

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008053.D
 Acq On : 26 Mar 2022 17:59
 Operator : SY/MD
 Sample : N2095-12
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12-5.0-6.0

Quant Time: Mar 28 09:30:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

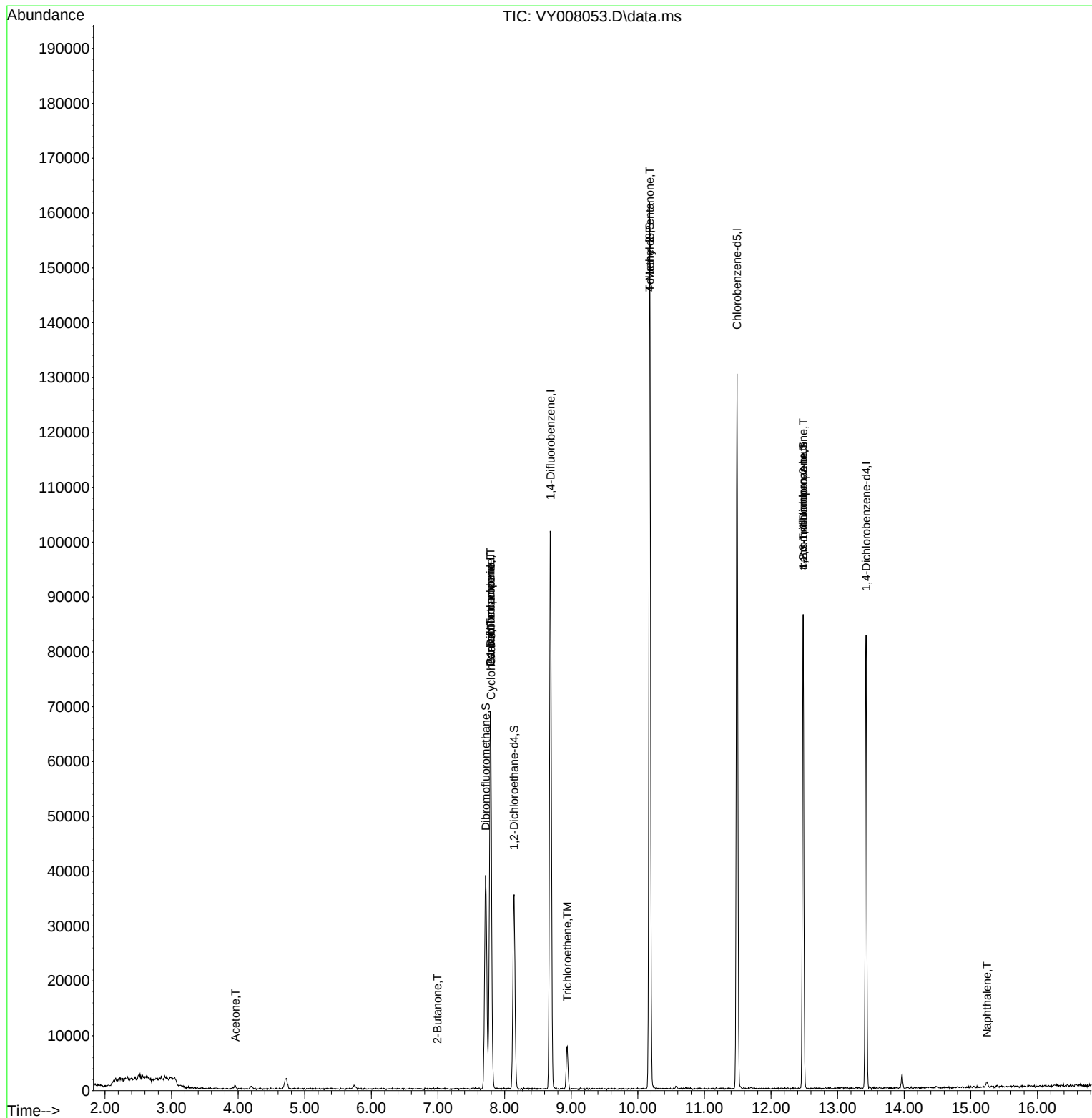
Internal Standards						
1) Pentafluorobenzene	7.789	168	52973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	90815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	70528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	27544	51.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.660%			
35) Dibromofluoromethane	7.716	113	28016	49.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.400%			
50) Toluene-d8	10.179	98	105080	48.985	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.960%			
62) 4-Bromofluorobenzene	12.483	95	26809	35.423	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.840%			
Target Compounds			Qvalue			
16) Acetone	3.960	43	905	7.450	ug/l #	74
18) Methyl Acetate	4.491	43	49	Below Cal	#	56
20) Methylene Chloride	4.710	84	1648	Below Cal	#	69
25) 2-Butanone	6.990	43	196	1.060	ug/l #	54
31) Cyclohexane	7.795	56	1065	1.072	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	4150	4.640	ug/l #	51
38) Carbon Tetrachloride	7.789	117	5234	5.370	ug/l #	16
44) Trichloroethene	8.941	130	2876	3.887	ug/l	100
51) 4-Methyl-2-Pentanone	10.179	43	467	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	13939	54.129	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13939	120.770	ug/l #	7
95) Naphthalene	15.245	128	1185	1.282	ug/l #	90

