

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010829.D
 Acq On : 05 Oct 2022 18:40
 Operator : KP/MD
 Sample : N5004-09
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22008-8.5

Quant Time: Oct 06 09:23:44 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)

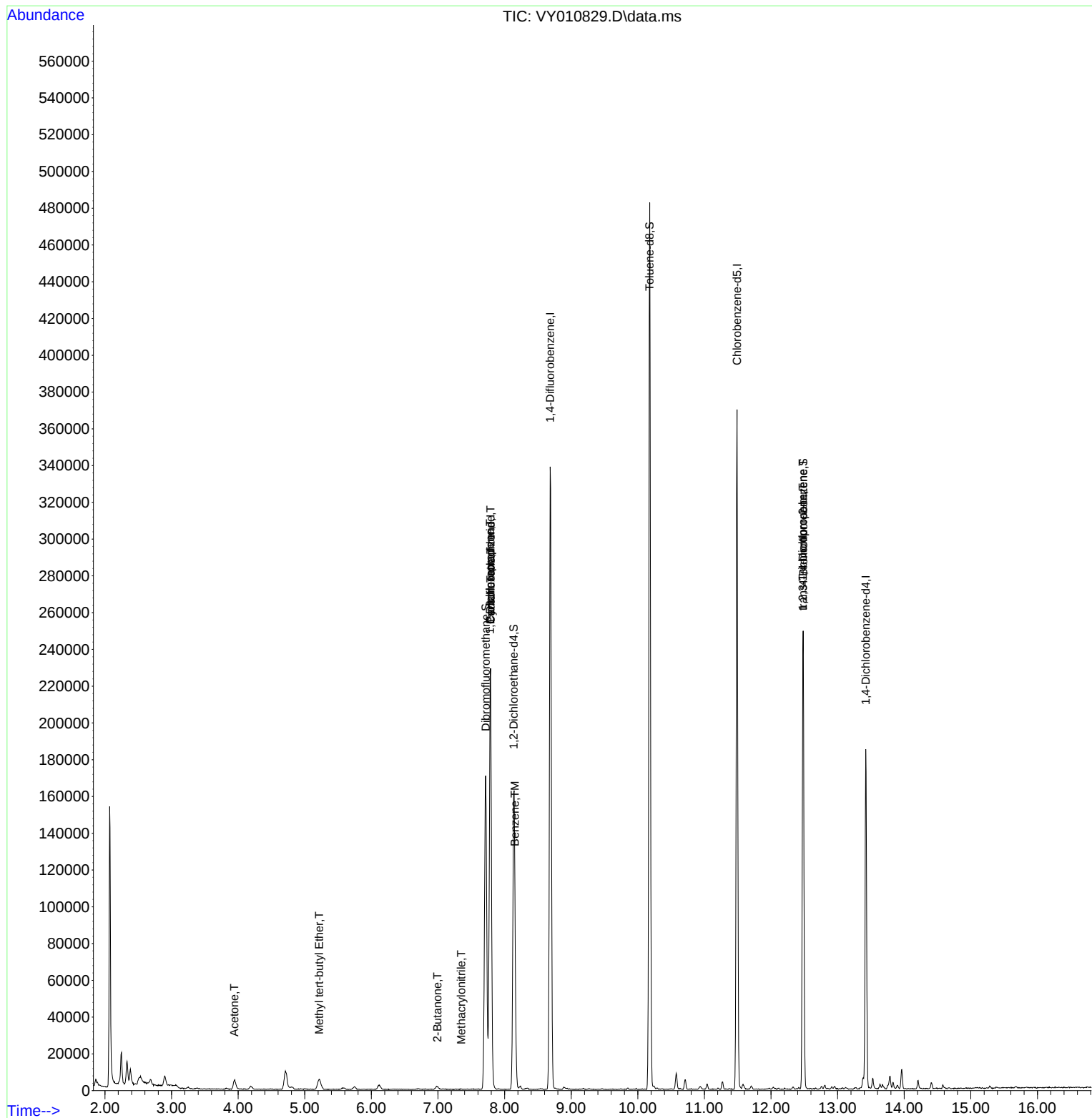
Internal Standards						
1) Pentafluorobenzene	7.789	168	175046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119417	67.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.600%	
35) Dibromofluoromethane	7.716	113	120149	62.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.360%	
50) Toluene-d8	10.179	98	310772	47.027	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.060%	
62) 4-Bromofluorobenzene	12.483	95	69971	25.283	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 50.560%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	217	Below Cal	#	77
16) Acetone	3.942	43	8750	19.417	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	8872	2.048	ug/l	94
20) Methylene Chloride	4.710	84	7365	Below Cal	#	84
25) 2-Butanone	6.990	43	2323	3.586	ug/l	# 84
31) Cyclohexane	7.789	56	3661	1.153	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	13378	4.796	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	17707	6.094	ug/l	# 16
40) Benzene	8.155	78	23139	2.880	ug/l	98
41) Methacrylonitrile	7.350	41	71	2.665	ug/l	# 71
76) 1,2,3-Trichloropropane	12.477	75	37442	77.916	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	37442	162.760	ug/l	# 7

