

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014262.D
 Acq On : 20 Jun 2023 05:49
 Operator : KP/MD
 Sample : 03289-17
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-06-12.0-14.0-DUP

Quant Time: Jun 20 06:05:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

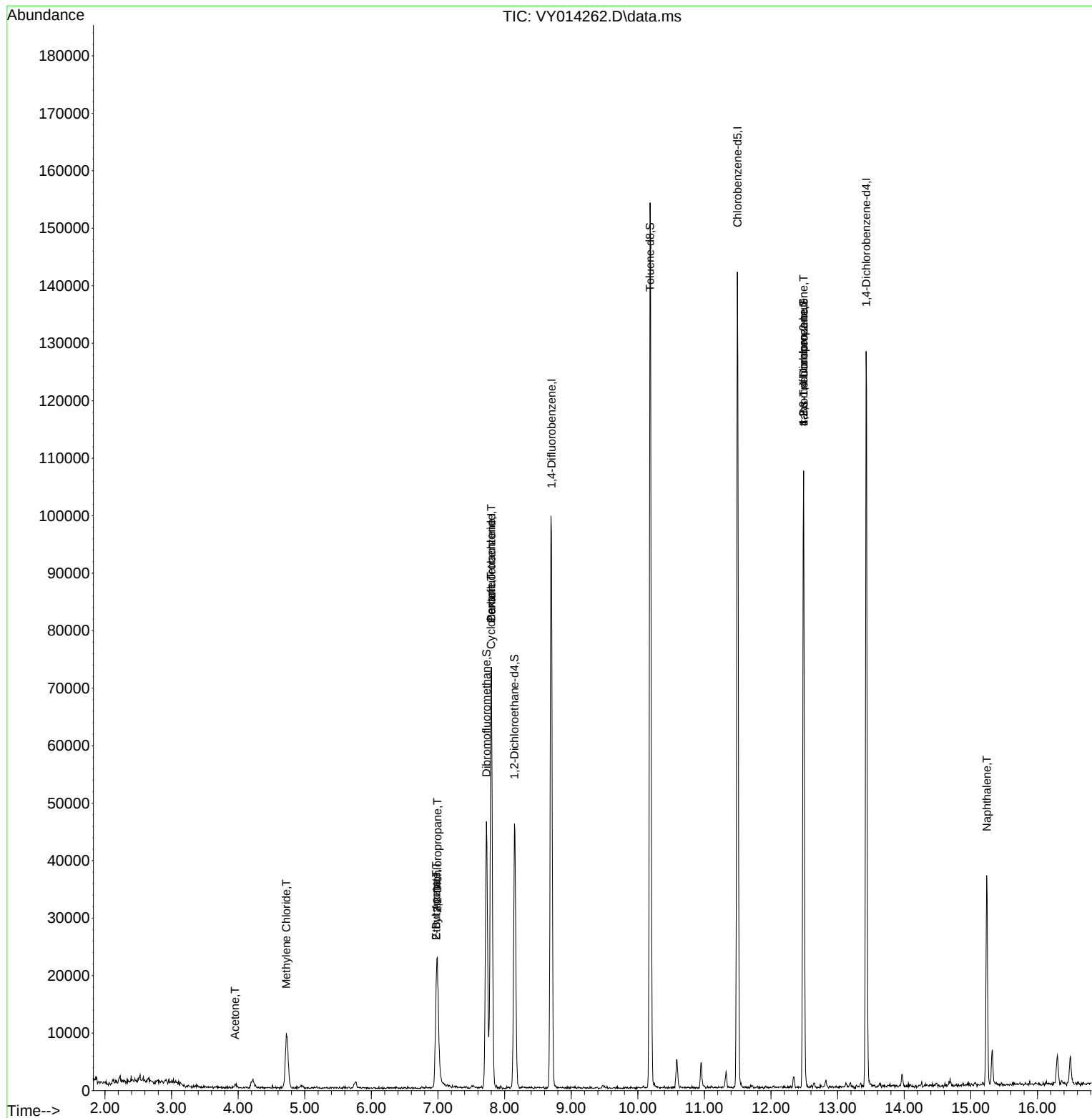
Internal Standards						
1) Pentafluorobenzene	7.801	168	56534	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	84695	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	78280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	33262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	37865	48.098	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.200%		
35) Dibromofluoromethane	7.728	113	30226	50.323	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.640%		
50) Toluene-d8	10.185	98	100281	44.658	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.320%		
62) 4-Bromofluorobenzene	12.489	95	28709	35.991	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	333	Below Cal	#	89
16) Acetone	3.954	43	943	3.974	ug/l #	78
20) Methylene Chloride	4.722	84	6662	5.611	ug/l	98
25) 2-Butanone	6.972	43	1546	5.293	ug/l #	73
26) 2,2-Dichloropropane	6.990	77	1620	1.335	ug/l #	54
31) Cyclohexane	7.795	56	1402	1.329	ug/l #	13
37) Ethyl Acetate	6.972	43	1546	2.393	ug/l #	1
38) Carbon Tetrachloride	7.801	117	5571	5.156	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	15450	35.404	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	15450	76.530	ug/l #	10
95) Naphthalene	15.239	128	30012	20.409	ug/l	99