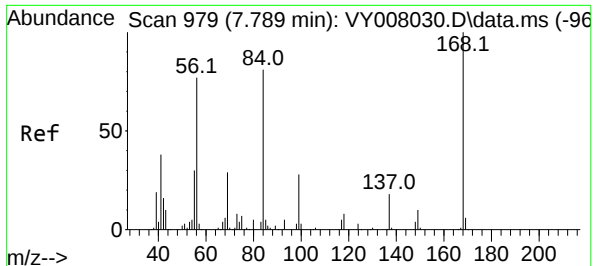
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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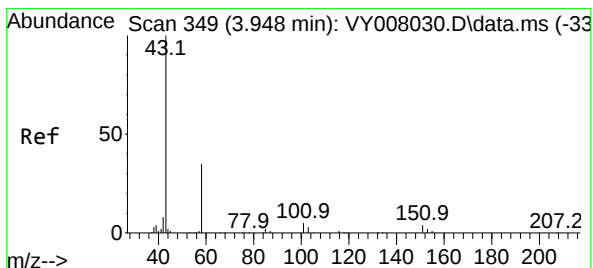
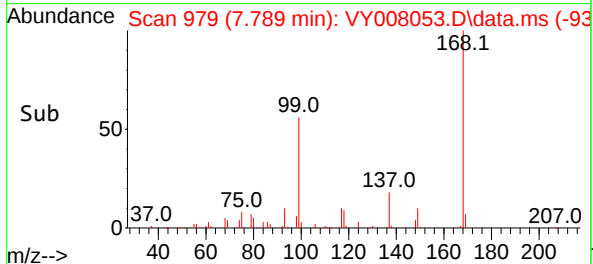
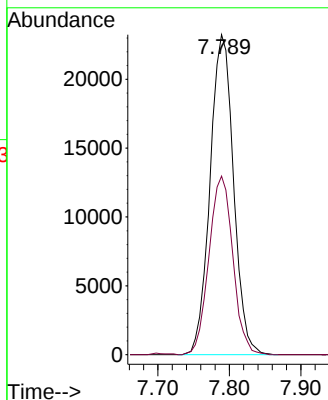
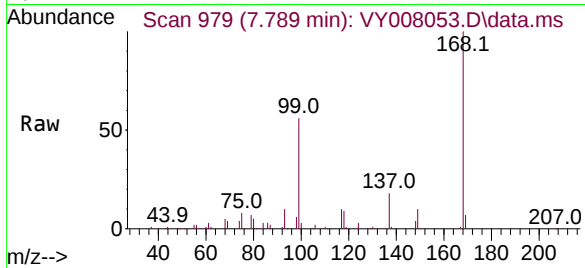




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

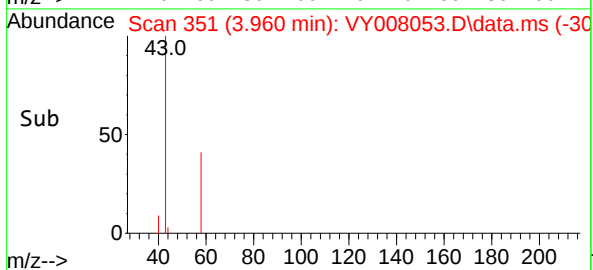
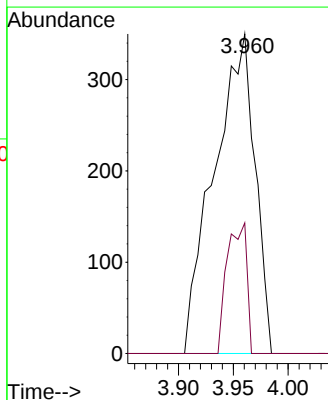
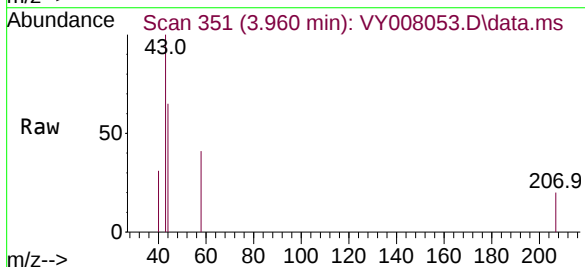
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-5.0-6.0

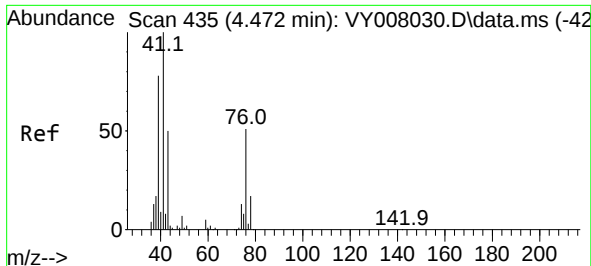
Tgt Ion:168 Resp: 52973
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#16
Acetone
Concen: 7.450 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 40.9 22.0 33.0#

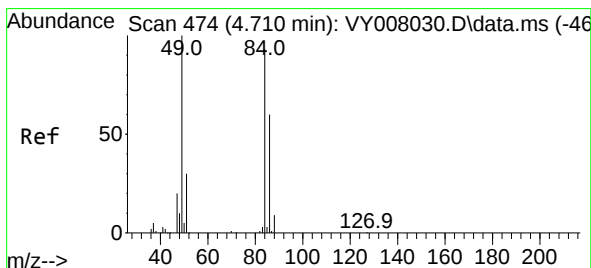
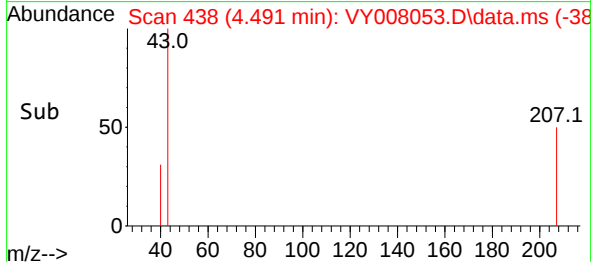
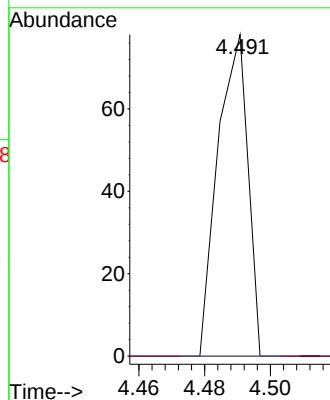
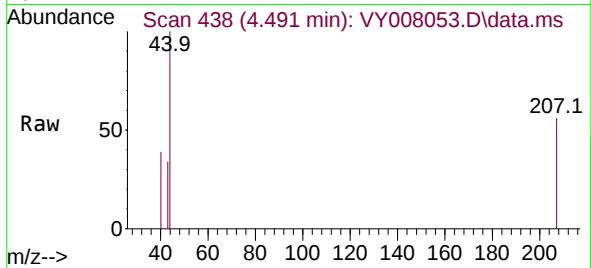




