

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014266.D
 Acq On : 20 Jun 2023 07:23
 Operator : KP/MD
 Sample : 03302-01
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Quant Time: Jun 20 11:24:49 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)

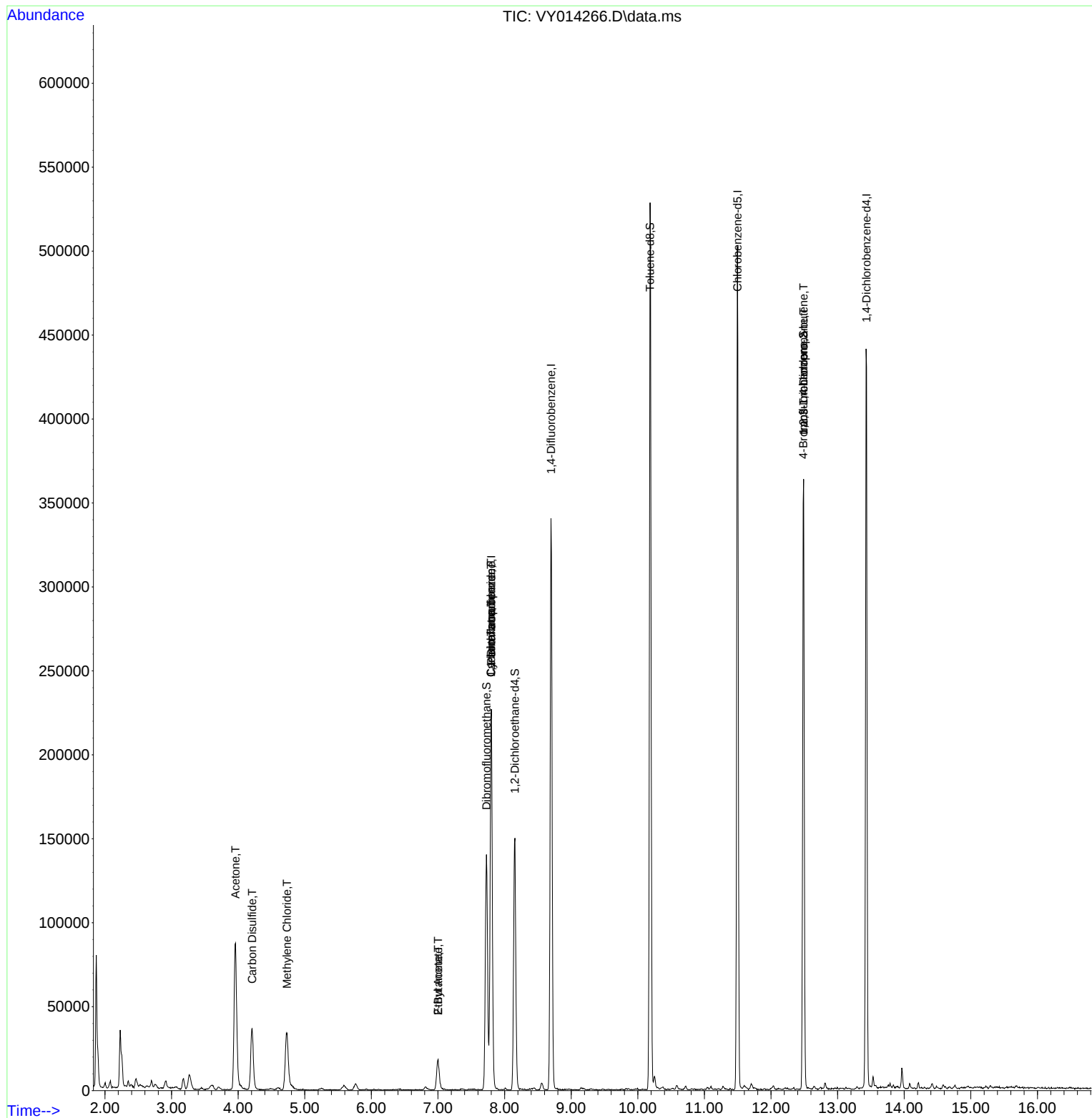
Internal Standards						
1) Pentafluorobenzene	7.801	168	174928	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	281872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	115049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	125617	51.569	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.140%			
35) Dibromofluoromethane	7.728	113	96260	48.155	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.300%			
50) Toluene-d8	10.185	98	336427	45.017	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.040%			
62) 4-Bromofluorobenzene	12.483	95	105332	39.677	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.360%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	691	Below Cal	#	89
13) Acrolein	3.735	56	275	Below Cal	#	14
16) Acetone	3.960	43	157885	215.027	ug/l	98
17) Carbon Disulfide	4.210	76	72442	11.193	ug/l	98
20) Methylene Chloride	4.735	84	25088	7.667	ug/l	96
25) 2-Butanone	7.003	43	31350	34.685	ug/l	100
31) Cyclohexane	7.795	56	4531	1.389	ug/l #	44
36) 1,1-Dichloropropene	7.795	75	12872	4.130	ug/l #	51
37) Ethyl Acetate	7.003	43	31350	14.579	ug/l #	71
38) Carbon Tetrachloride	7.795	117	17543	4.878	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	56854	37.666	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	56854	81.420	ug/l #	11