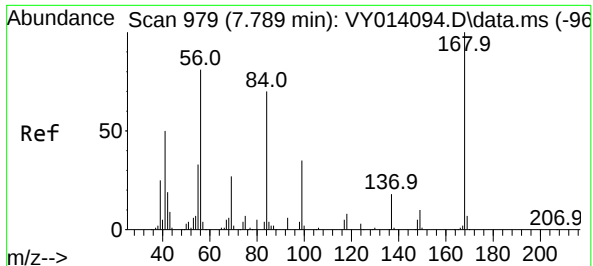
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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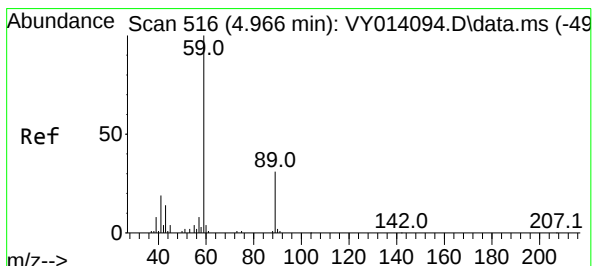
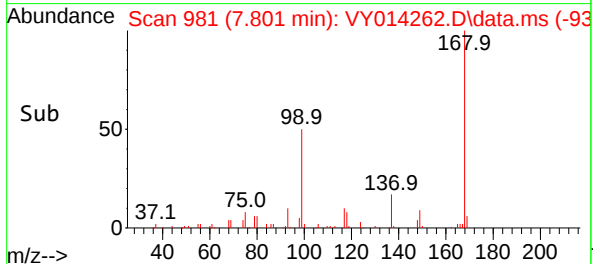
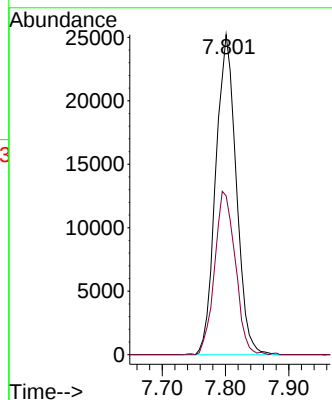
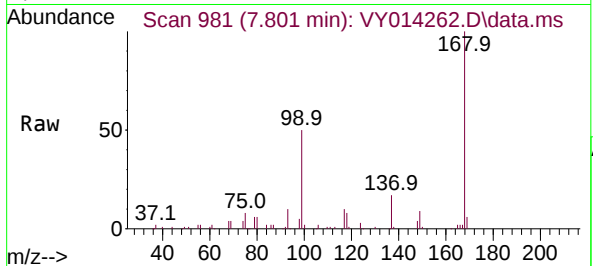




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

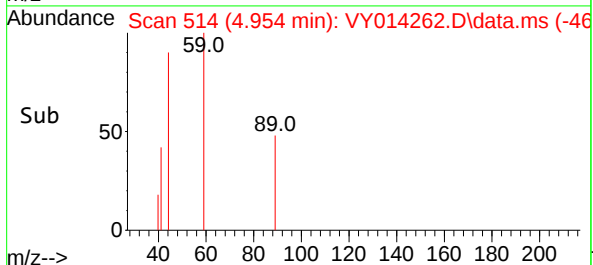
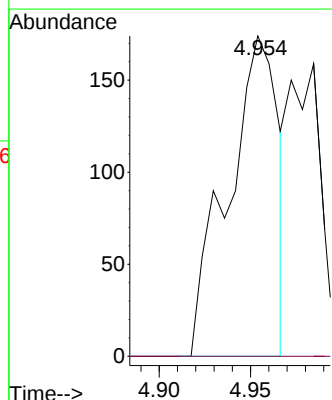
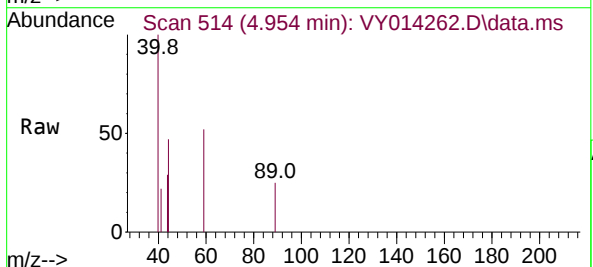
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-12.0-14.0-DUP

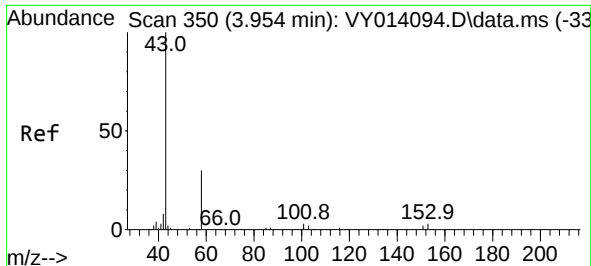
Tgt Ion:168 Resp: 56534
Ion Ratio Lower Upper
168 100
99 49.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 3.974 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014262.D

Acq: 20 Jun 2023 05:49

Instrument :

MSVOA_Y

ClientSampleId :

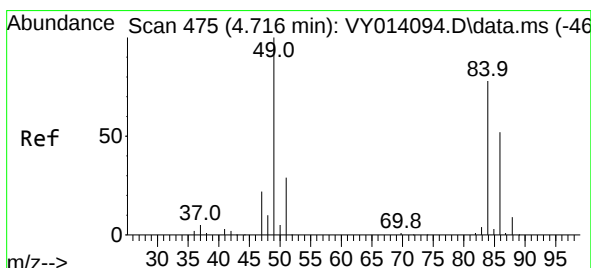
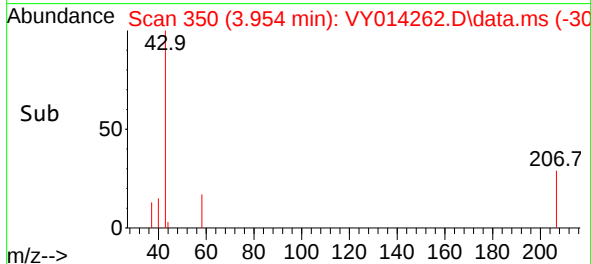
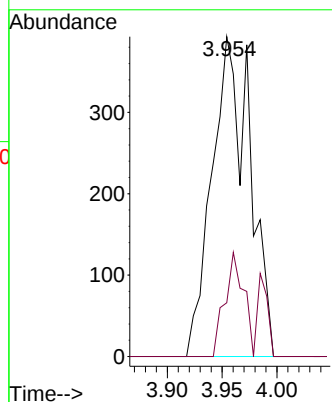
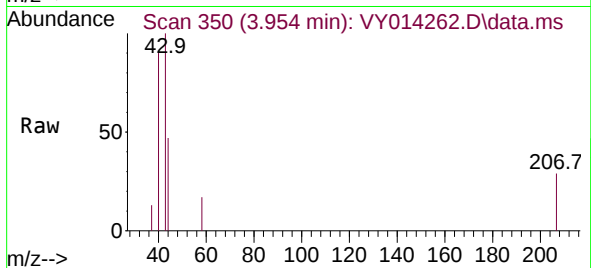
SB-06-12.0-14.0-DUP

Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

58 16.8 22.7 34.1#



#20

Methylene Chloride

Concen: 5.611 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014262.D

Acq: 20 Jun 2023 05:49

Tgt Ion: 84 Resp: 6662

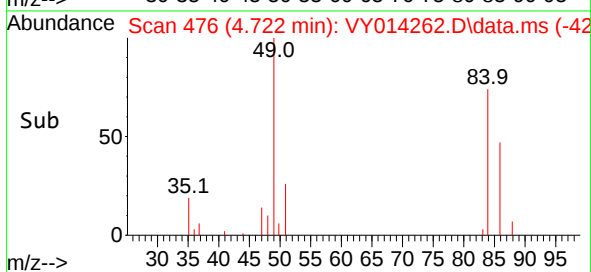
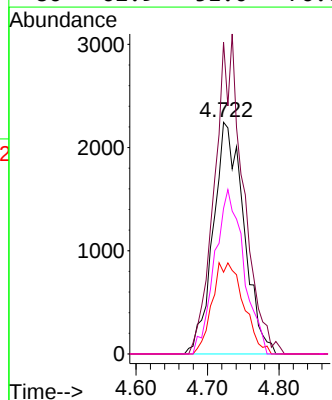
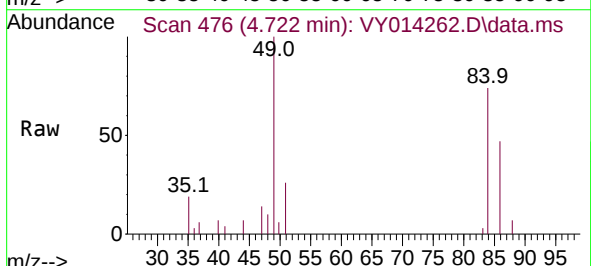
Ion Ratio Lower Upper

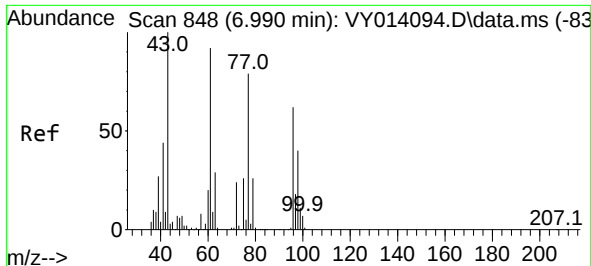
84 100

49 134.5 106.9 160.3

51 35.3 33.2 49.8

86 62.9 51.0 76.6

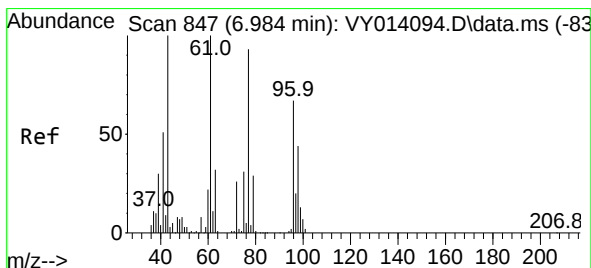
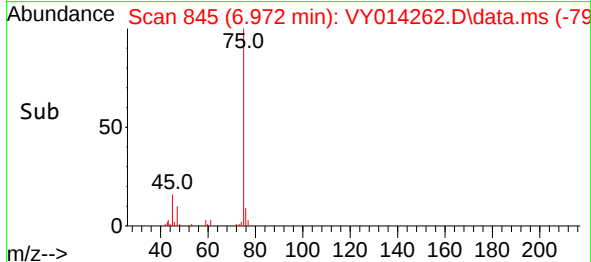
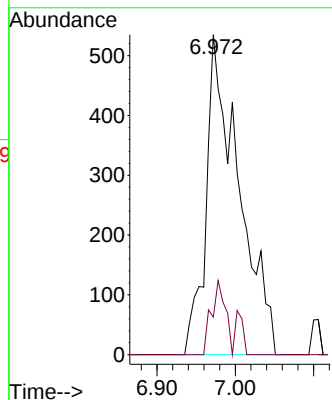
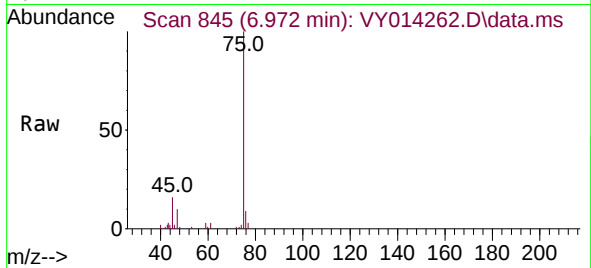




#25
2-Butanone
Concen: 5.293 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

