

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010882.D
 Acq On : 07 Oct 2022 19:06
 Operator : KP/MD
 Sample : N5046-13
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-13

Quant Time: Oct 08 04:48:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

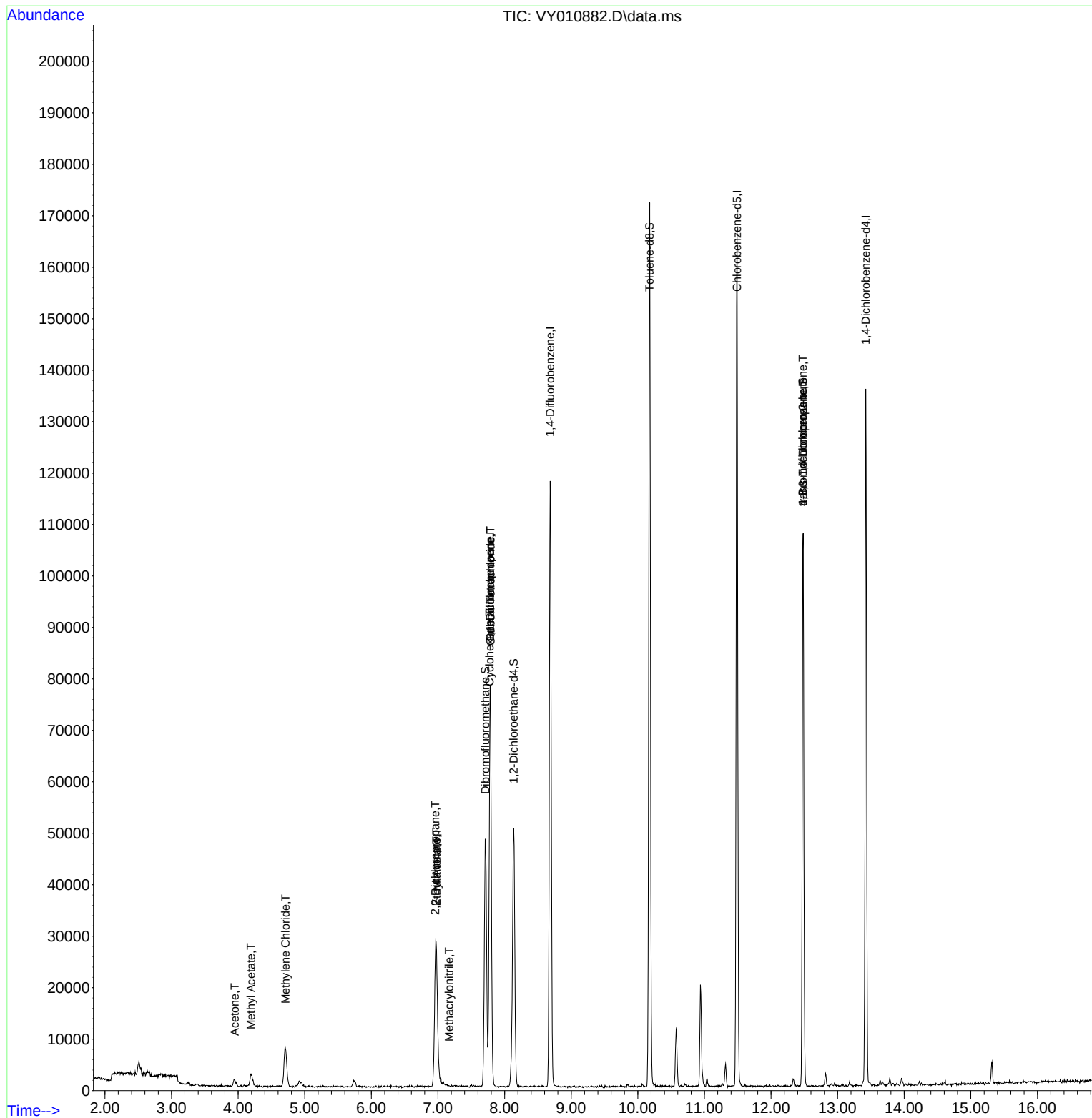
Internal Standards						
1) Pentafluorobenzene	7.783	168	59320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	101449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	89642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	34134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38188	63.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.020%	
35) Dibromofluoromethane	7.710	113	35446	52.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.280%	
50) Toluene-d8	10.179	98	115542	50.169	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.477	95	31493	33.810	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	775	Below Cal	#	77
16) Acetone	3.948	43	2310	15.127	ug/l	98
18) Methyl Acetate	4.192	43	1021	2.617	ug/l #	56
20) Methylene Chloride	4.710	84	5847	3.928	ug/l #	82
25) 2-Butanone	6.978	43	1906	8.681	ug/l #	86
26) 2,2-Dichloropropane	6.960	77	2203	2.070	ug/l #	55
31) Cyclohexane	7.777	56	1182	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5102	5.248	ug/l #	50
37) Ethyl Acetate	6.978	43	1906	3.995	ug/l #	1
38) Carbon Tetrachloride	7.789	117	5960	5.886	ug/l #	16
41) Methacrylonitrile	7.167	41	20	2.649	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	17177	49.692	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17177	103.802	ug/l #	7

