

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009276.D
 Acq On : 22 Jun 2022 16:56
 Operator : KP/MD
 Sample : N3430-01
 Misc : 3.54/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-0-2-20220621

Quant Time: Jun 23 01:56:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

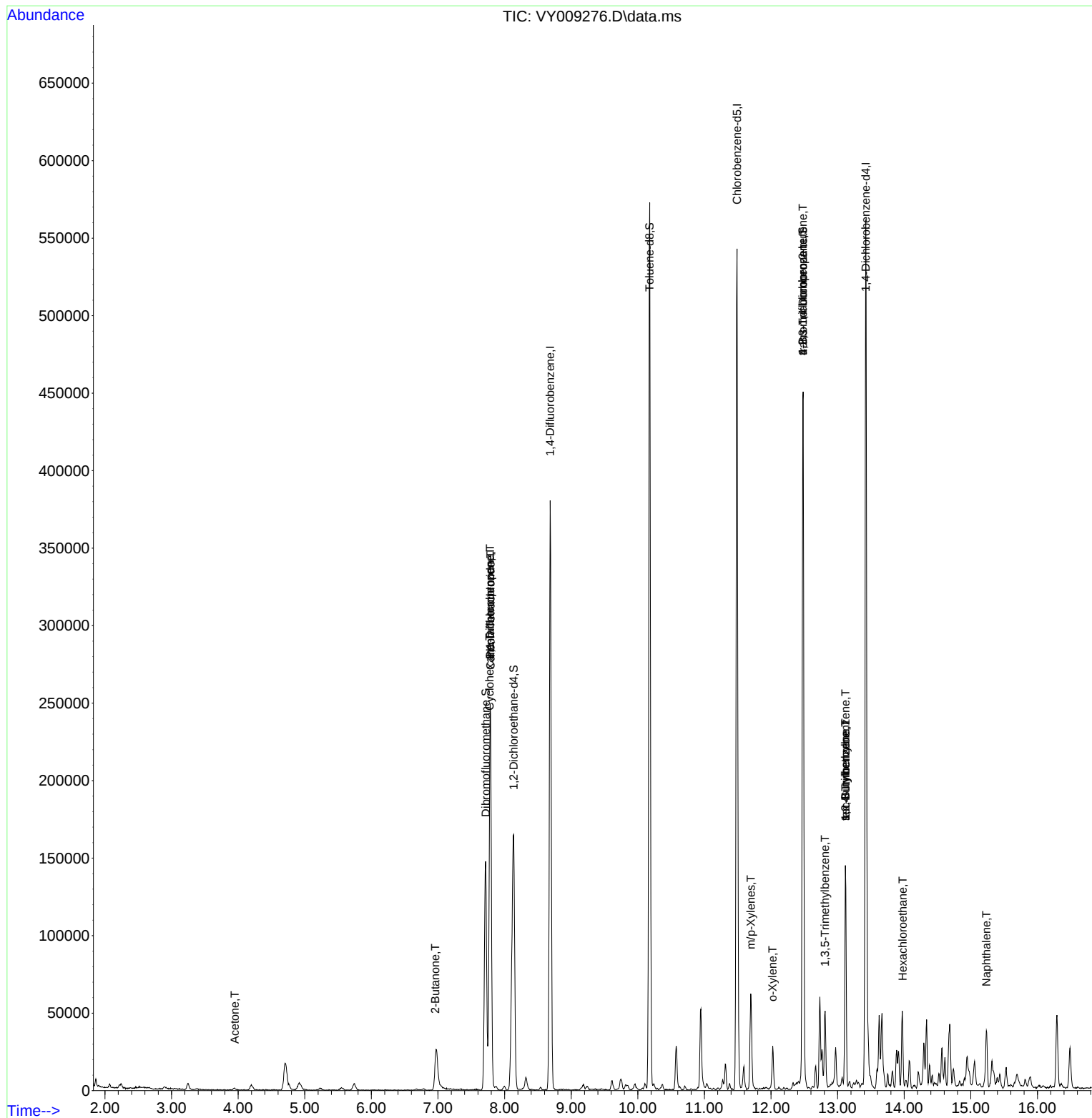
Internal Standards						
1) Pentafluorobenzene	7.783	168	209967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104463	45.30	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.60%
35) Dibromofluoromethane	7.716	113	101508	47.62	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.24%
50) Toluene-d8	10.179	98	369556	45.13	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.26%
62) 4-Bromofluorobenzene	12.477	95	133477	46.39	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.78%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	5074	Below Cal	#	79
16) Acetone	3.948	43	2207	3.87	ug/l	95
18) Methyl Acetate	4.558	43	38	Below Cal	#	56
20) Methylene Chloride	4.710	84	13319	Below Cal		84
25) 2-Butanone	6.960	43	934	1.02	ug/l	# 76
31) Cyclohexane	7.777	56	4122	1.03	ug/l	# 23
36) 1,1-Dichloropropene	7.783	75	13830	4.26	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	19258	5.71	ug/l	# 15
68) m/p-Xylenes	11.697	106	18484	3.93	ug/l	89
69) o-Xylene	12.026	106	7172	1.61	ug/l	87
76) 1,2,3-Trichloropropane	12.477	75	65975	37.41	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.812	105	21138	2.16	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	65975	79.33	ug/l	# 7
83) tert-Butylbenzene	13.117	119	9277	1.09	ug/l	# 69
84) 1,2,4-Trimethylbenzene	13.117	105	75337	7.85	ug/l	95
85) sec-Butylbenzene	13.117	105	75337	5.89	ug/l	# 56
90) Hexachloroethane	13.977	117	2274	1.13	ug/l	# 6
95) Naphthalene	15.233	128	30570	5.00	ug/l	99

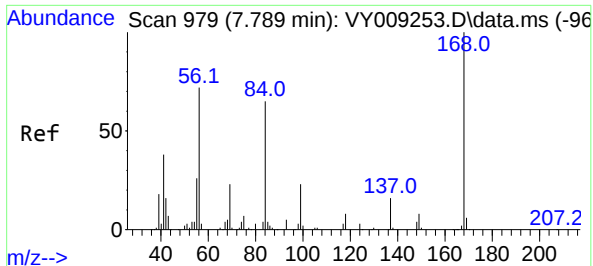
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-4-0-2-20220621

Quant Time: Jun 23 01:56:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 21 14:08:27 2022
Response via : Initial Calibration

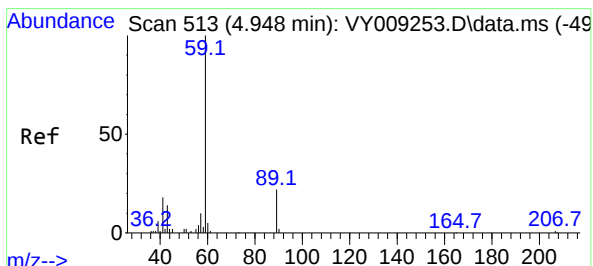
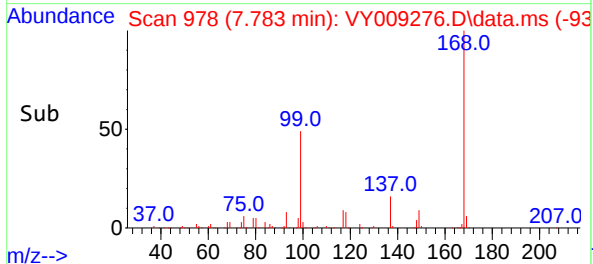
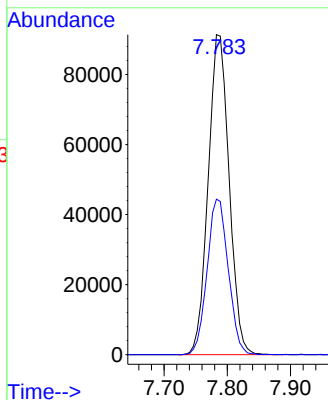
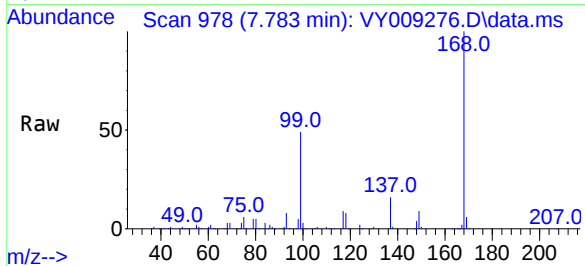