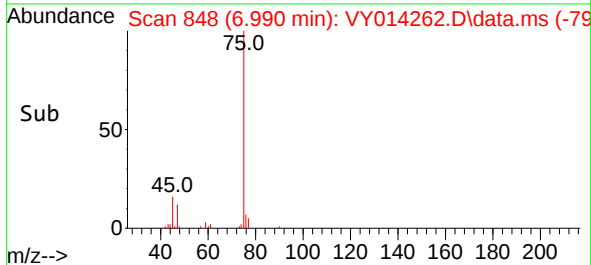
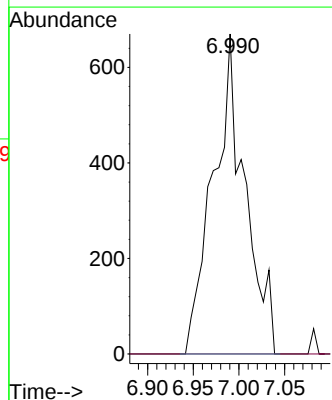
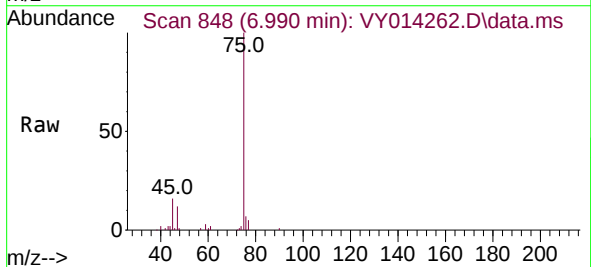
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-12.0-14.0-DUP

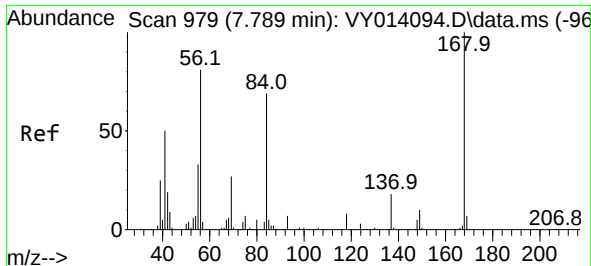
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
72 11.8 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.335 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

Tgt Ion: 77 Resp: 1620
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

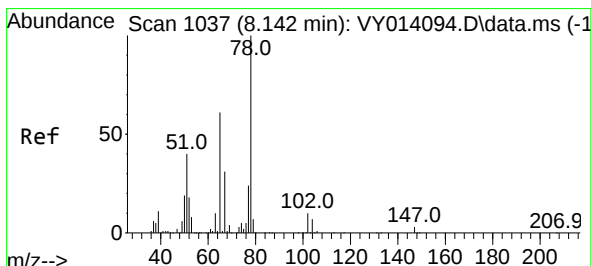
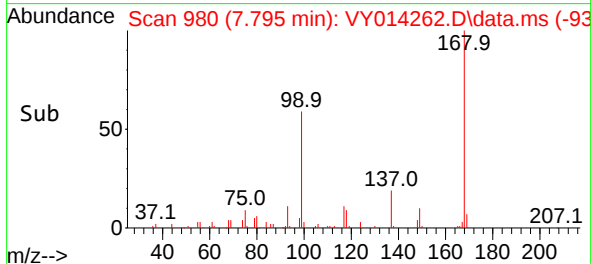
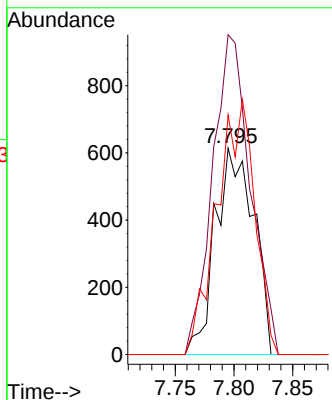
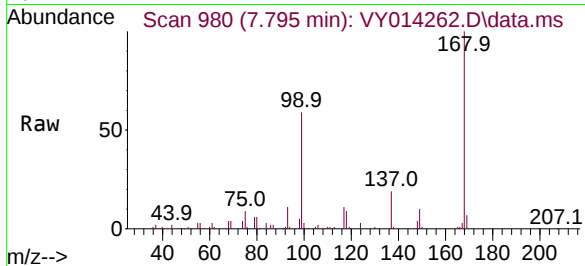




#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

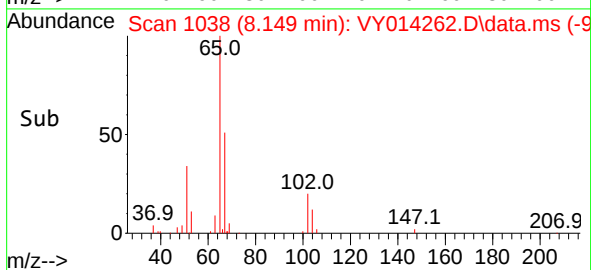
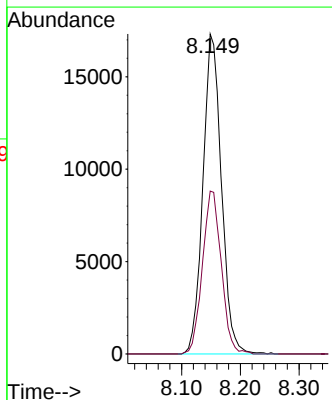
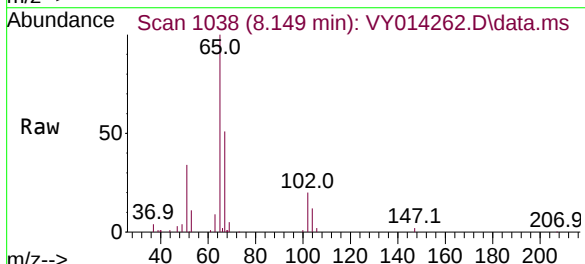
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-12.0-14.0-DUP

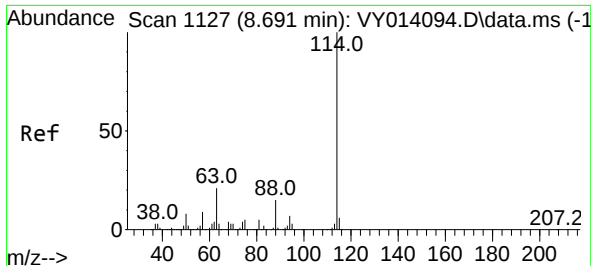
Tgt Ion: 56 Resp: 1402
Ion Ratio Lower Upper
56 100
69 155.0 27.8 41.6#
84 116.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.098 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