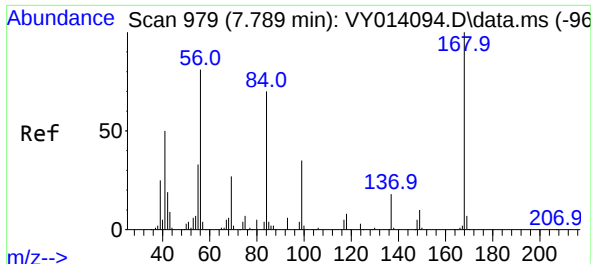
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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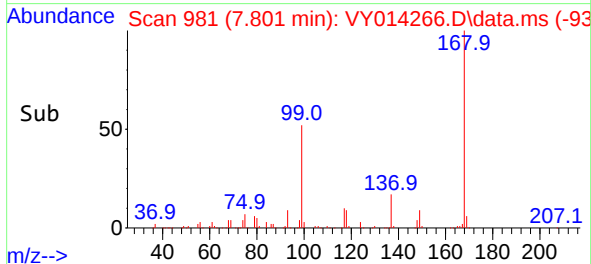
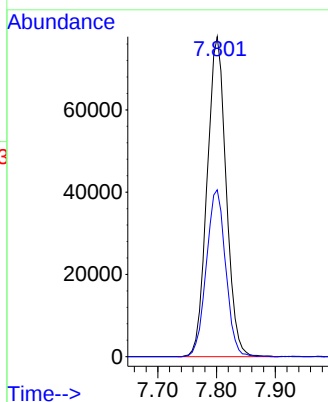
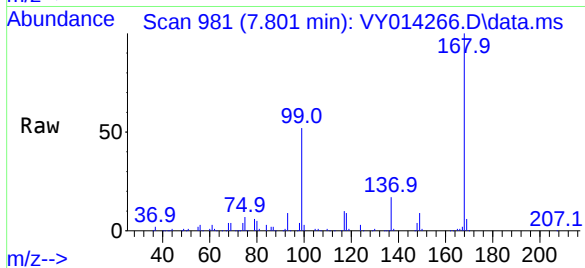




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

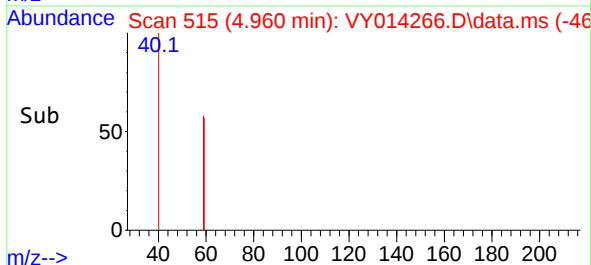
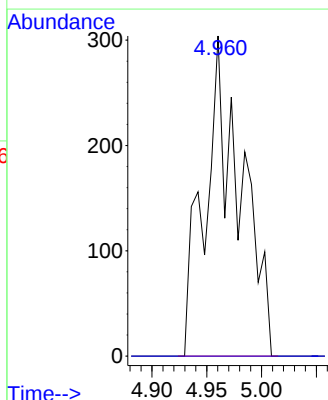
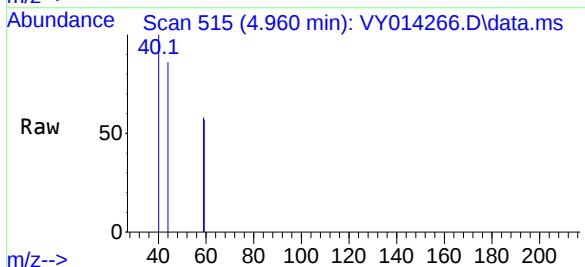
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

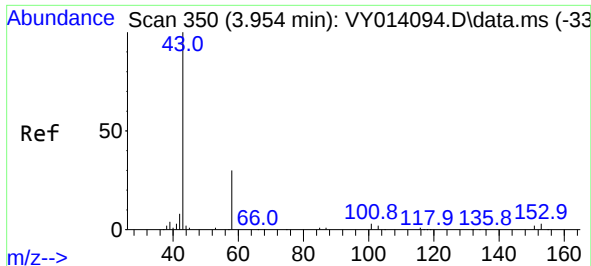
Tgt Ion:168 Resp: 174928
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

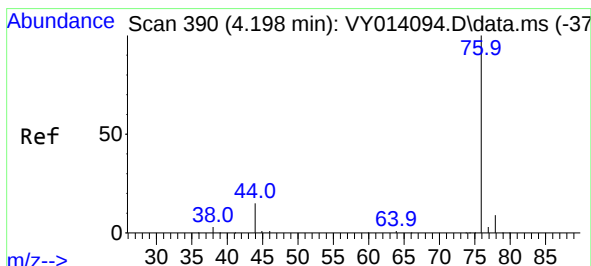
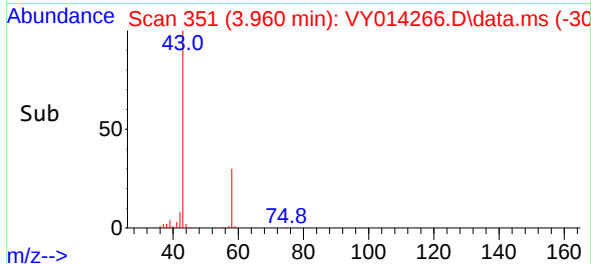
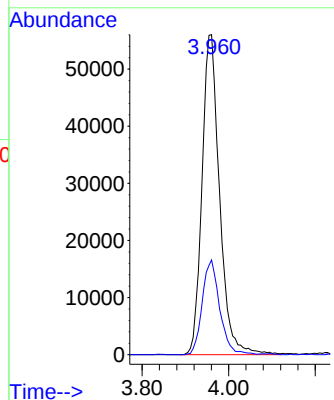
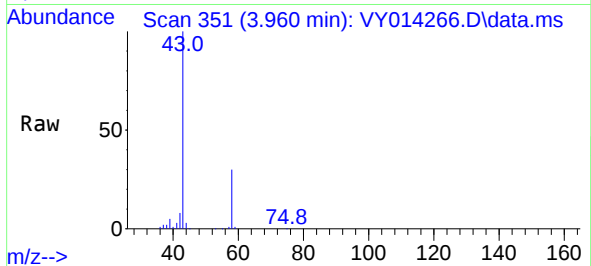