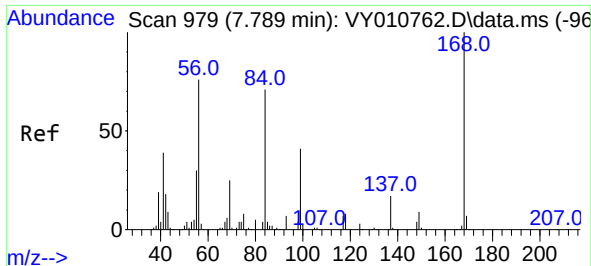
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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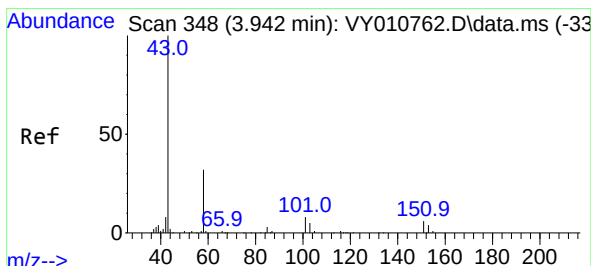
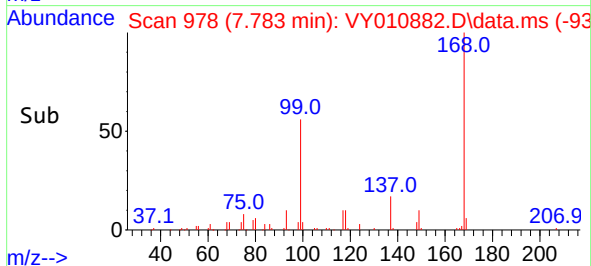
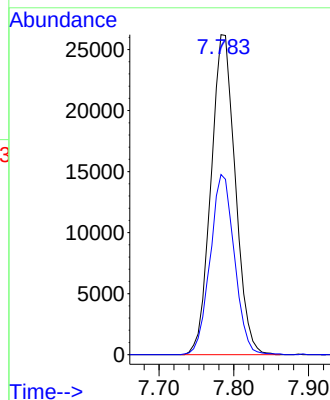
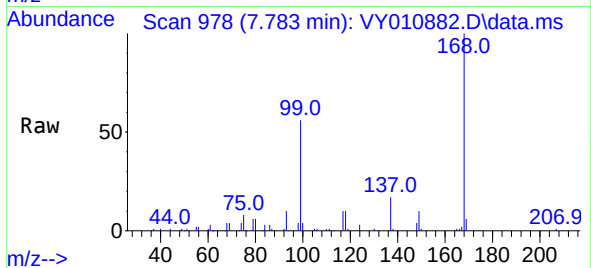




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

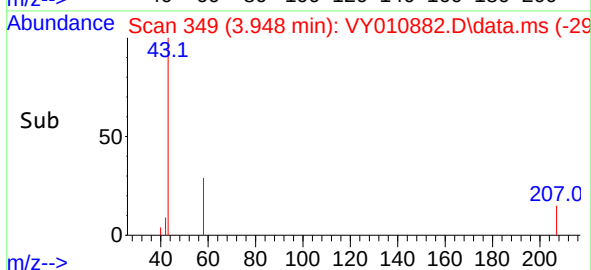
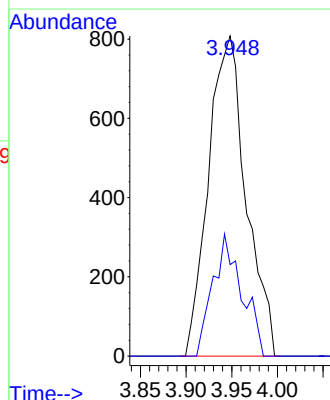
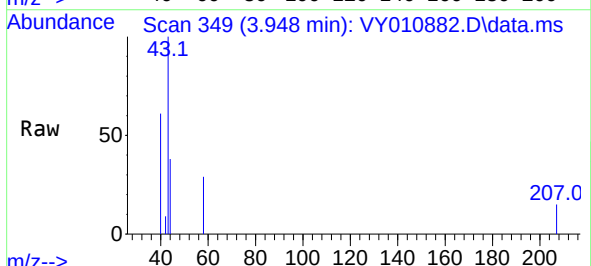
Instrument :
MSVOA_Y
ClientSampleId :
R-13

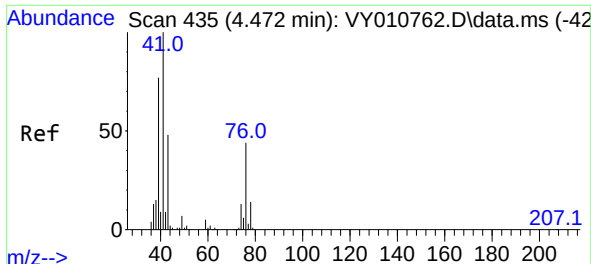
Tgt Ion:168 Resp: 59320
Ion Ratio Lower Upper
168 100
99 56.3 46.9 70.3



#16
Acetone
Concen: 15.127 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
58 28.6 22.0 33.0

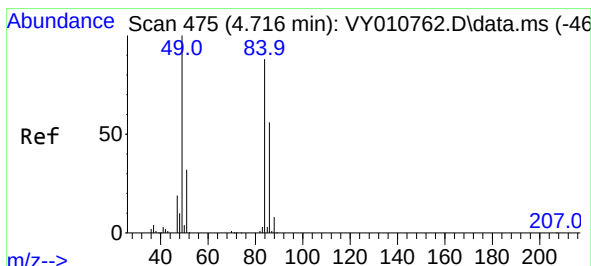
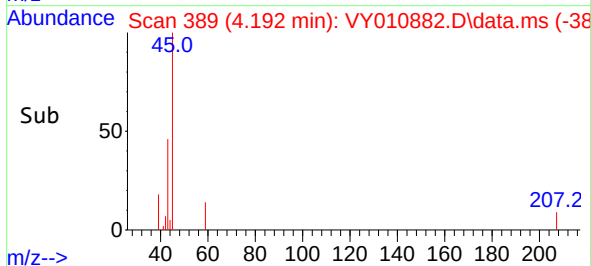
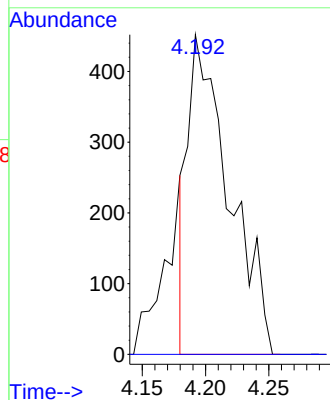
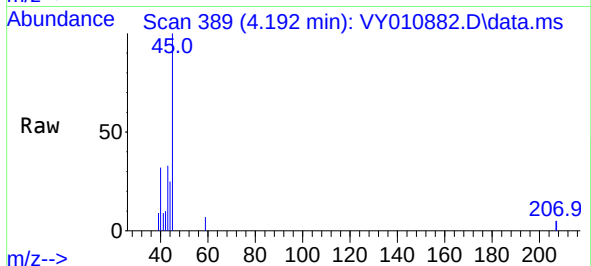




