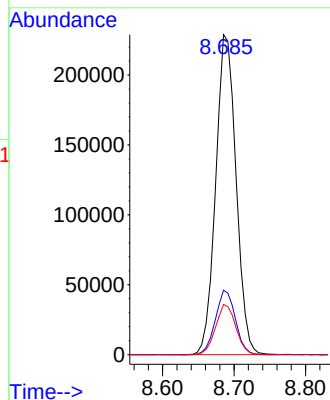
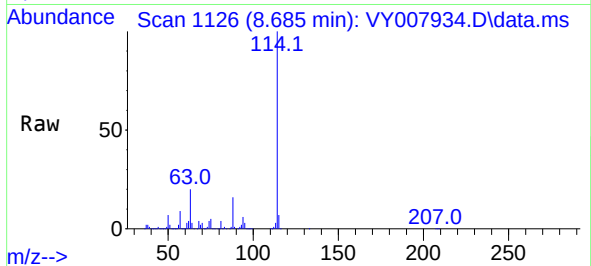




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

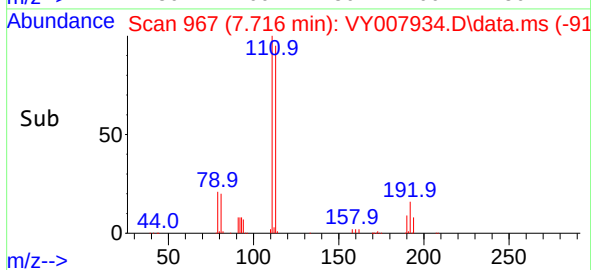
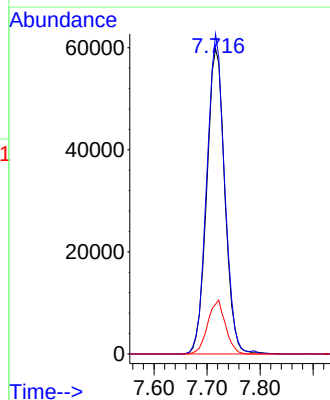
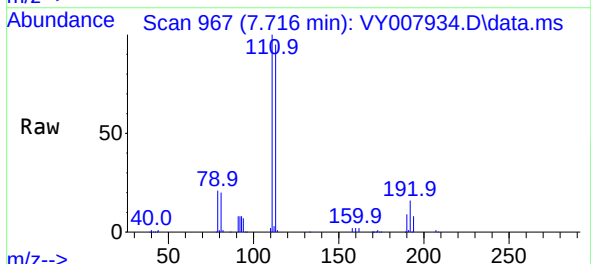
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

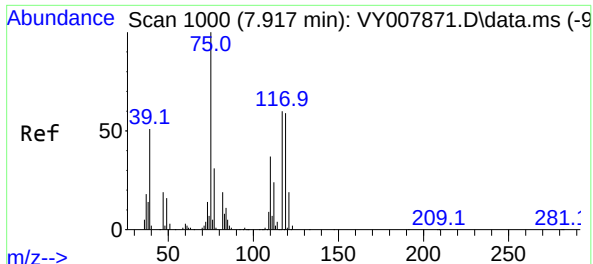
Tgt Ion:114 Resp: 452441
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.470 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion:113 Resp: 141302
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 17.3 17.6 26.4#

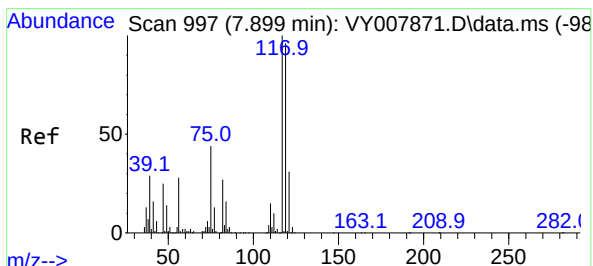
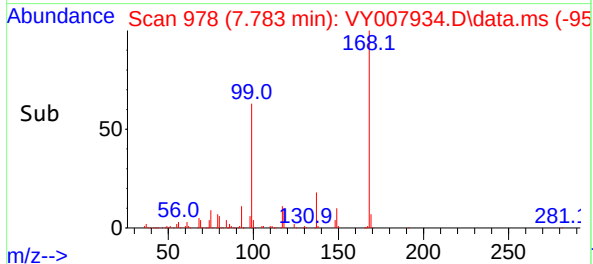
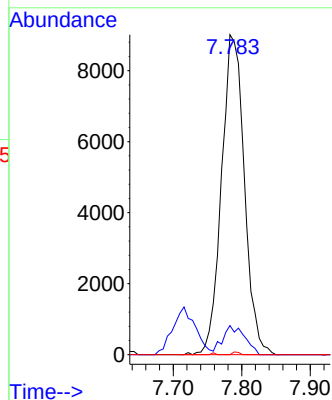
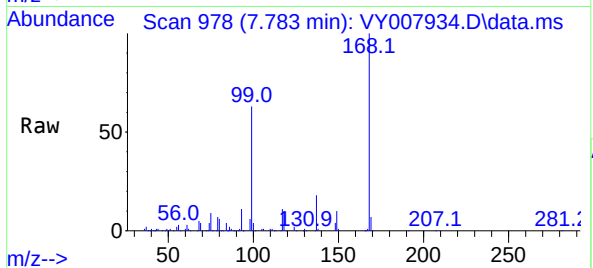




