

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010866.D
 Acq On : 07 Oct 2022 13:00
 Operator : KP/MD
 Sample : N5004-20RE
 Misc : 6.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22012-18RE

Quant Time: Oct 08 04:46:31 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)

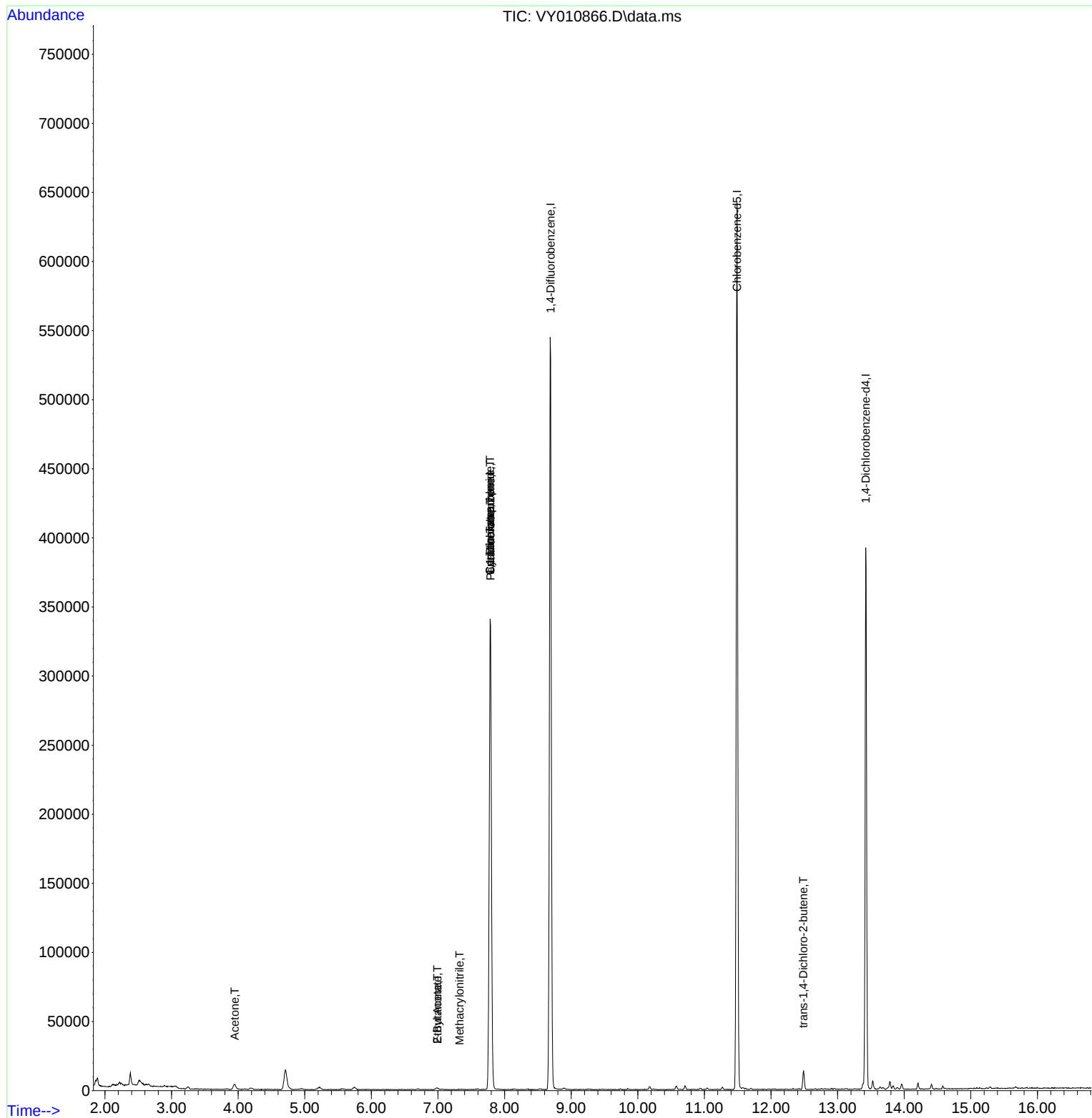
Internal Standards						
1) Pentafluorobenzene	7.789	168	265241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	459938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	339063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	101377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	389	0.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.280%#
35) Dibromofluoromethane	7.710	113	127	0.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.080%#
50) Toluene-d8	10.179	98	1816	0.174	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.340%#
62) 4-Bromofluorobenzene	12.483	95	1290	-3.630	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	-7.260%#
Target Compounds						
11) Tert butyl alcohol	4.954	59	1366	Below Cal	#	81
16) Acetone	3.948	43	7154	10.477	ug/l	100
20) Methylene Chloride	4.710	84	10922	Below Cal		93
25) 2-Butanone	6.990	43	2170	2.210	ug/l	99
31) Cyclohexane	7.783	56	5384	1.119	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	21072	4.781	ug/l	# 50
37) Ethyl Acetate	6.990	43	2170	1.003	ug/l	# 72
38) Carbon Tetrachloride	7.783	117	26683	5.813	ug/l	# 16
41) Methacrylonitrile	7.326	41	77	2.639	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.483	75	755	1.536	ug/l	# 7