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

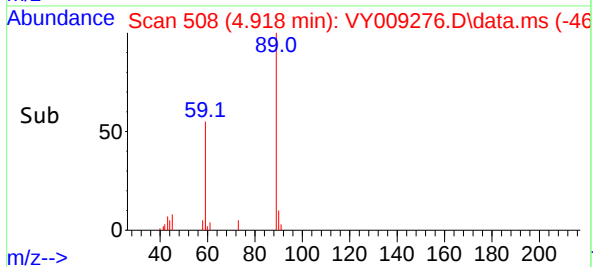
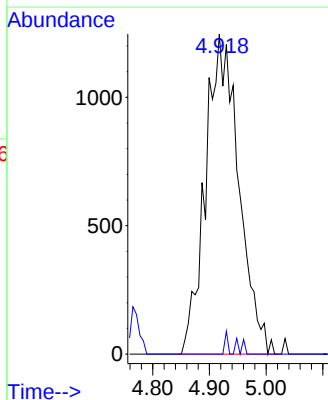
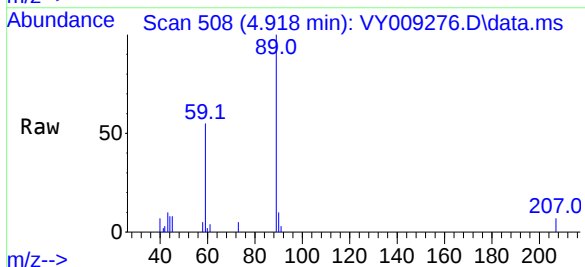
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

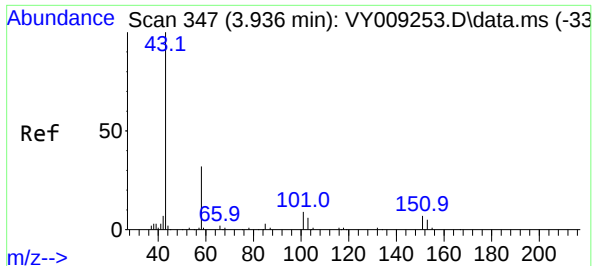
Tgt Ion:168 Resp: 209967
Ion Ratio Lower Upper
168 100
99 48.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 59 Resp: 5074
Ion Ratio Lower Upper
59 100
57 0.7 6.4 9.6#

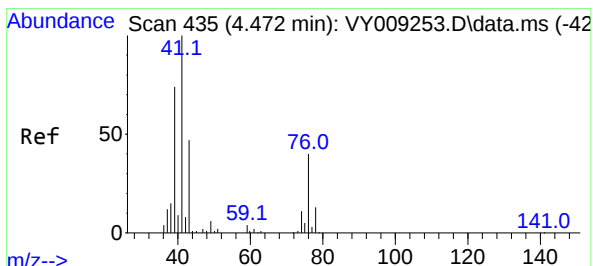
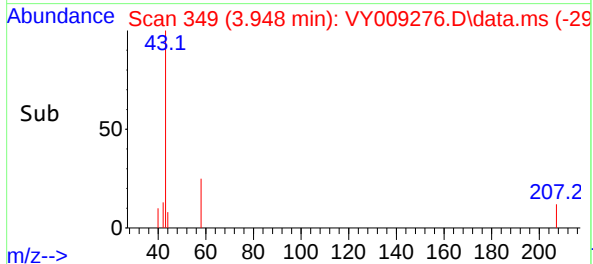
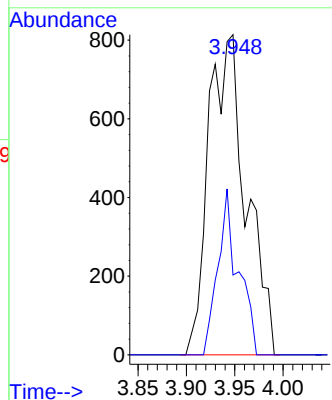
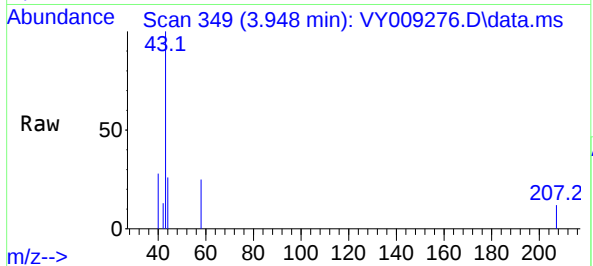




#16
Acetone
Concen: 3.87 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

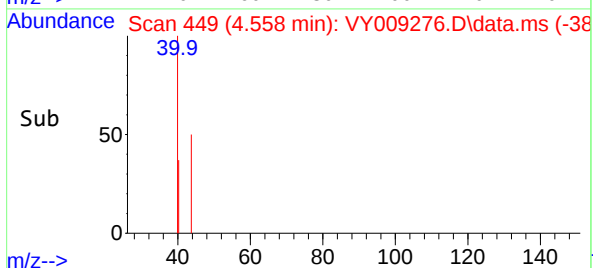
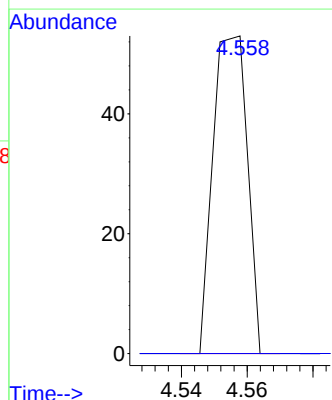
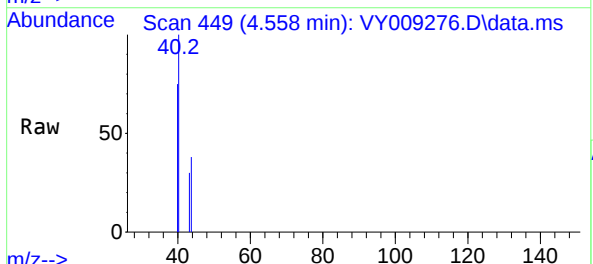
Instrument :
MSVOA_Y
ClientSampleId :
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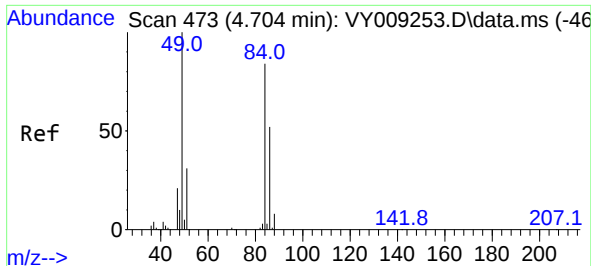
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
58 24.9 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.558 min Scan# 449
Delta R.T. 0.086 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 43 Resp: 38
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