#18
Methyl Acetate
Concen: 2.617 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.280 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

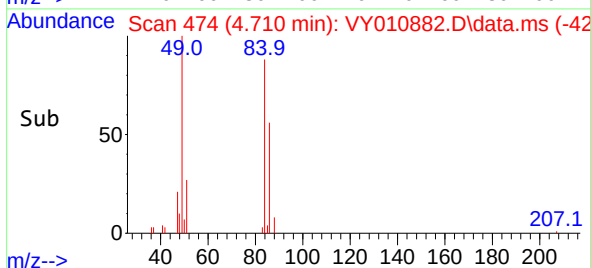
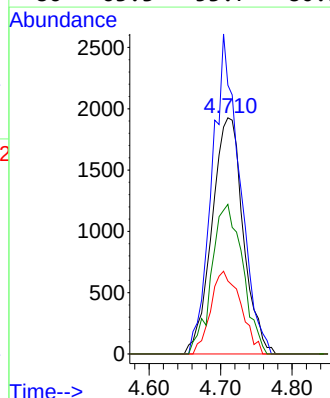
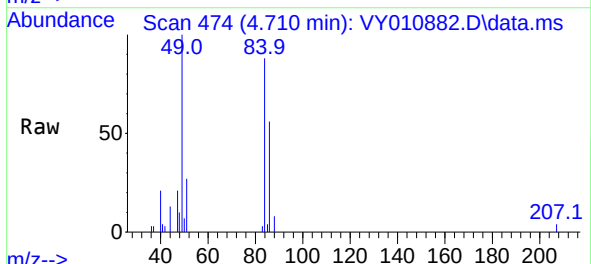
Instrument :
MSVOA_Y
ClientSampleId :
R-13

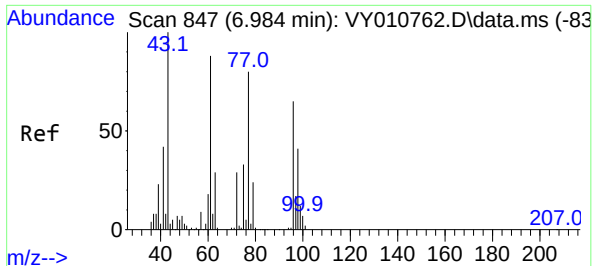
Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.928 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 84 Resp: 5847
Ion Ratio Lower Upper
84 100
49 113.9 114.4 171.6#
51 30.9 35.3 52.9#
86 63.3 53.7 80.5





#25

2-Butanone

Concen: 8.681 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010882.D

Acq: 07 Oct 2022 19:06

Instrument :

MSVOA_Y

ClientSampleId :

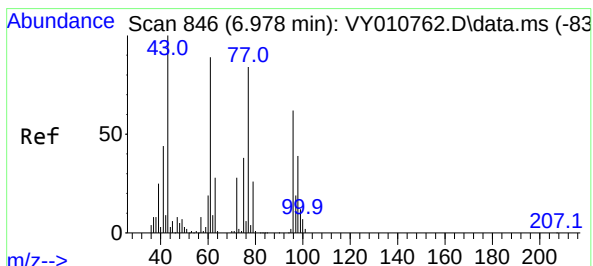
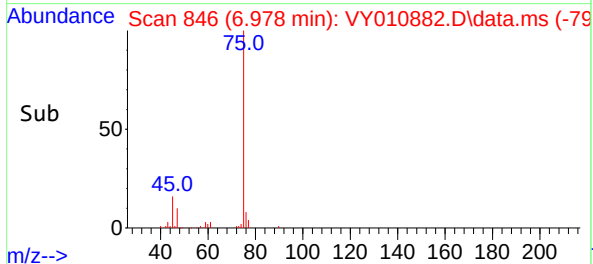
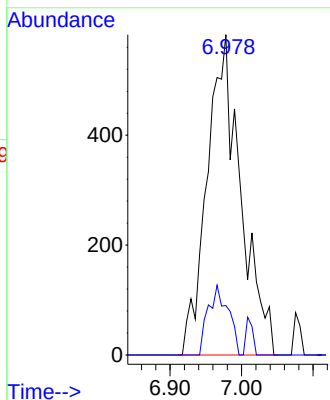
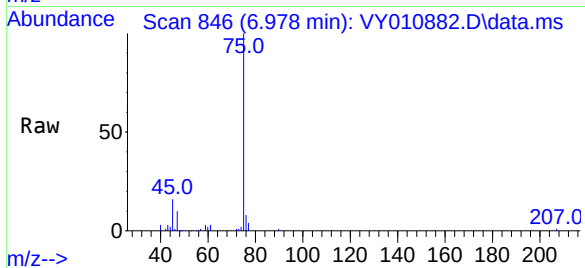
R-13

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

72 15.4 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.070 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY010882.D

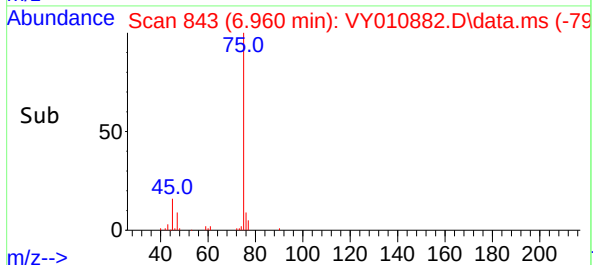
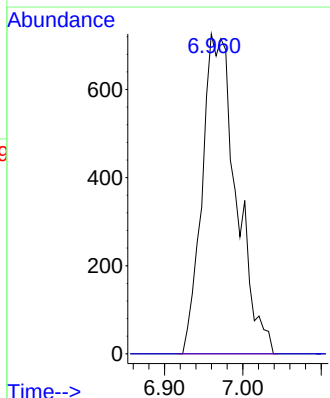
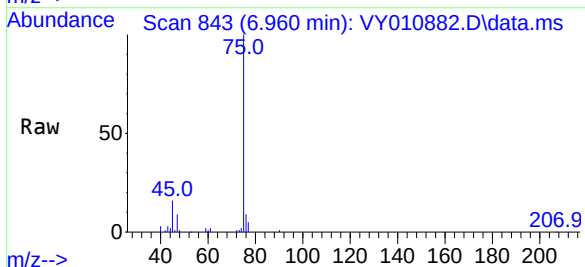
Acq: 07 Oct 2022 19:06