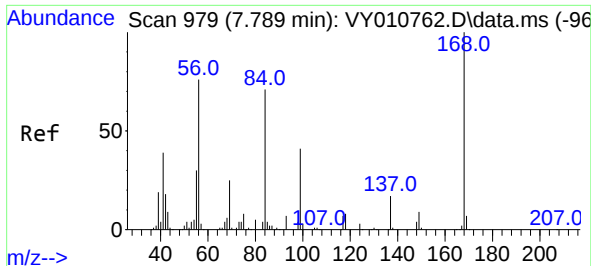
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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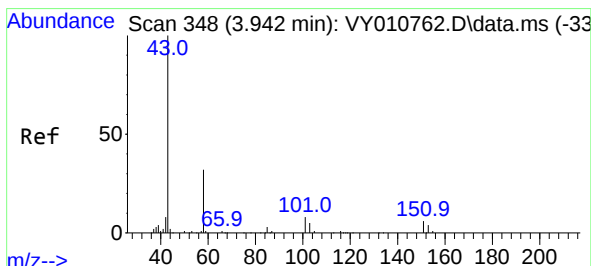
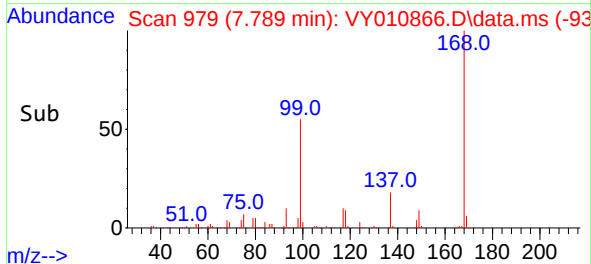
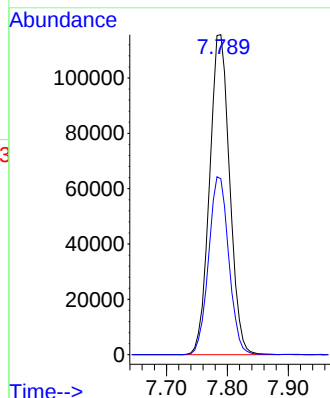
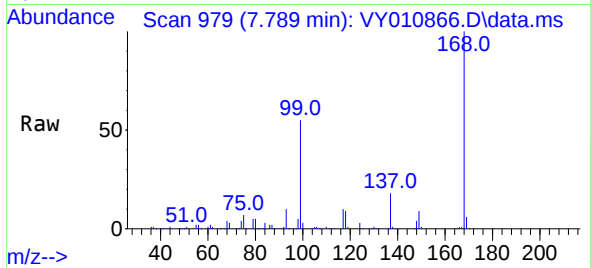




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

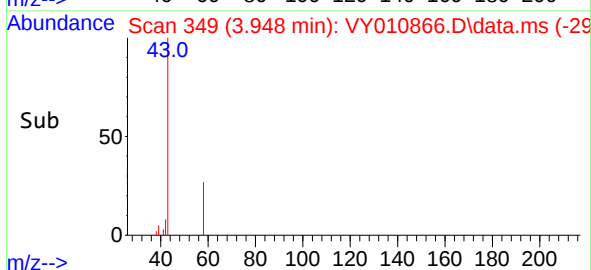
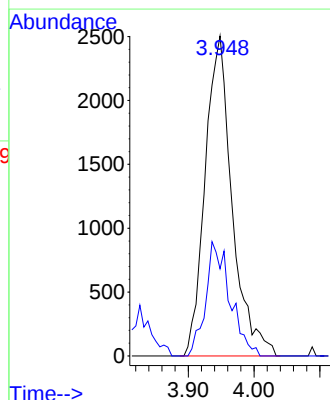
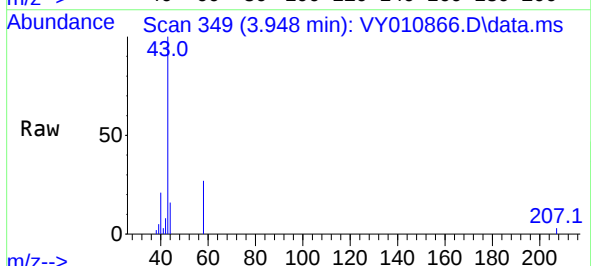
Instrument :
MSVOA_Y
ClientSampleId :
D22012-18RE

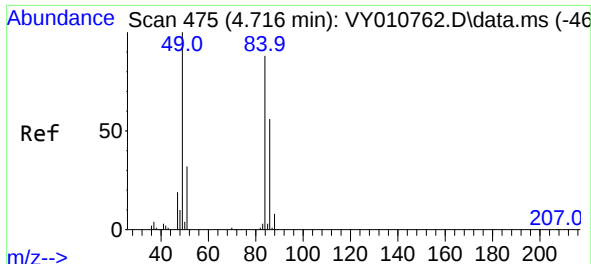
Tgt Ion:168 Resp: 265241
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#16
Acetone
Concen: 10.477 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

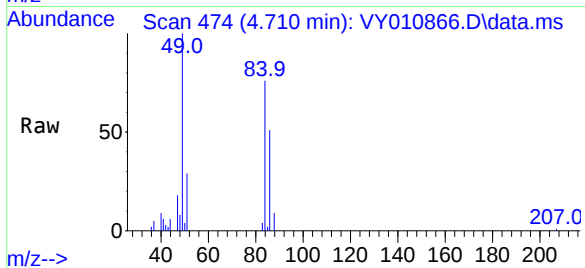
Tgt Ion: 43 Resp: 7154
Ion Ratio Lower Upper
43 100
58 27.3 22.0 33.0