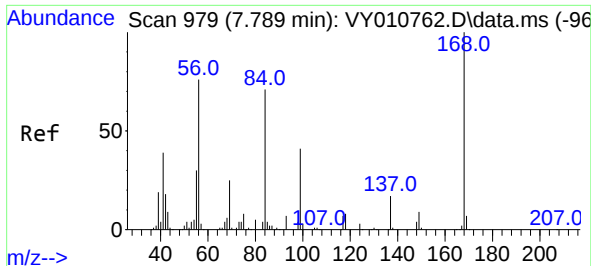
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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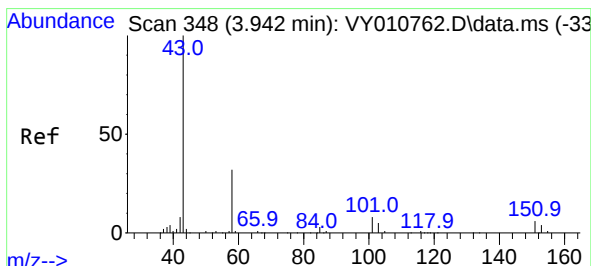
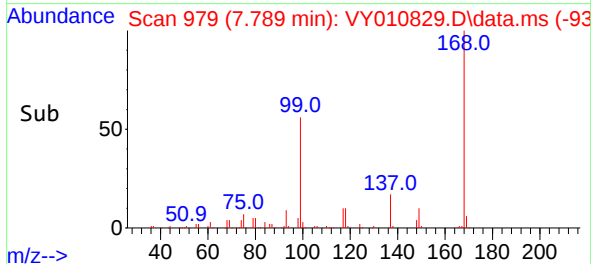
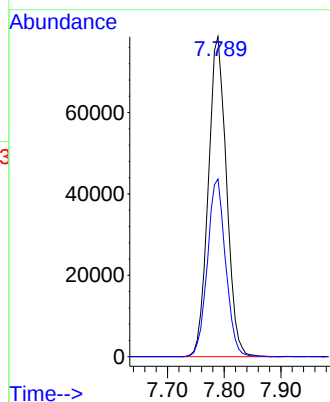
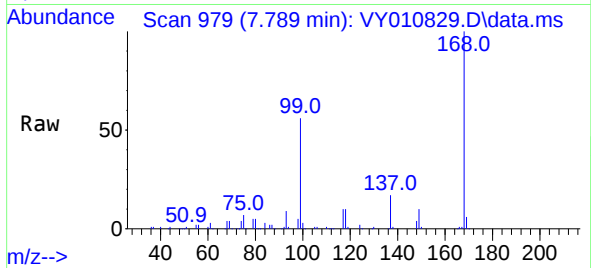




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

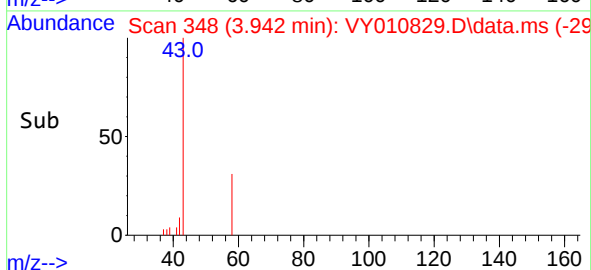
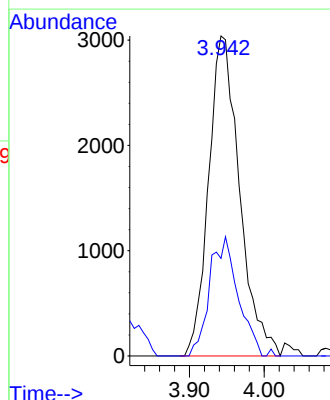
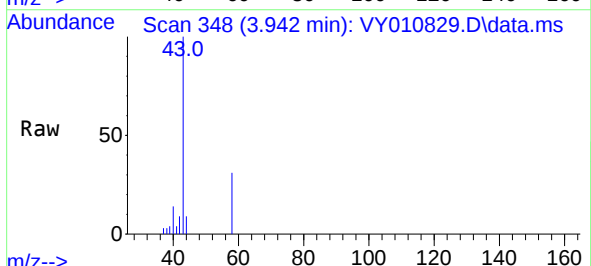
Instrument :
MSVOA_Y
ClientSampleId :
D22008-8.5

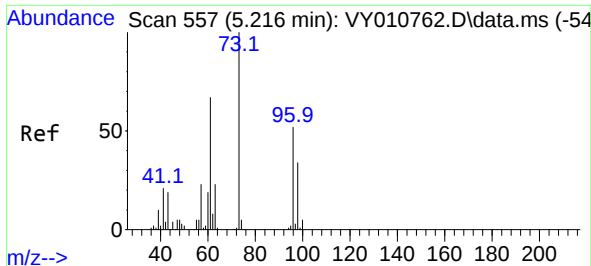
Tgt Ion:168 Resp: 175046
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3



#16
Acetone
Concen: 19.417 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

Tgt Ion: 43 Resp: 8750
Ion Ratio Lower Upper
43 100
58 30.5 22.0 33.0





#19

Methyl tert-butyl Ether

Concen: 2.048 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY010829.D

Acq: 05 Oct 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

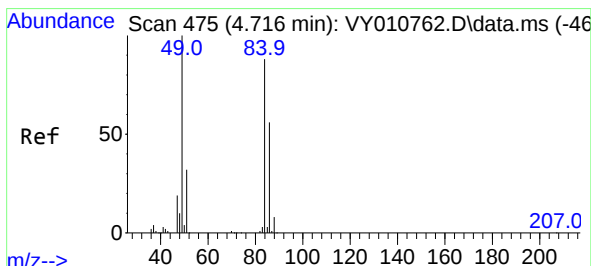
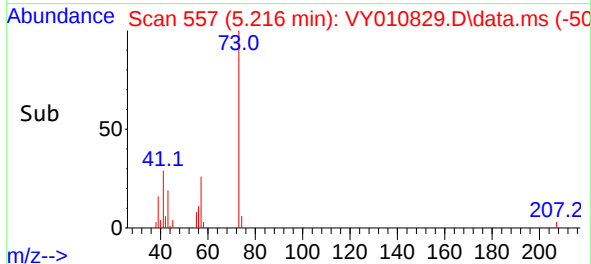
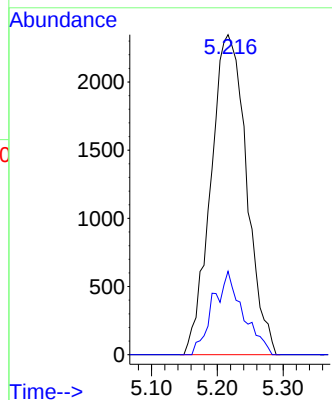
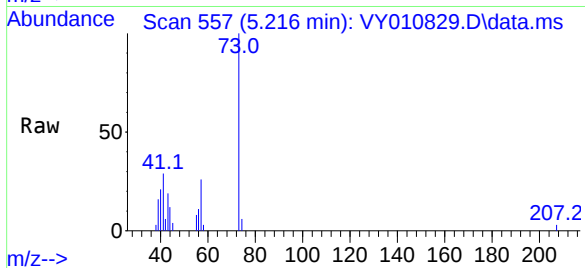
D22008-8.5

