

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015953.D
 Acq On : 13 Oct 2023 13:20
 Operator : SY/MD
 Sample : 04858-01RE
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:49:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

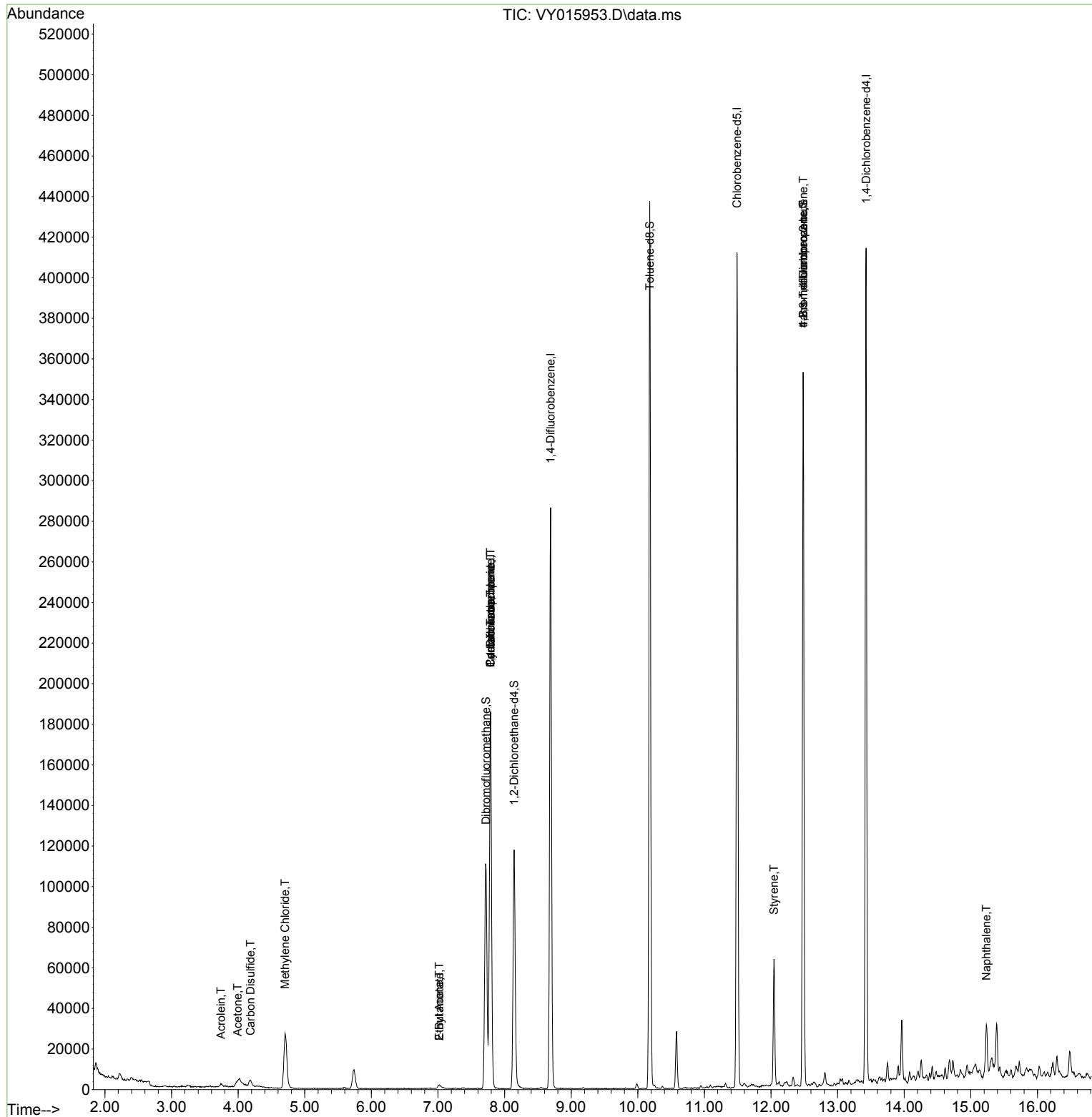
Internal Standards						
1) Pentafluorobenzene	7.789	168	142637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	228943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93305	57.317	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.640%	
35) Dibromofluoromethane	7.722	113	82168	53.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.100%	
50) Toluene-d8	10.179	98	289162	49.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.483	95	102181	49.469	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	825	Below Cal	#	86
13) Acrolein	3.741	56	2183	7.100	ug/l #	75
16) Acetone	3.991	43	4271	4.517	ug/l	98
17) Carbon Disulfide	4.186	76	5984	1.411	ug/l	97
20) Methylene Chloride	4.704	84	21581	8.507	ug/l	87
25) 2-Butanone	7.021	43	3767	2.737	ug/l	95
31) Cyclohexane	7.789	56	2894	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10400	4.450	ug/l #	51
37) Ethyl Acetate	7.021	43	3767	1.045	ug/l #	71
38) Carbon Tetrachloride	7.789	117	13844	5.625	ug/l #	16
70) Styrene	12.044	104	31860	6.049	ug/l #	84
76) 1,2,3-Trichloropropane	12.483	75	52436	24.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52436	58.590	ug/l #	11
95) Naphthalene	15.233	128	20344	2.766	ug/l	97