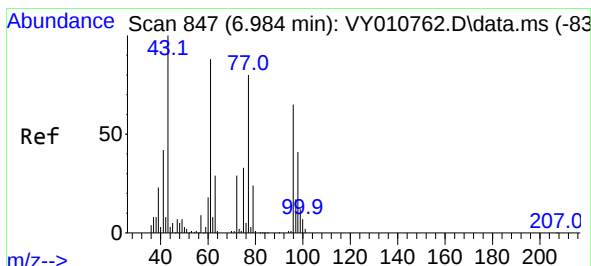
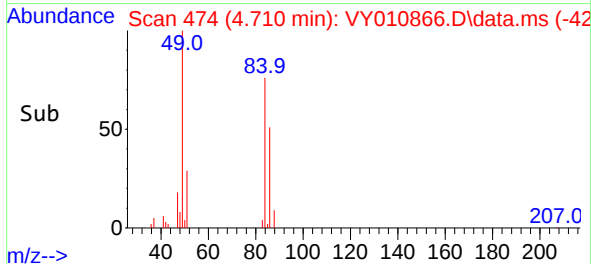
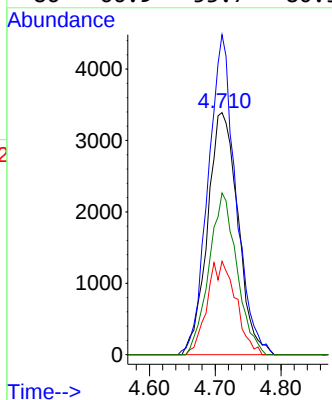
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

Instrument :
MSVOA_Y
ClientSampleId :
D22012-18RE



Tgt Ion: 84 Resp: 10922

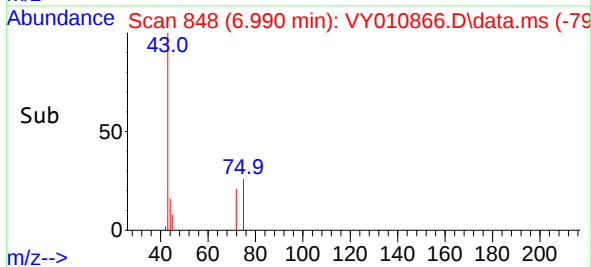
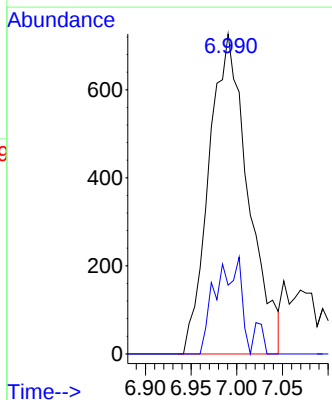
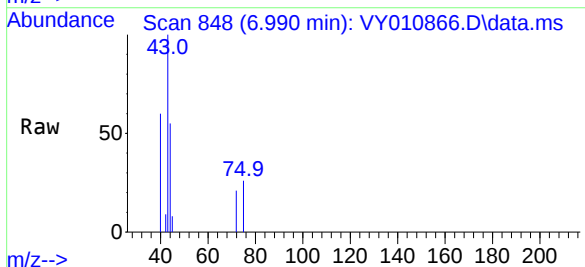
Ion	Ratio	Lower	Upper
84	100		
49	132.2	114.4	171.6
51	38.5	35.3	52.9
86	66.9	53.7	80.5

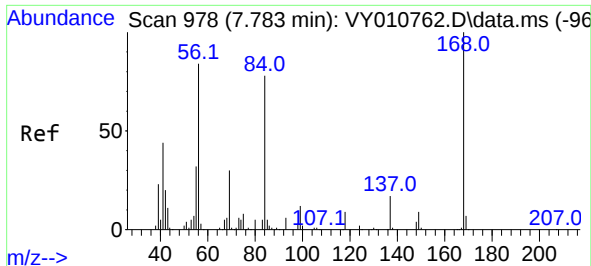


#25
2-Butanone
Concen: 2.210 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