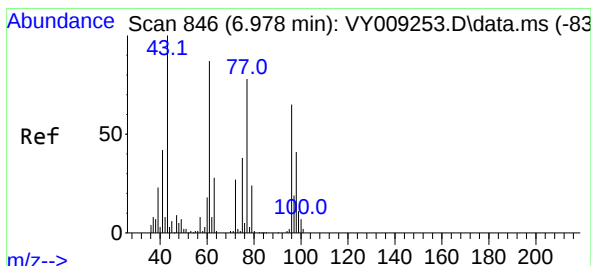
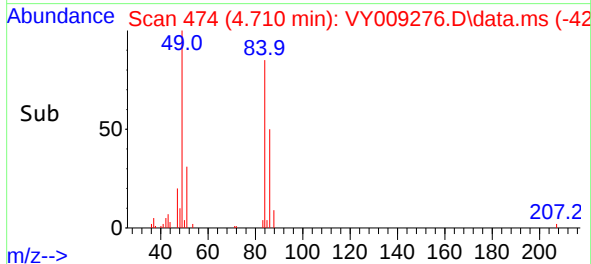
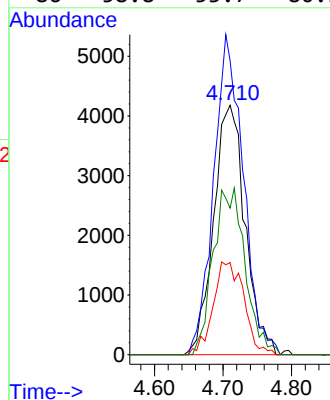
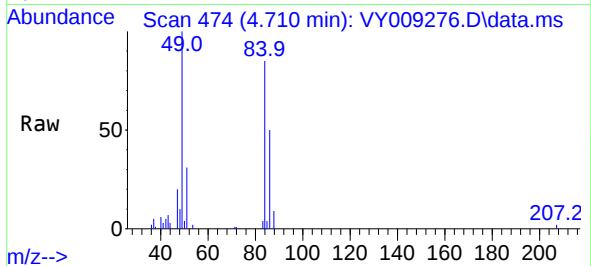




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

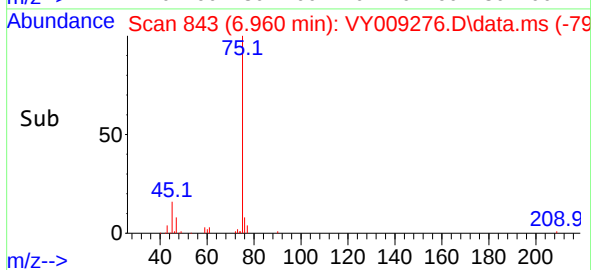
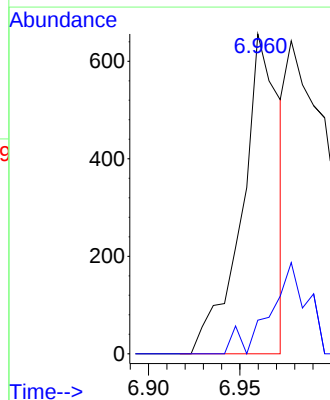
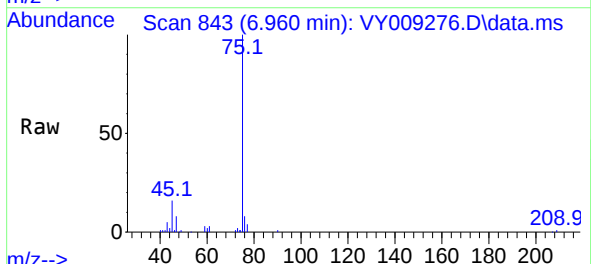
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

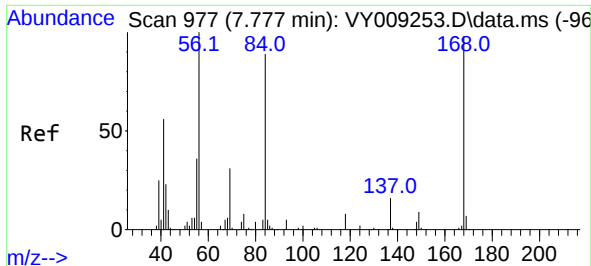
Tgt Ion: 84 Resp: 13319
Ion Ratio Lower Upper
84 100
49 117.8 114.4 171.6
51 37.0 35.3 52.9
86 58.8 53.7 80.5



#25
2-Butanone
Concen: 1.02 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.018 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
72 10.5 17.7 26.5#

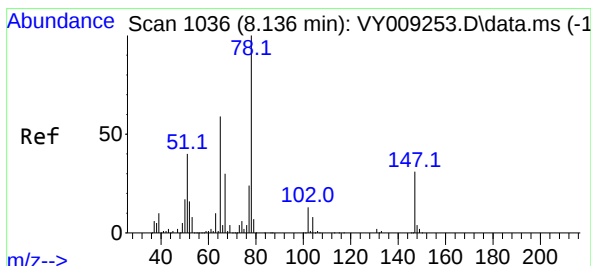
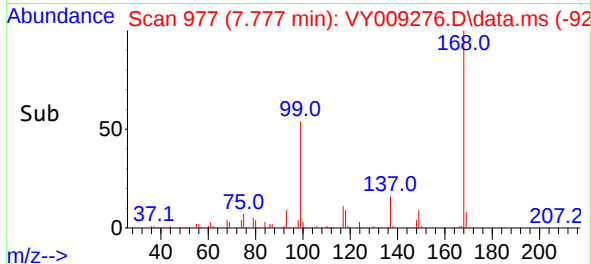
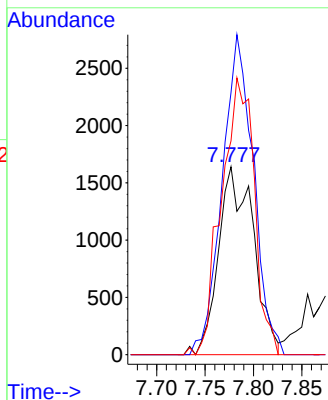
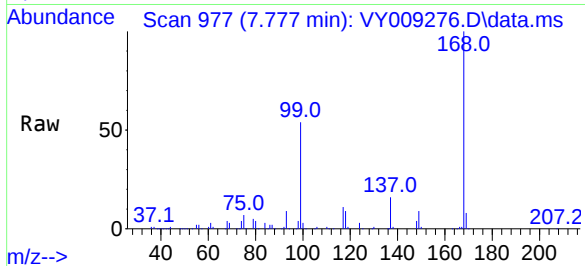




#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

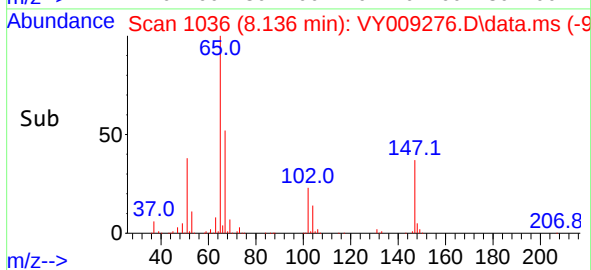
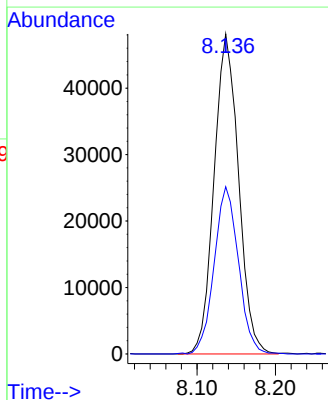
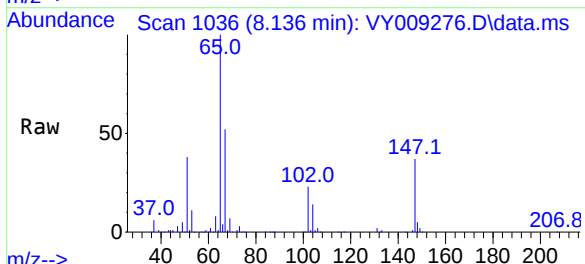
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