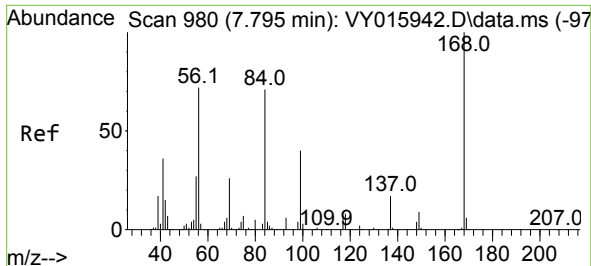
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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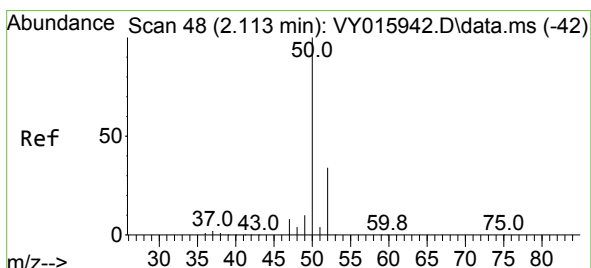
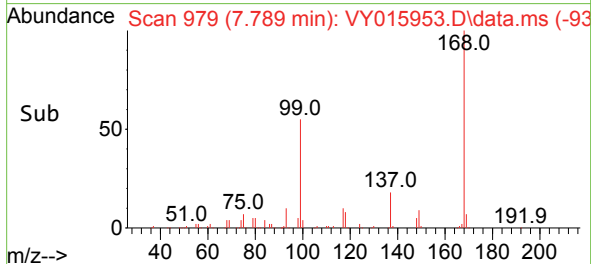
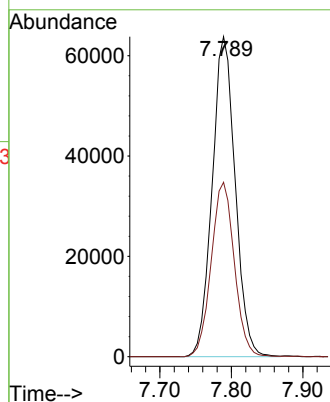
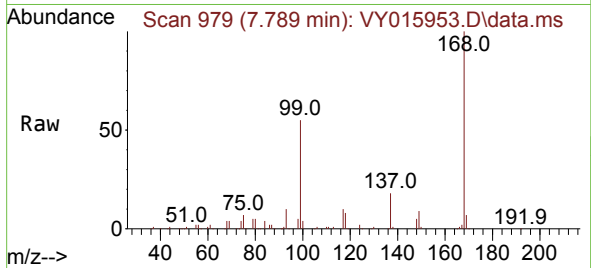




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

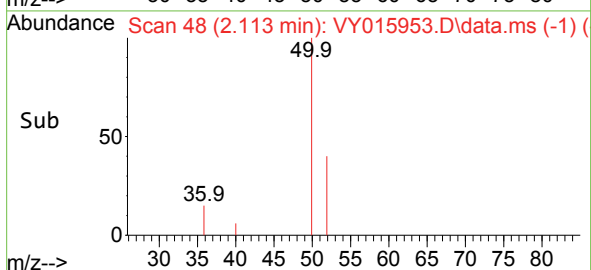
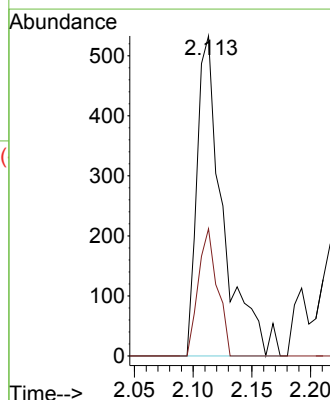
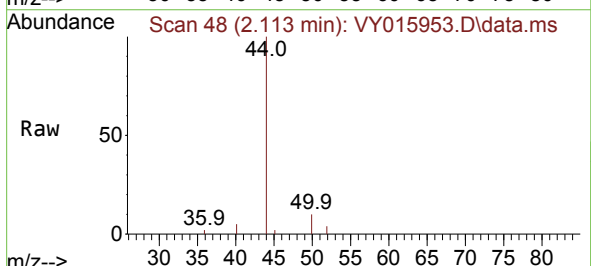
Instrument :
MSVOA_Y
ClientSampleId :