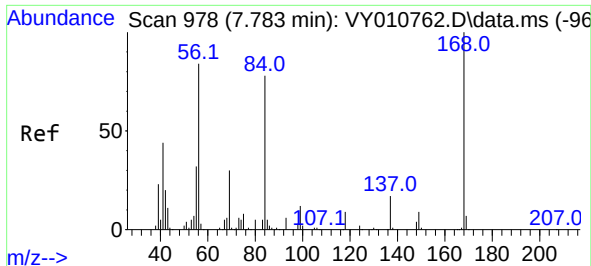
Tgt Ion: 77 Resp: 2203

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

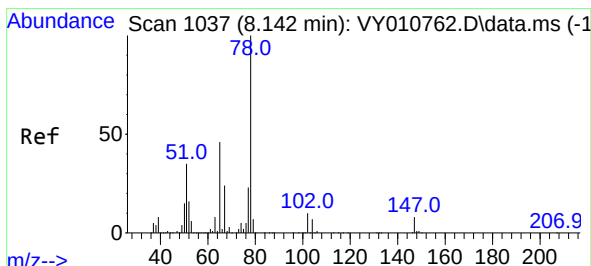
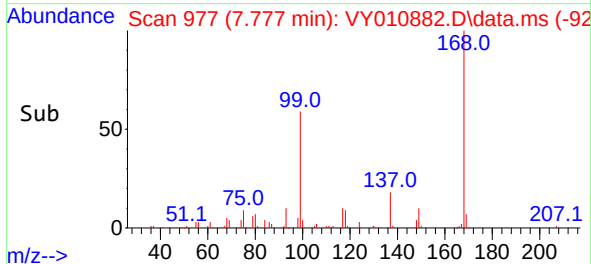
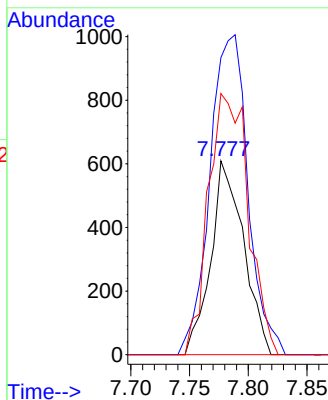
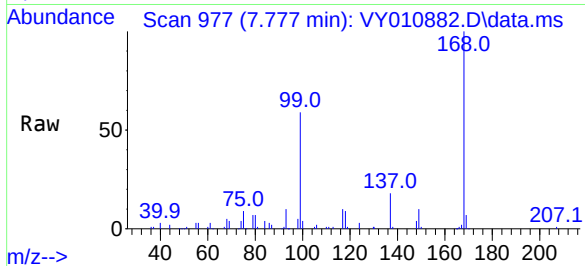




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

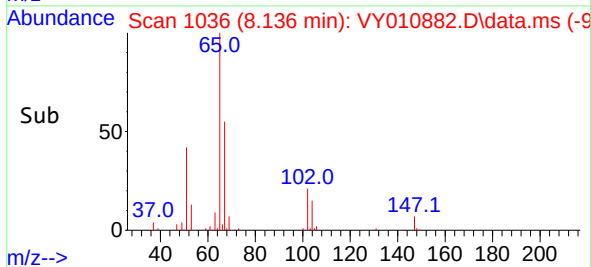
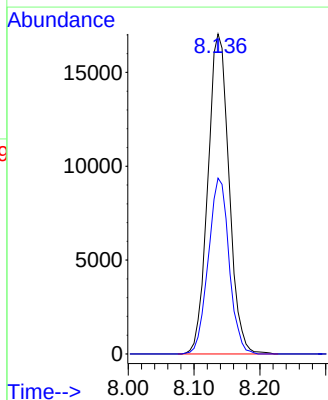
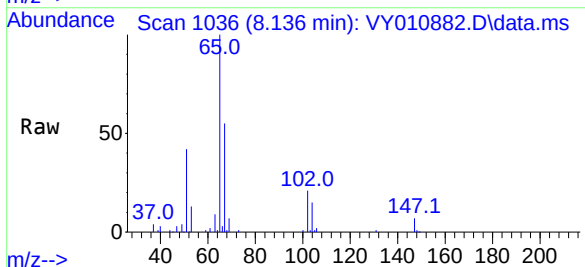
Instrument :
MSVOA_Y
ClientSampleId :
R-13

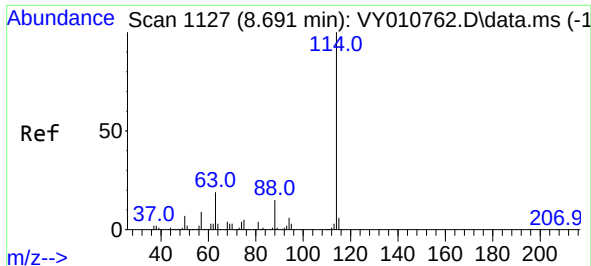
Tgt Ion: 56 Resp: 1182
Ion Ratio Lower Upper
56 100
69 153.4 26.7 40.1#
84 134.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.511 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 65 Resp: 38188
Ion Ratio Lower Upper
65 100
67 53.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010882.D

Acq: 07 Oct 2022 19:06

Instrument :

MSVOA_Y

ClientSampleId :