Tgt Ion: 73 Resp: 8872

Ion Ratio Lower Upper

73 100

57 26.1 18.6 27.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY010829.D

Acq: 05 Oct 2022 18:40

Tgt Ion: 84 Resp: 7365

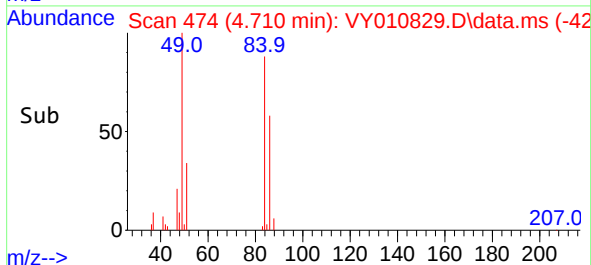
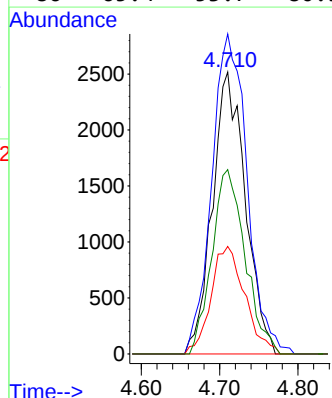
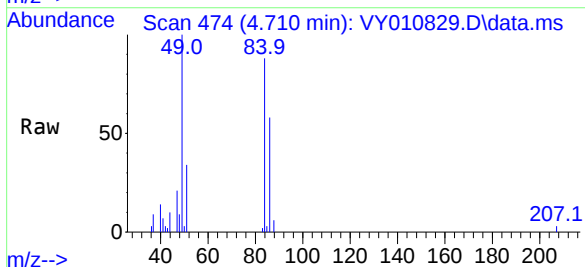
Ion Ratio Lower Upper

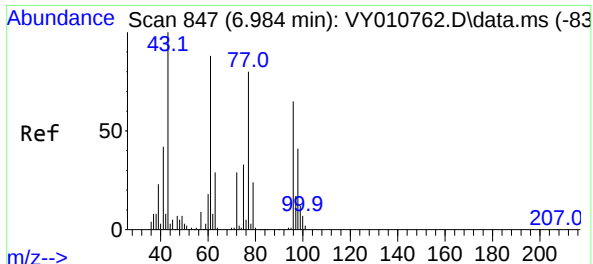
84 100

49 113.5 114.4 171.6#

51 38.1 35.3 52.9

86 65.4 53.7 80.5





#25

2-Butanone

Concen: 3.586 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY010829.D

Acq: 05 Oct 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

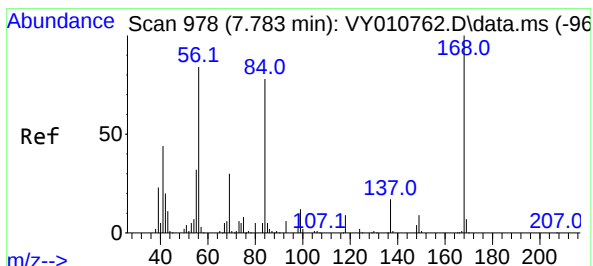
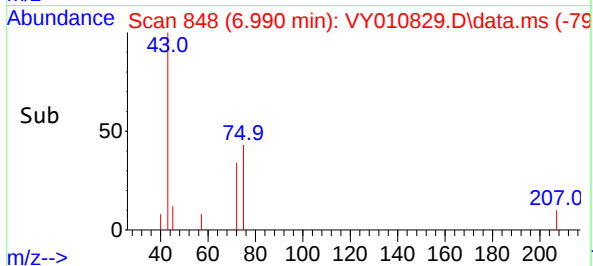
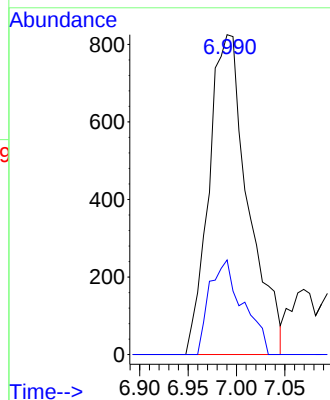
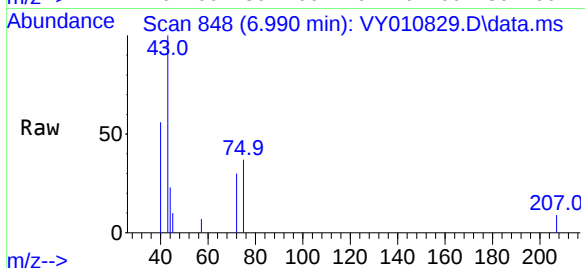
D22008-8.5