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

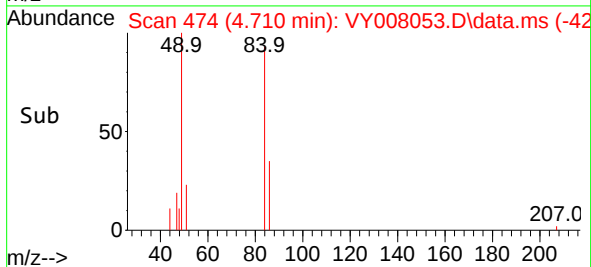
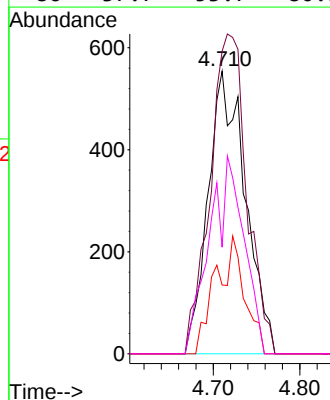
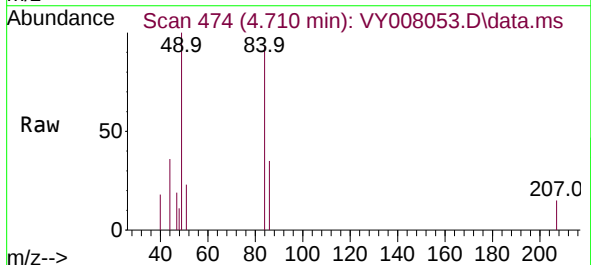
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-5.0-6.0

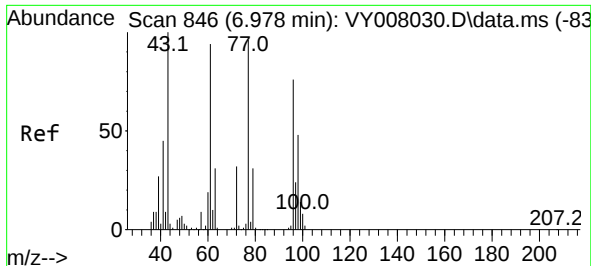
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 84 Resp: 1648
Ion Ratio Lower Upper
84 100
49 107.0 114.4 171.6#
51 24.4 35.3 52.9#
86 37.7 53.7 80.5#

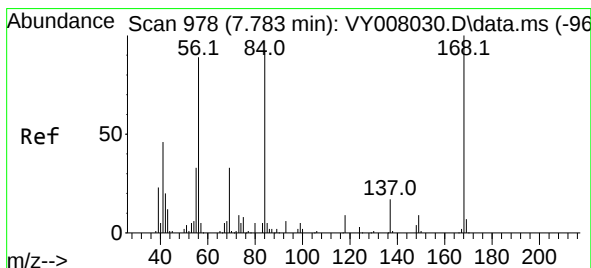
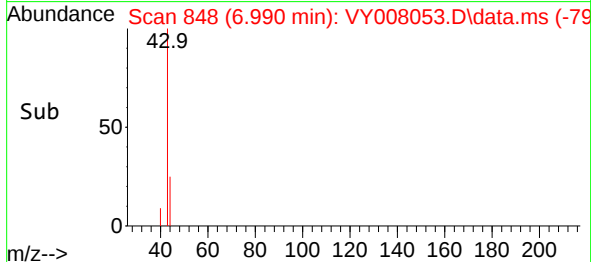
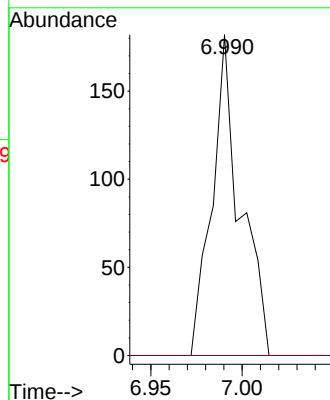
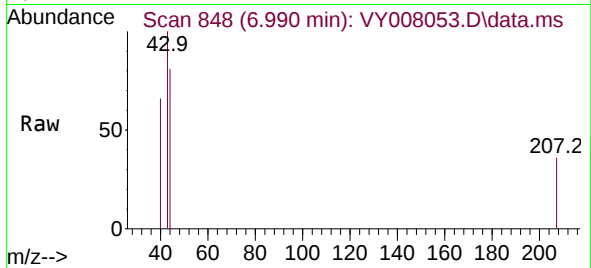




#25
2-Butanone
Concen: 1.060 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

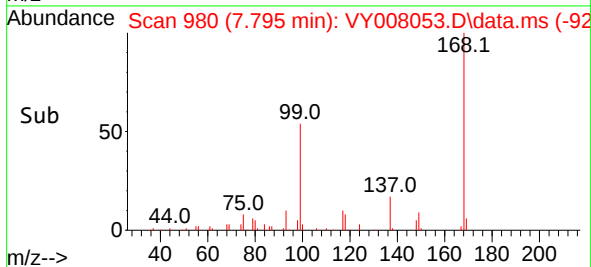
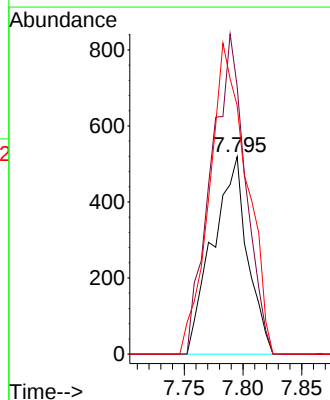
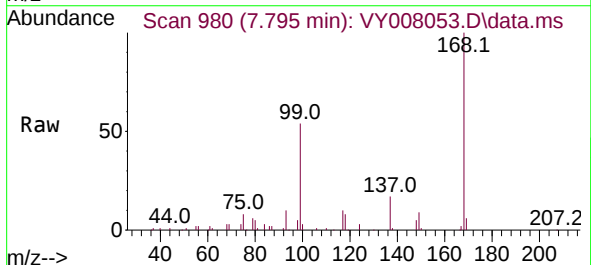
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-5.0-6.0