R-13

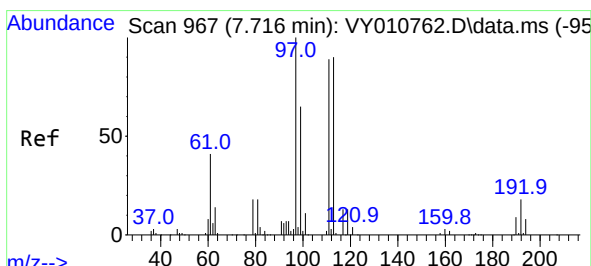
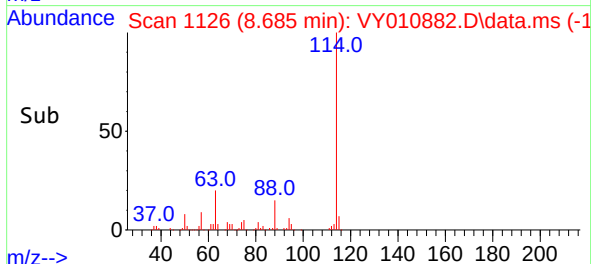
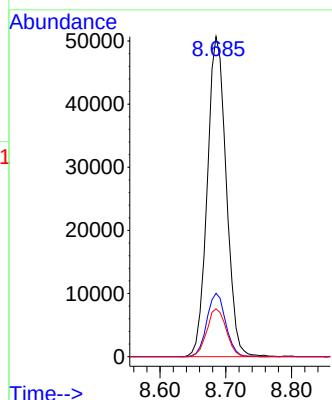
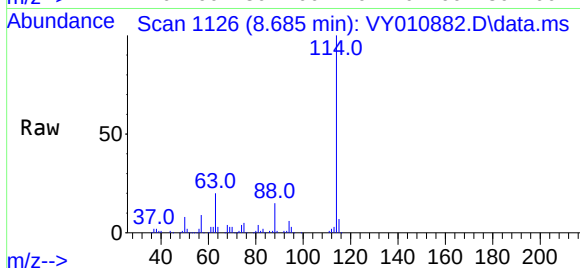
Tgt Ion:114 Resp: 101449

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.635 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010882.D

Acq: 07 Oct 2022 19:06

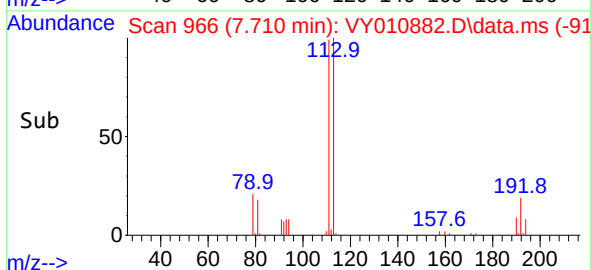
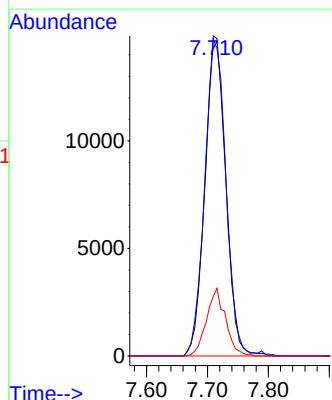
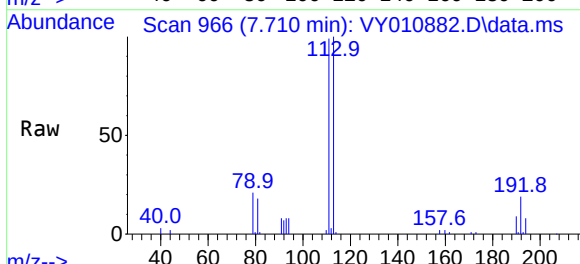
Tgt Ion:113 Resp: 35446

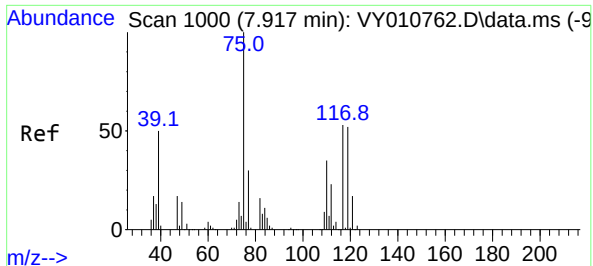
Ion Ratio Lower Upper

113 100

111 100.6 82.6 124.0

192 19.2 17.6 26.4

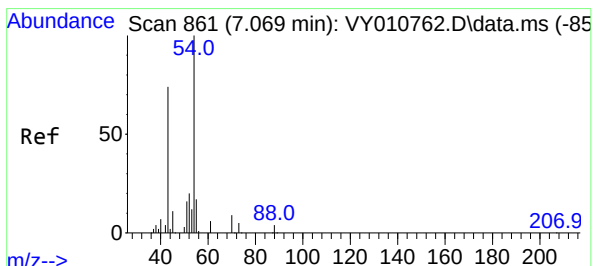
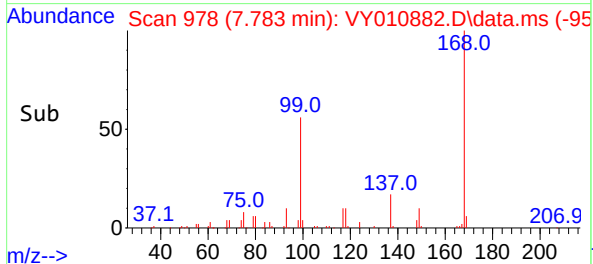
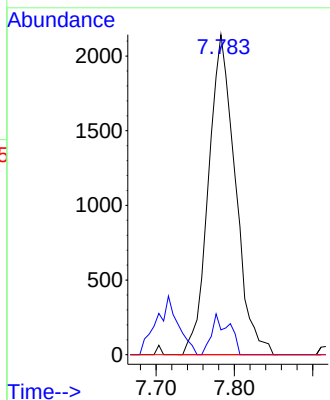
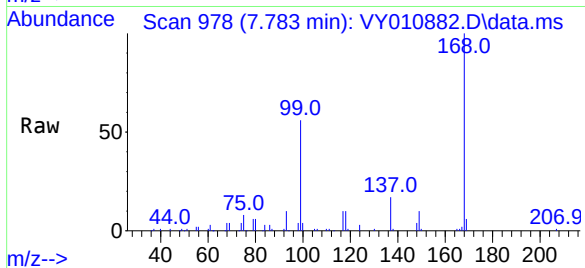