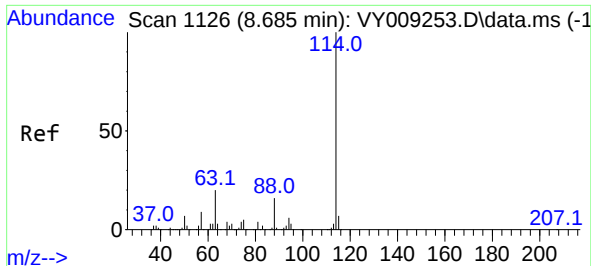
Tgt Ion: 56 Resp: 4122
Ion Ratio Lower Upper
56 100
69 139.5 26.7 40.1#
84 113.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 45.30 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 65 Resp: 104463
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-0-2-20220621

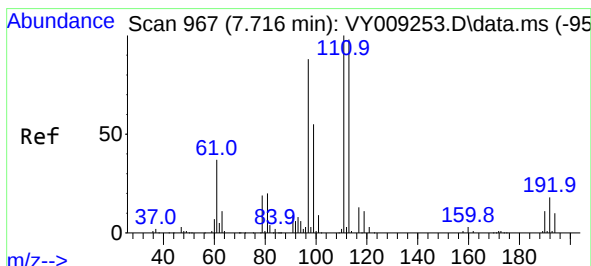
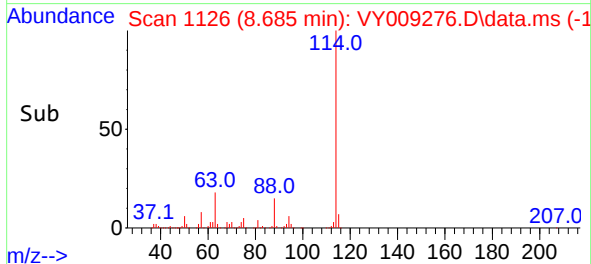
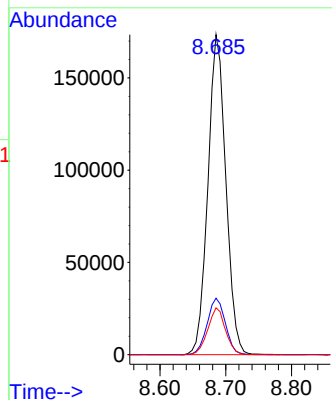
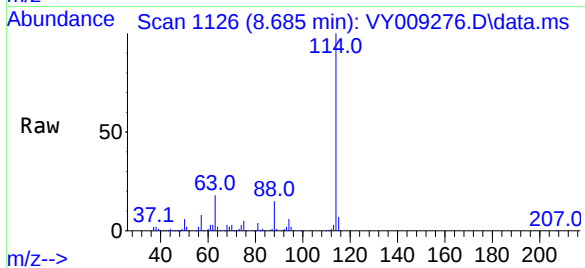
Tgt Ion:114 Resp: 329163

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.62 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009276.D

Acq: 22 Jun 2022 16:56

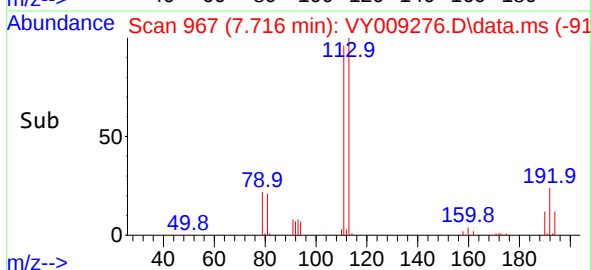
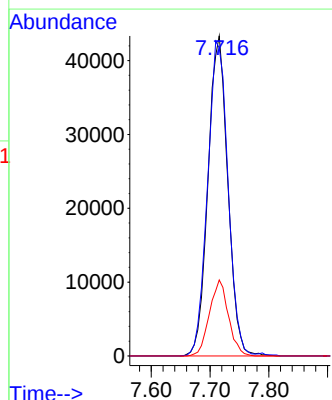
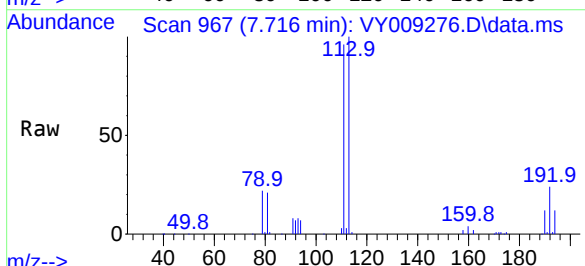
Tgt Ion:113 Resp: 101508

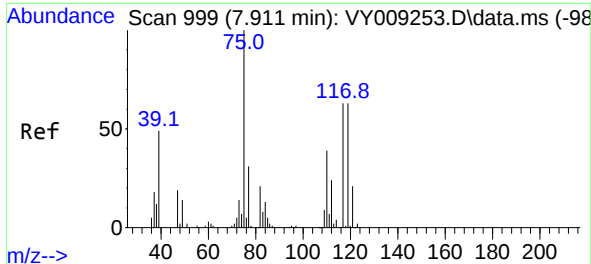
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 22.7 17.6 26.4

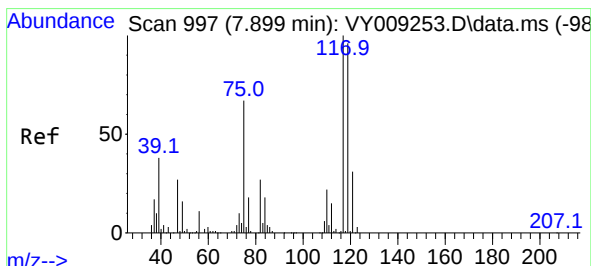
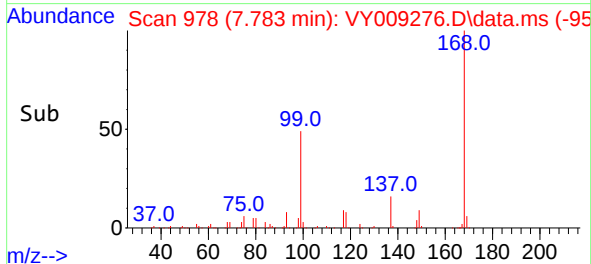
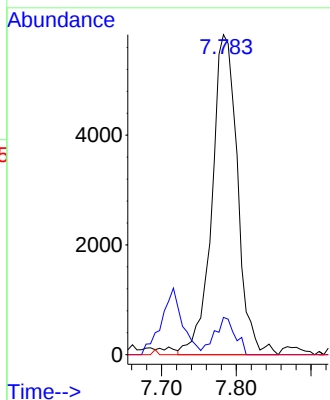
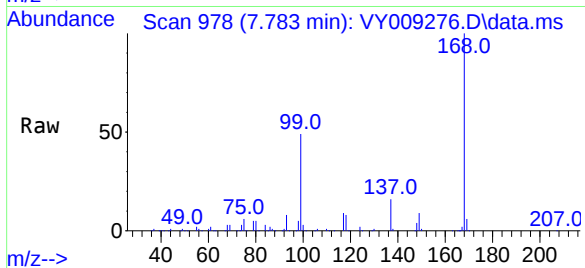




#36
1,1-Dichloropropene
Concen: 4.26 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