Tgt Ion: 43 Resp: 2323

Ion Ratio Lower Upper

43 100

72 29.6 17.7 26.5#



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010829.D

Acq: 05 Oct 2022 18:40

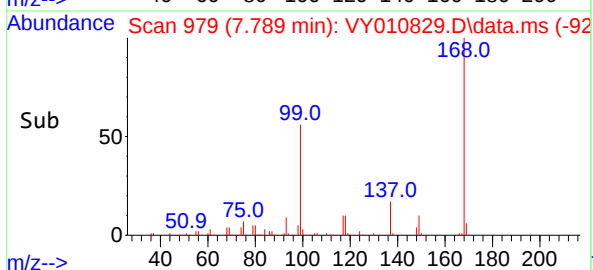
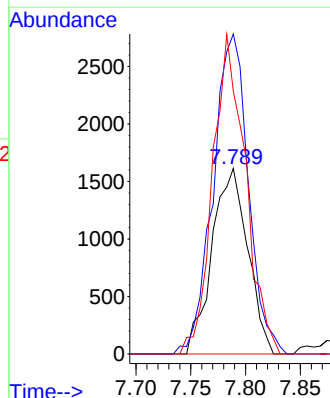
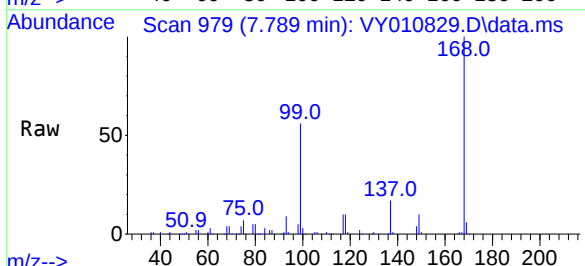
Tgt Ion: 56 Resp: 3661

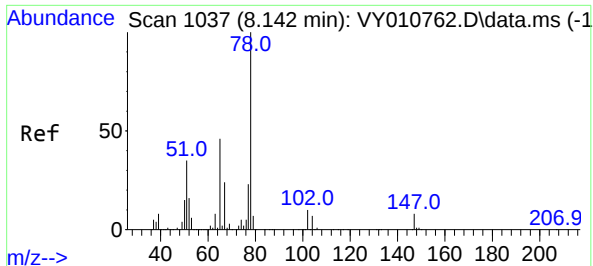
Ion Ratio Lower Upper

56 100

69 168.5 26.7 40.1#

84 141.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.303 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010829.D

Acq: 05 Oct 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

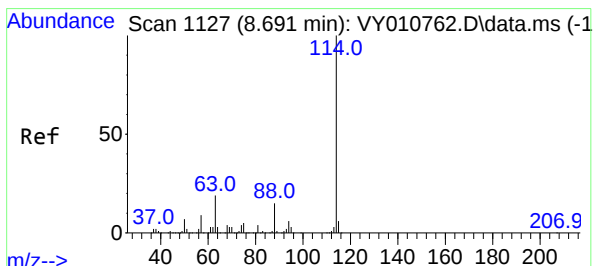
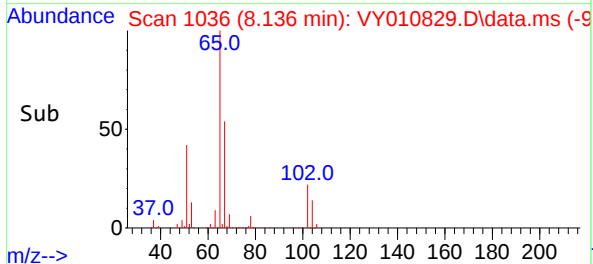
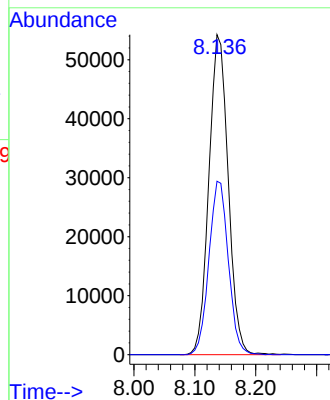
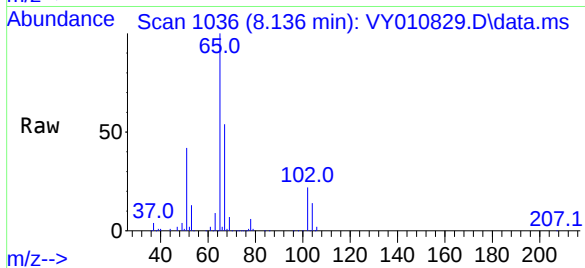
D22008-8.5

Tgt Ion: 65 Resp: 119417

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010829.D

Acq: 05 Oct 2022 18:40

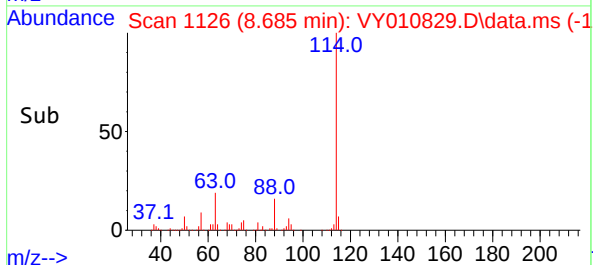
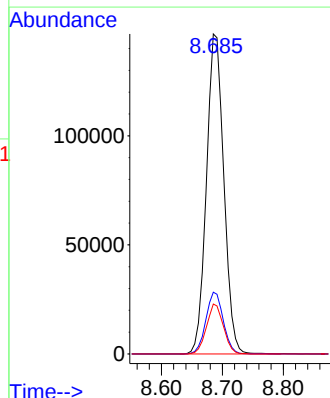
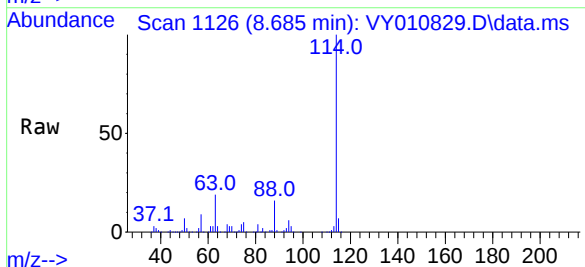
Tgt Ion: 114 Resp: 291101

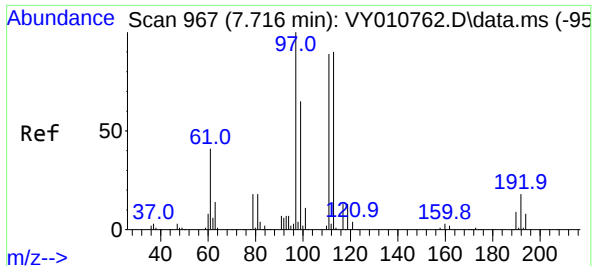
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