#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

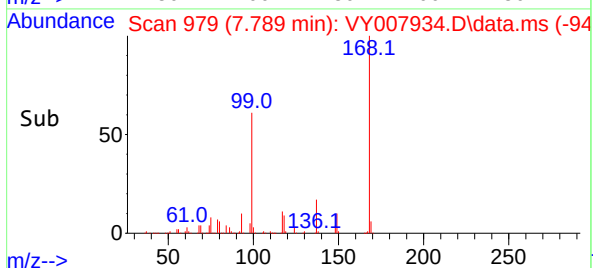
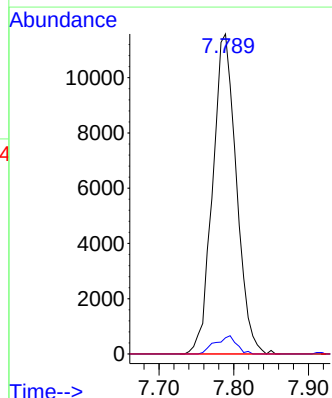
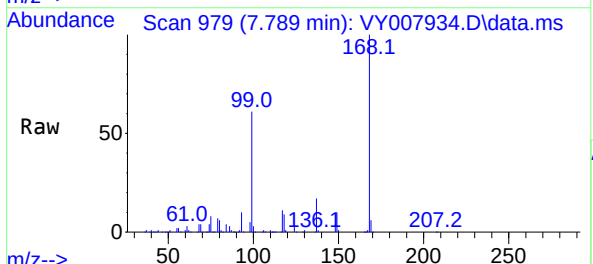
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

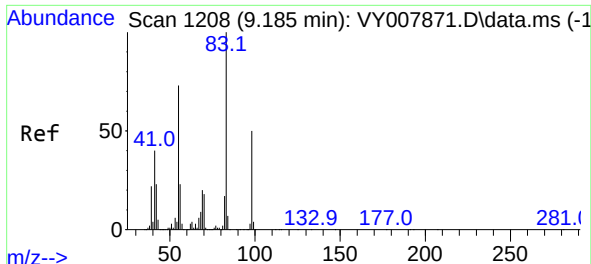
Tgt Ion: 75 Resp: 20825
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.077 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 117 Resp: 25566
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007934.D

Acq: 19 Mar 2022 05:10

Instrument :

MSVOA_Y

ClientSampleId :

C-14-13-14

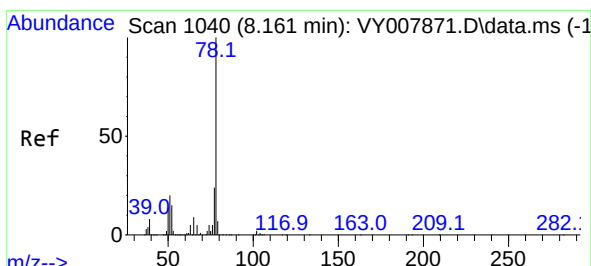
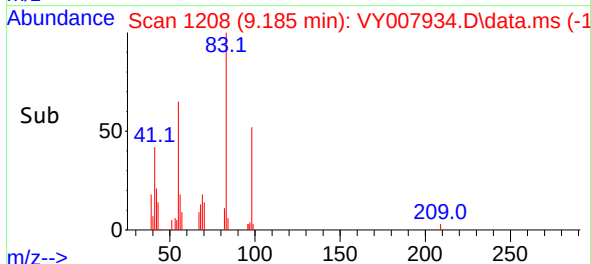
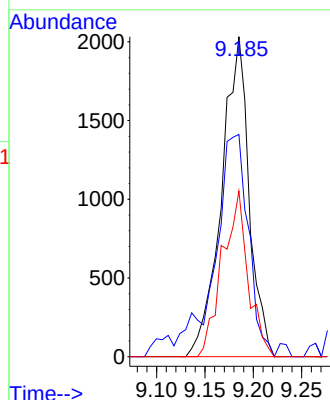
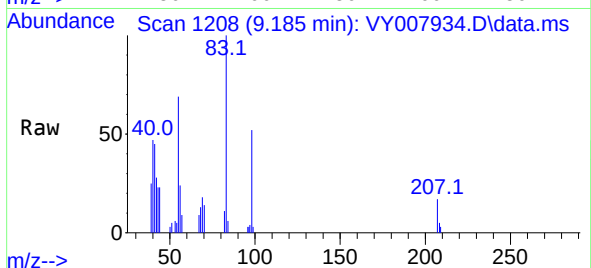
Tgt Ion: 83 Resp: 4048