#36
1,1-Dichloropropene
Concen: 5.248 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

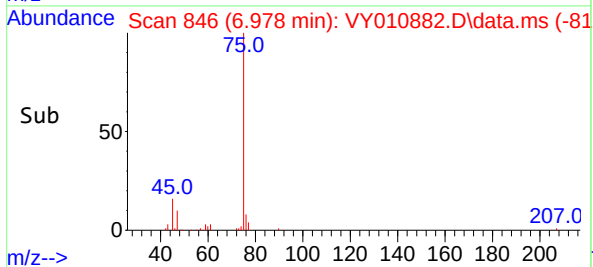
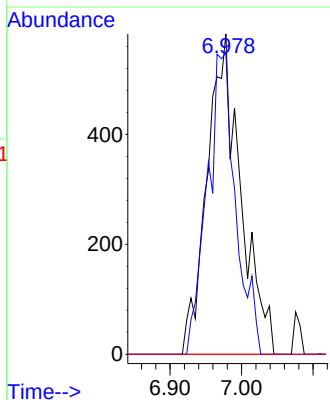
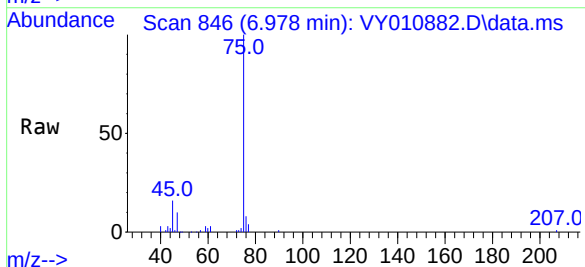
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ClientSampleId :
R-13

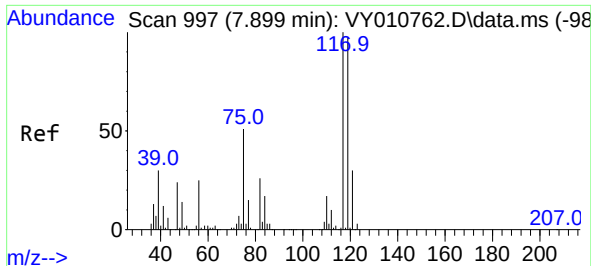
Tgt Ion: 75 Resp: 5102
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.995 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
61 79.6 9.7 14.5#
70 0.0 7.1 10.7#

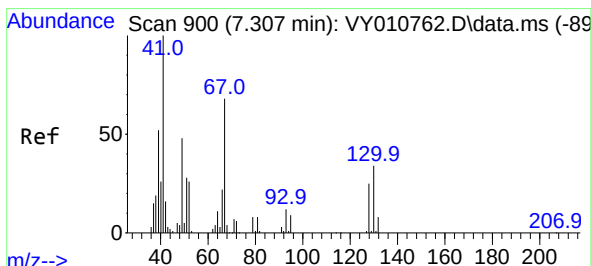
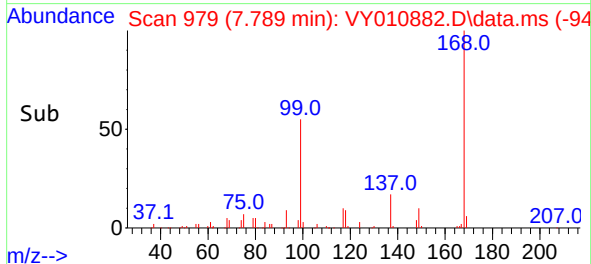
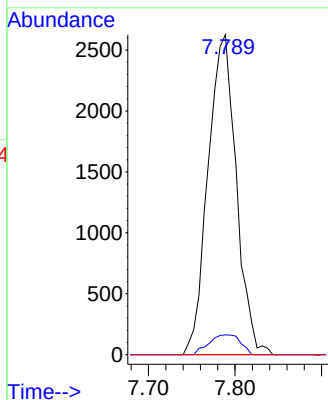
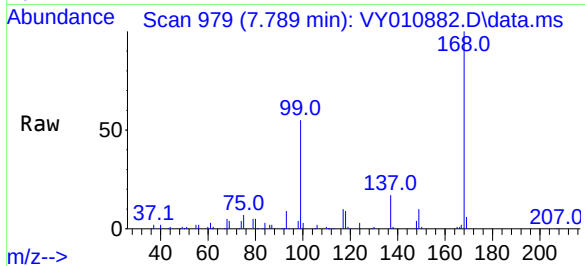




#38
Carbon Tetrachloride
Concen: 5.886 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

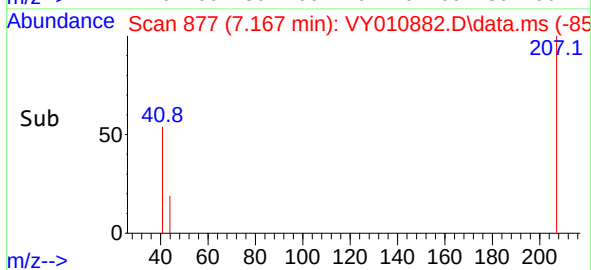
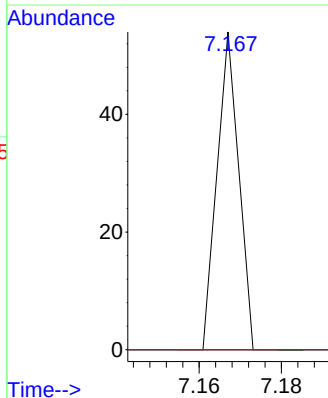
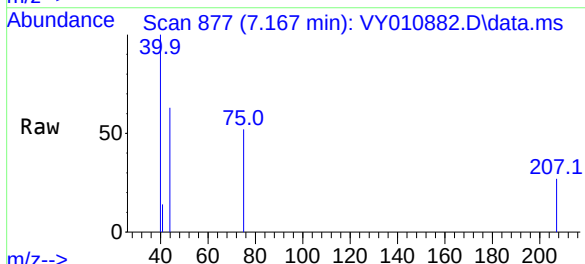
Instrument :
MSVOA_Y
ClientSampleId :
R-13

