

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010825.D
 Acq On : 05 Oct 2022 17:09
 Operator : KP/MD
 Sample : N5004-05
 Misc : 6.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-18

Quant Time: Oct 06 09:22:18 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)

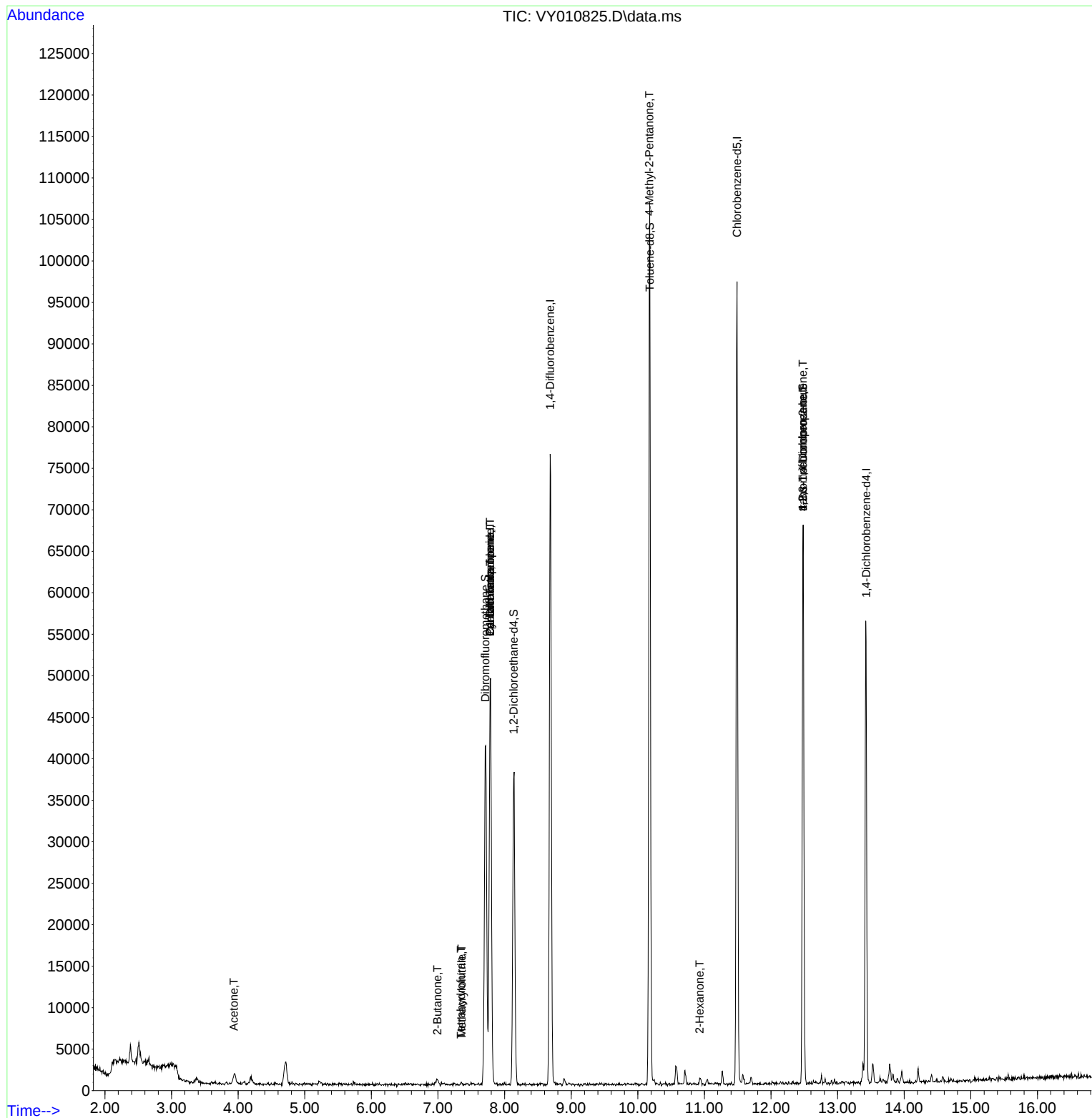
Internal Standards						
1) Pentafluorobenzene	7.783	168	39261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	66291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	29347	73.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.480%
35) Dibromofluoromethane	7.710	113	29519	67.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	134.160%
50) Toluene-d8	10.179	98	71778	47.696	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.400%
62) 4-Bromofluorobenzene	12.477	95	19375	31.600	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	25	Below Cal	#	77
16) Acetone	3.936	43	2250	22.261	ug/l #	89
20) Methylene Chloride	4.710	84	2238	Below Cal		87
25) 2-Butanone	6.990	43	1196	8.231	ug/l	99
29) Tetrahydrofuran	7.344	42	108	1.264	ug/l #	38
31) Cyclohexane	7.783	56	940	1.320	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	3232	5.088	ug/l #	46
38) Carbon Tetrachloride	7.783	117	3854	5.825	ug/l #	16
41) Methacrylonitrile	7.356	41	52	2.851	ug/l #	1
51) 4-Methyl-2-Pentanone	10.173	43	356	1.153	ug/l #	1
59) 2-Hexanone	10.929	43	390	1.824	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	10349	68.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	10349	142.429	ug/l #	7