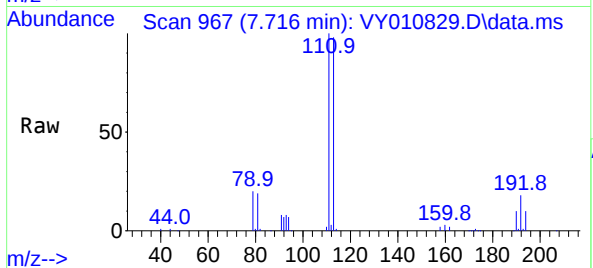
88 15.6 0.0 31.8



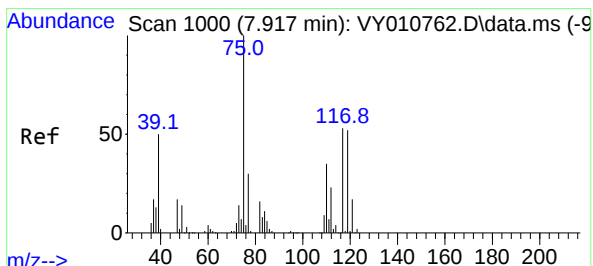
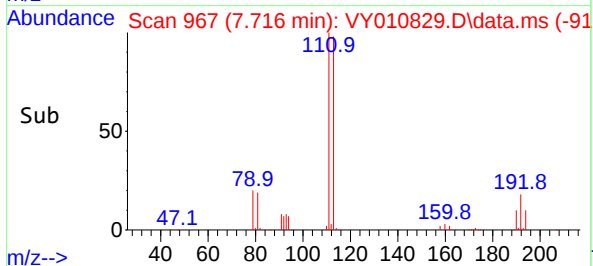
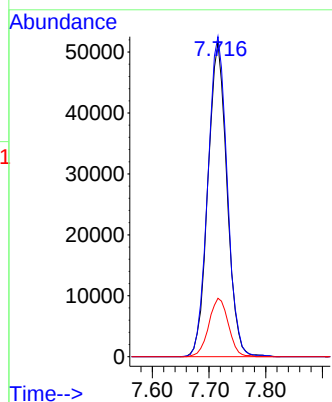


#35
Dibromofluoromethane
Concen: 62.178 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

Instrument :
MSVOA_Y
ClientSampleId :
D22008-8.5

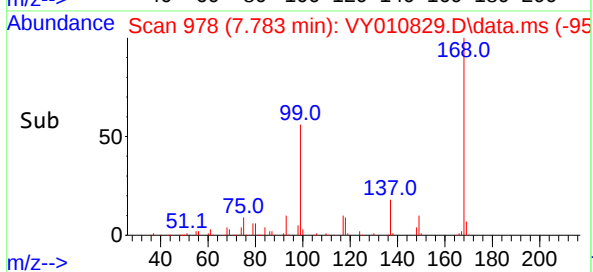
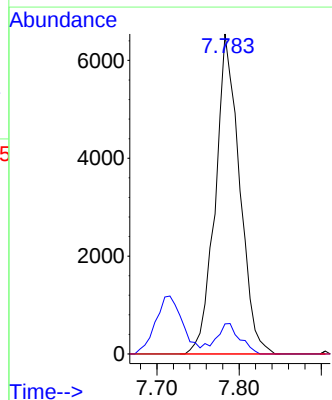
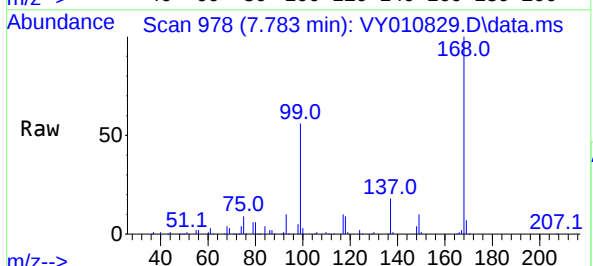


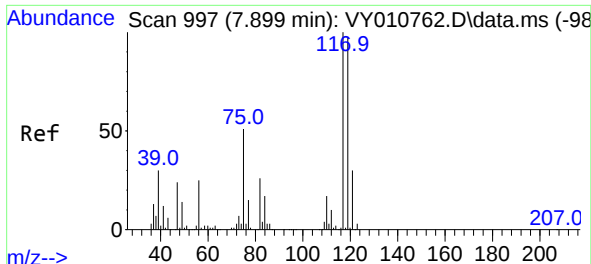
Tgt Ion:113 Resp: 120149
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.796 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

Tgt Ion: 75 Resp: 13378
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

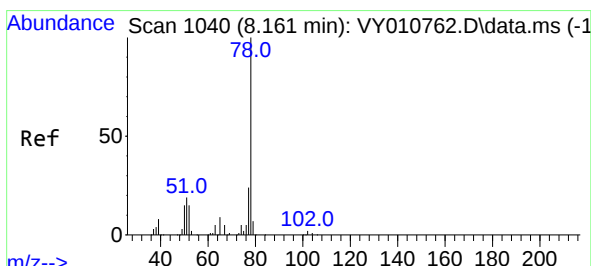
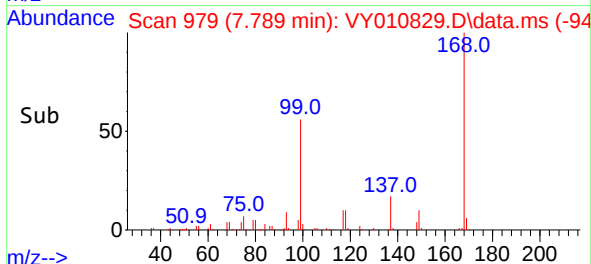
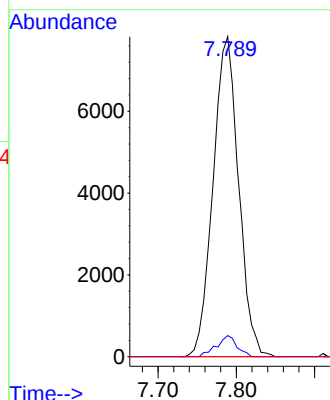
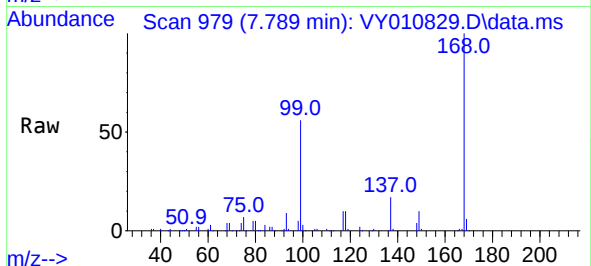