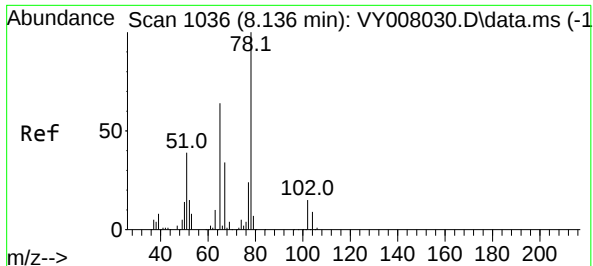
Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 56 Resp: 1065
Ion Ratio Lower Upper
56 100
69 135.6 26.7 40.1#
84 126.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.825 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY008053.D

Acq: 26 Mar 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

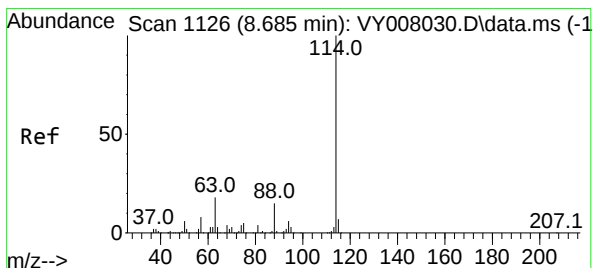
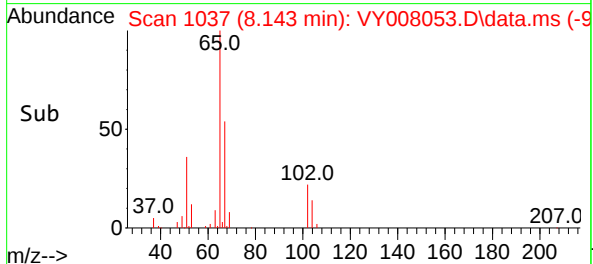
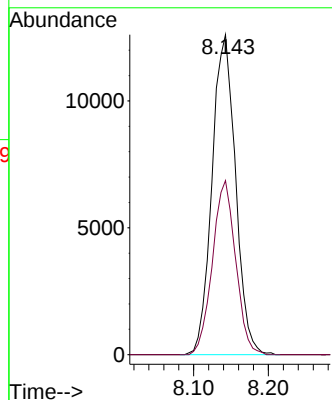
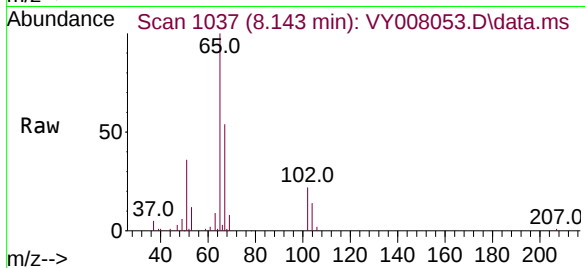
SB-12-5.0-6.0

Tgt Ion: 65 Resp: 27544

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008053.D

Acq: 26 Mar 2022 17:59

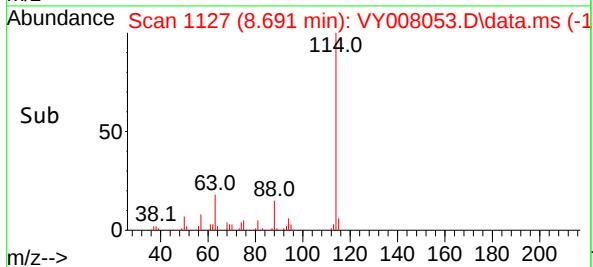
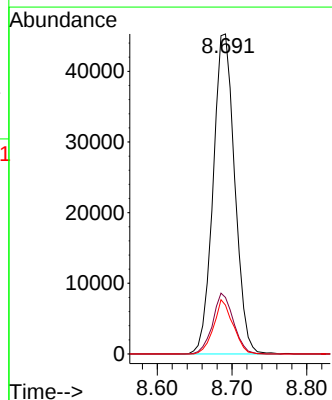
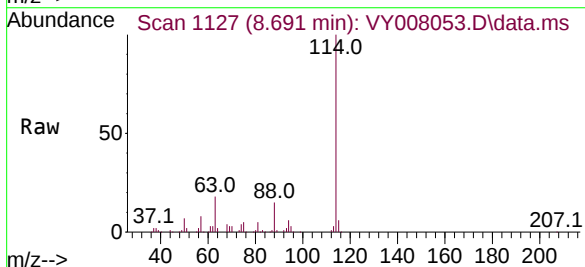
Tgt Ion: 114 Resp: 90815

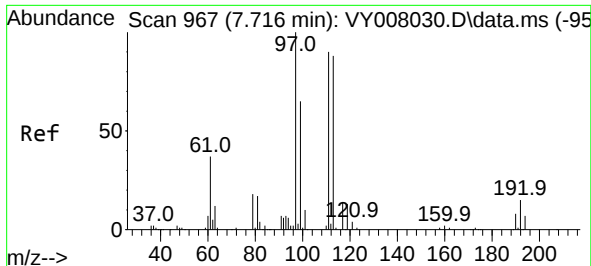
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 15.2 0.0 31.8