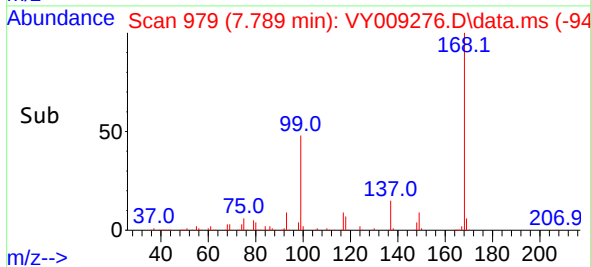
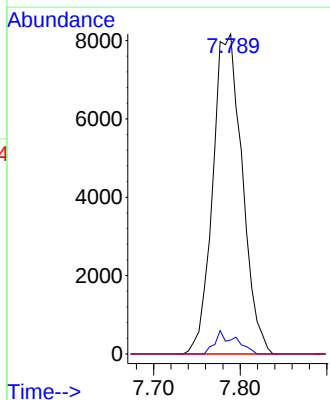
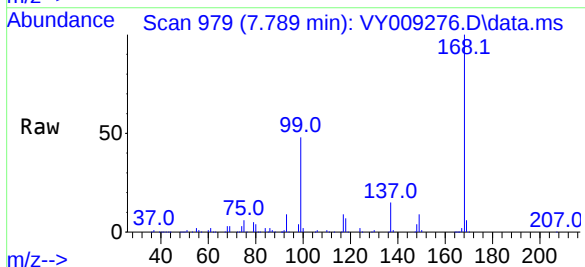
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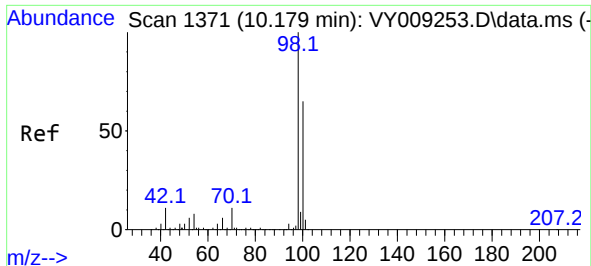
Tgt Ion: 75 Resp: 13830
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 117 Resp: 19258
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#

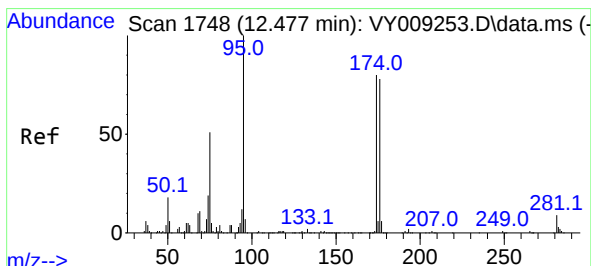
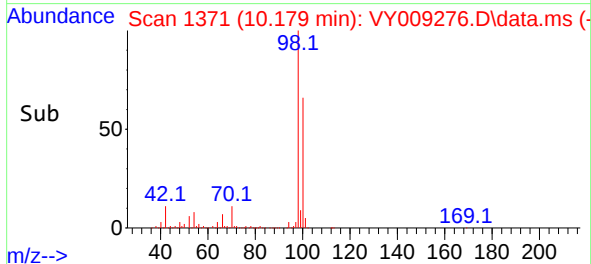
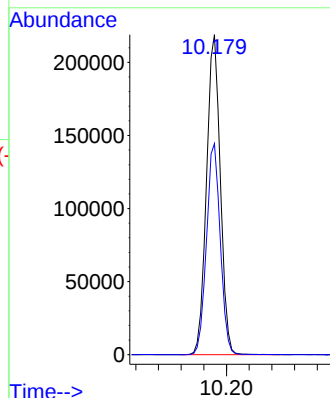
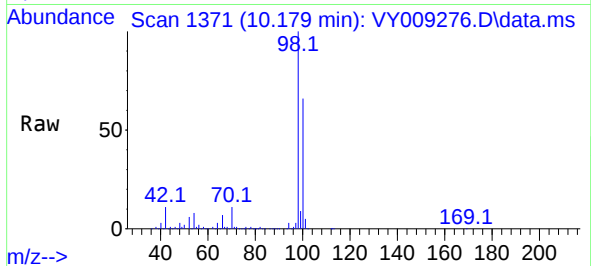




#50
Toluene-d8
Concen: 45.13 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

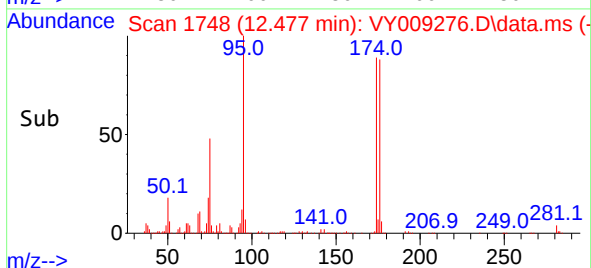
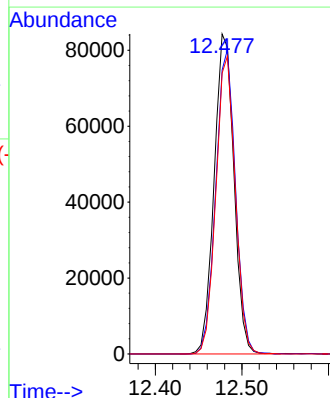
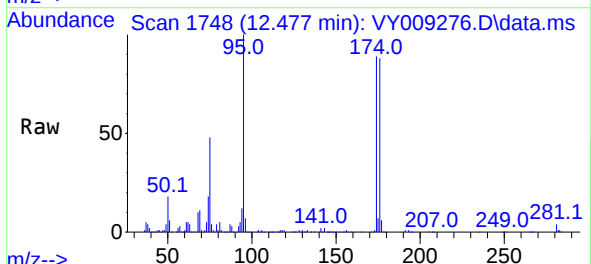
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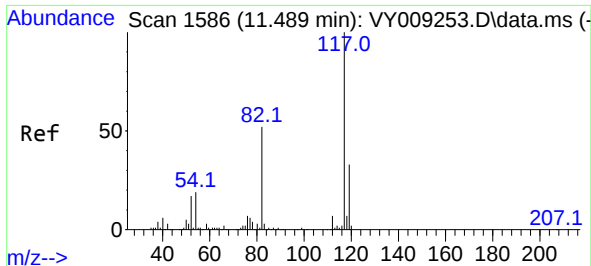
Tgt Ion: 98 Resp: 369556
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.39 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

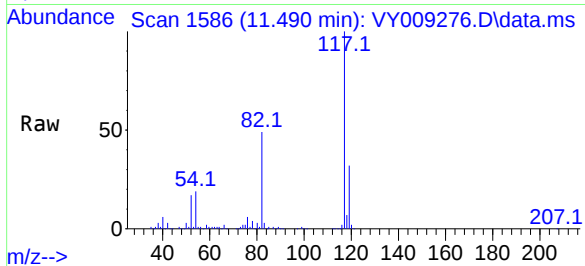
Tgt Ion: 95 Resp: 133477
Ion Ratio Lower Upper
95 100
174 94.6 0.0 177.0
176 91.3 0.0 175.8