Ion Ratio Lower Upper

83 100

55 65.4 66.5 99.7#

98 51.7 37.9 56.9



#40

Benzene

Concen: 3.178 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY007934.D

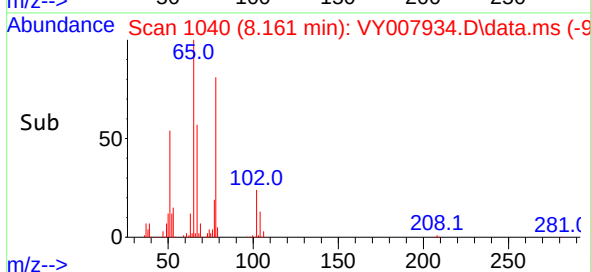
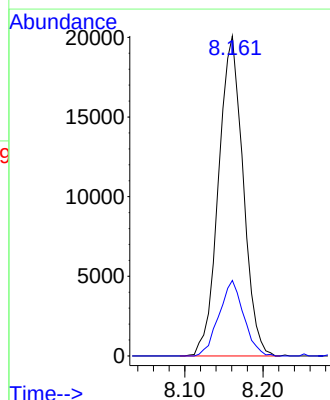
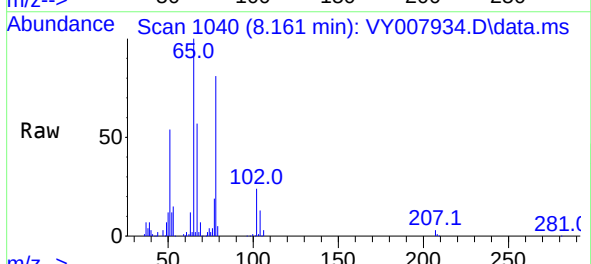
Acq: 19 Mar 2022 05:10

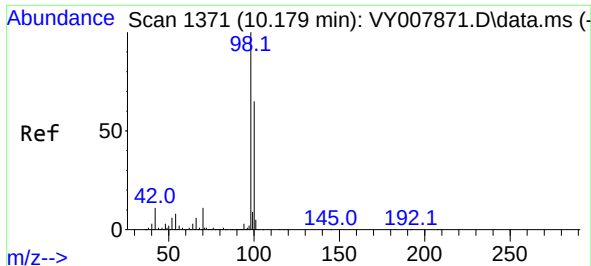
Tgt Ion: 78 Resp: 43772

Ion Ratio Lower Upper

78 100

77 23.6 20.4 30.6

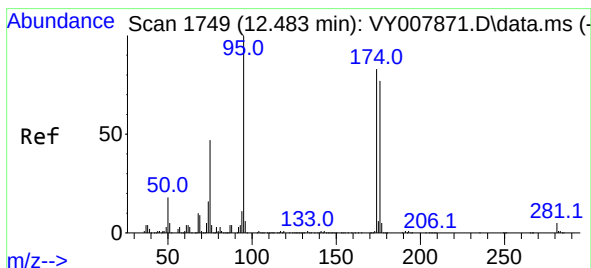
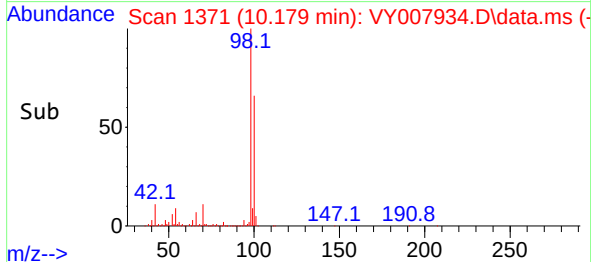
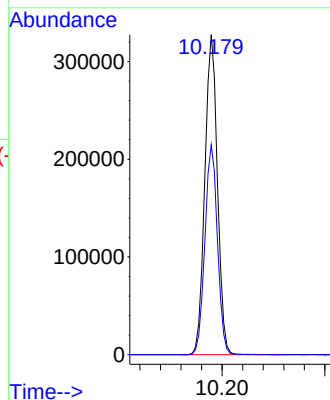
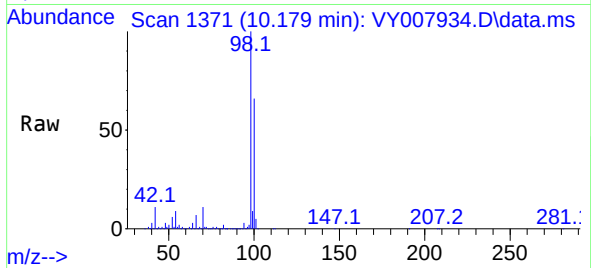