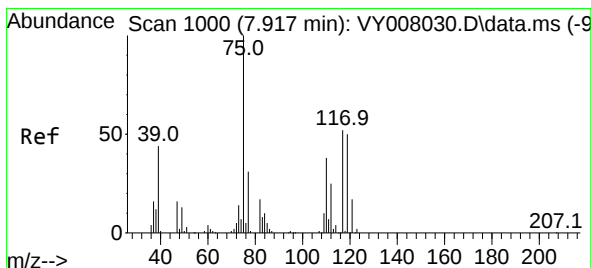
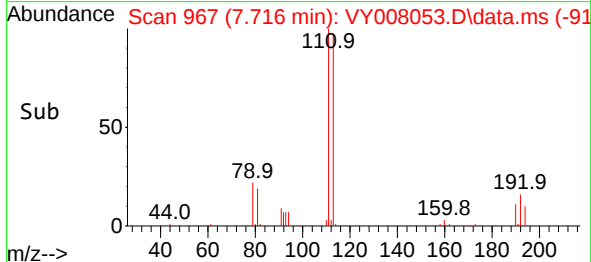
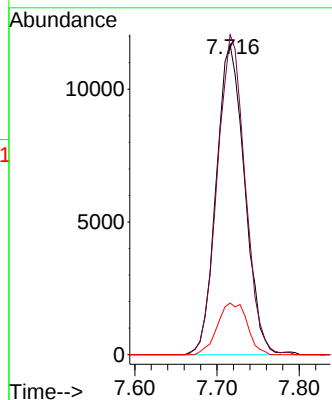
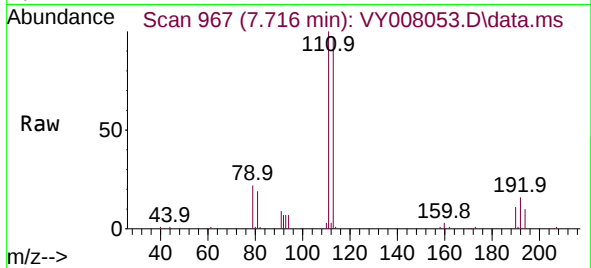




#35
Dibromofluoromethane
Concen: 49.204 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

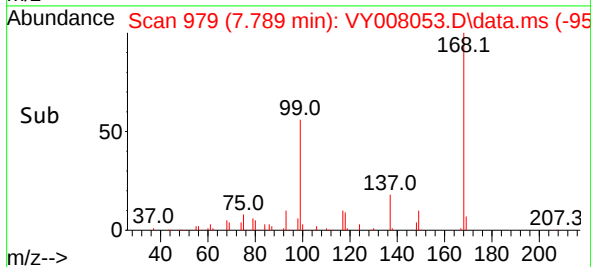
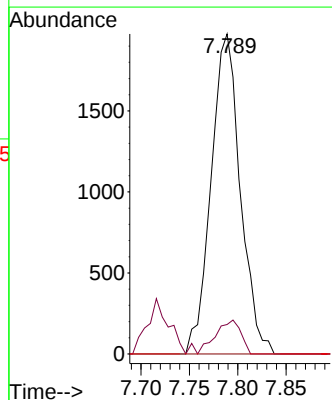
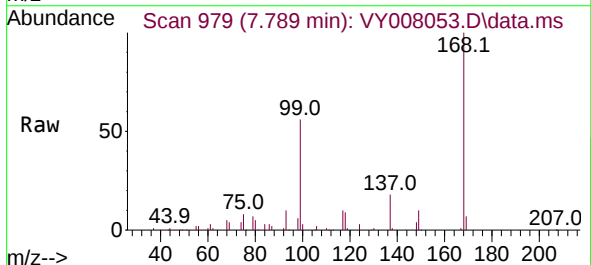
Instrument :
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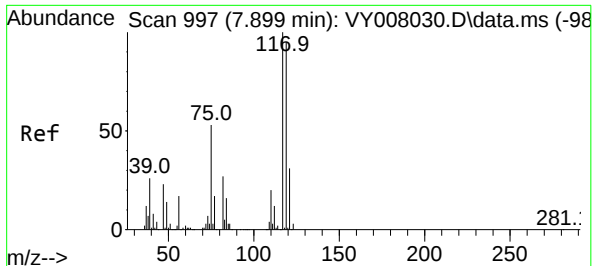
Tgt Ion:113 Resp: 28016
Ion Ratio Lower Upper
113 100
111 101.3 82.6 124.0
192 17.5 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 75 Resp: 4150
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#

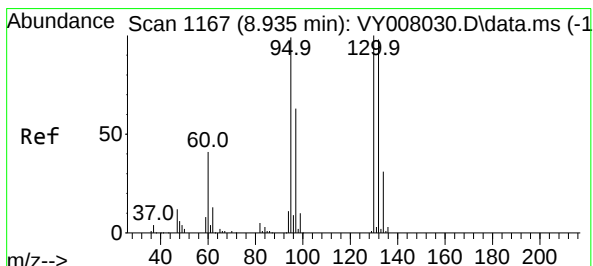
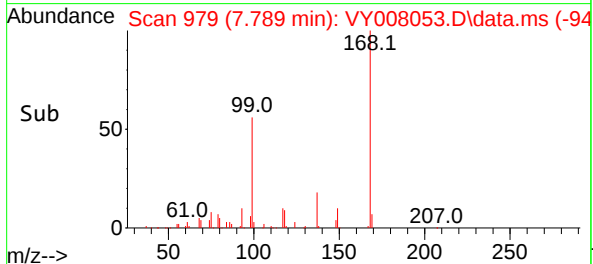
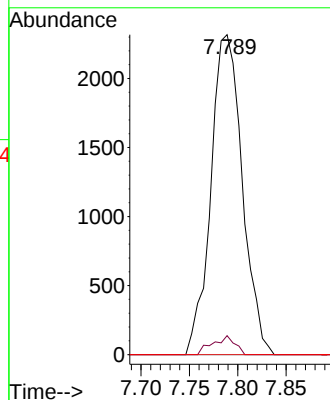
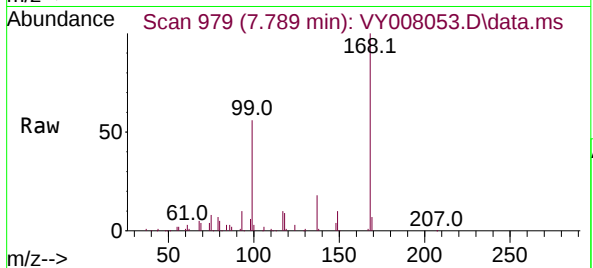




#38
Carbon Tetrachloride
Concen: 5.370 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