Tgt Ion: 65 Resp: 37865
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8

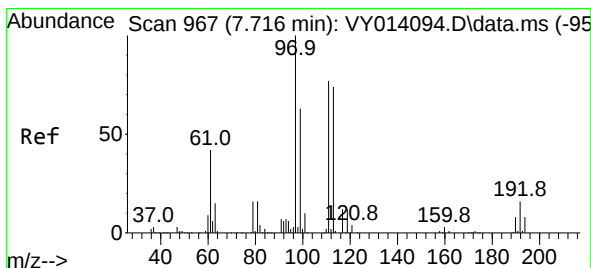
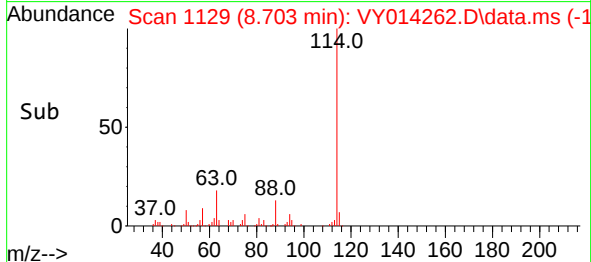
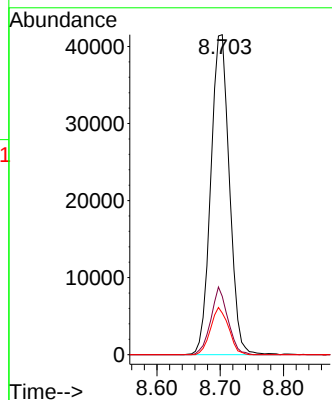
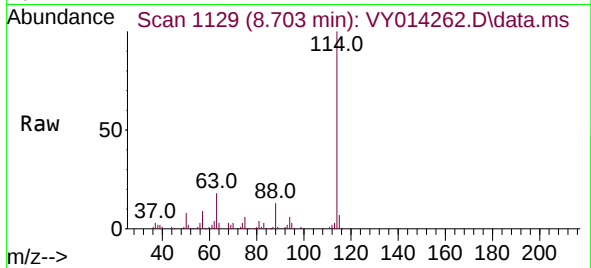




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

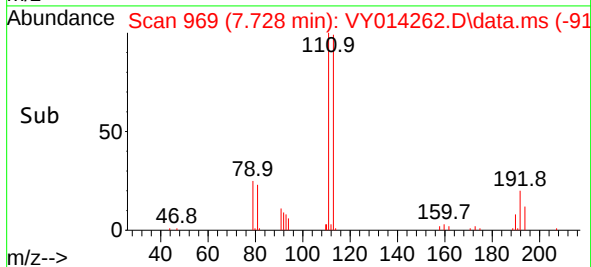
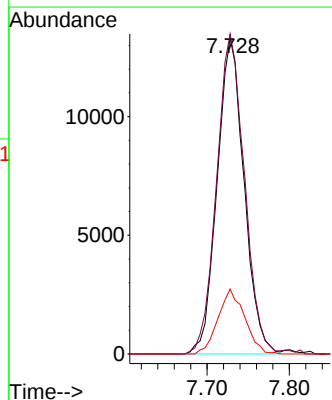
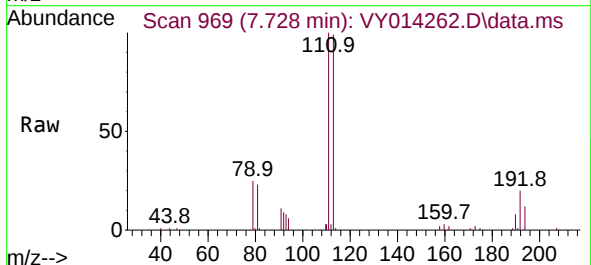
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-12.0-14.0-DUP

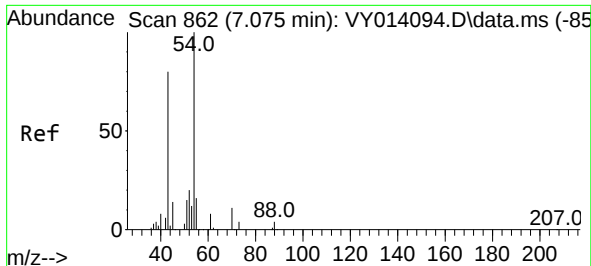
Tgt Ion:114	Resp:	84695
Ion Ratio	Lower	Upper
114	100	
63	18.2	0.0 42.4
88	13.0	0.0 30.6



#35
Dibromofluoromethane
Concen: 50.323 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

Tgt Ion:113	Resp:	30226
Ion Ratio	Lower	Upper
113	100	
111	105.3	81.3 121.9
192	20.3	16.9 25.3