#16
Acetone
Concen: 215.027 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

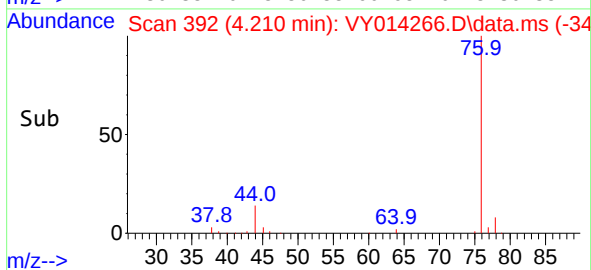
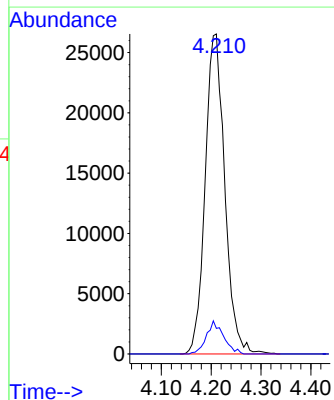
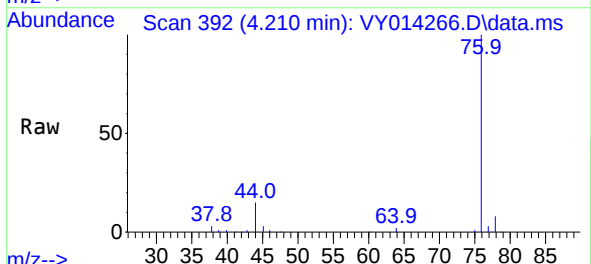
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

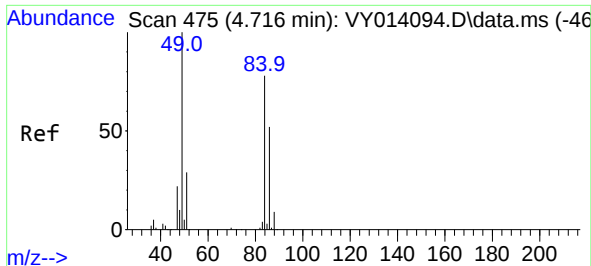
Tgt Ion: 43 Resp: 157885
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1



#17
Carbon Disulfide
Concen: 11.193 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.012 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 76 Resp: 72442
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4



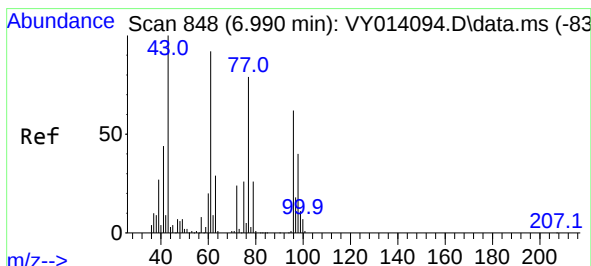
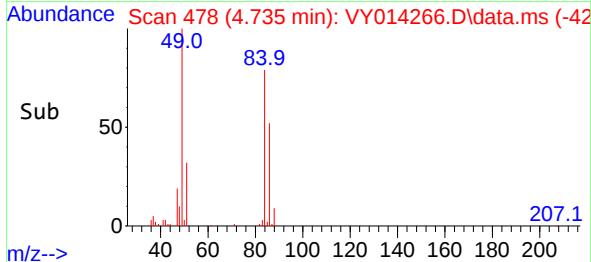
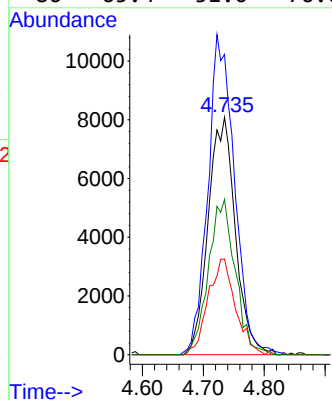
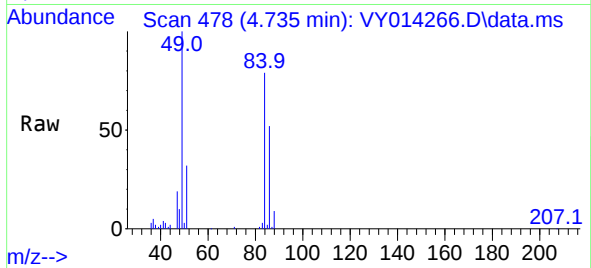


#20
Methylene Chloride
Concen: 7.667 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-1