#50
Toluene-d8
Concen: 58.979 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

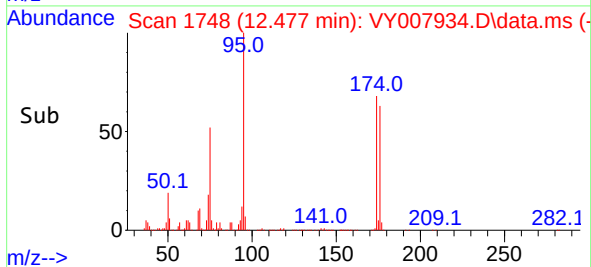
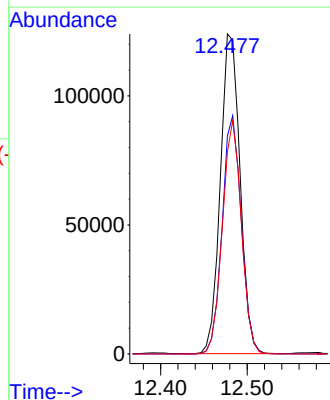
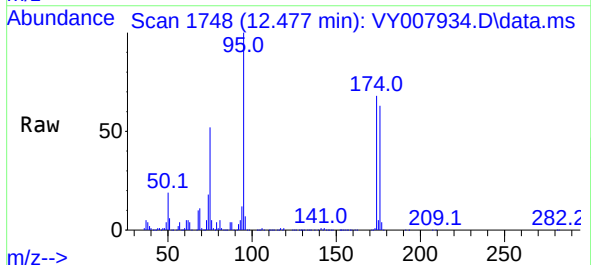
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

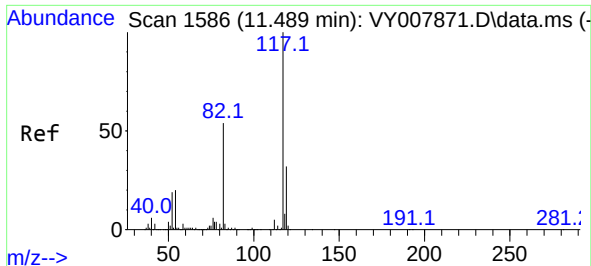
Tgt Ion: 98 Resp: 555759
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.868 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 95 Resp: 195491
Ion Ratio Lower Upper
95 100
174 72.5 0.0 177.0
176 70.4 0.0 175.8

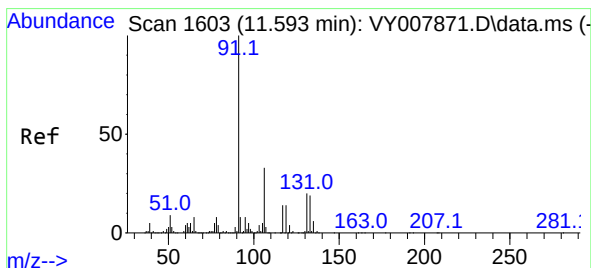
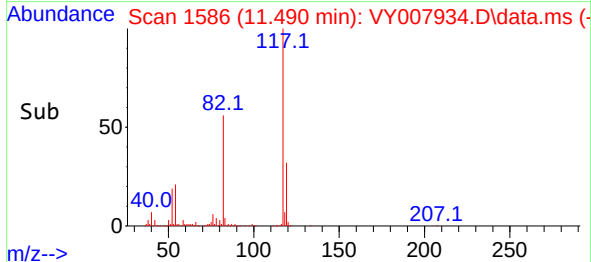
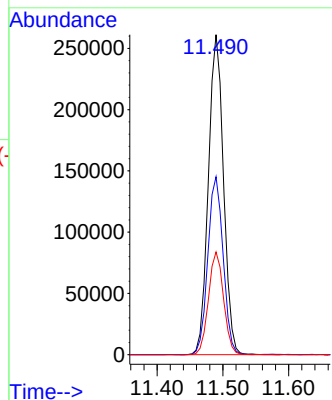
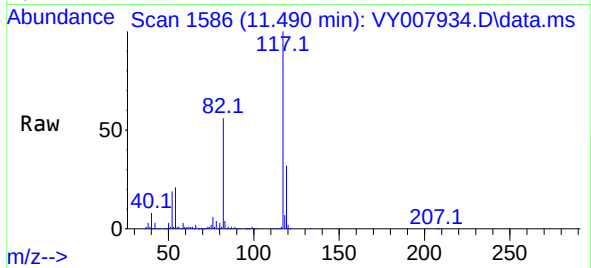