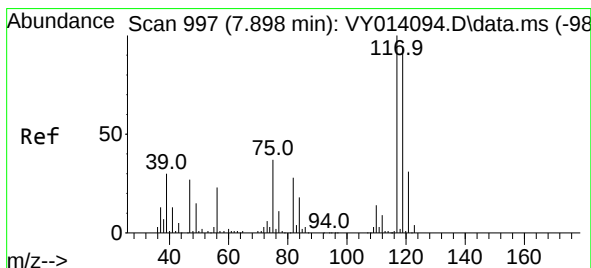
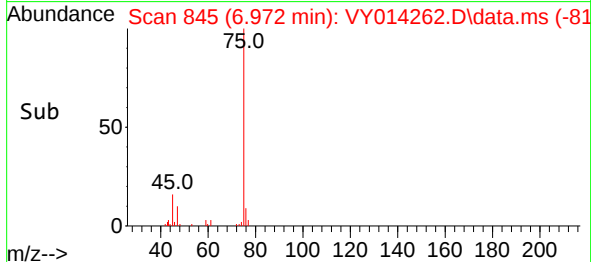
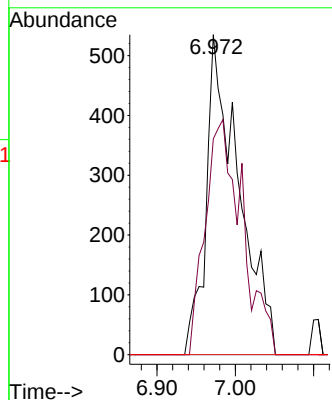
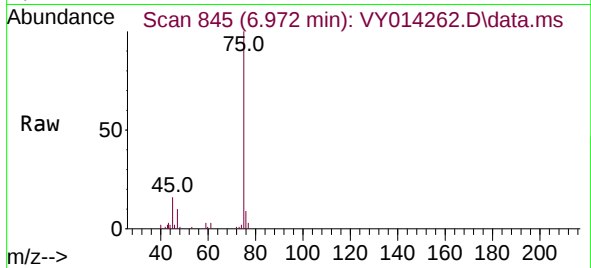




#37
Ethyl Acetate
Concen: 2.393 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.103 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

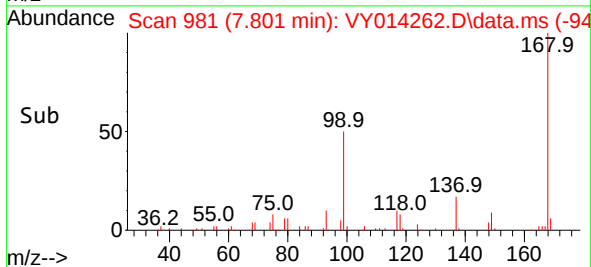
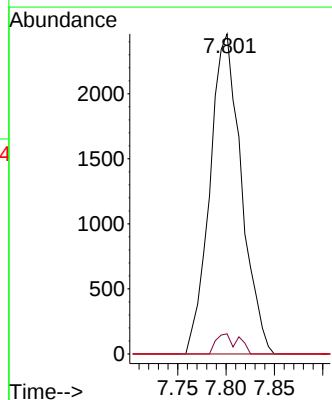
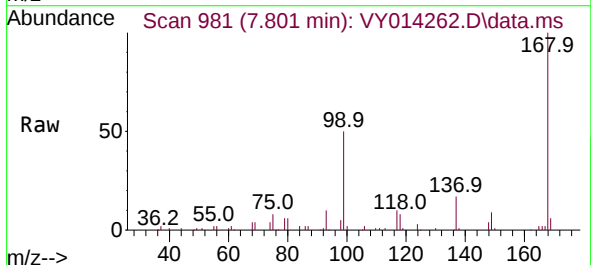
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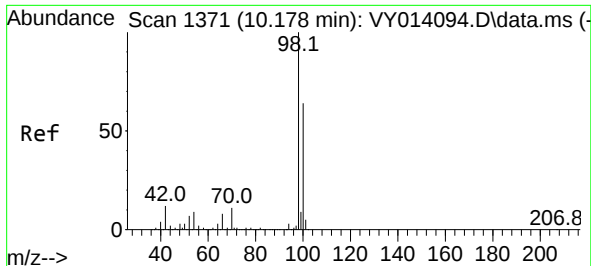
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
61 83.6 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.156 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

Tgt Ion: 117 Resp: 5571
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#

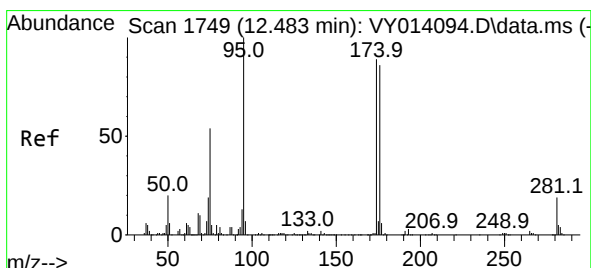
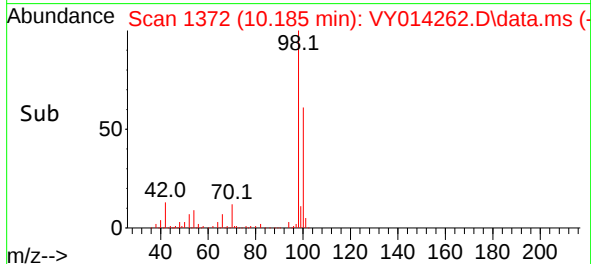
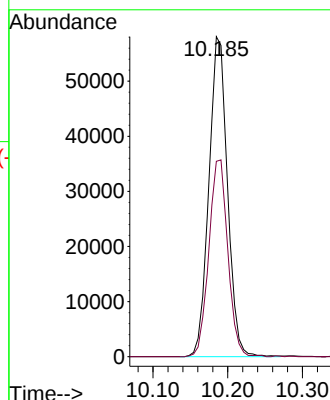
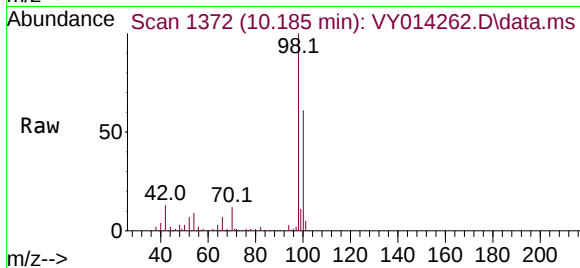




#50
Toluene-d8
Concen: 44.658 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