Tgt Ion: 84 Resp: 25088

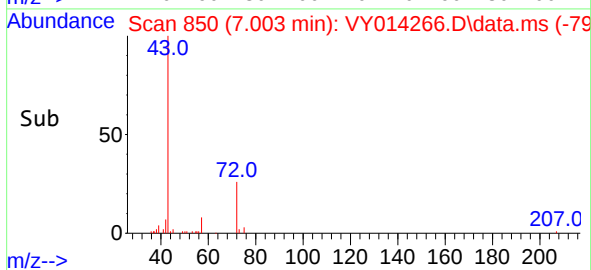
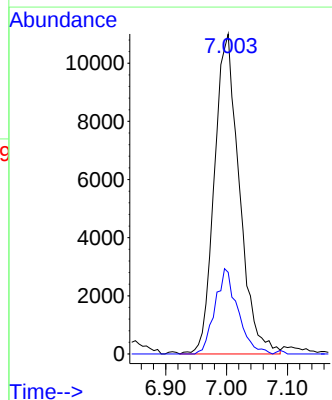
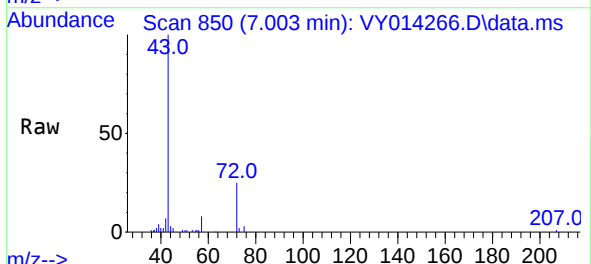
Ion	Ratio	Lower	Upper
84	100		
49	126.5	106.9	160.3
51	40.3	33.2	49.8
86	65.4	51.0	76.6

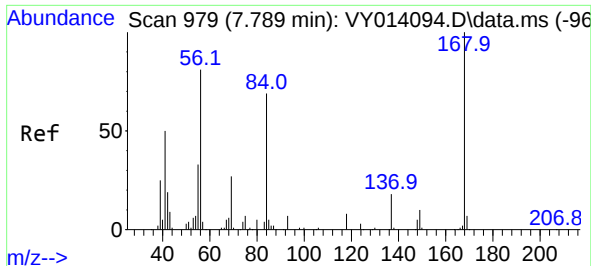


#25
2-Butanone
Concen: 34.685 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 43 Resp: 31350

Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.5	30.7

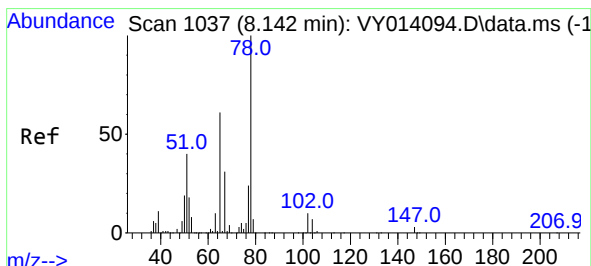
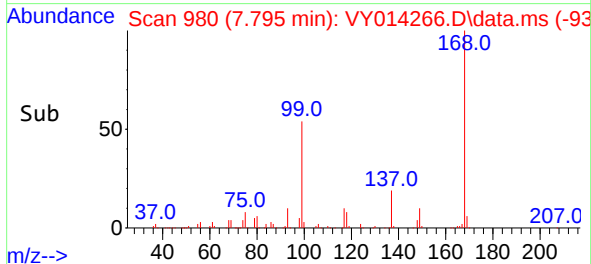
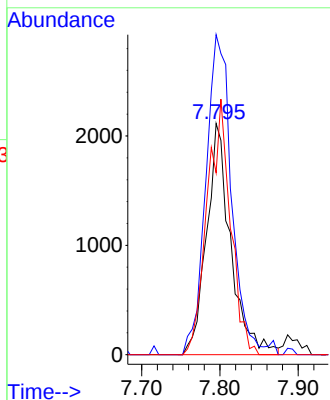
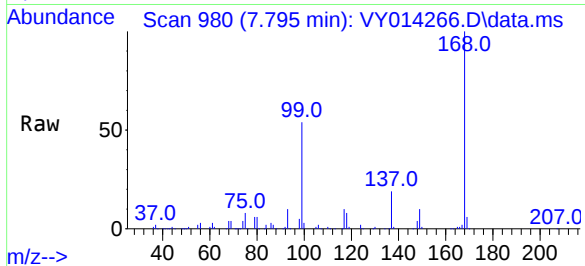




#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

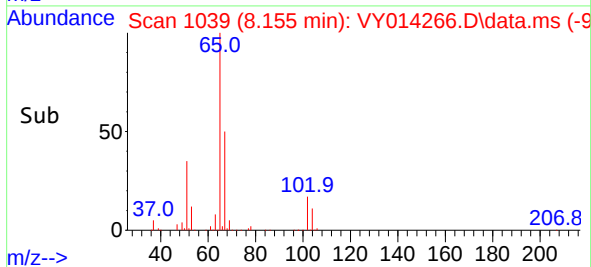
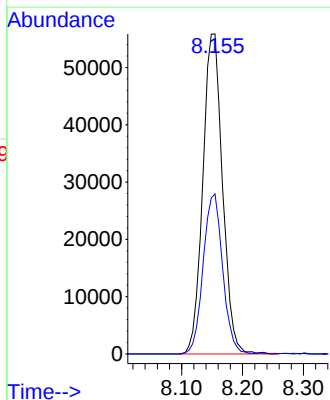
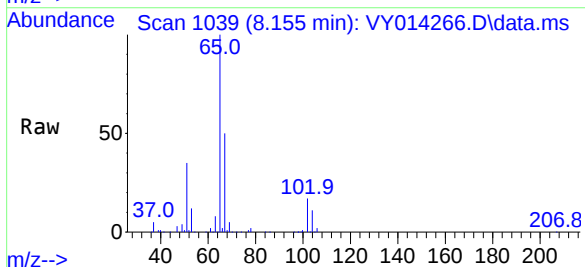
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

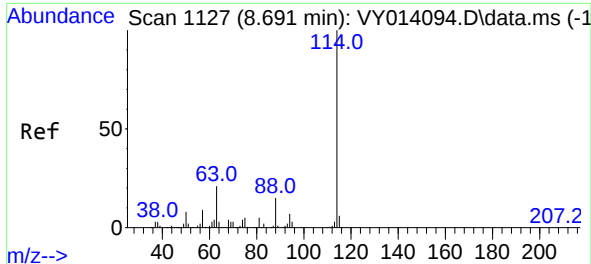
Tgt Ion: 56 Resp: 4531
Ion Ratio Lower Upper
56 100
69 138.4 27.8 41.6#
84 78.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 51.569 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 65 Resp: 125617
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014266.D