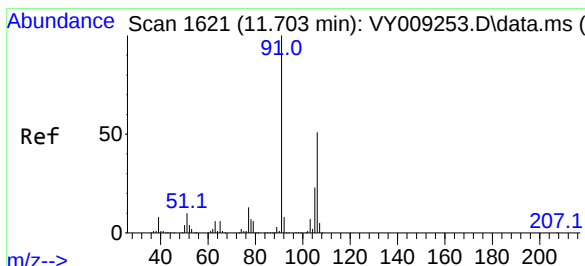
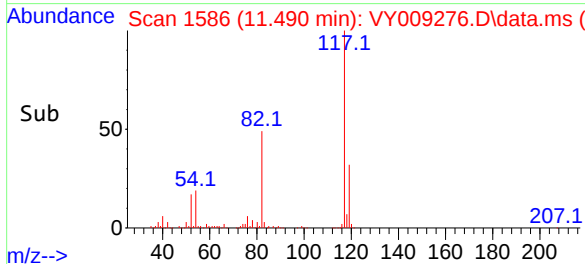
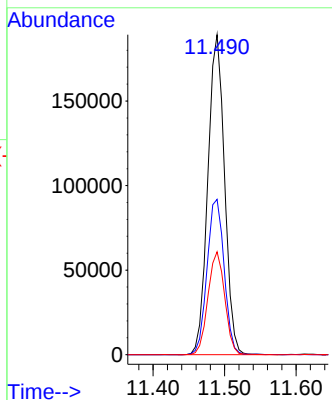


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

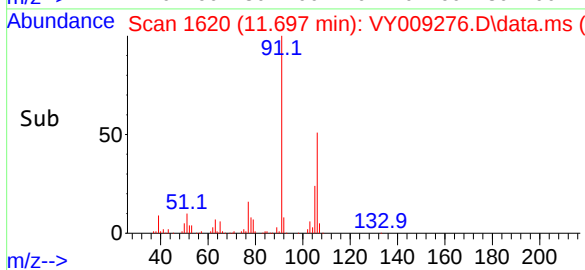
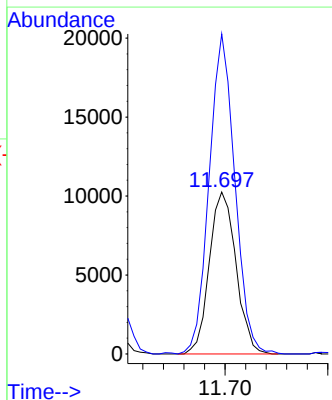
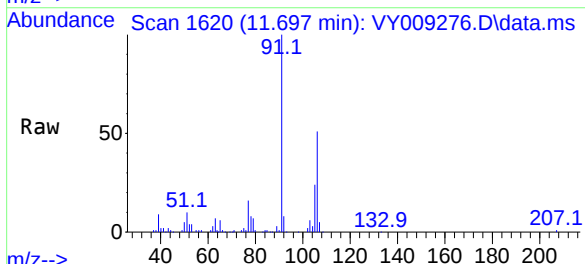


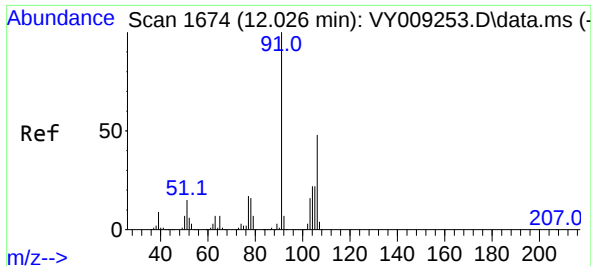
Tgt Ion:117 Resp: 306634
Ion Ratio Lower Upper
117 100
82 48.6 43.0 64.4
119 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 3.93 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion:106 Resp: 18484
Ion Ratio Lower Upper
106 100
91 190.5 166.6 249.8

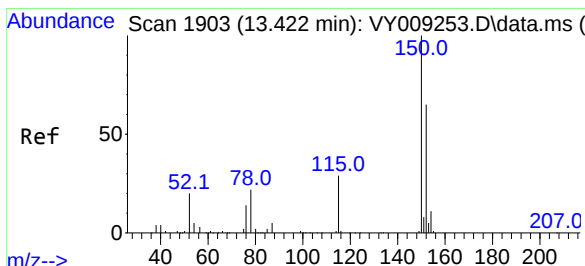
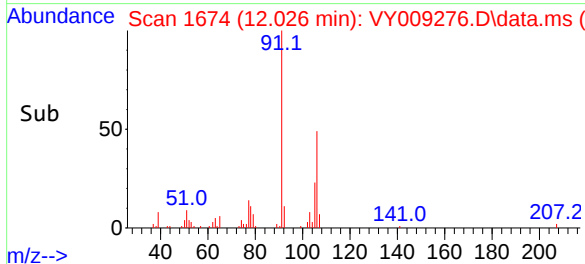
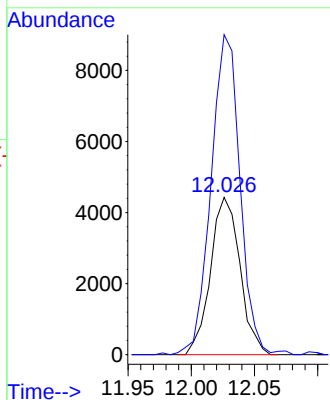
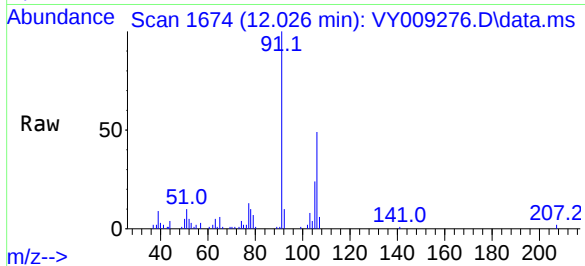




#69
o-Xylene
Concen: 1.61 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

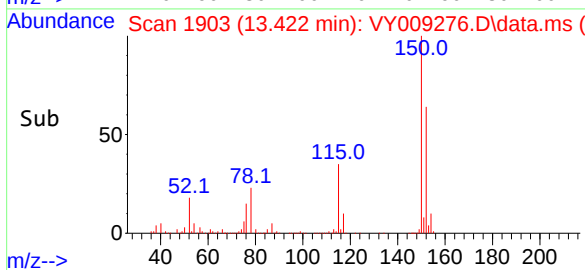
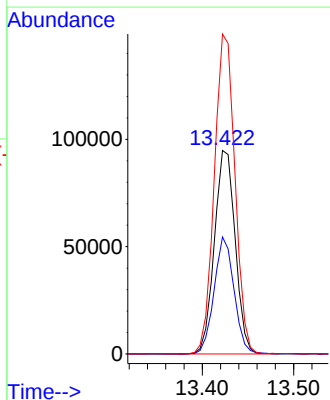
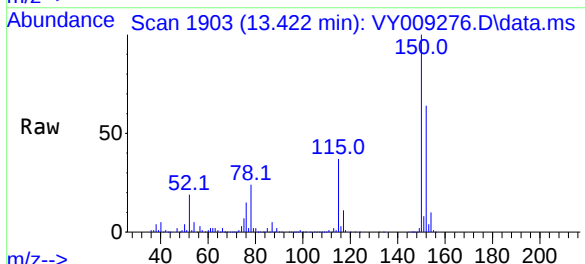
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

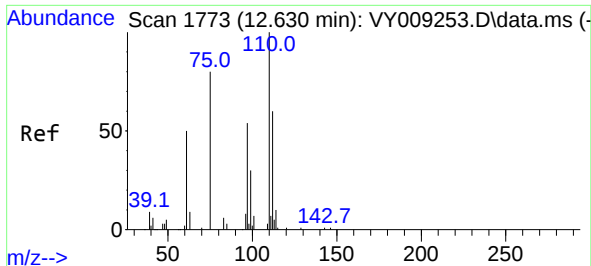
Tgt Ion:106 Resp: 7172
Ion Ratio Lower Upper
106 100
91 200.3 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion:152 Resp: 150416
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 155.9 0.0 347.6