Tgt Ion: 43 Resp: 2170

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.7	26.5

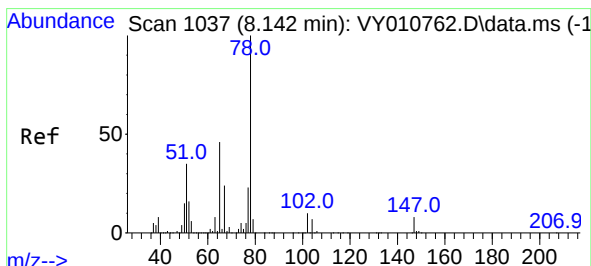
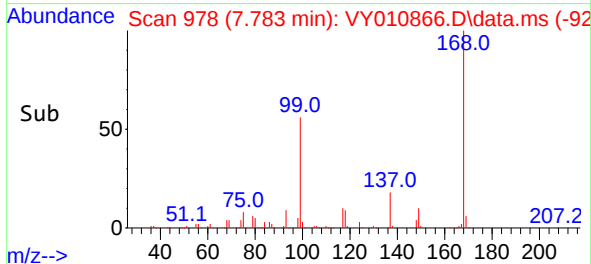
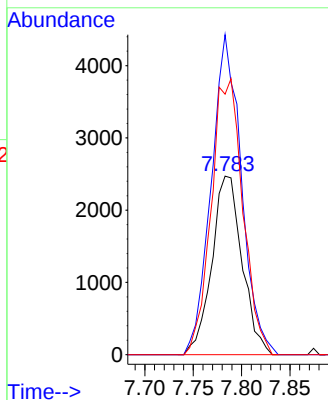
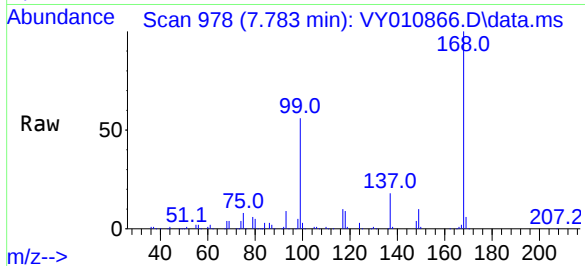




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

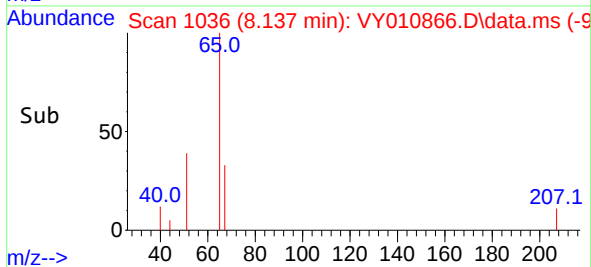
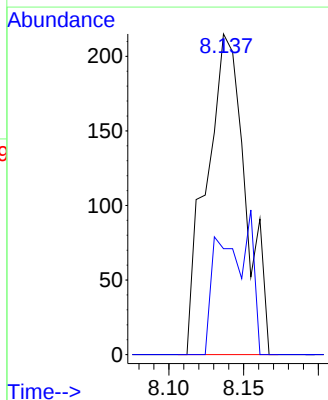
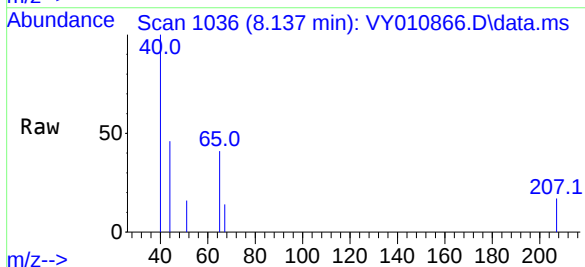
Instrument :
MSVOA_Y
ClientSampleId :
D22012-18RE

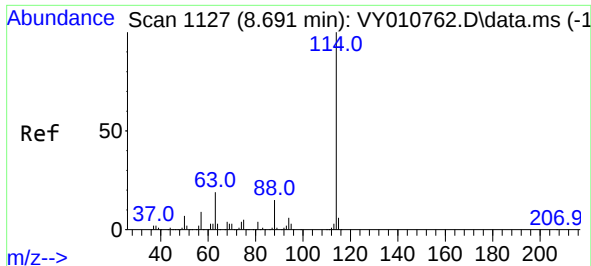
Tgt Ion: 56 Resp: 5384
Ion Ratio Lower Upper
56 100
69 179.2 26.7 40.1#
84 145.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 0.145 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

Tgt Ion: 65 Resp: 389
Ion Ratio Lower Upper
65 100
67 34.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010866.D

Acq: 07 Oct 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

D22012-18RE

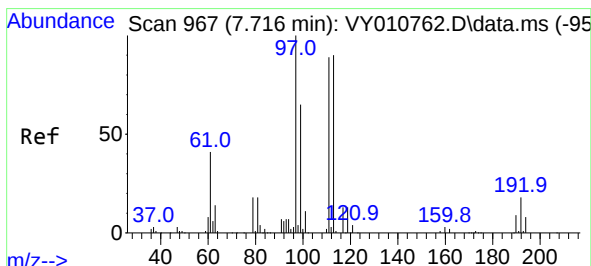
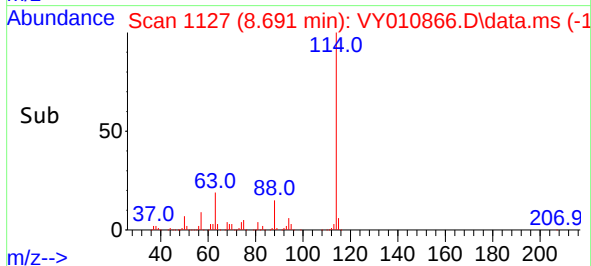
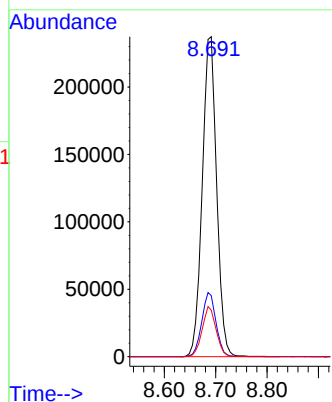
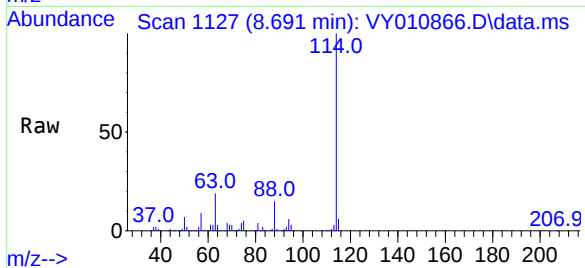
Tgt Ion:114 Resp: 459938