Acq: 20 Jun 2023 07:23

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

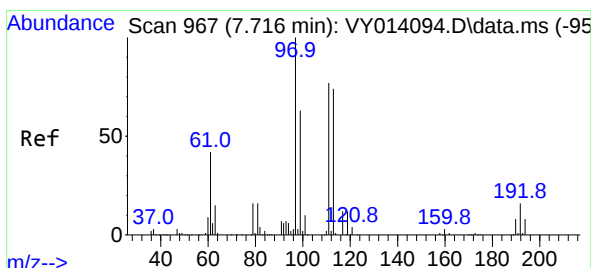
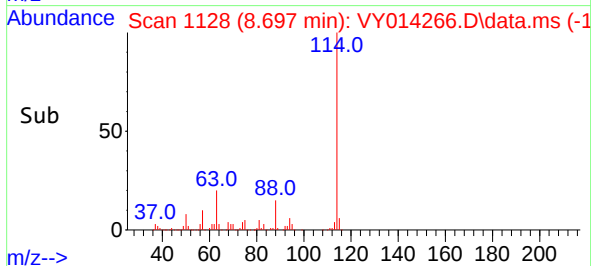
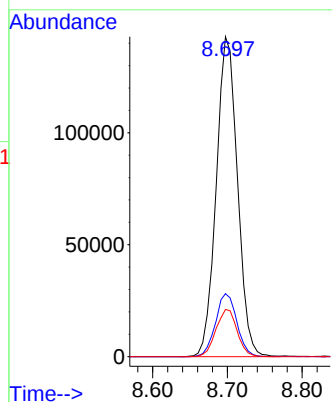
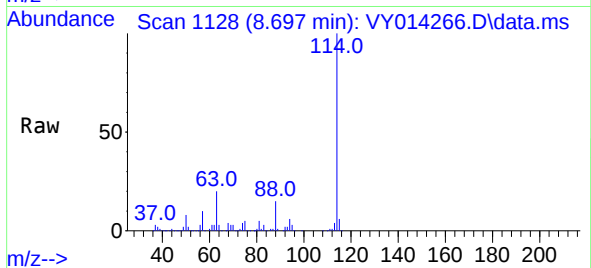
Tgt Ion:114 Resp: 281872

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.155 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014266.D

Acq: 20 Jun 2023 07:23

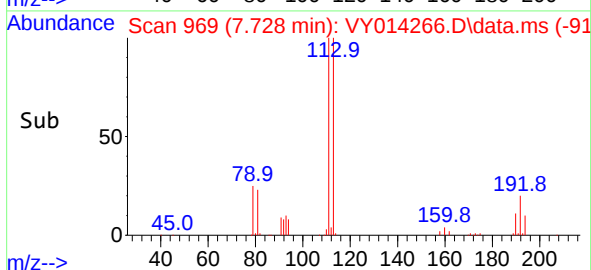
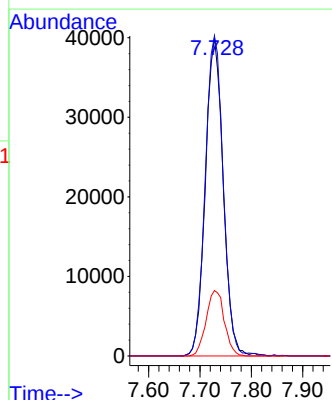
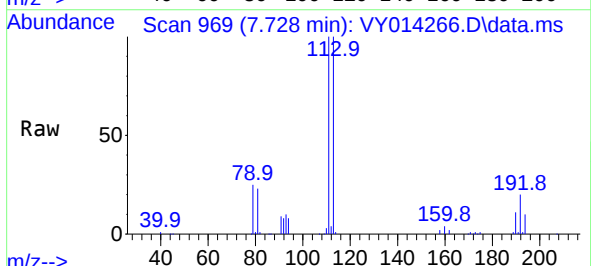
Tgt Ion:113 Resp: 96260

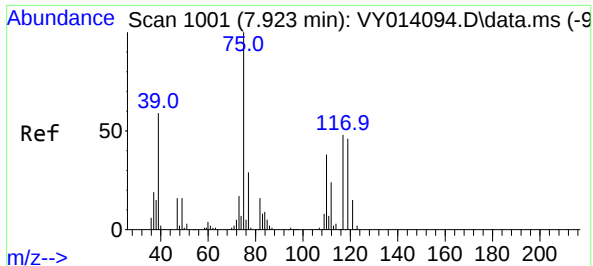
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 21.0 16.9 25.3