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

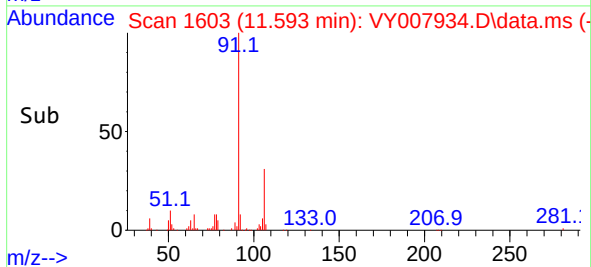
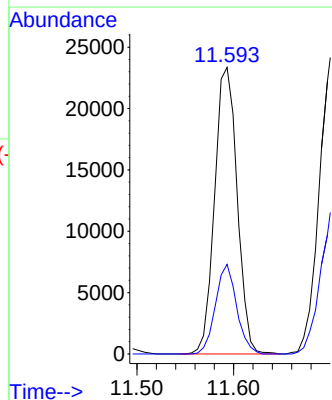
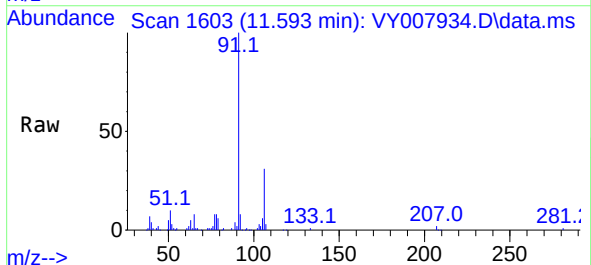
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

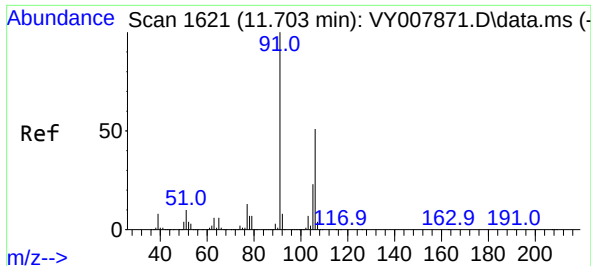
Tgt Ion:117 Resp: 418419
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 2.116 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 91 Resp: 37786
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7

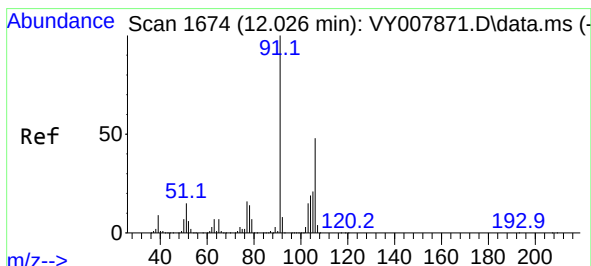
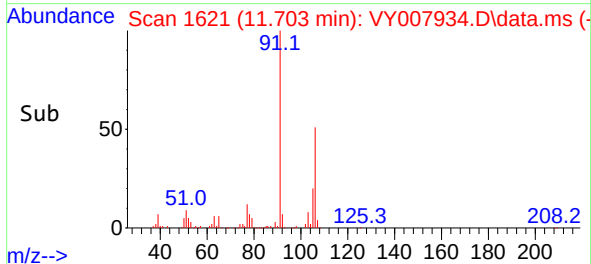
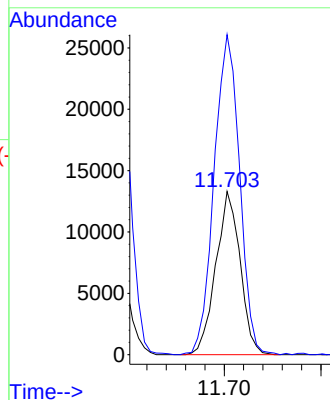
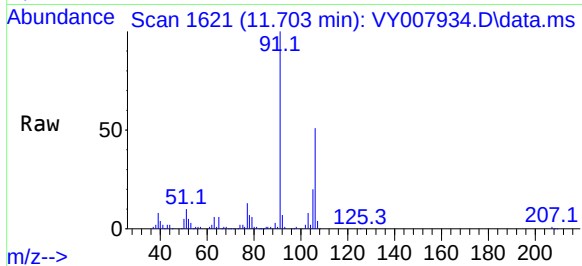