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 0.042 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010866.D

Acq: 07 Oct 2022 13:00

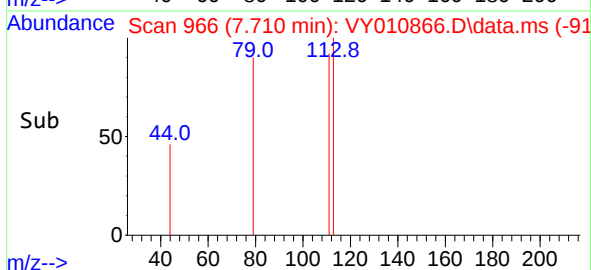
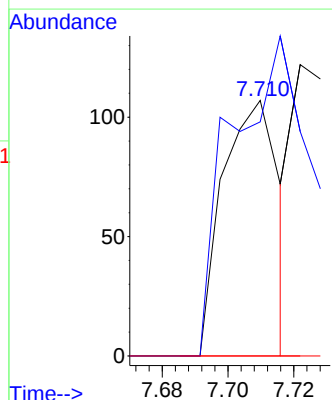
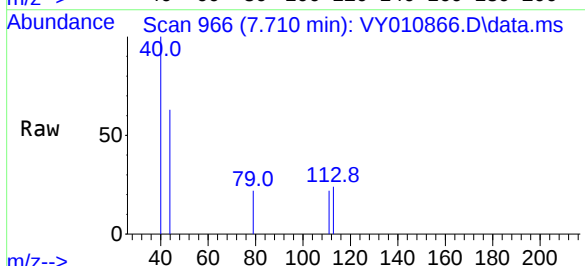
Tgt Ion:113 Resp: 127

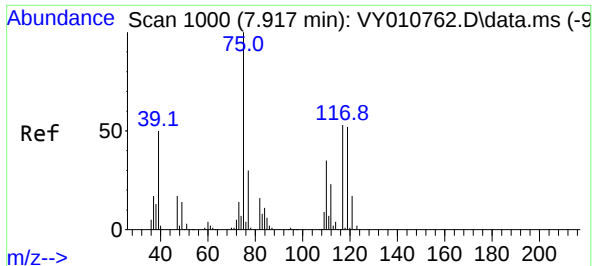
Ion Ratio Lower Upper

113 100

111 188.2 82.6 124.0#

192 0.0 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010866.D

Acq: 07 Oct 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

D22012-18RE

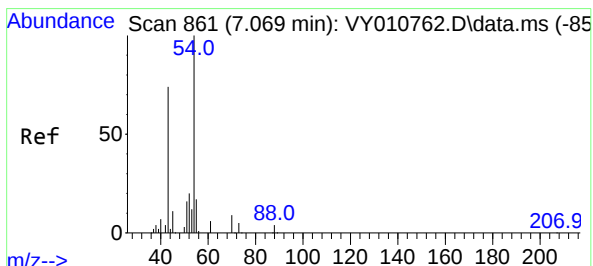
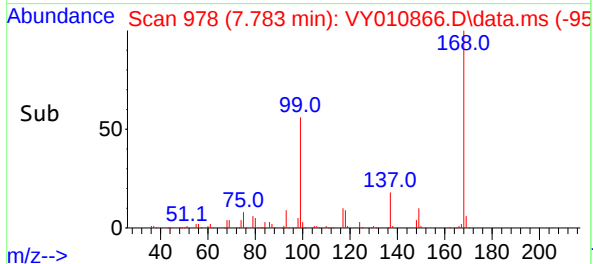
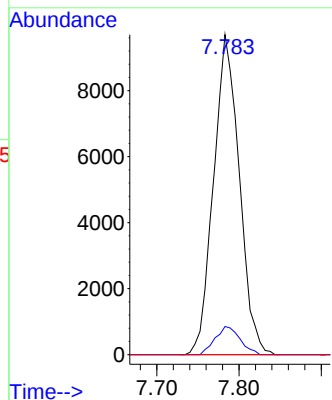
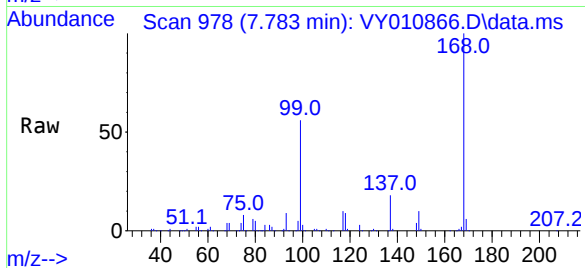
Tgt Ion: 75 Resp: 21072

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.003 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.079 min