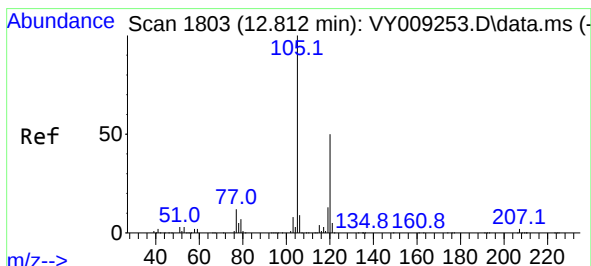
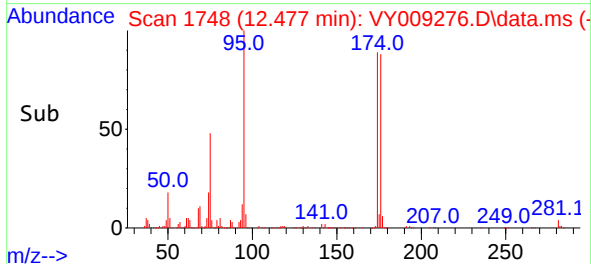
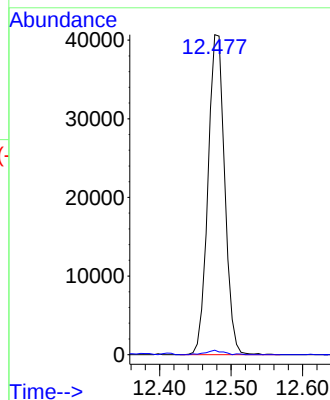
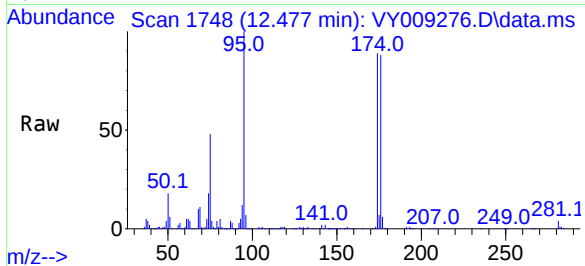




#76
1,2,3-Trichloropropane
Concen: 37.41 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

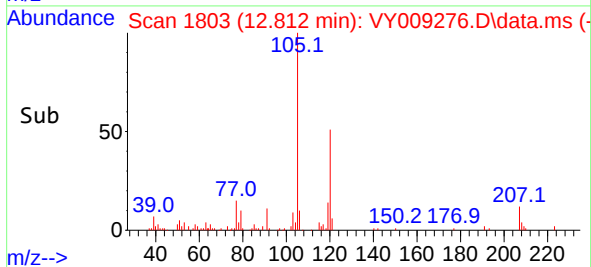
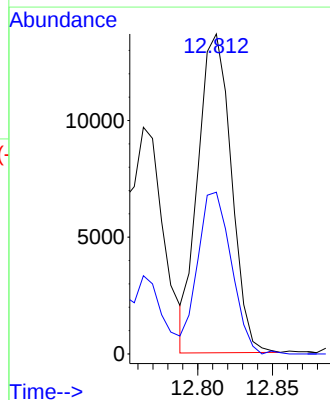
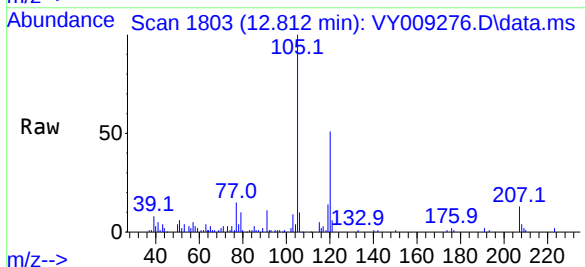
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

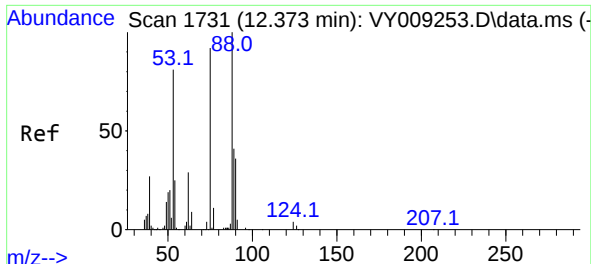
Tgt Ion: 75 Resp: 65975
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.16 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 105 Resp: 21138
Ion Ratio Lower Upper
105 100
120 51.5 24.4 73.4

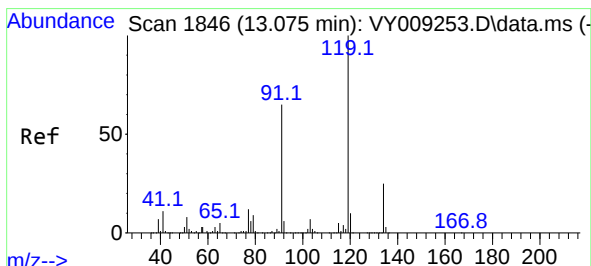
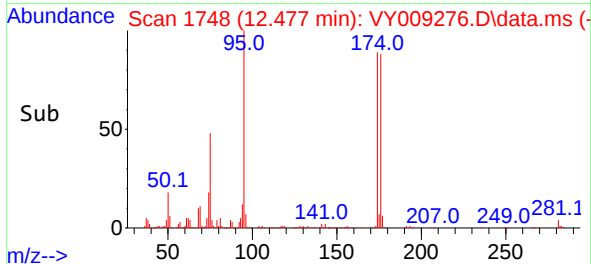
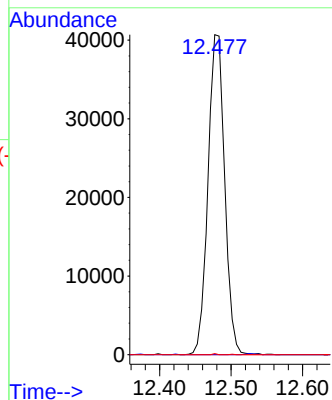
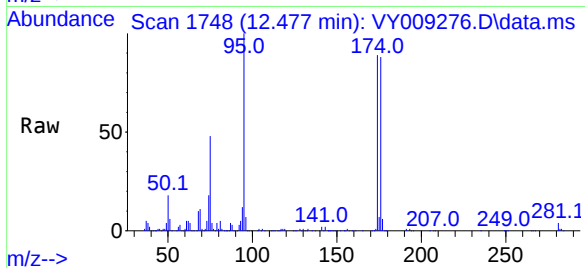




#81
trans-1,4-Dichloro-2-butene
Concen: 79.33 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

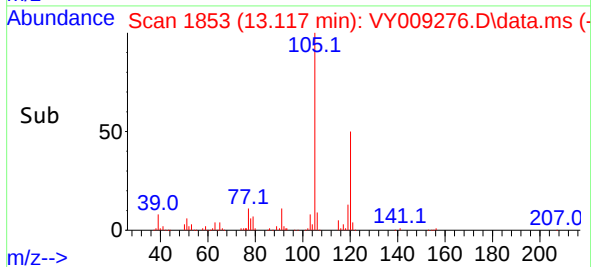
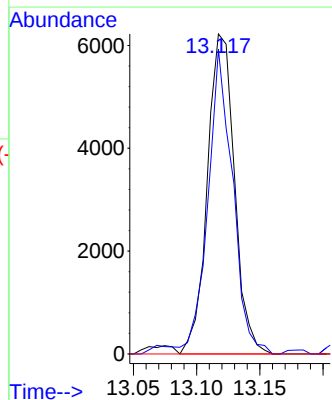
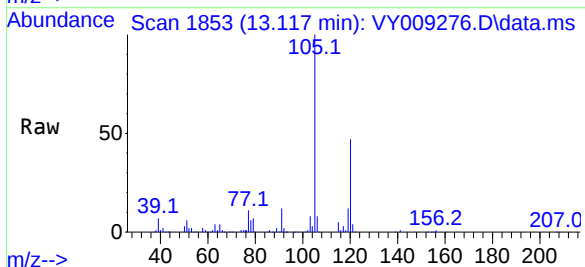
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