#68
m/p-Xylenes
Concen: 3.328 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

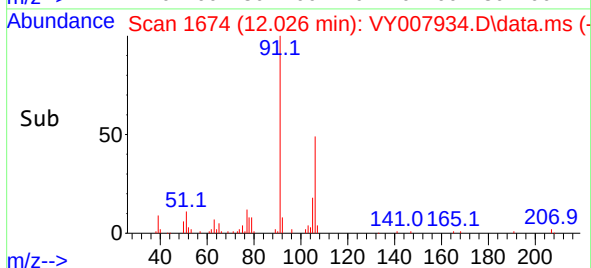
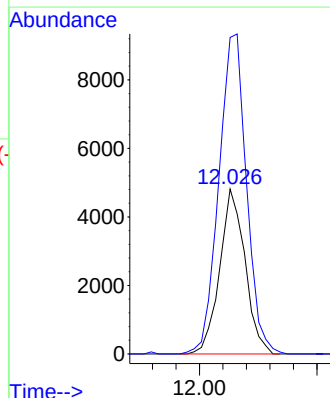
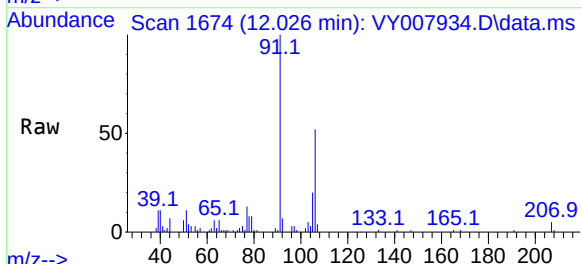
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

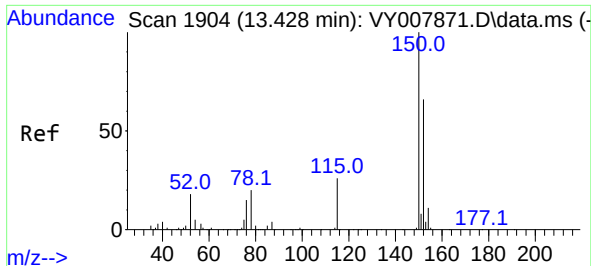
Tgt Ion:106 Resp: 23178
Ion Ratio Lower Upper
106 100
91 205.9 166.6 249.8



#69
o-Xylene
Concen: 1.069 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion:106 Resp: 7204
Ion Ratio Lower Upper
106 100
91 211.7 110.3 331.0

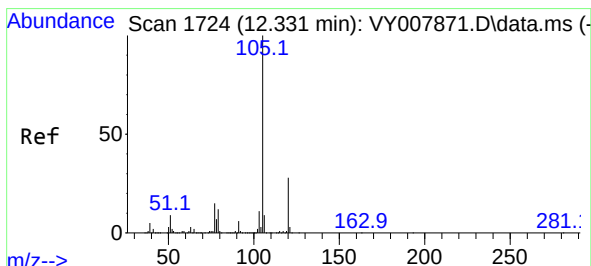
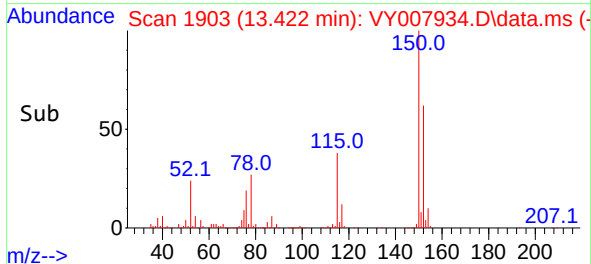
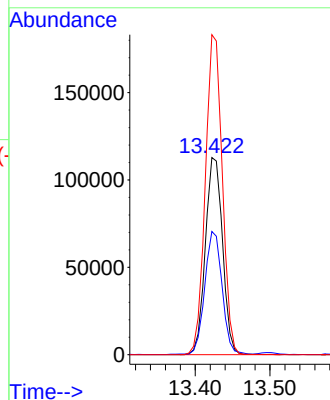
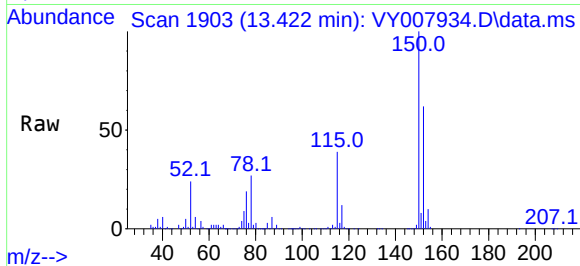