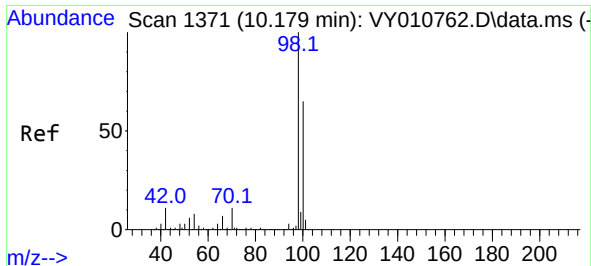
Tgt Ion:117 Resp: 5960
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.649 ug/l
RT: 7.167 min Scan# 877
Delta R.T. -0.140 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

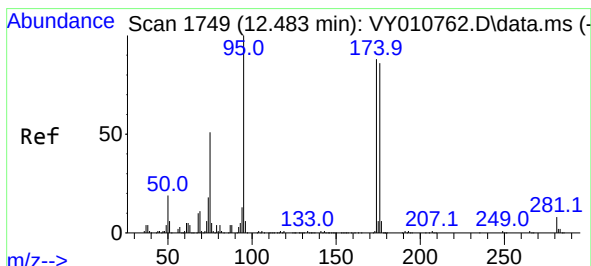
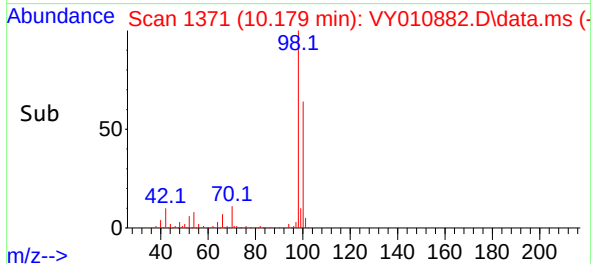
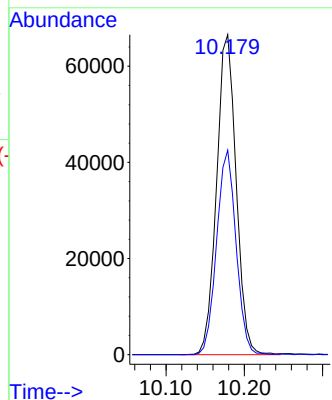
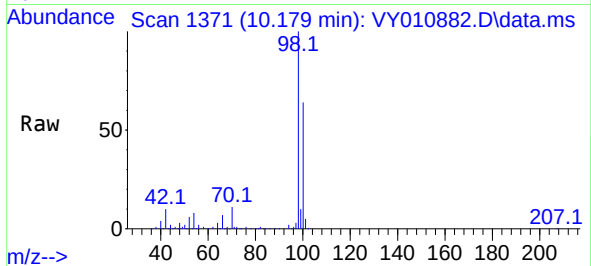




#50
Toluene-d8
Concen: 50.169 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

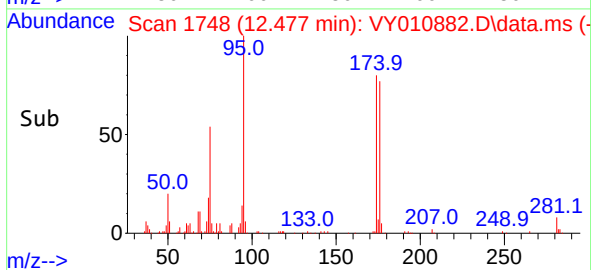
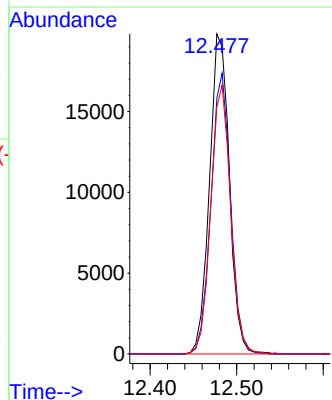
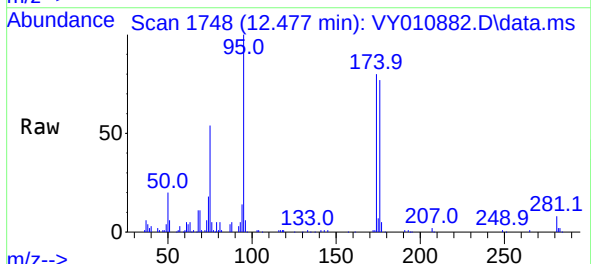
Instrument :
MSVOA_Y
ClientSampleId :
R-13

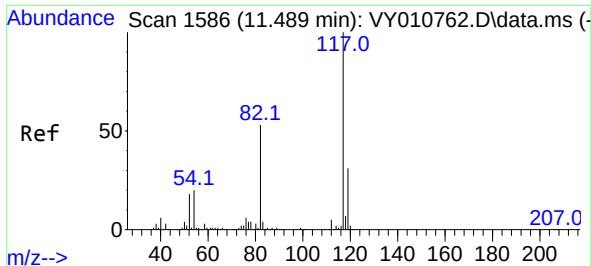
Tgt Ion: 98 Resp: 115542
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 33.810 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 95 Resp: 31493
Ion Ratio Lower Upper
95 100
174 87.1 0.0 177.0
176 83.5 0.0 175.8