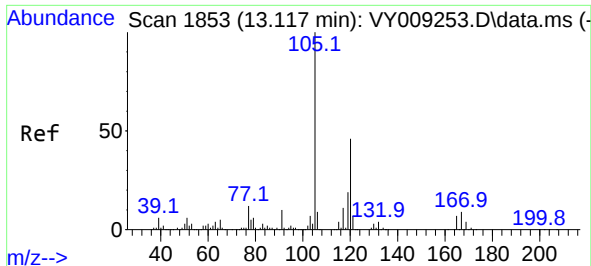
Tgt Ion: 75 Resp: 65975
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#83
tert-Butylbenzene
Concen: 1.09 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.042 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion: 119 Resp: 9277
Ion Ratio Lower Upper
119 100
91 89.0 34.8 104.4
134 0.0 13.3 39.9#

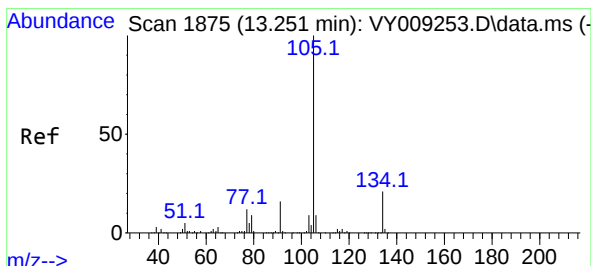
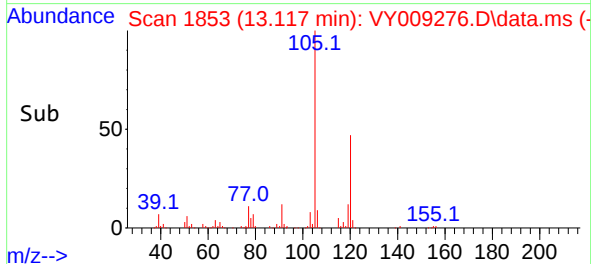
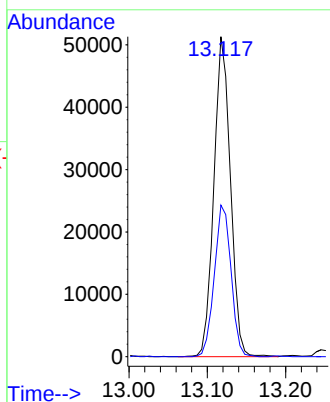
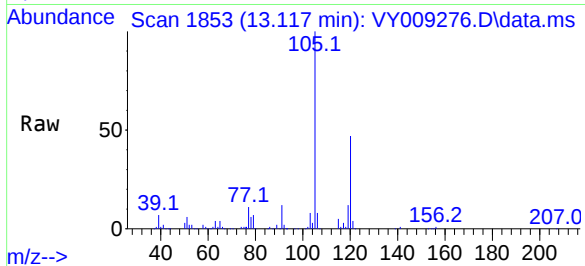




#84
1,2,4-Trimethylbenzene
Concen: 7.85 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

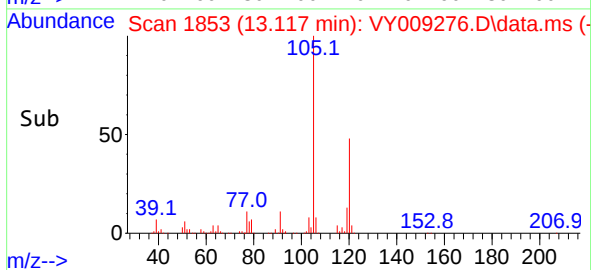
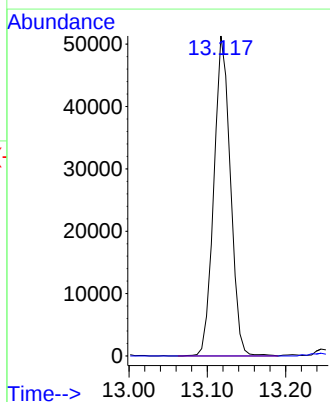
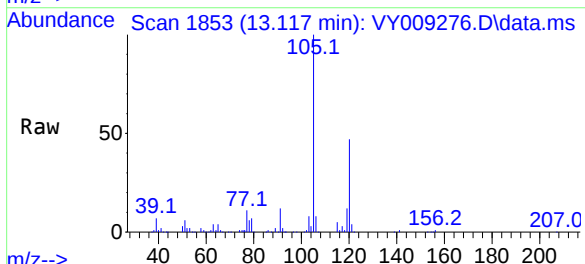
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

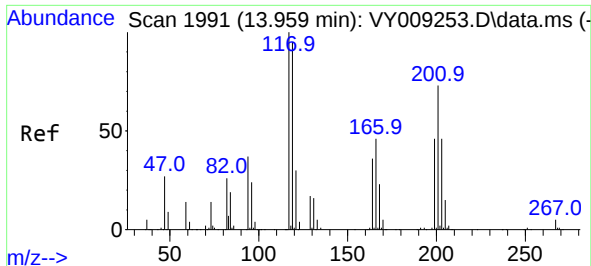
Tgt Ion:105 Resp: 75337
Ion Ratio Lower Upper
105 100
120 47.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 5.89 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion:105 Resp: 75337
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

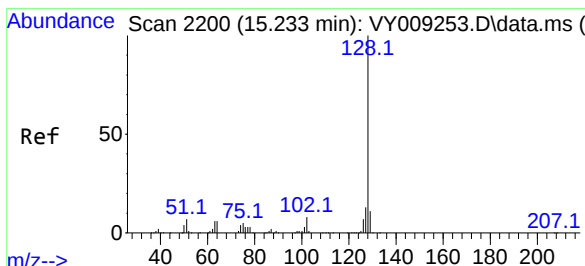
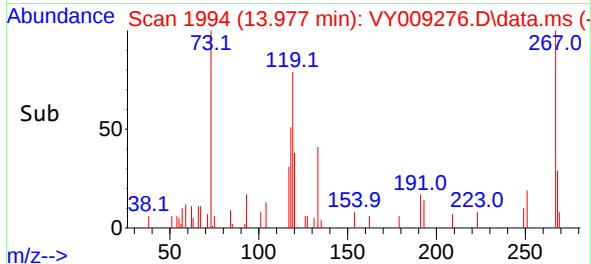
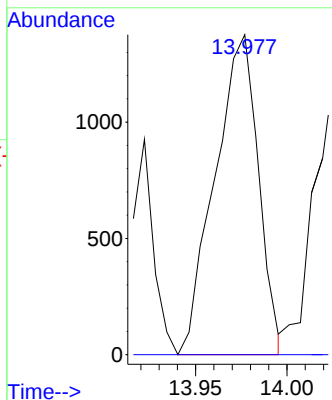
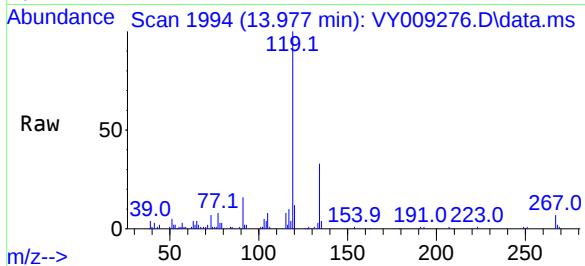




#90
Hexachloroethane
Concen: 1.13 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-0-2-20220621

Tgt Ion:117 Resp: 2274
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 5.00 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009276.D
Acq: 22 Jun 2022 16:56

Tgt Ion:128 Resp: 30570
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.4
129 10.6 8.4 12.6