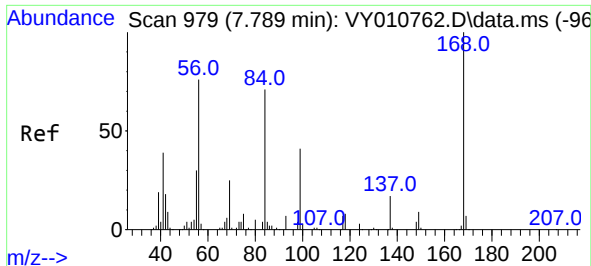
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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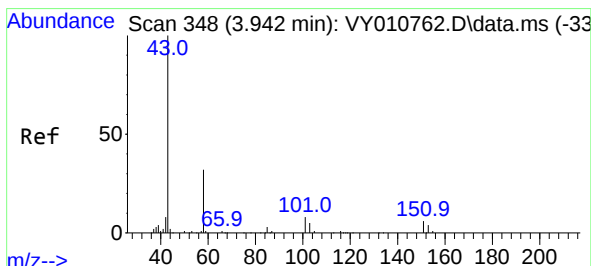
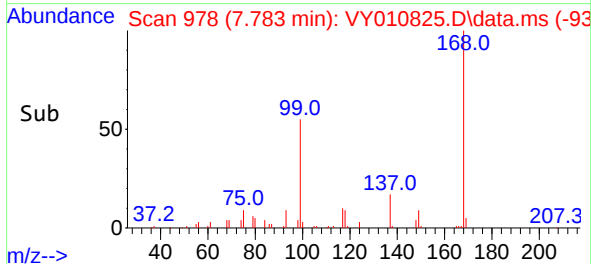
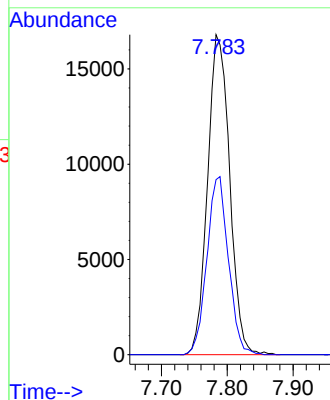
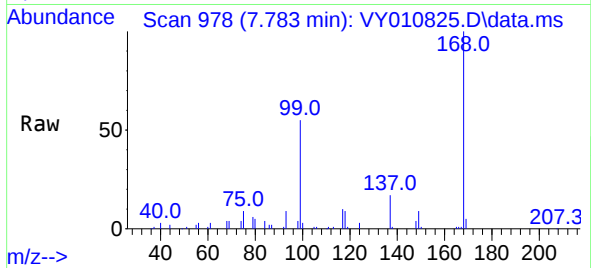




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

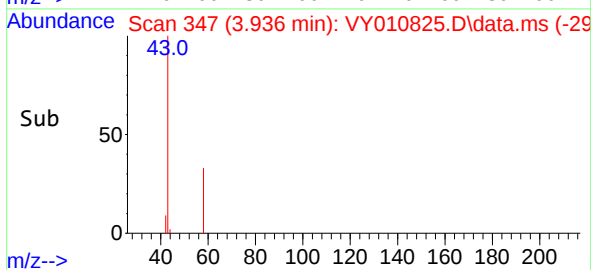
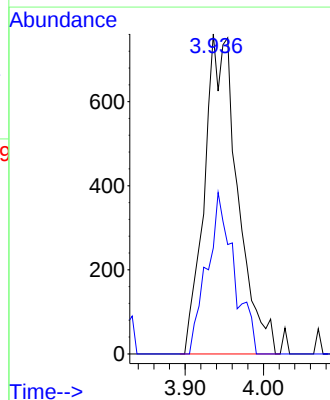
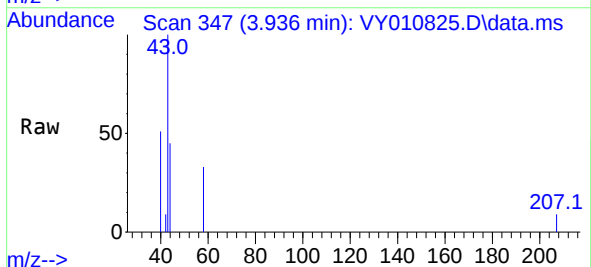
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18

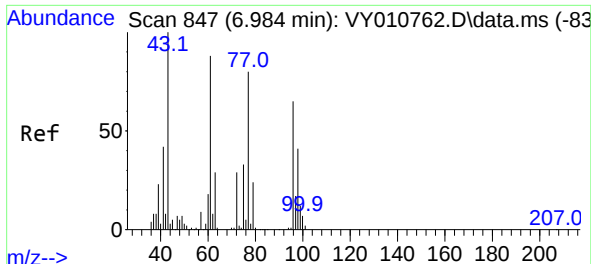
Tgt Ion:168 Resp: 39261
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#16
Acetone
Concen: 22.261 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

Tgt Ion: 43 Resp: 2250
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#





#25

2-Butanone

Concen: 8.231 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

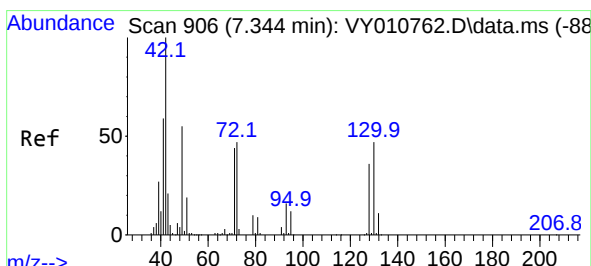
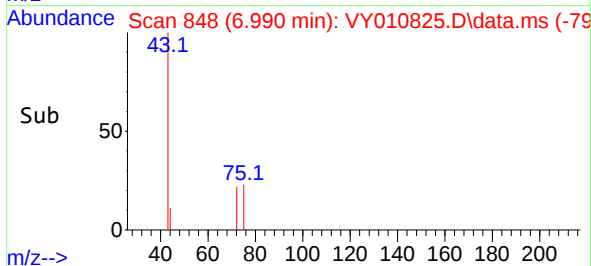
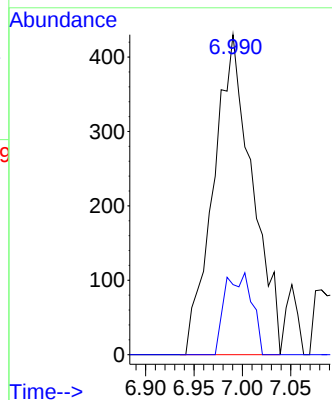
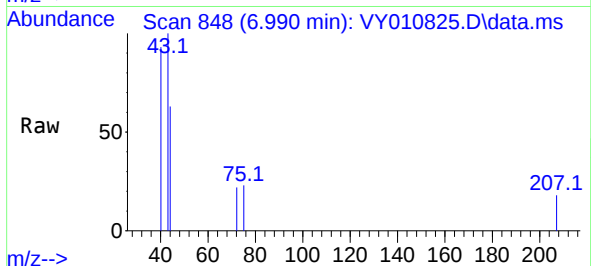
D22010-18