Lab File: VY010866.D

Acq: 07 Oct 2022 13:00

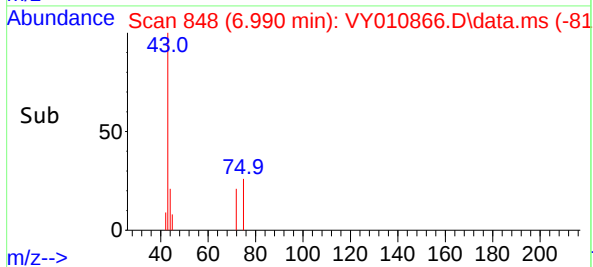
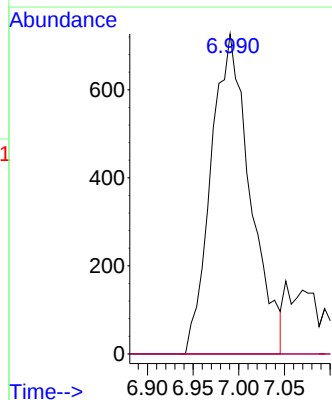
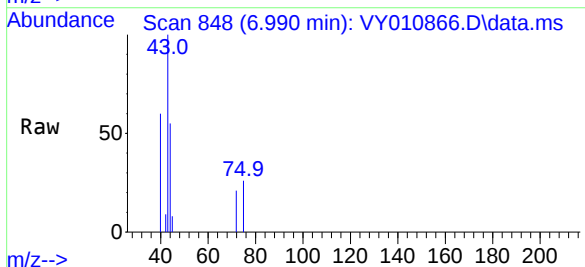
Tgt Ion: 43 Resp: 2170

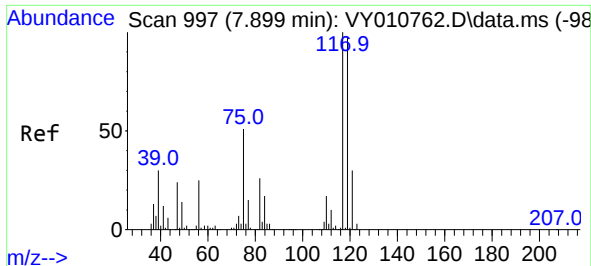
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY010866.D

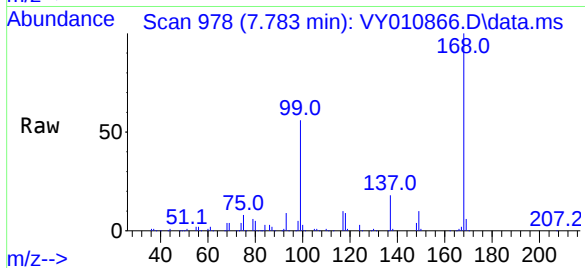
Acq: 07 Oct 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

D22012-18RE



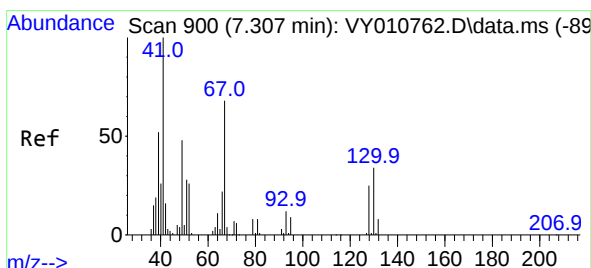
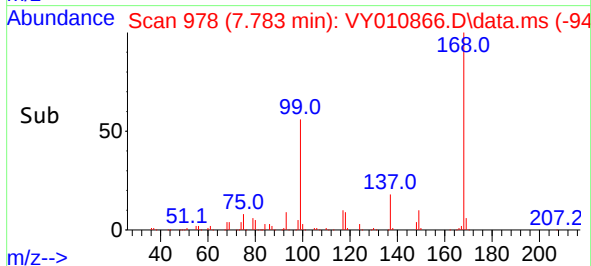
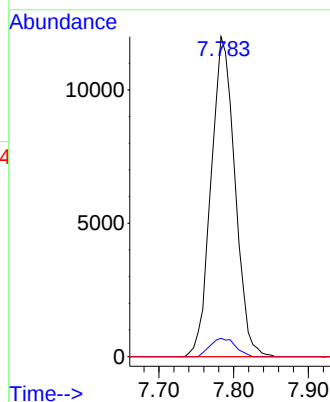
Tgt Ion:117 Resp: 26683

Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#



#41

Methacrylonitrile

Concen: 2.639 ug/l

RT: 7.326 min Scan# 903

Delta R.T. 0.019 min

Lab File: VY010866.D

Acq: 07 Oct 2022 13:00

Tgt Ion: 41 Resp: 77

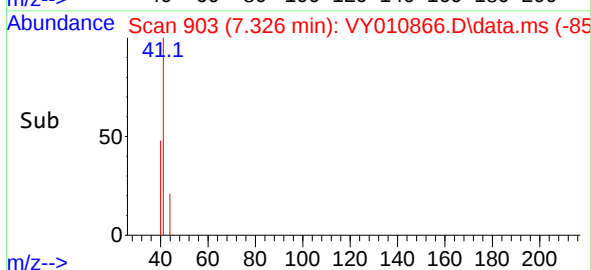
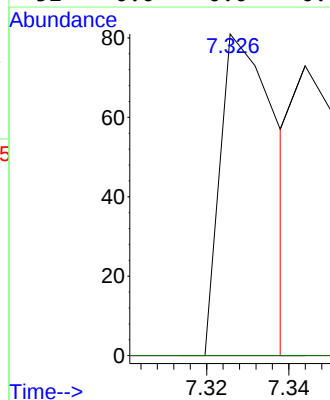
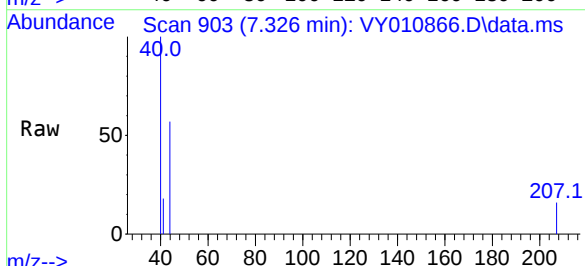
Ion Ratio Lower Upper