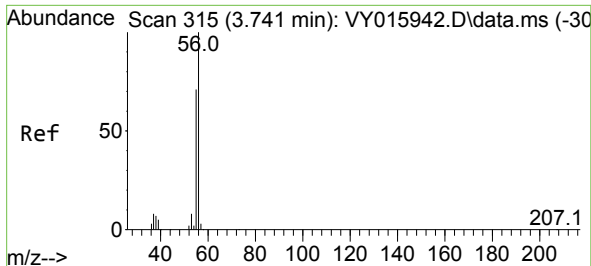
Tgt Ion:168 Resp: 142637
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

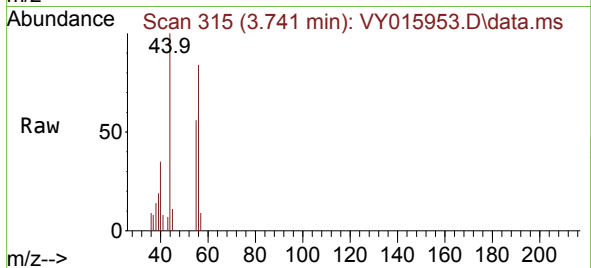
Tgt Ion: 50 Resp: 825
Ion Ratio Lower Upper
50 100
52 39.8 25.4 38.2#



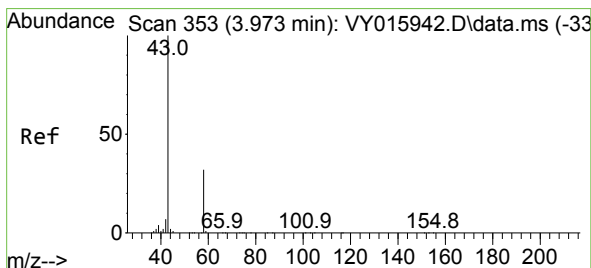
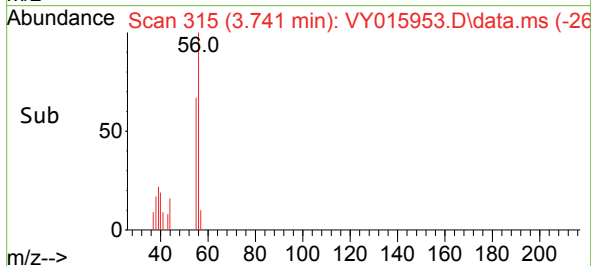
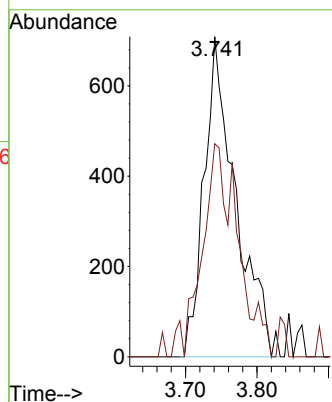


#13
Acrolein
Concen: 7.100 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Instrument :
MSVOA_Y
ClientSampleId :

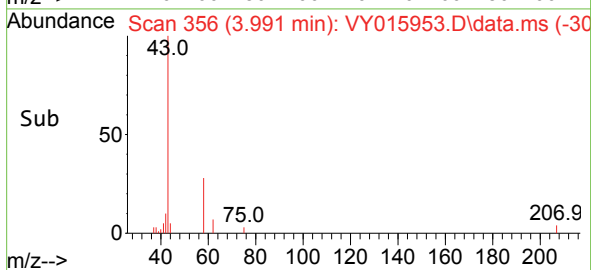
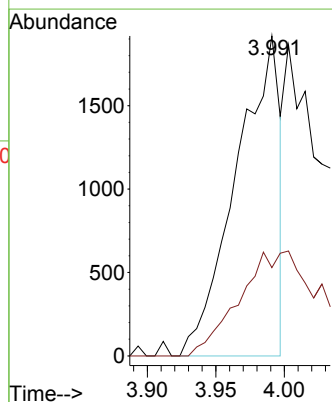
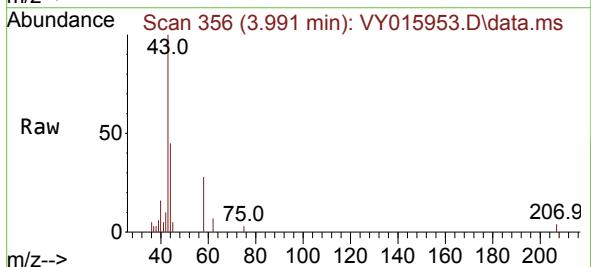