Tgt Ion: 43 Resp: 1196

Ion Ratio Lower Upper

43 100

72 21.9 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.264 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

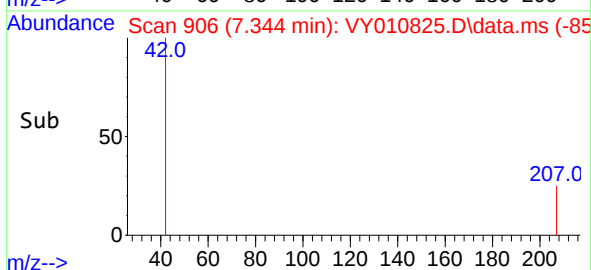
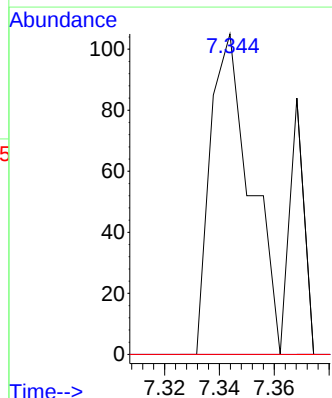
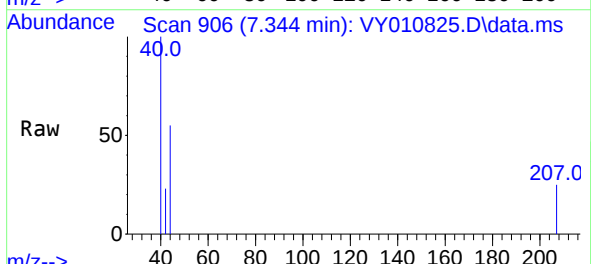
Tgt Ion: 42 Resp: 108

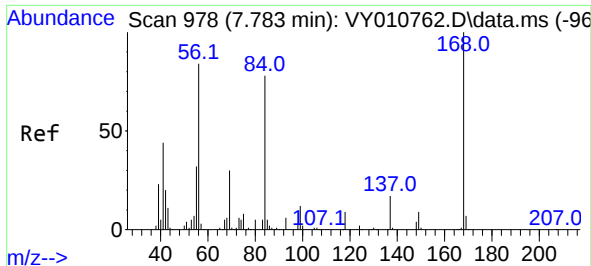
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#

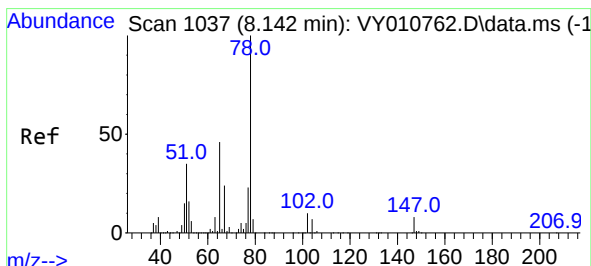
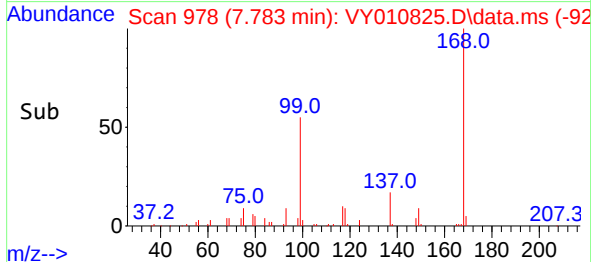
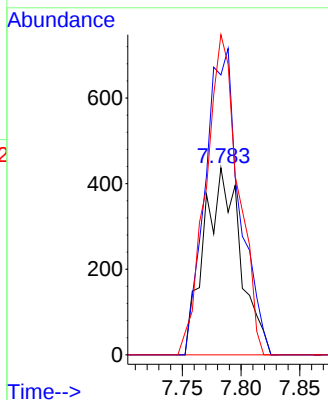
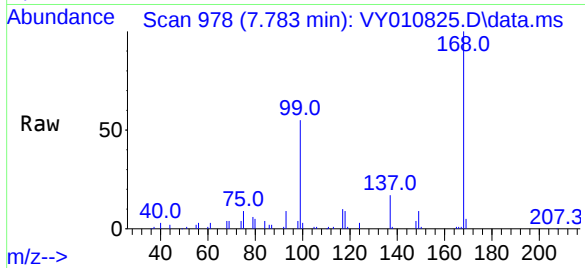




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

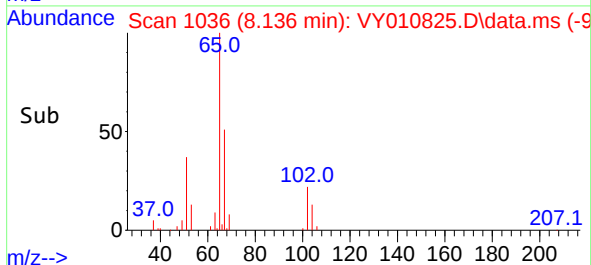
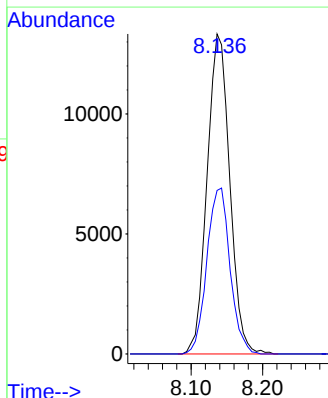
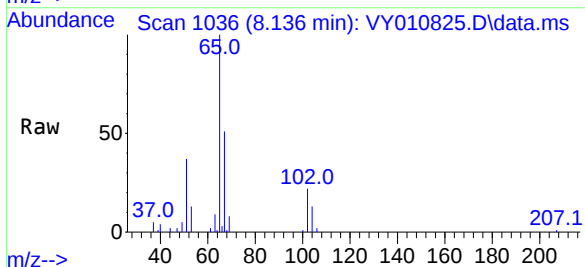
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18