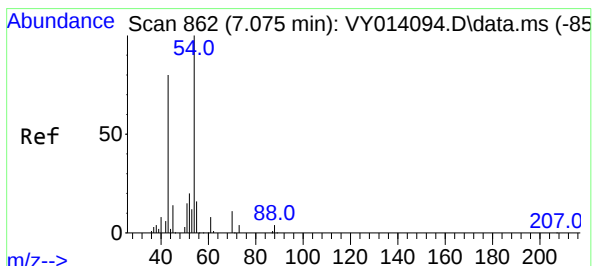
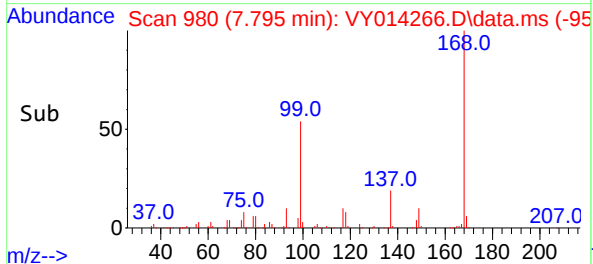
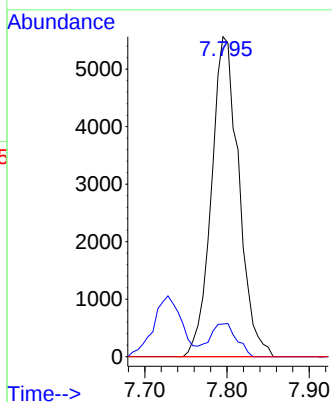
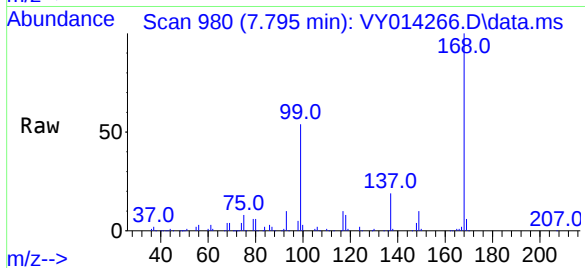




#36
 1,1-Dichloropropene
 Concen: 4.130 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014266.D
 Acq: 20 Jun 2023 07:23

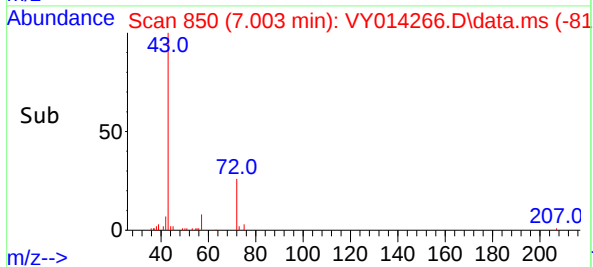
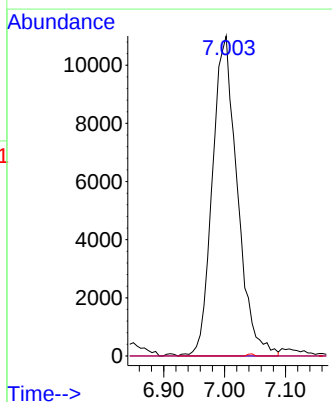
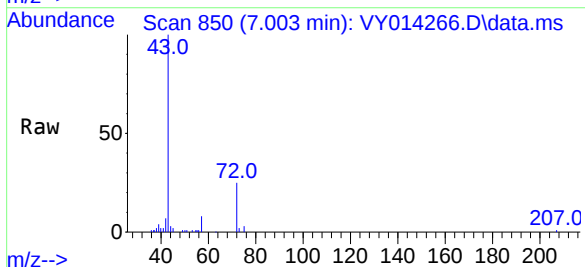
Instrument :
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 SB-1

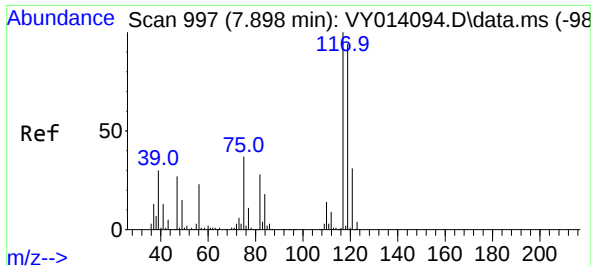
Tgt Ion: 75 Resp: 12872
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 14.579 ug/l
 RT: 7.003 min Scan# 850
 Delta R.T. -0.072 min
 Lab File: VY014266.D
 Acq: 20 Jun 2023 07:23

Tgt Ion: 43 Resp: 31350
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#

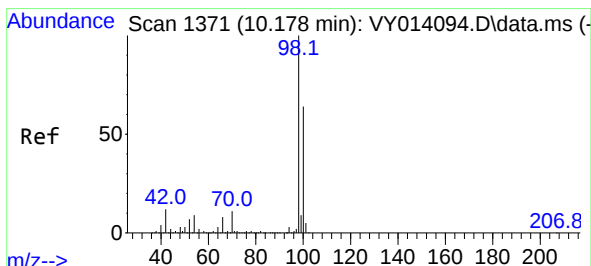
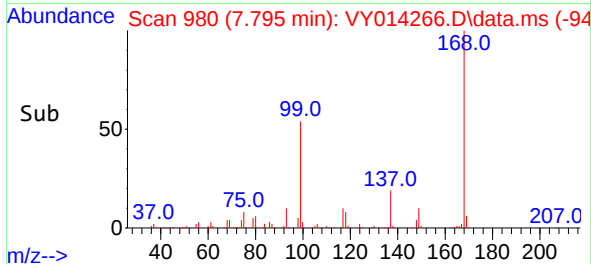
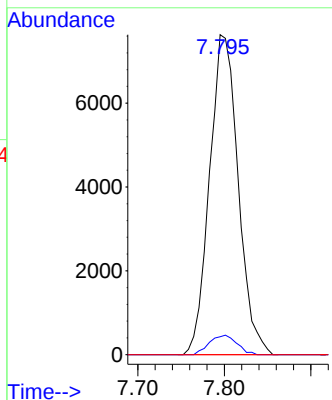
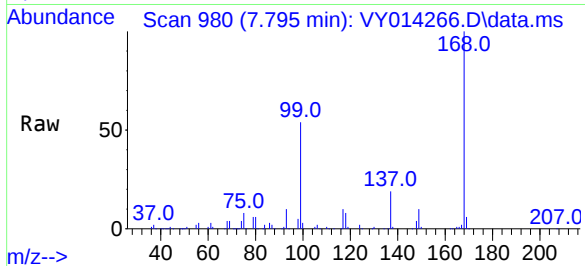