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

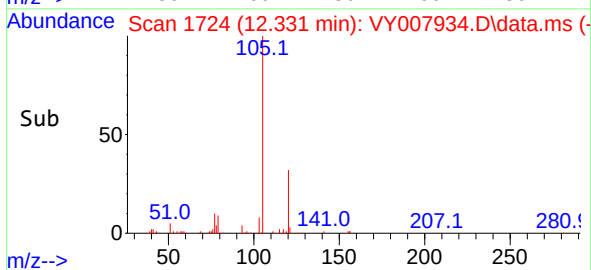
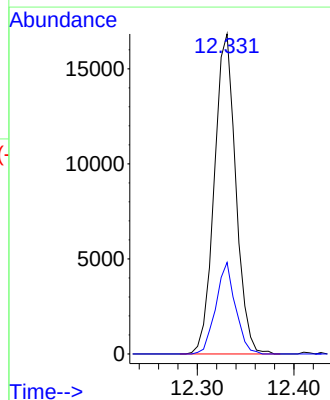
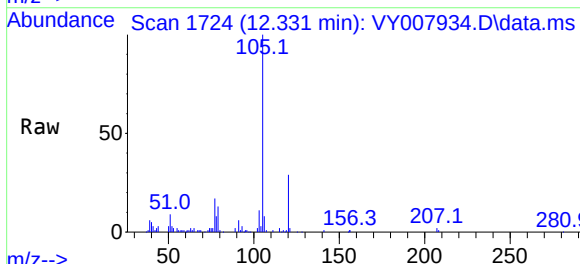
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

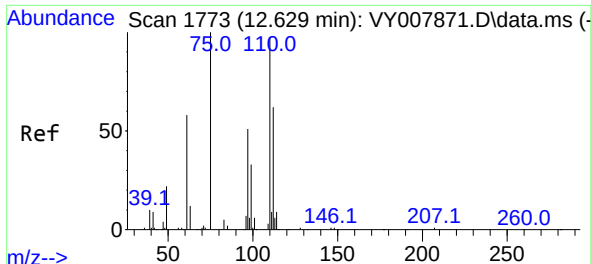
Tgt Ion:152 Resp: 180150
Ion Ratio Lower Upper
152 100
115 63.2 28.2 84.7
150 159.9 0.0 347.6



#73
Isopropylbenzene
Concen: 1.636 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion:105 Resp: 25936
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2

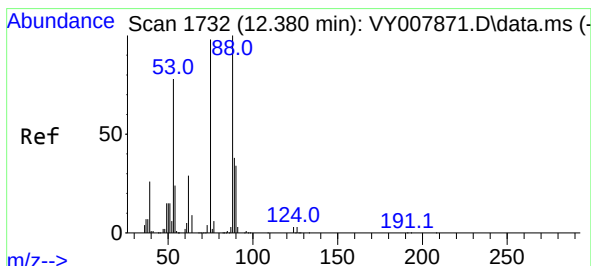
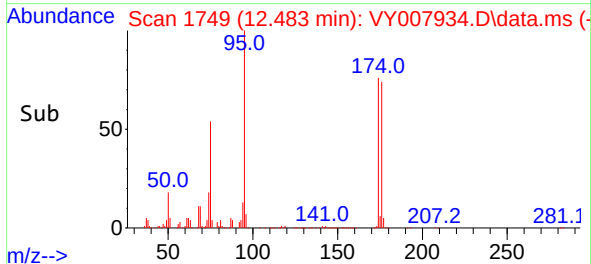
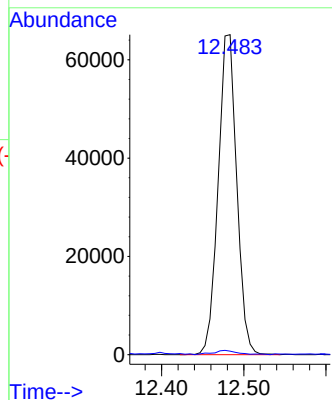
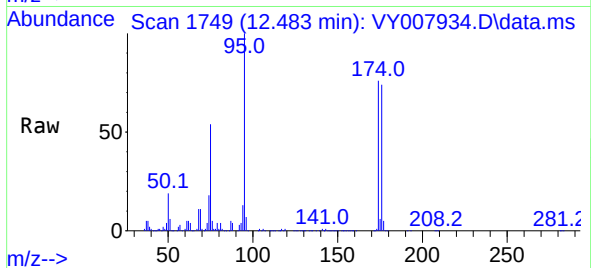




#76
1,2,3-Trichloropropane
Concen: 39.852 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