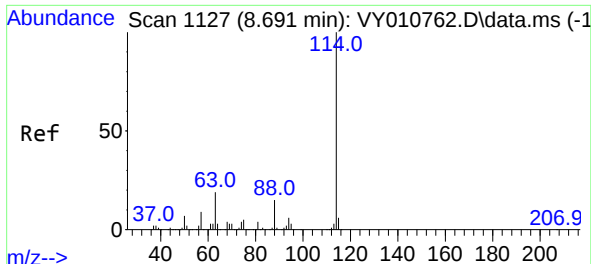
Tgt Ion: 56 Resp: 940
Ion Ratio Lower Upper
56 100
69 149.7 26.7 40.1#
84 171.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 73.744 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

Tgt Ion: 65 Resp: 29347
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

D22010-18

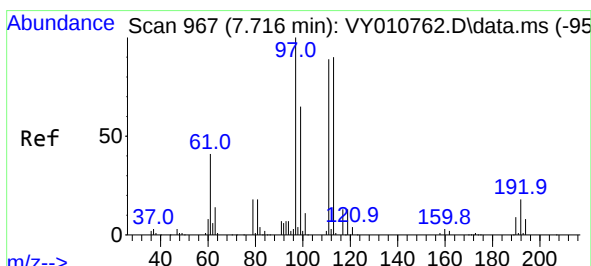
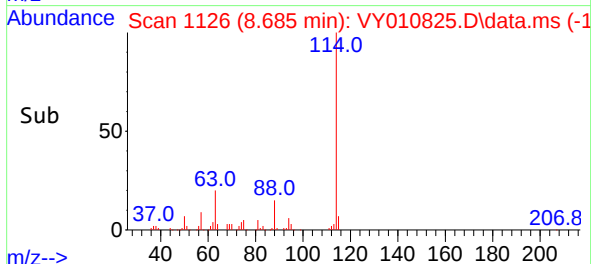
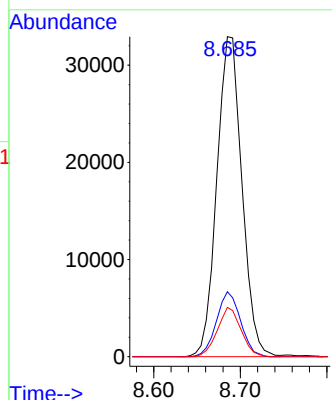
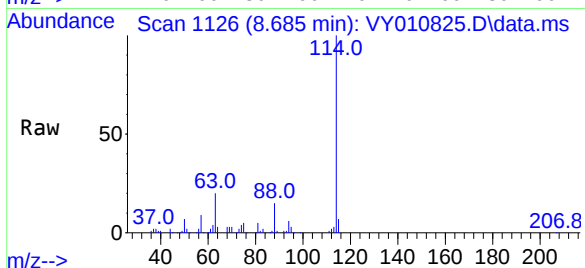
Tgt Ion:114 Resp: 66291

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 67.082 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

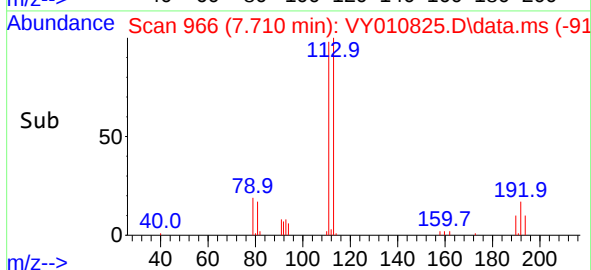
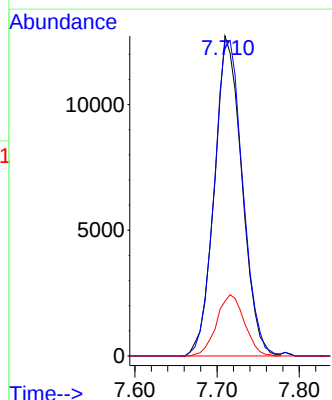
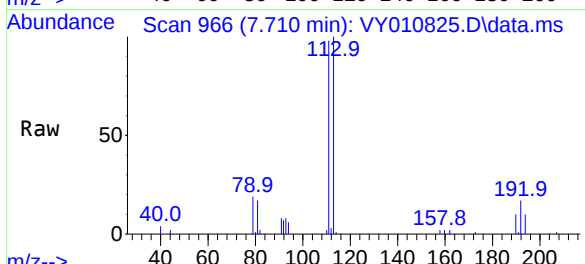
Tgt Ion:113 Resp: 29519

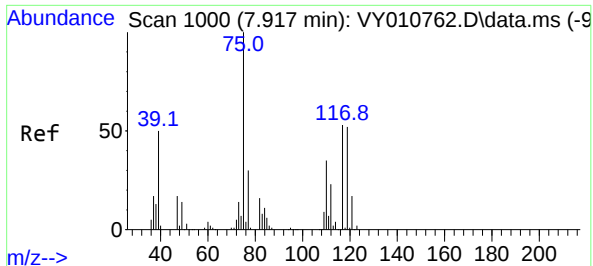
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.088 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