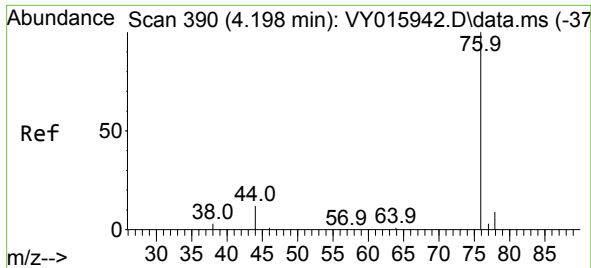
Tgt Ion: 56 Resp: 2183
Ion Ratio Lower Upper
56 100
55 50.2 57.0 85.4#



#16
Acetone
Concen: 4.517 ug/l
RT: 3.991 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
58 27.6 22.7 34.1

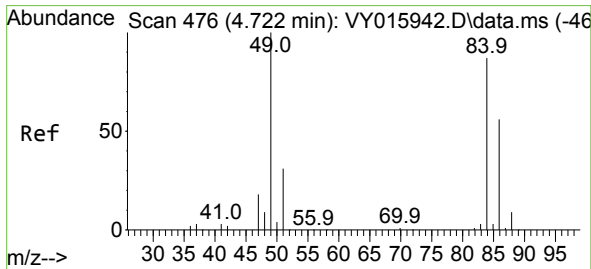
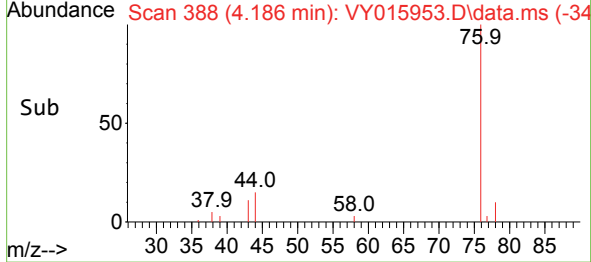
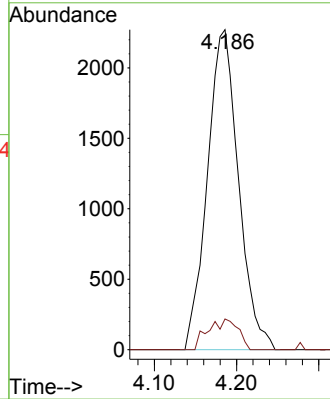
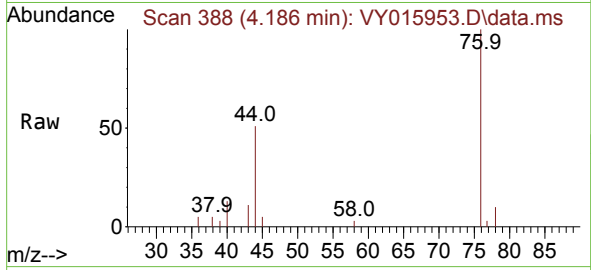




#17
Carbon Disulfide
Concen: 1.411 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

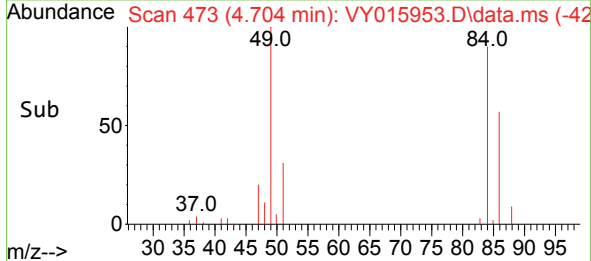
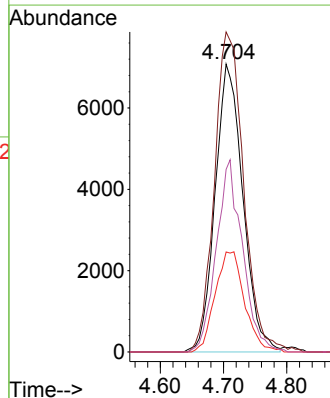
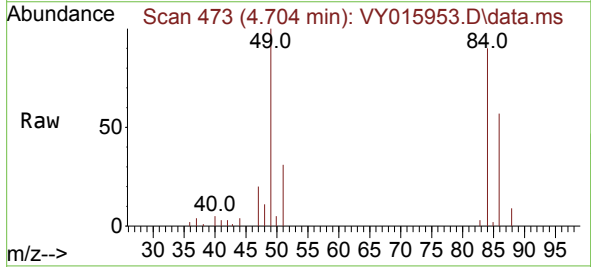
Instrument :
MSVOA_Y
ClientSampleId :