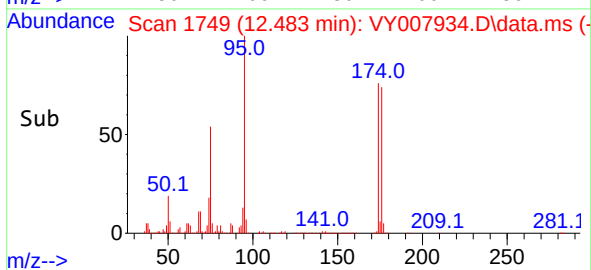
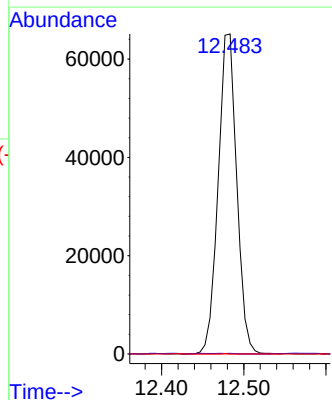
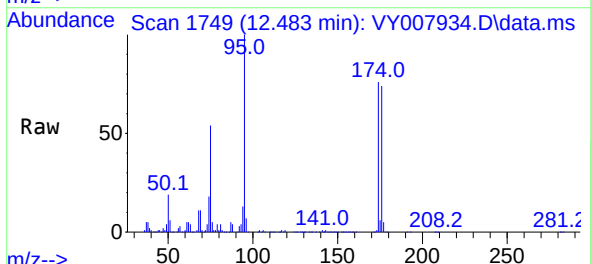
Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

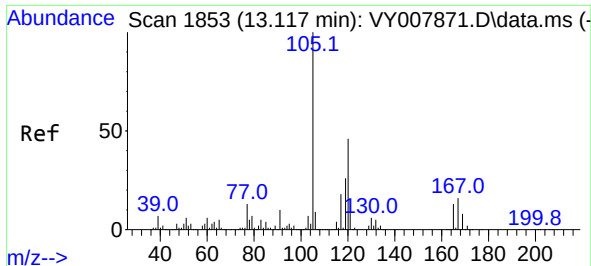
Tgt Ion: 75 Resp: 102329
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.705 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion: 75 Resp: 102329
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#

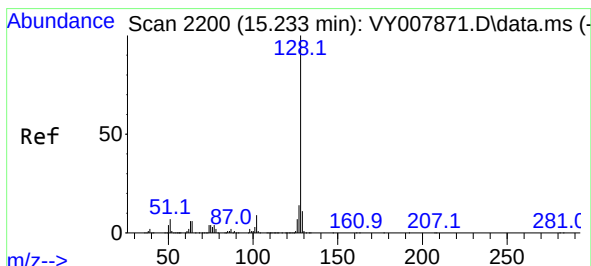
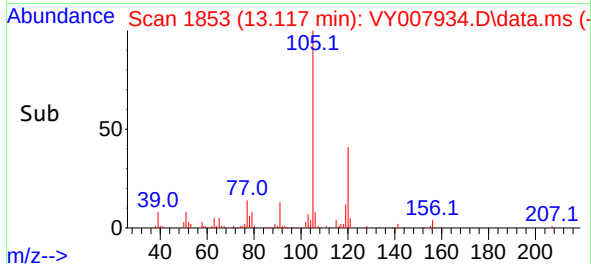
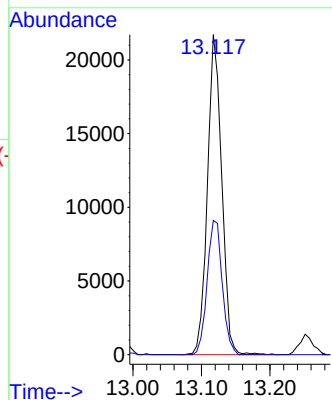
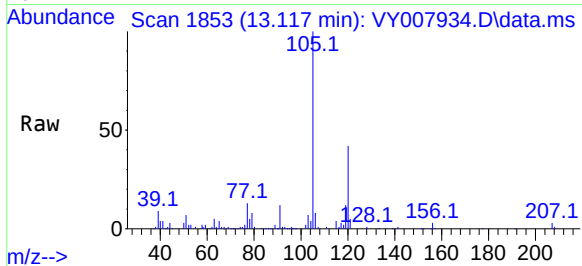




#84
1,2,4-Trimethylbenzene
Concen: 2.467 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Instrument :
MSVOA_Y
ClientSampleId :
C-14-13-14

Tgt Ion:105 Resp: 31537
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.9



#95
Naphthalene
Concen: 167.621 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY007934.D
Acq: 19 Mar 2022 05:10

Tgt Ion:128 Resp: 1504888
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.0 8.4 12.6