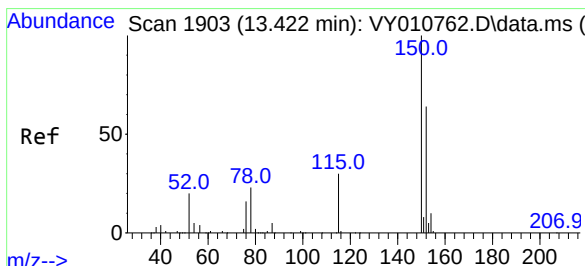
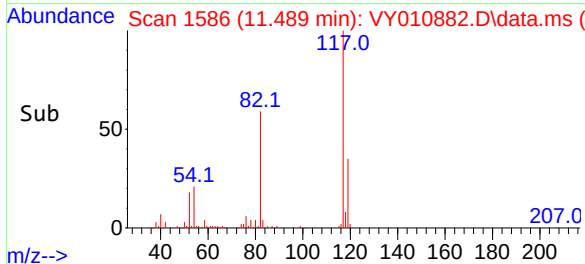
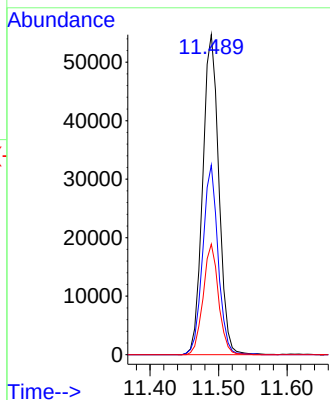
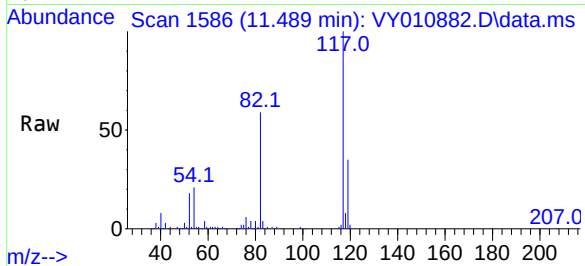




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

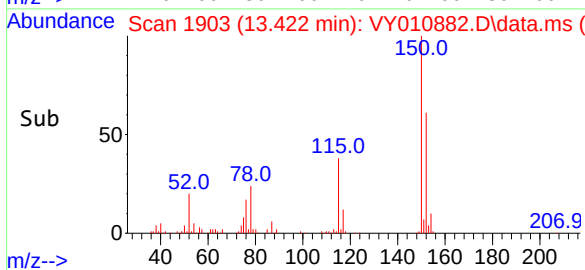
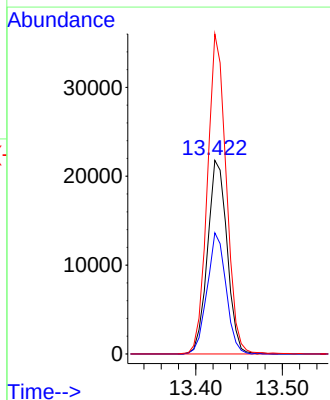
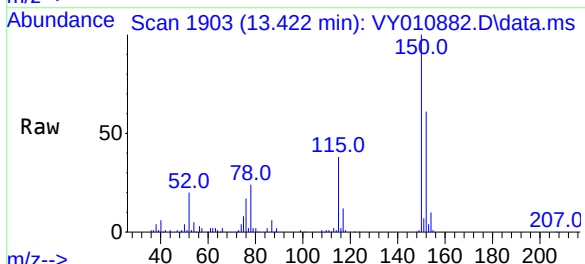
Instrument :
MSVOA_Y
ClientSampleId :
R-13

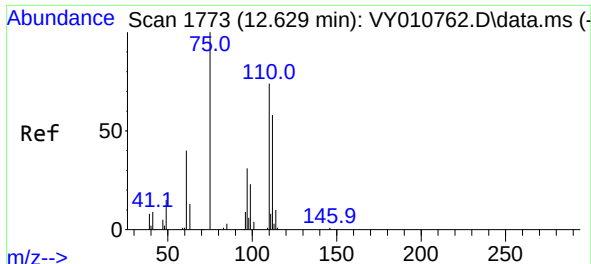
Tgt Ion:	117	Resp:	89642
Ion Ratio	Lower	Upper	
117	100		
82	59.3	43.0	64.4
119	34.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion:	152	Resp:	34134
Ion Ratio	Lower	Upper	
152	100		
115	60.6	28.2	84.7
150	159.5	0.0	347.6

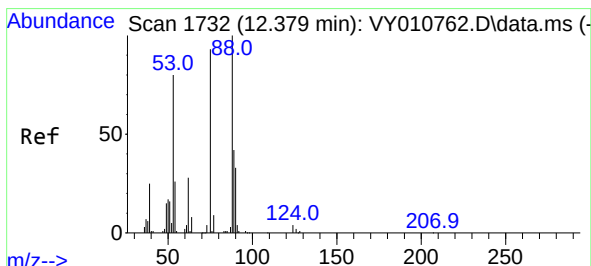
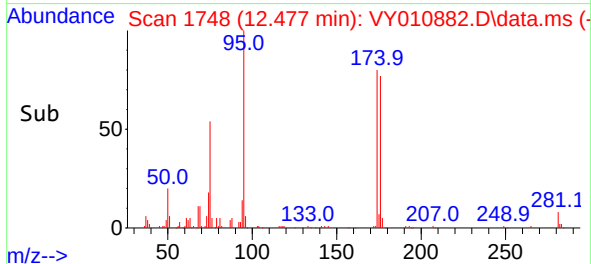
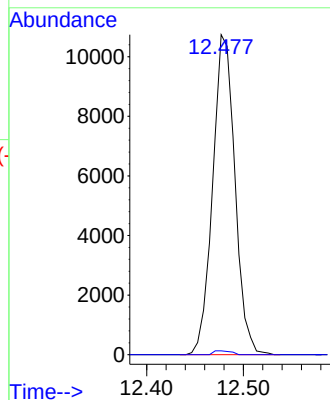
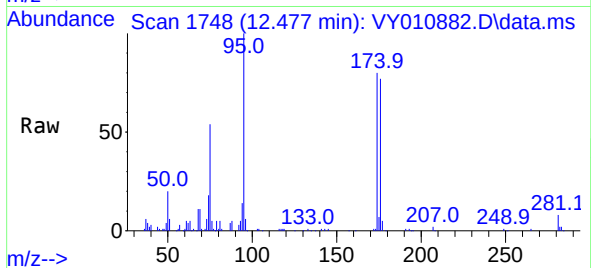




#76
1,2,3-Trichloropropane
Concen: 49.692 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Instrument :
MSVOA_Y
ClientSampleId :
R-13

Tgt Ion: 75 Resp: 17177
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.802 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010882.D
Acq: 07 Oct 2022 19:06

Tgt Ion: 75 Resp: 17177
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