#38
Carbon Tetrachloride
Concen: 4.878 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

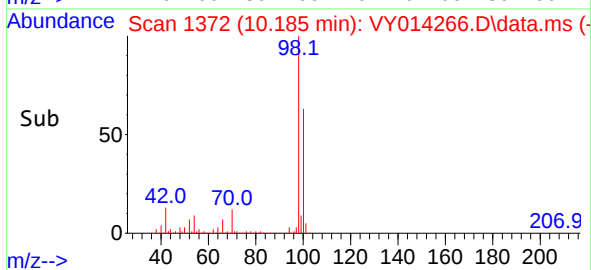
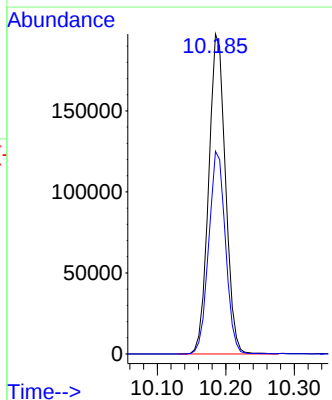
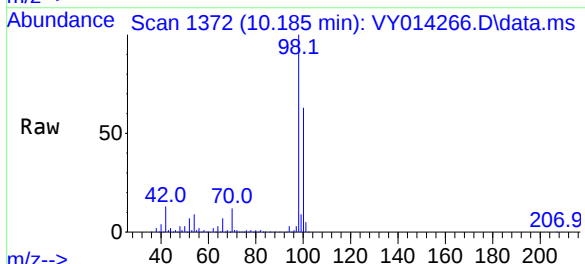
Instrument :
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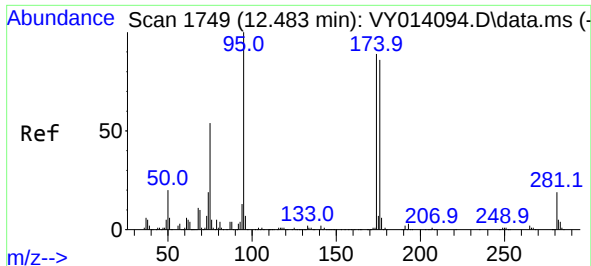
Tgt Ion:117 Resp: 17543
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.017 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 98 Resp: 336427
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1

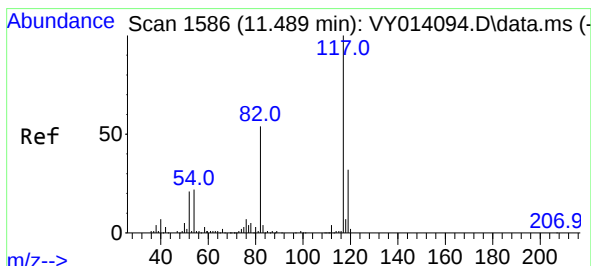
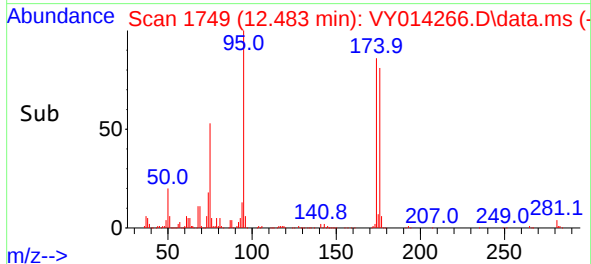
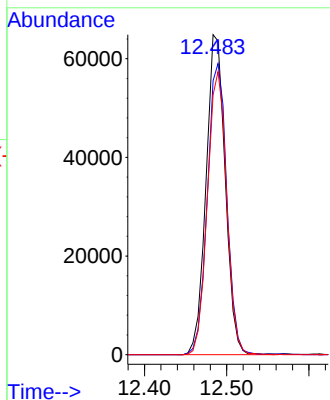
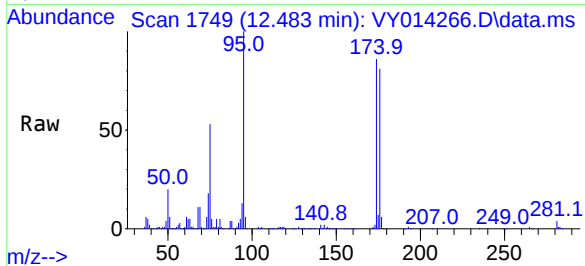




#62
4-Bromofluorobenzene
Concen: 39.677 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

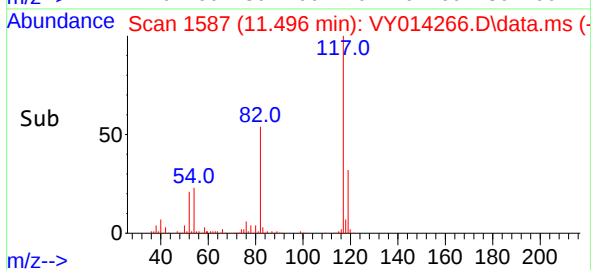
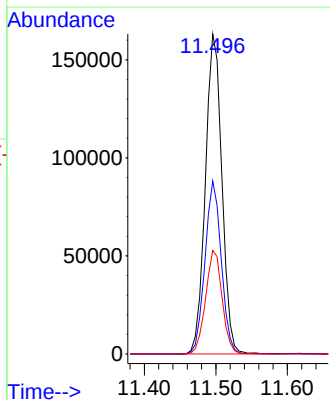
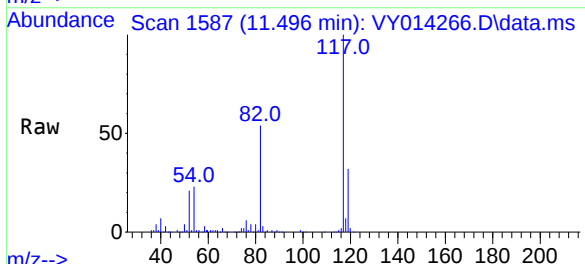
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