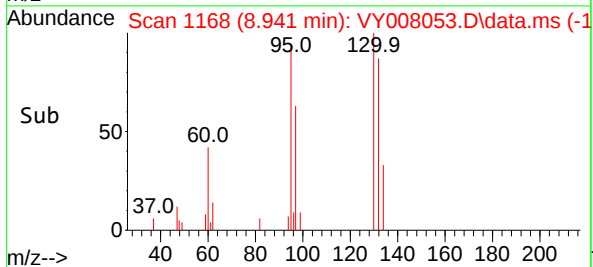
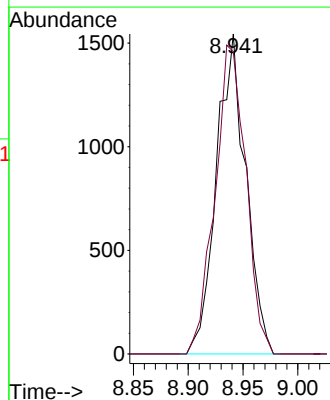
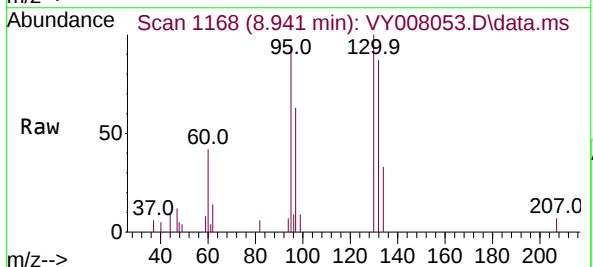
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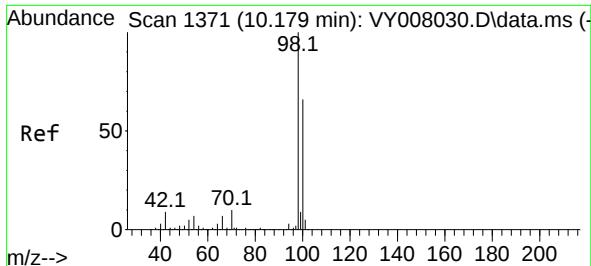
Tgt Ion:117 Resp: 5234
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 3.887 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion:130 Resp: 2876
Ion Ratio Lower Upper
130 100
95 94.4 0.0 188.2

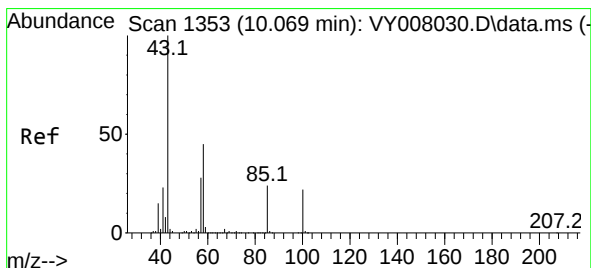
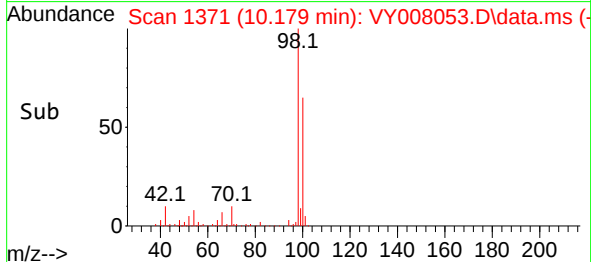
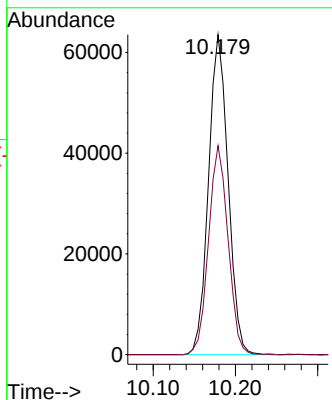
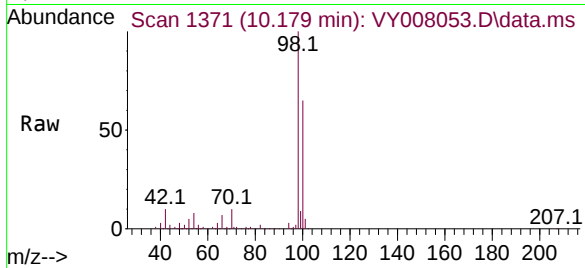




#50
Toluene-d8
Concen: 48.985 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

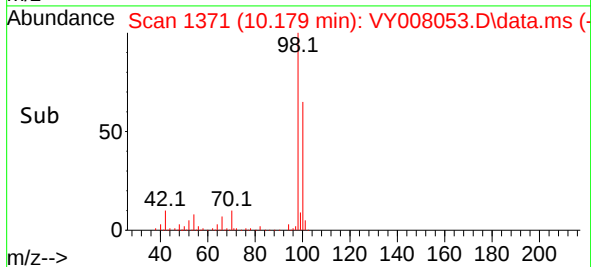
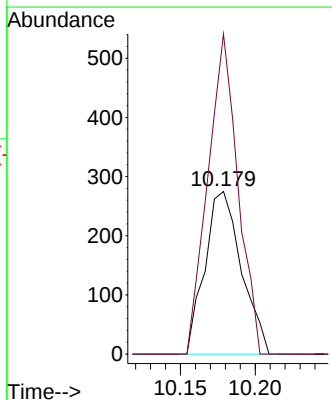
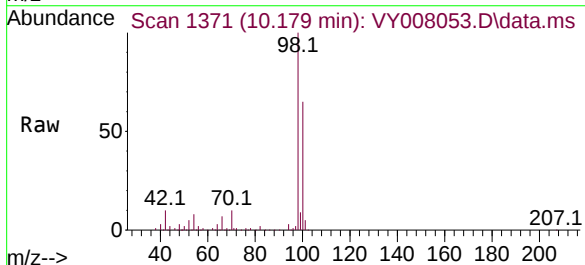
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-5.0-6.0