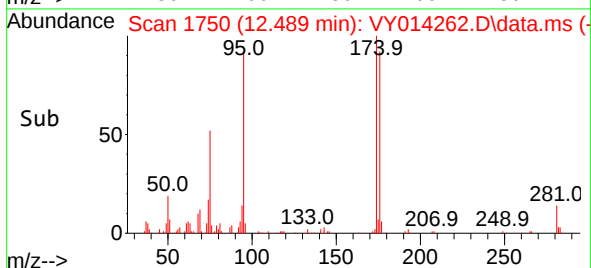
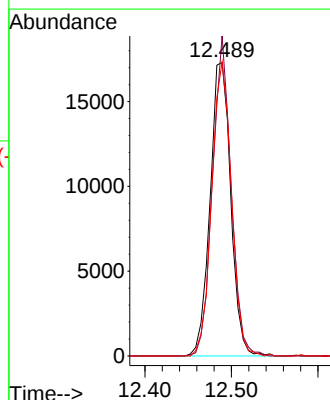
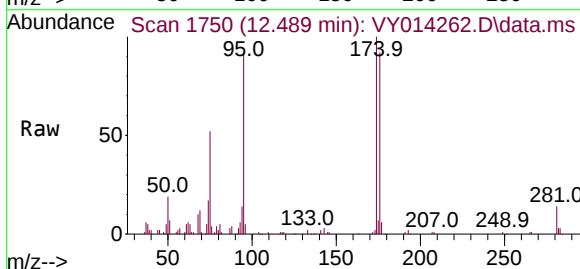
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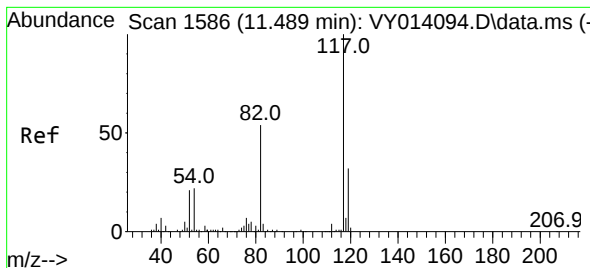
Tgt Ion: 98 Resp: 100281
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 35.991 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

Tgt Ion: 95 Resp: 28709
Ion Ratio Lower Upper
95 100
174 97.9 0.0 178.2
176 95.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014262.D

Acq: 20 Jun 2023 05:49

Instrument :

MSVOA_Y

ClientSampleId :

SB-06-12.0-14.0-DUP

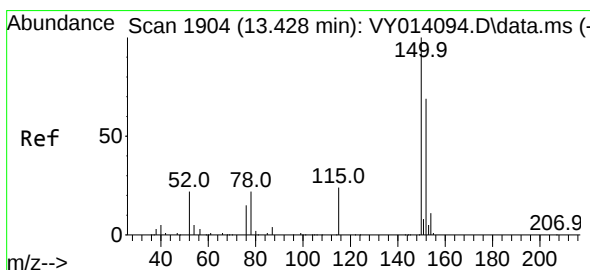
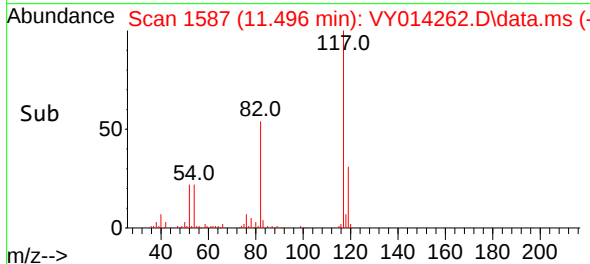
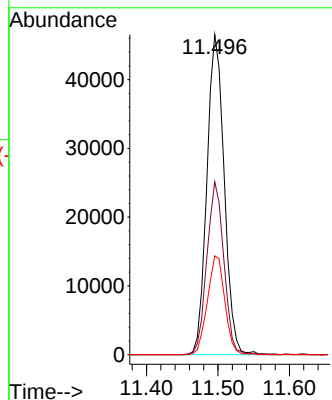
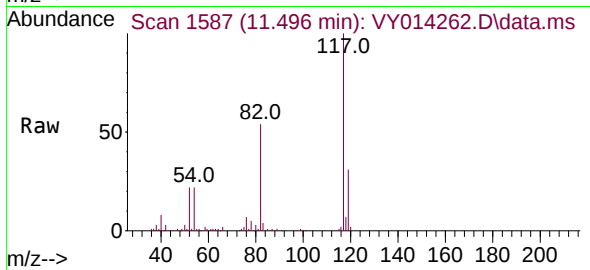
Tgt Ion:117 Resp: 78280

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 30.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014262.D

Acq: 20 Jun 2023 05:49

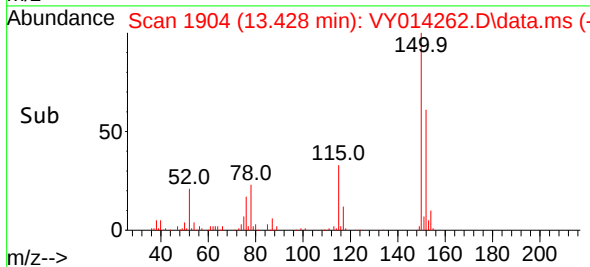
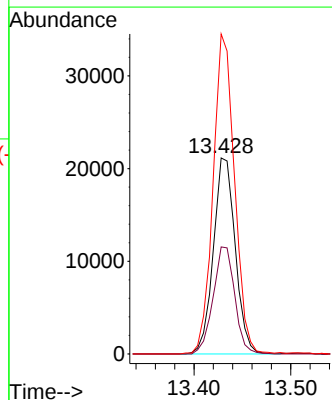
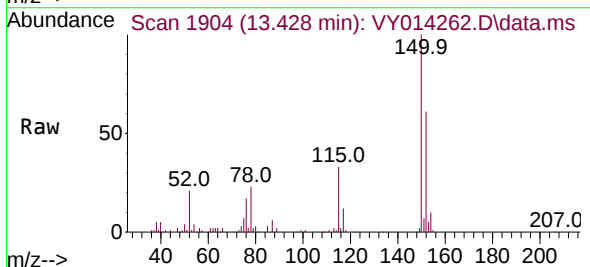
Tgt Ion:152 Resp: 33262