D22010-18

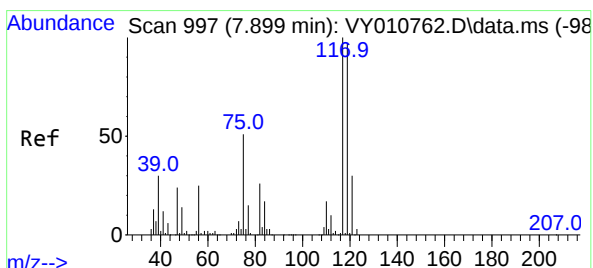
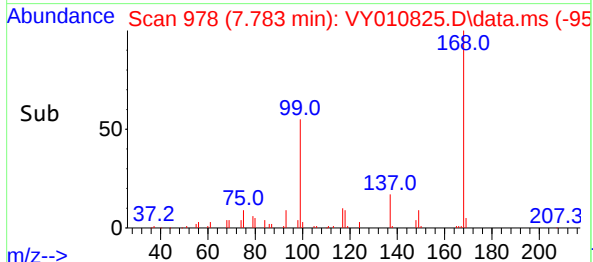
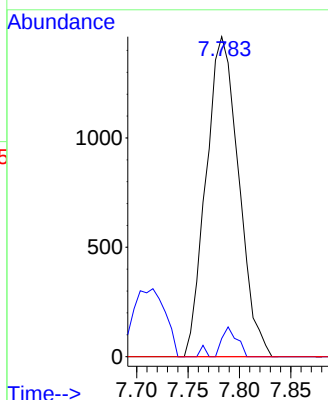
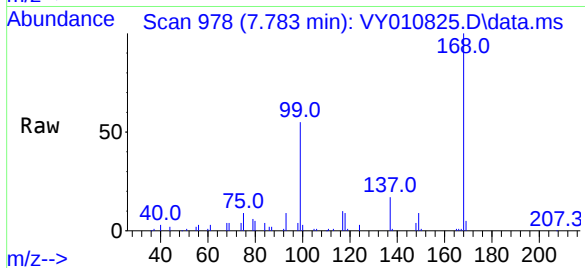
Tgt Ion: 75 Resp: 3232

Ion Ratio Lower Upper

75 100

110 4.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

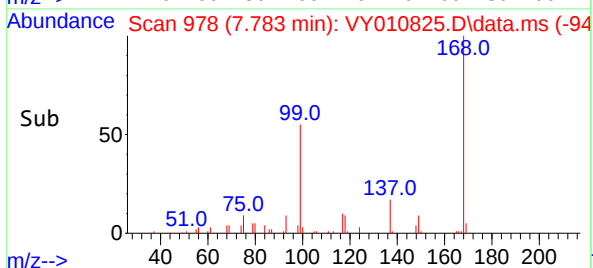
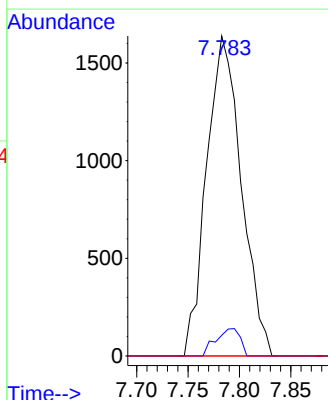
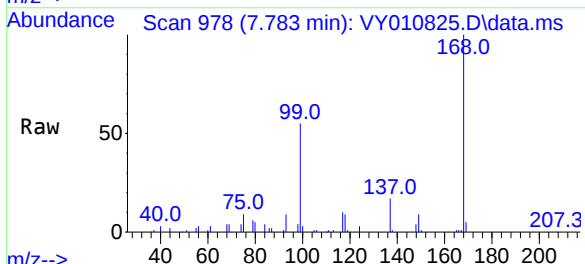
Tgt Ion: 117 Resp: 3854

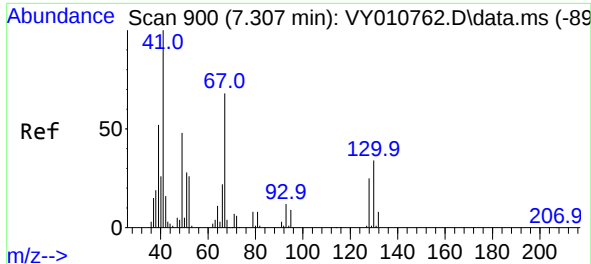
Ion Ratio Lower Upper

117 100

119 6.5 77.9 116.9#

121 0.0 24.8 37.2#

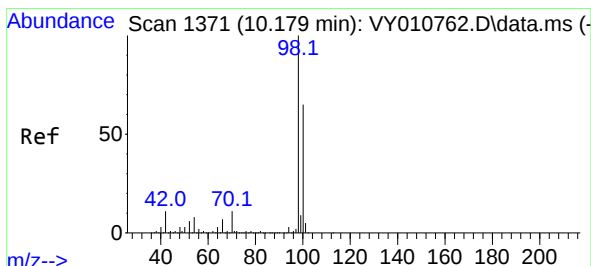
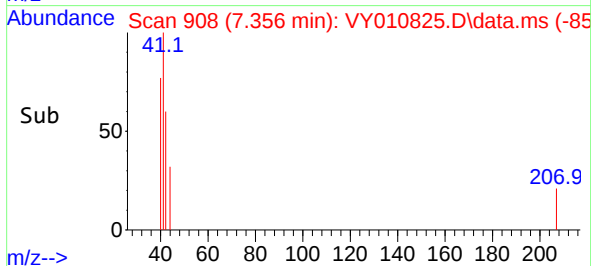
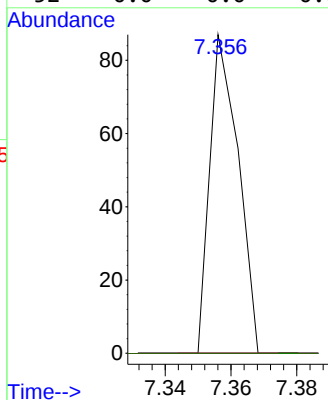
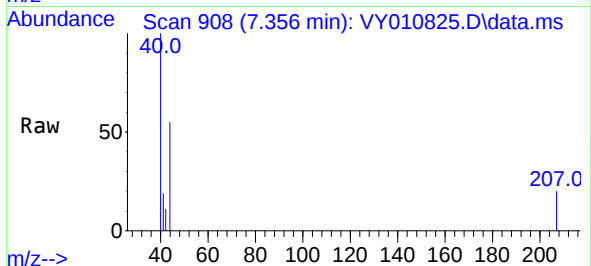