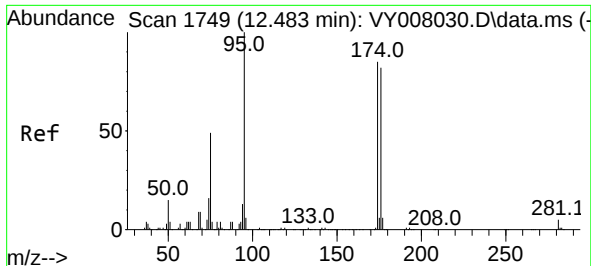
Tgt Ion: 98 Resp: 105080
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.129 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
58 161.5 28.1 42.1#

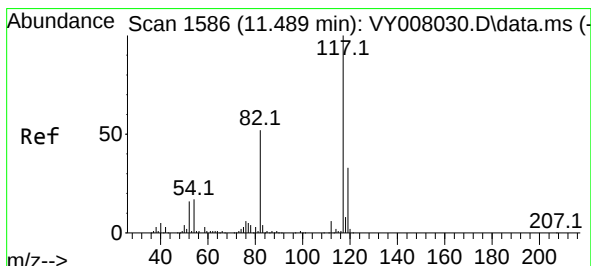
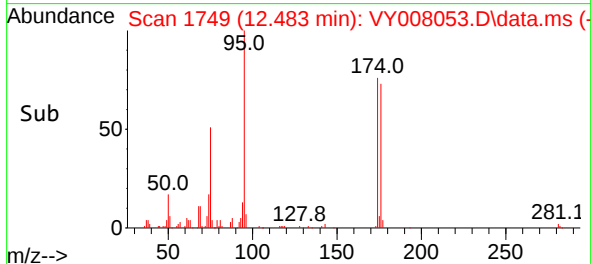
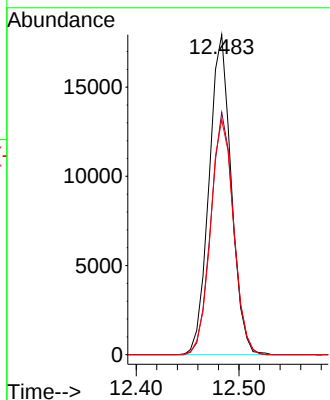
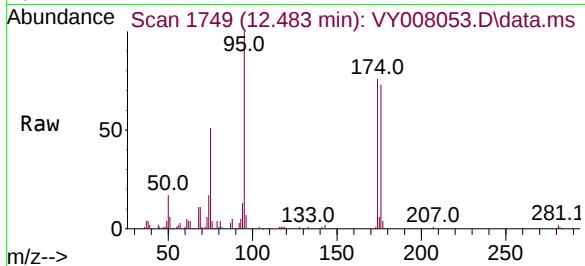




#62
4-Bromofluorobenzene
Concen: 35.423 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

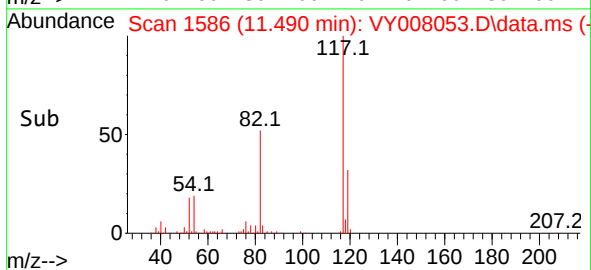
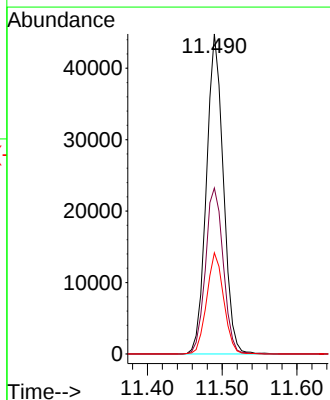
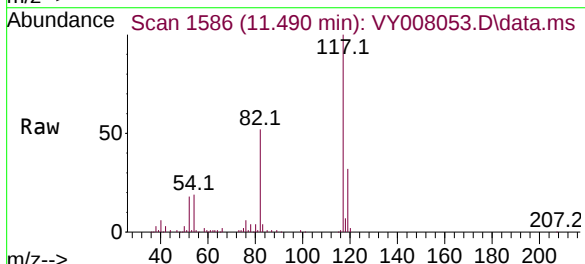
Instrument :
MSVOA_Y
ClientSampleId :
SB-12-5.0-6.0

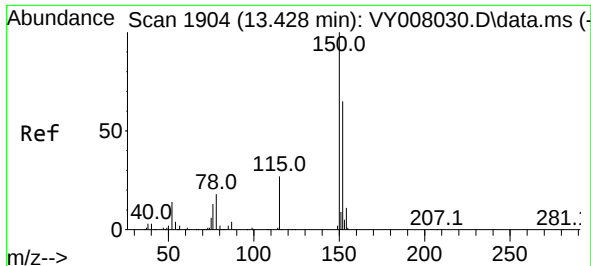
Tgt Ion: 95 Resp: 26809
Ion Ratio Lower Upper
95 100
174 77.5 0.0 177.0
176 76.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 117 Resp: 70528
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 31.6 25.4 38.0