#38
Carbon Tetrachloride
Concen: 6.094 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

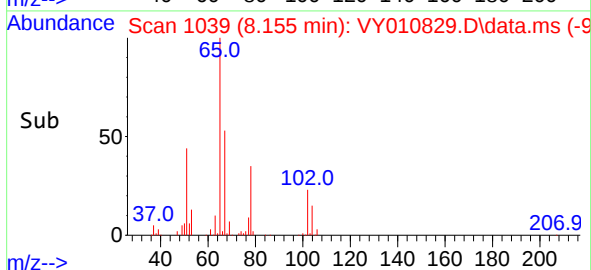
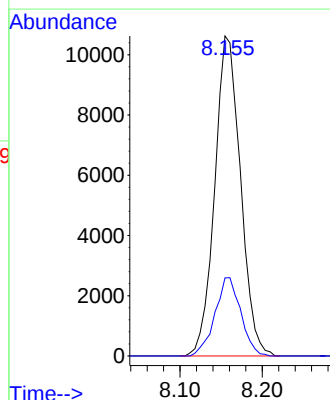
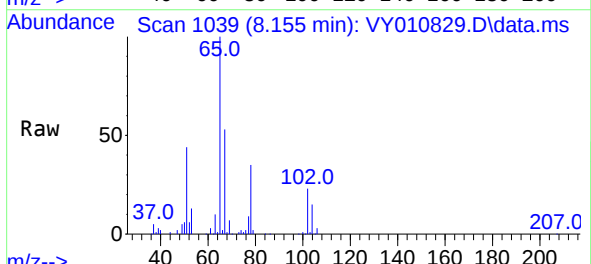
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MSVOA_Y
ClientSampleId :
D22008-8.5

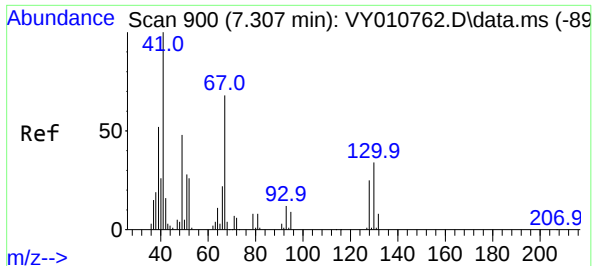
Tgt Ion:117 Resp: 17707
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 2.880 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

Tgt Ion: 78 Resp: 23139
Ion Ratio Lower Upper
78 100
77 24.4 20.4 30.6

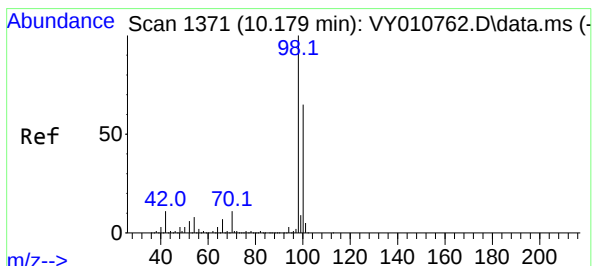
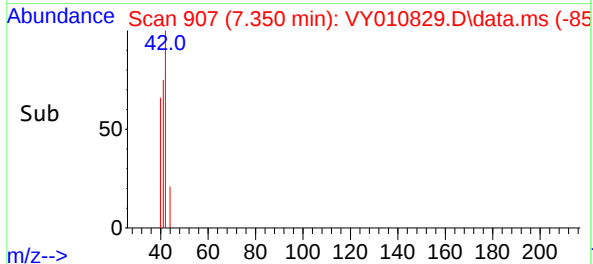
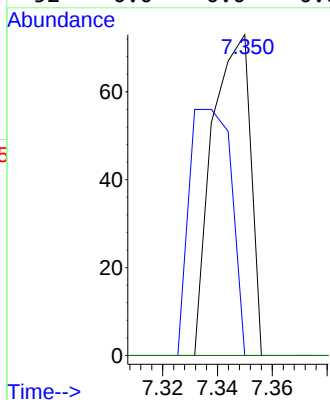
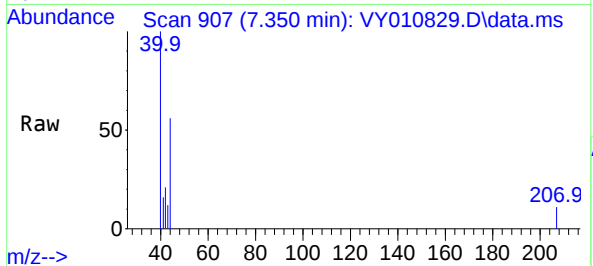




#41
Methacrylonitrile
Concen: 2.665 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