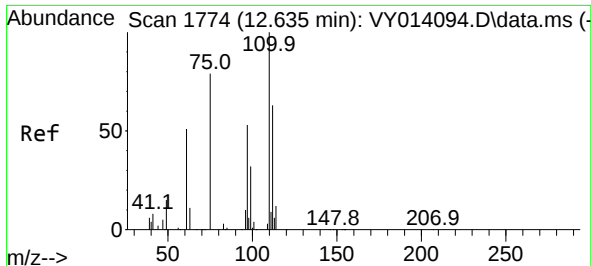
Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.5

150 159.6 0.0 348.8

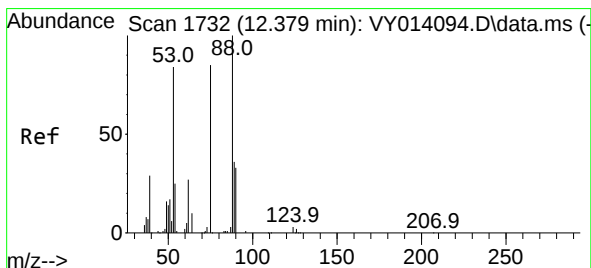
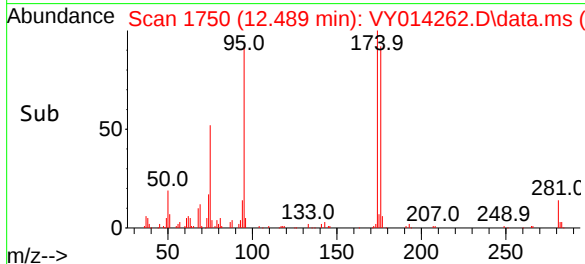
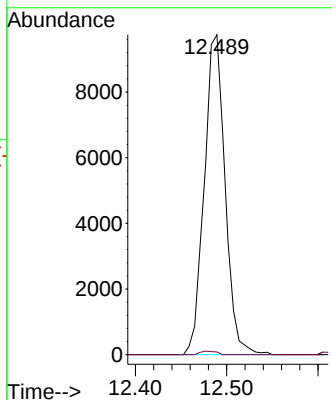
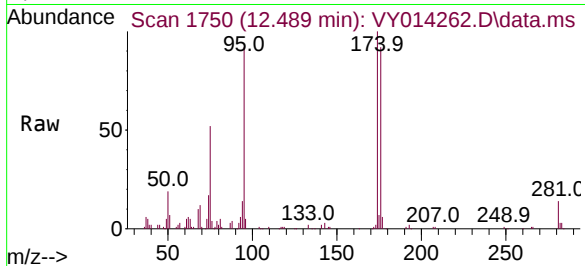




#76
1,2,3-Trichloropropane
Concen: 35.404 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

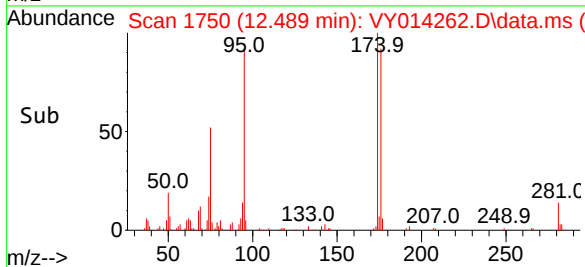
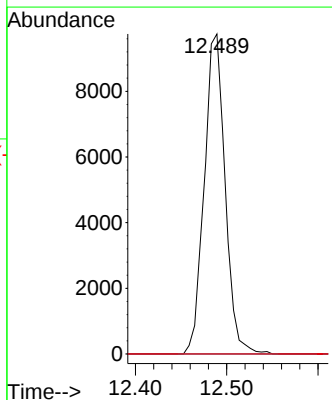
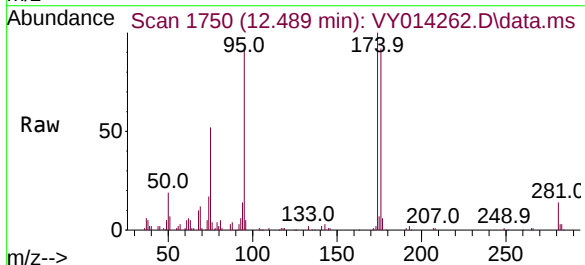
Instrument :
MSVOA_Y
ClientSampleId :
SB-06-12.0-14.0-DUP

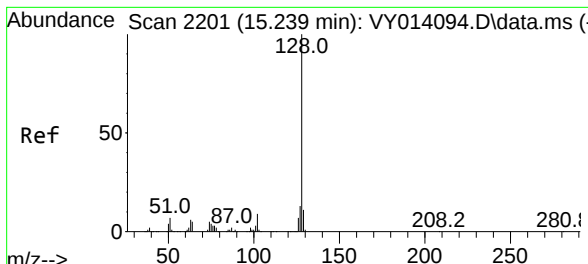
Tgt Ion: 75 Resp: 15450
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.530 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014262.D
Acq: 20 Jun 2023 05:49

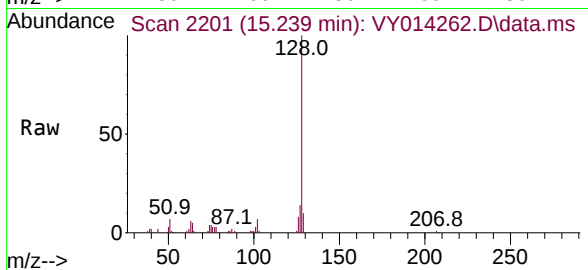
Tgt Ion: 75 Resp: 15450
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 20.409 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014262.D
 Acq: 20 Jun 2023 05:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-06-12.0-14.0-DUP



Tgt Ion:	128	Resp:	30012
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.3	8.6	13.0