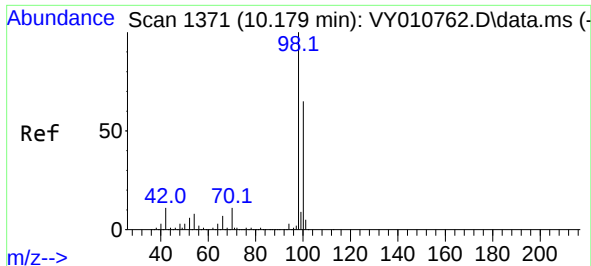
41 100

39 0.0 92.9 139.3#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

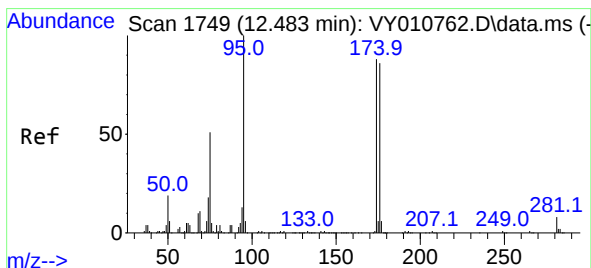
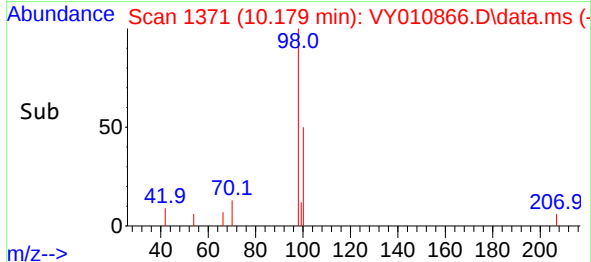
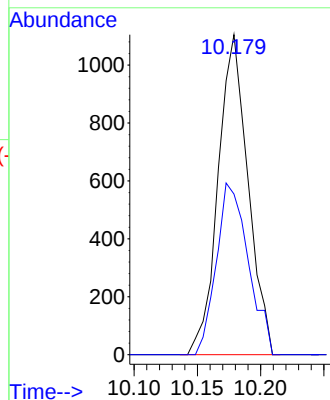
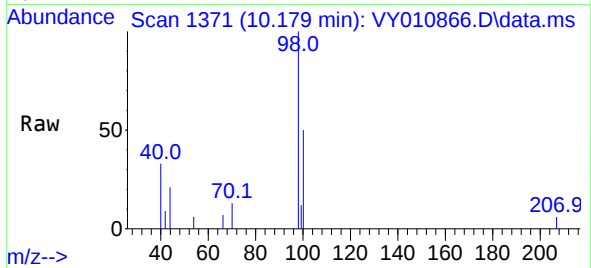




#50
Toluene-d8
Concen: 0.174 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

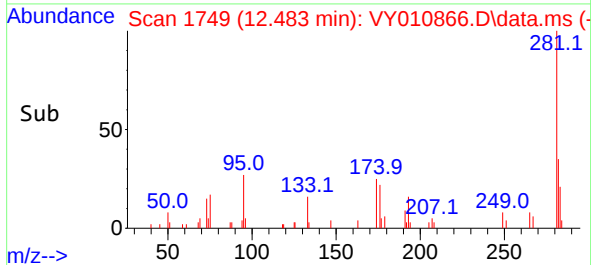
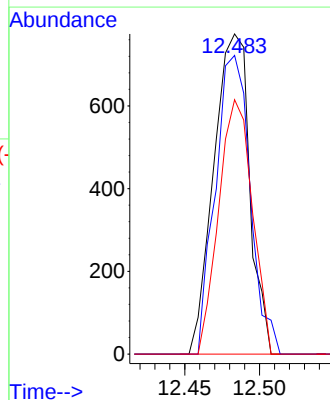
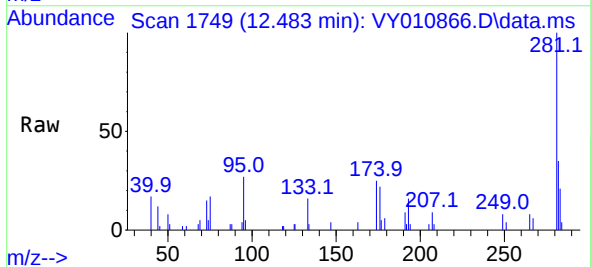
Instrument :
MSVOA_Y
ClientSampleId :
D22012-18RE