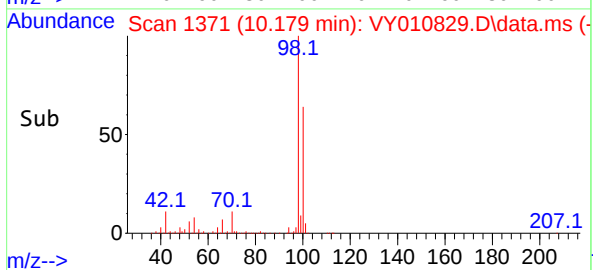
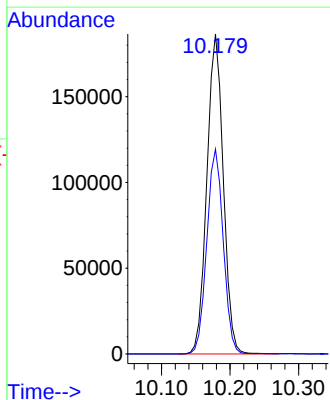
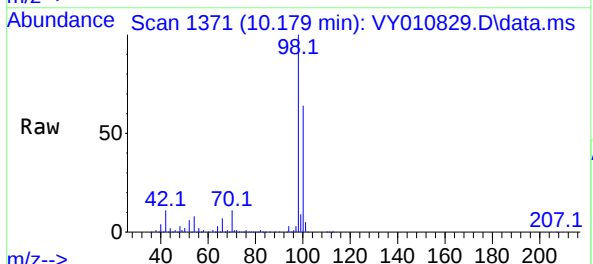
Instrument :
MSVOA_Y
ClientSampleId :
D22008-8.5

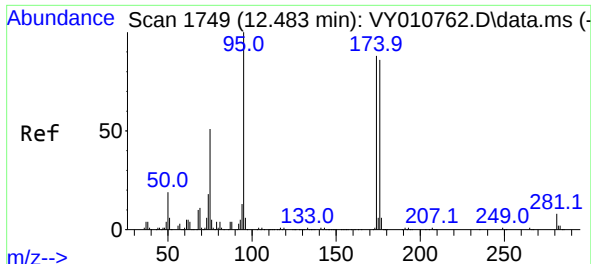
Tgt Ion: 41	Resp: 71
Ion Ratio	Lower Upper
41	100
39	84.5 92.9 139.3#
67	0.0 0.0 0.0
52	0.0 0.0 0.0



#50
Toluene-d8
Concen: 47.027 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

Tgt Ion: 98	Resp: 310772
Ion Ratio	Lower Upper
98	100
100	64.1 50.2 75.2

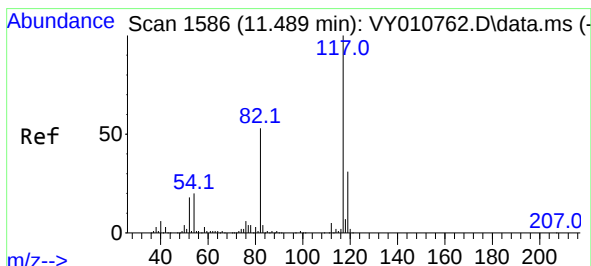
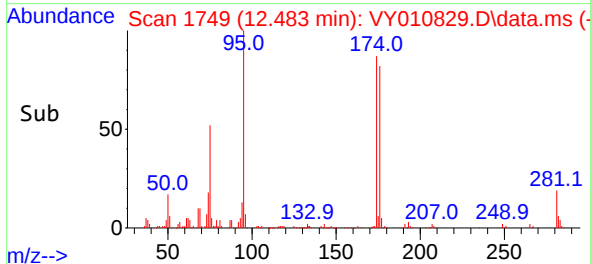
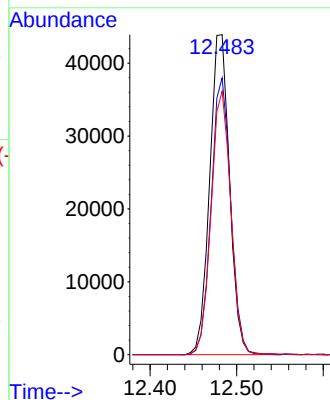
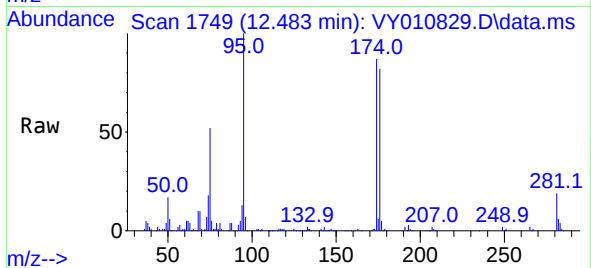




#62
4-Bromofluorobenzene
Concen: 25.283 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

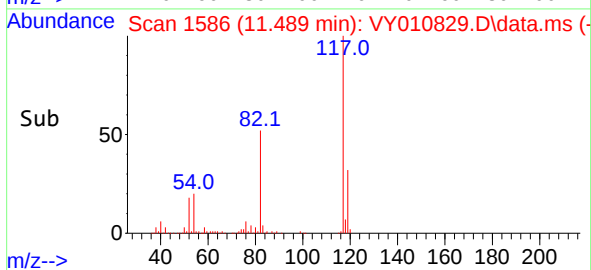
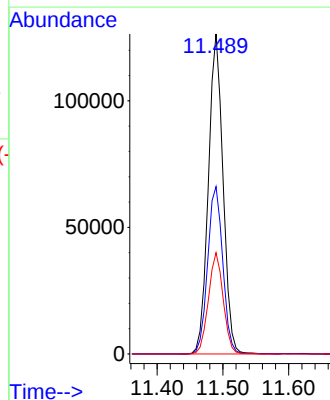
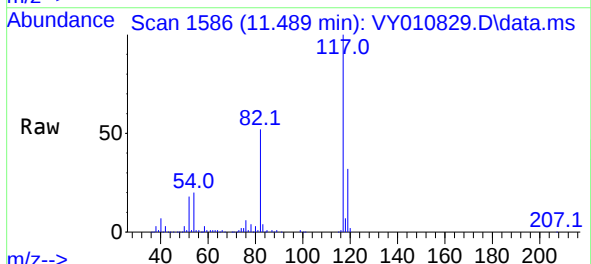
Instrument :
MSVOA_Y
ClientSampleId :
D22008-8.5