#41
Methacrylonitrile
Concen: 2.851 ug/l
RT: 7.356 min Scan# 900
Delta R.T. 0.049 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

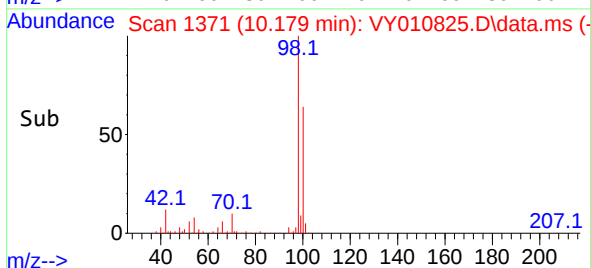
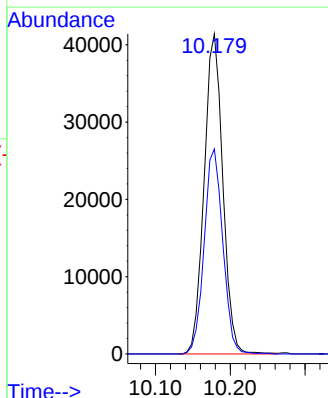
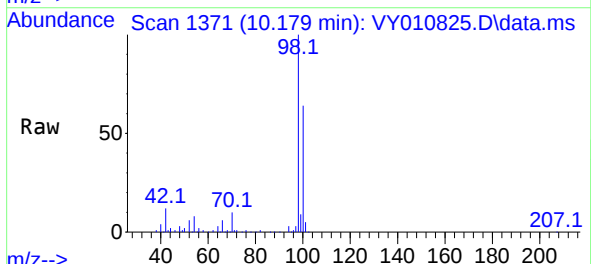
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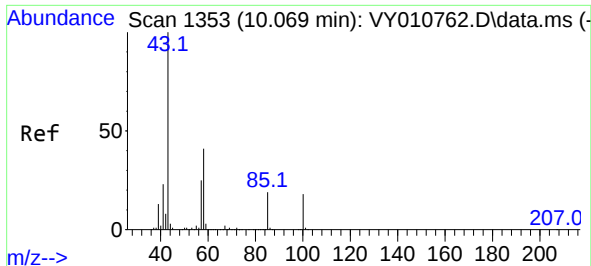
Tgt Ion: 41	Resp: 52
Ion Ratio	Lower Upper
41 100	
39 0.0	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 47.696 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

Tgt Ion: 98	Resp: 71778
Ion Ratio	Lower Upper
98 100	
100 64.0	50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 1.153 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

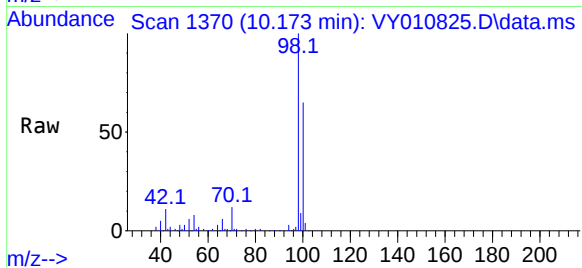
D22010-18

Tgt Ion: 43 Resp: 356

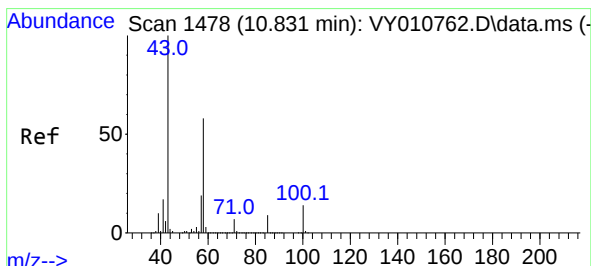
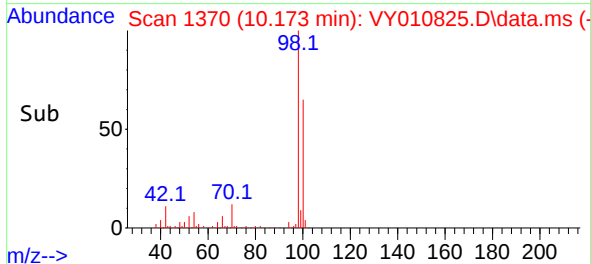
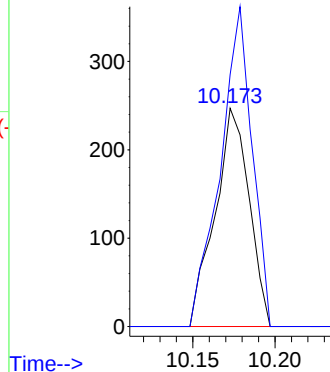
Ion Ratio Lower Upper