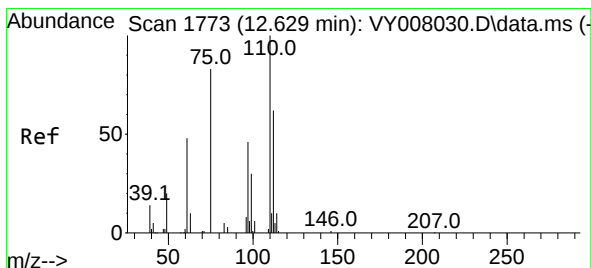
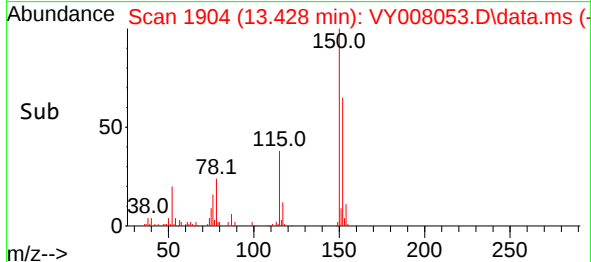
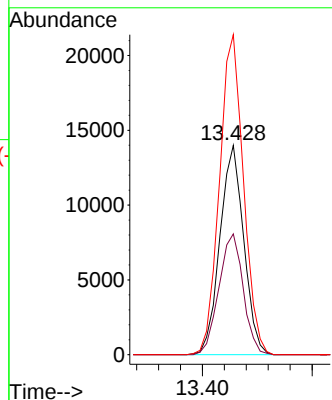
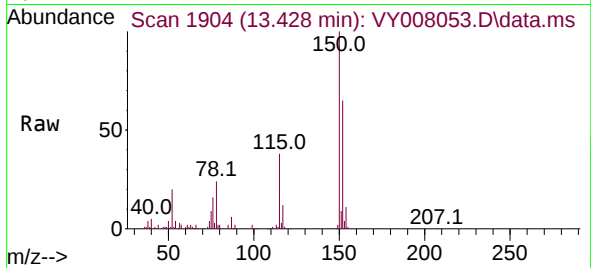




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008053.D
 Acq: 26 Mar 2022 17:59

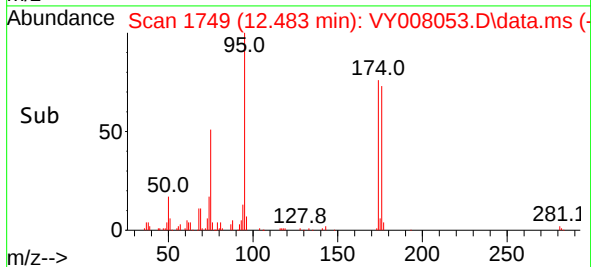
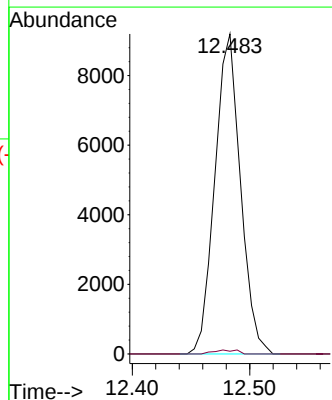
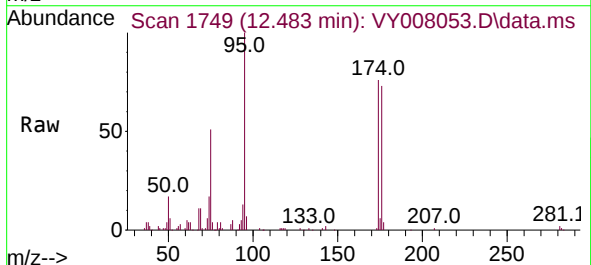
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12-5.0-6.0

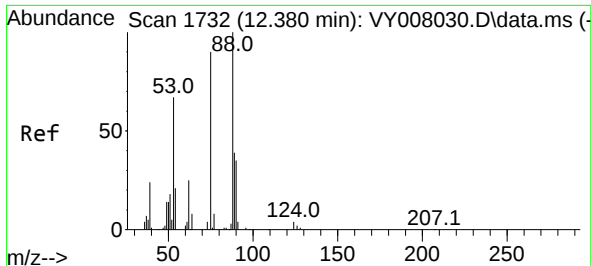
Tgt Ion:152 Resp: 21125
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.2 84.7
 150 153.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 54.129 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008053.D
 Acq: 26 Mar 2022 17:59

Tgt Ion: 75 Resp: 13939
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

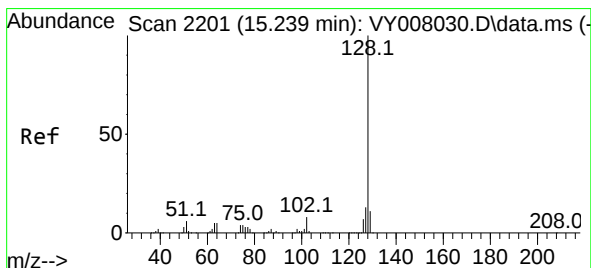
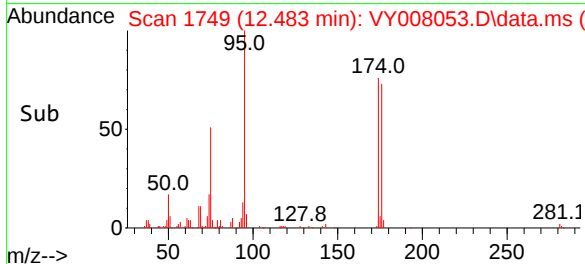
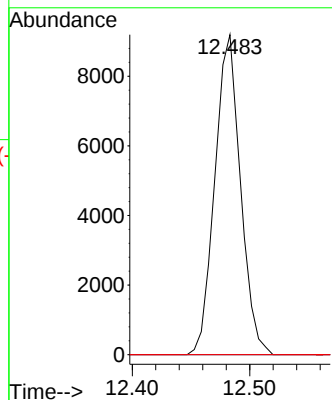
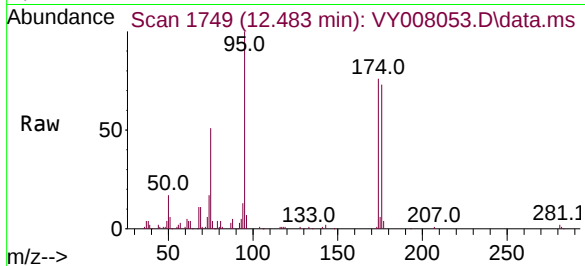




#81
trans-1,4-Dichloro-2-butene
Concen: 120.770 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Instrument :
MSVOA_Y
ClientSampleId :
SB-12-5.0-6.0

Tgt Ion: 75 Resp: 13939
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.282 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY008053.D
Acq: 26 Mar 2022 17:59

Tgt Ion: 128 Resp: 1185
Ion Ratio Lower Upper
128 100
127 15.6 11.0 16.4
129 4.1 8.4 12.6#