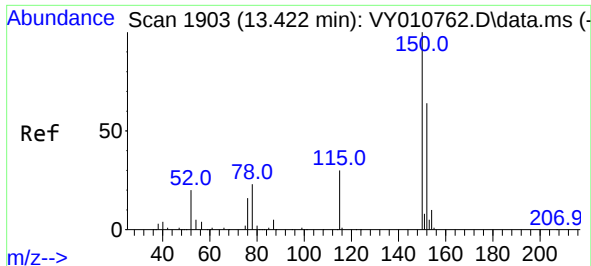
Tgt Ion: 95 Resp: 69971
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 81.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

Tgt Ion: 117 Resp: 196157
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.6 25.4 38.0

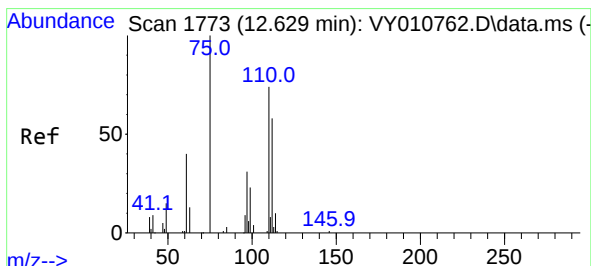
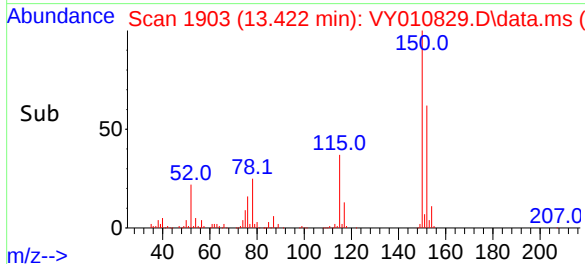
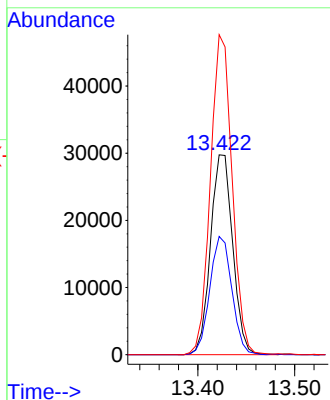
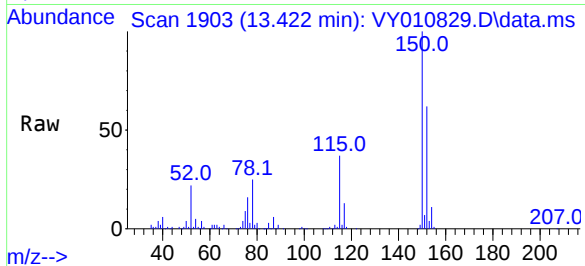




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

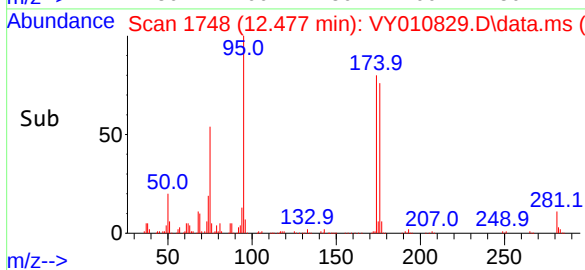
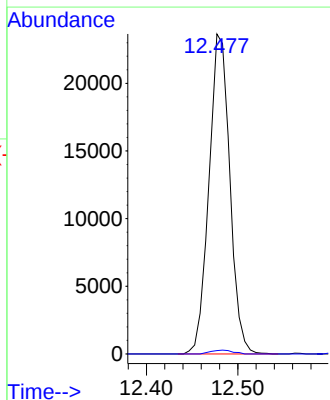
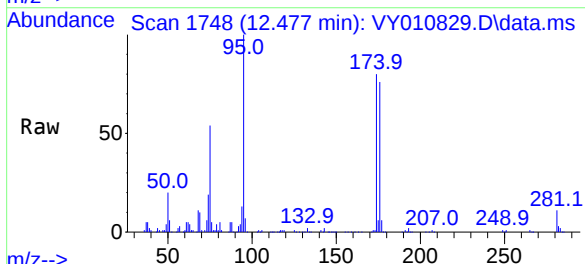
Instrument :
MSVOA_Y
ClientSampleId :
D22008-8.5

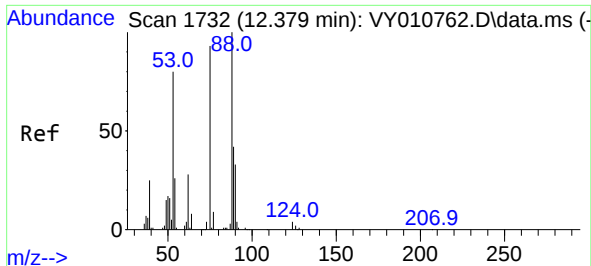
Tgt Ion:152 Resp: 47452
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 156.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 77.916 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010829.D
Acq: 05 Oct 2022 18:40

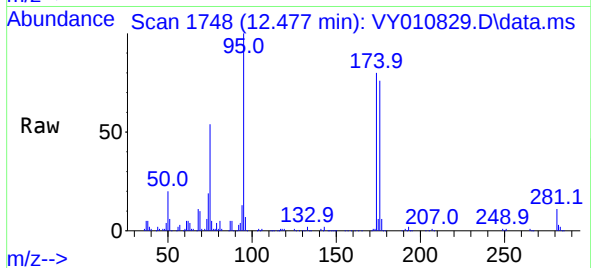
Tgt Ion: 75 Resp: 37442
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.760 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010829.D
 Acq: 05 Oct 2022 18:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22008-8.5



Tgt Ion: 75 Resp: 37442
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.4 37.0 55.4#