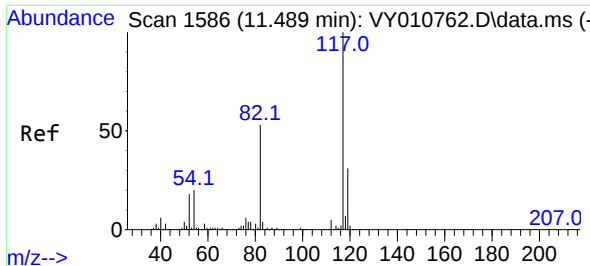
Tgt Ion: 98 Resp: 1816
Ion Ratio Lower Upper
98 100
100 57.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: -3.630 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

Tgt Ion: 95 Resp: 1290
Ion Ratio Lower Upper
95 100
174 90.5 0.0 177.0
176 74.4 0.0 175.8

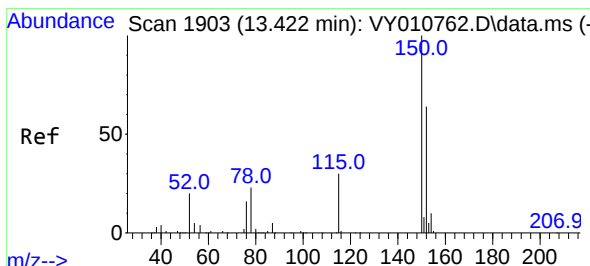
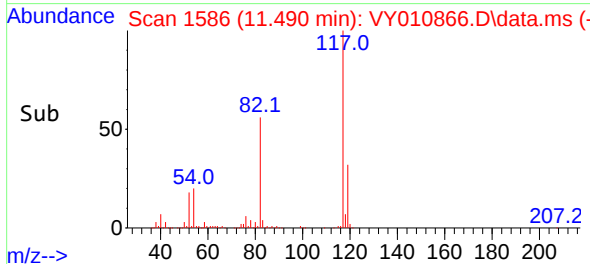
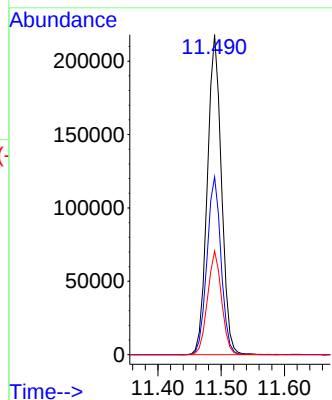
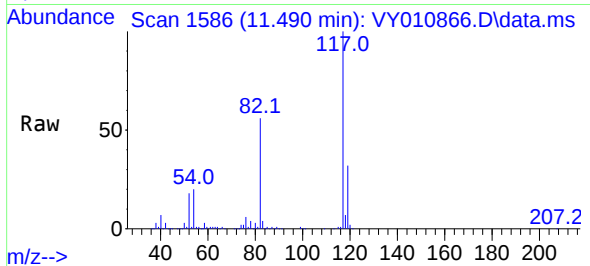




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

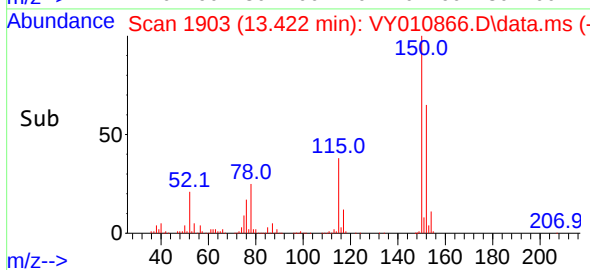
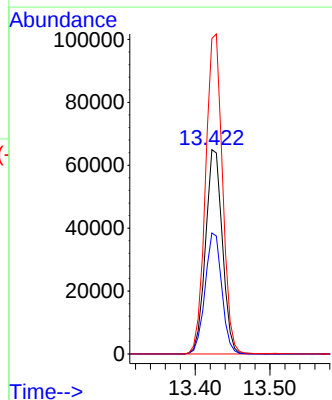
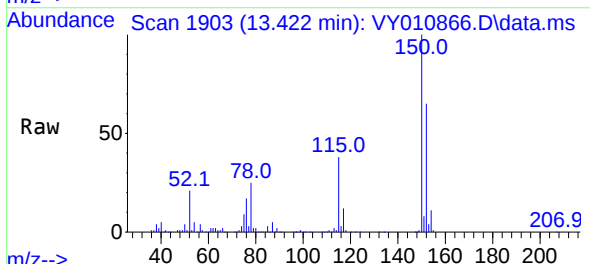
Instrument :
MSVOA_Y
ClientSampleId :
D22012-18RE

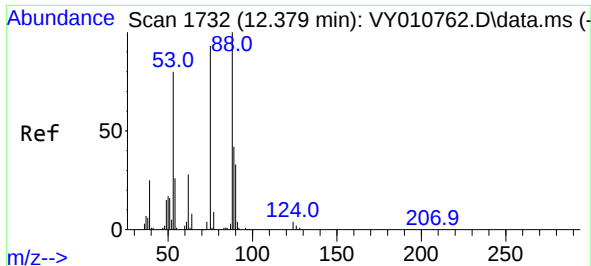
Tgt Ion:117 Resp: 339063
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

Tgt Ion:152 Resp: 101377
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 157.4 0.0 347.6





#81
trans-1,4-Dichloro-2-butene
Concen: 1.536 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010866.D
Acq: 07 Oct 2022 13:00

Instrument :
MSVOA_Y
ClientSampleId :
D22012-18RE

Tgt Ion: 75 Resp: 755
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