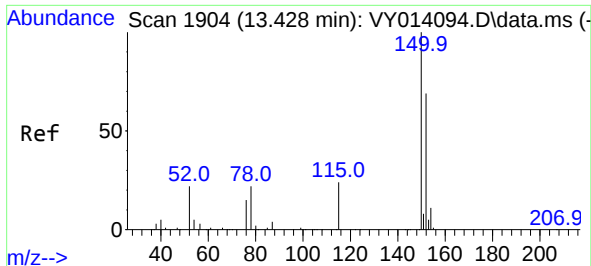
Tgt Ion: 95 Resp: 105332
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 88.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 117 Resp: 261796
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.4 26.3 39.5

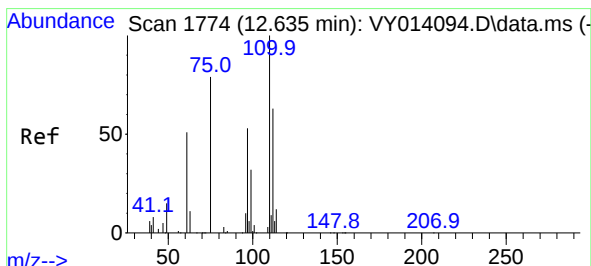
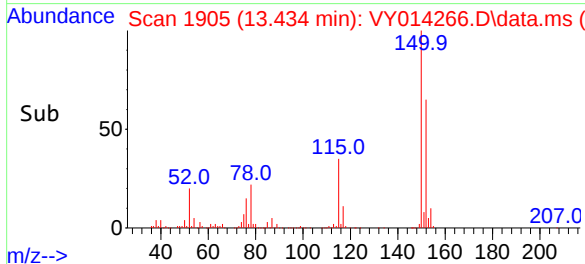
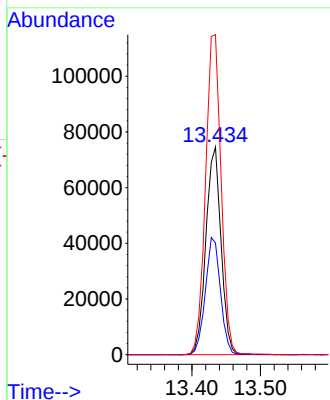
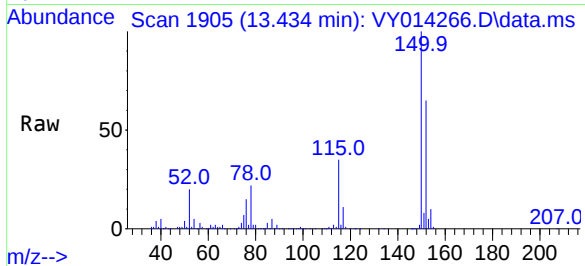




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

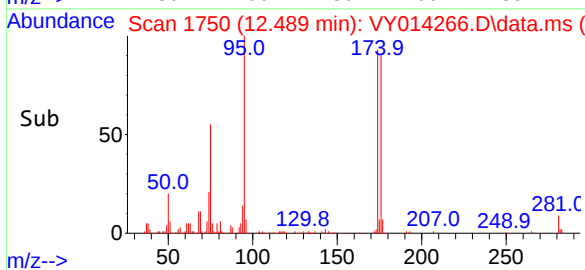
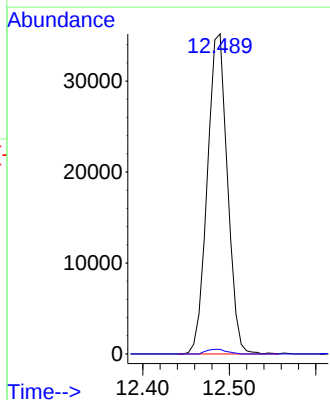
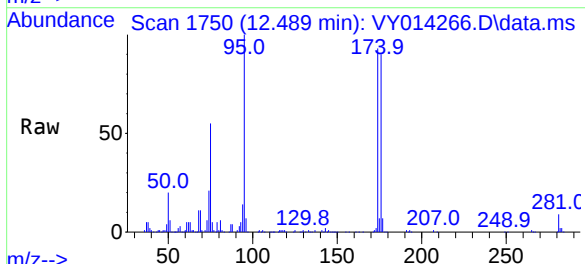
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

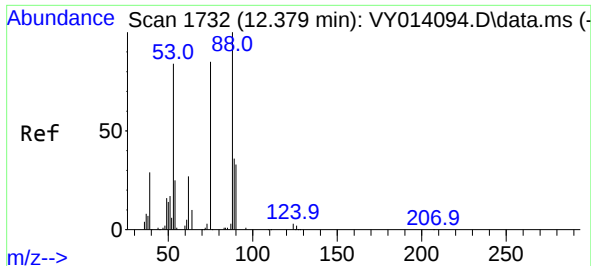
Tgt Ion:152 Resp: 115049
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 158.3 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 37.666 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Tgt Ion: 75 Resp: 56854
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 81.420 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014266.D
Acq: 20 Jun 2023 07:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-1

Tgt Ion: 75 Resp: 56854
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