43 100

58 137.4 28.1 42.1#



Abundance



#59

2-Hexanone

Concen: 1.824 ug/l

RT: 10.929 min Scan# 1494

Delta R.T. 0.098 min

Lab File: VY010825.D

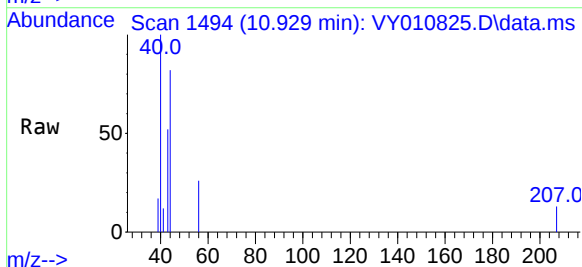
Acq: 05 Oct 2022 17:09

Tgt Ion: 43 Resp: 390

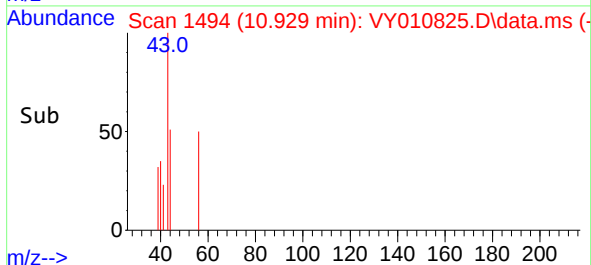
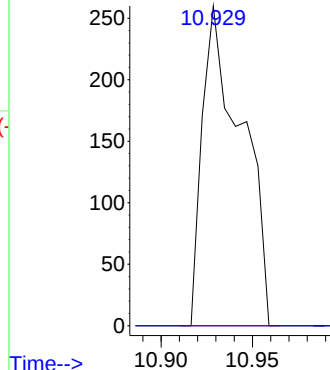
Ion Ratio Lower Upper

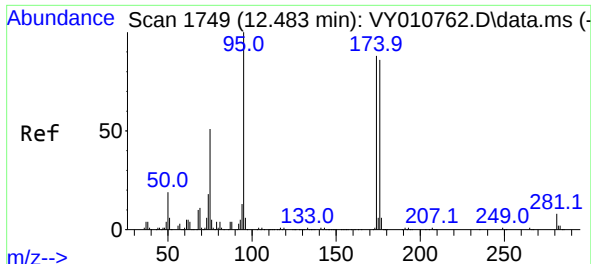
43 100

58 0.0 24.4 73.4#



Abundance

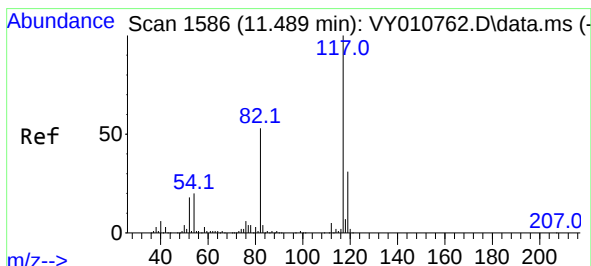
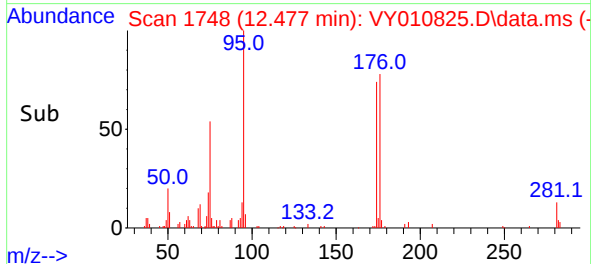
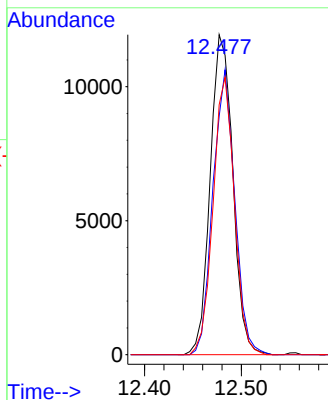
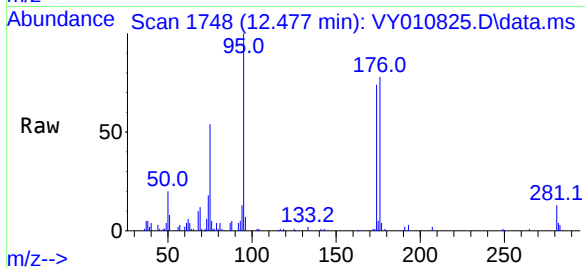




#62
4-Bromofluorobenzene
Concen: 31.600 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

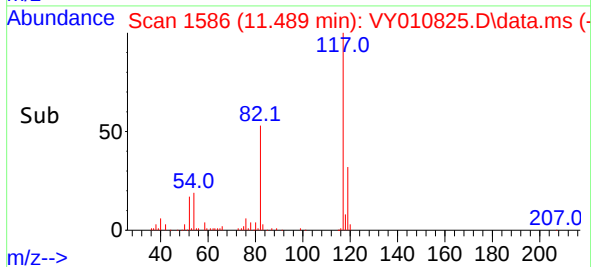
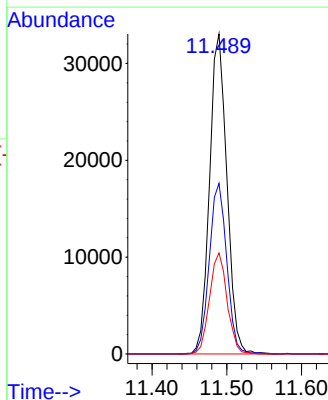
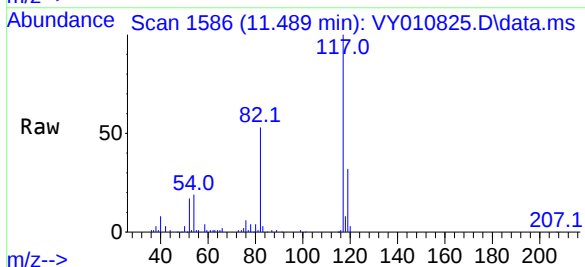
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18

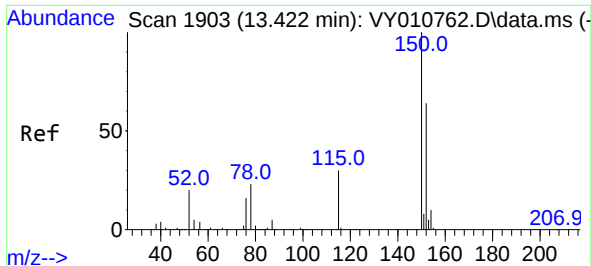
Tgt Ion: 95	Resp: 19375
Ion Ratio	Lower Upper
95 100	
174 85.9	0.0 177.0
176 82.0	0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

Tgt Ion: 117	Resp: 53259
Ion Ratio	Lower Upper
117 100	
82 53.3	43.0 64.4
119 31.6	25.4 38.0

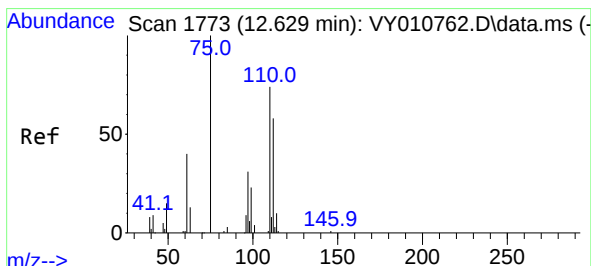
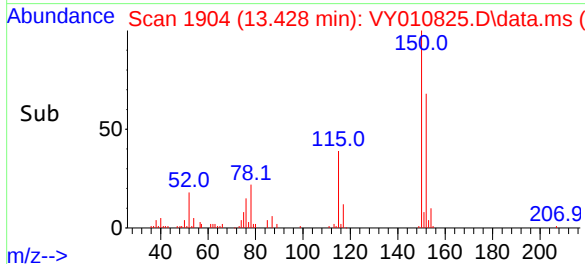
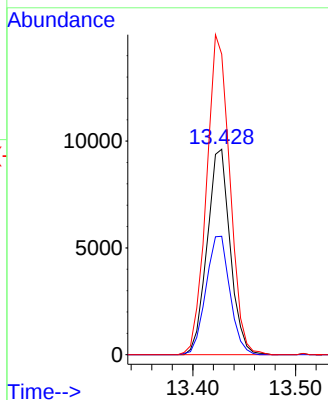
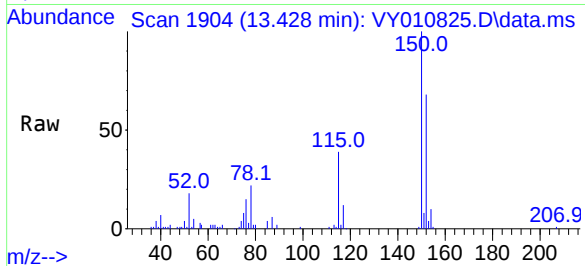




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

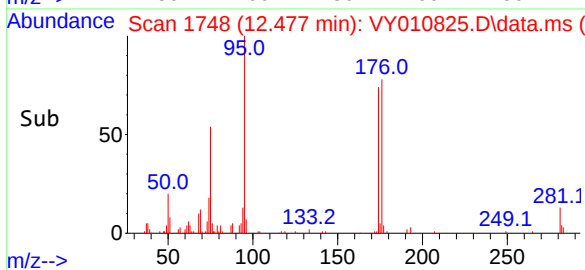
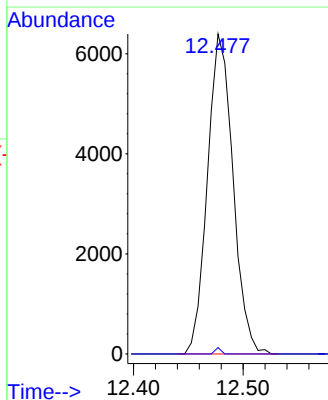
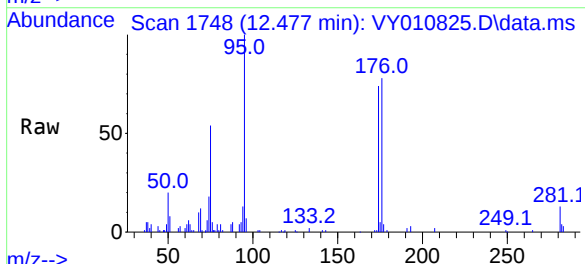
Instrument :
MSVOA_Y
ClientSampleId :
D22010-18

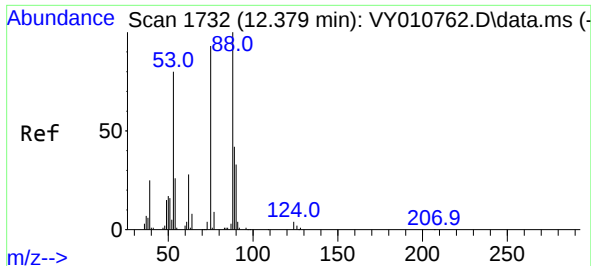
Tgt Ion:152 Resp: 14988
Ion Ratio Lower Upper
152 100
115 60.0 28.2 84.7
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 68.183 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010825.D
Acq: 05 Oct 2022 17:09

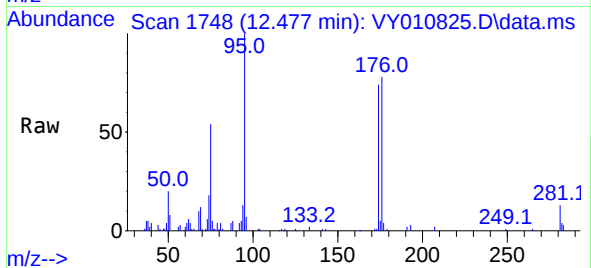
Tgt Ion: 75 Resp: 10349
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.429 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010825.D
 Acq: 05 Oct 2022 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-18



Tgt Ion: 75 Resp: 10349
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