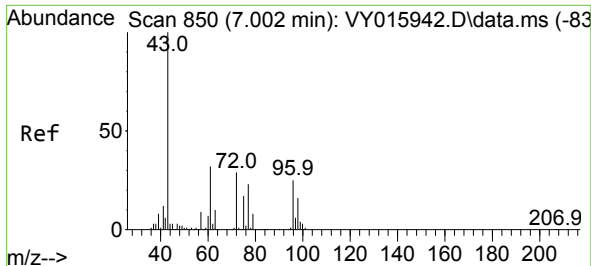
Tgt Ion: 76 Resp: 5984
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4



#20
Methylene Chloride
Concen: 8.507 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

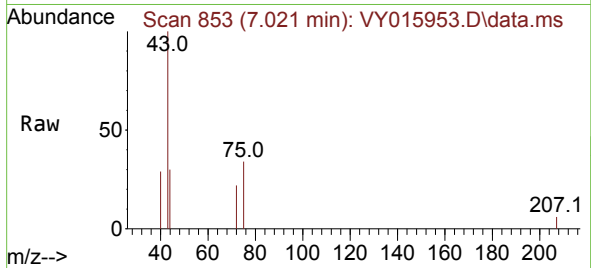
Tgt Ion: 84 Resp: 21581
Ion Ratio Lower Upper
84 100
49 111.1 106.9 160.3
51 34.8 33.2 49.8
86 63.4 51.0 76.6



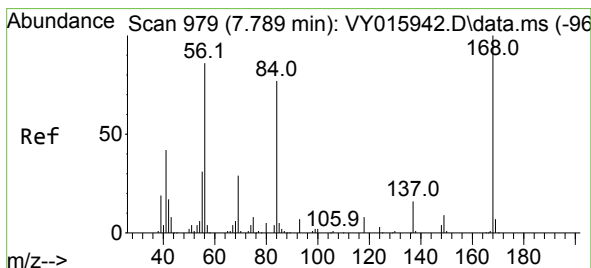
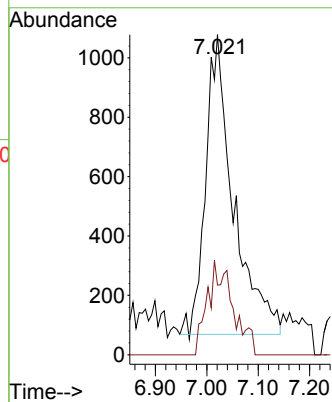
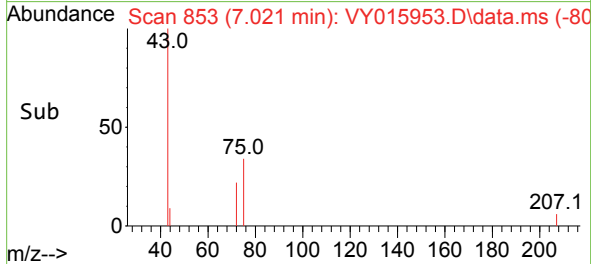


#25
2-Butanone
Concen: 2.737 ug/l
RT: 7.021 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Instrument :
MSVOA_Y
ClientSampleId :

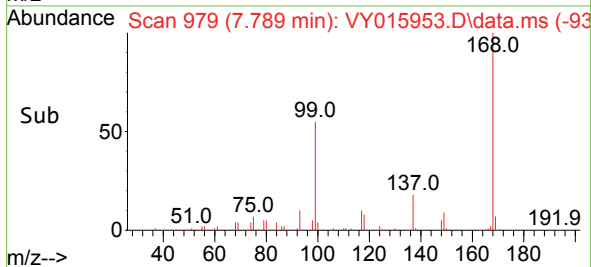
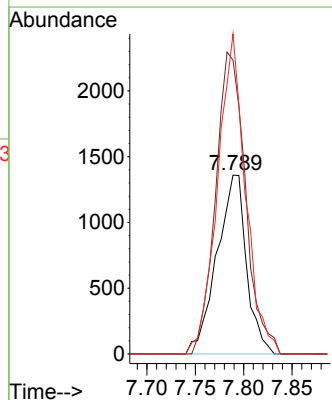
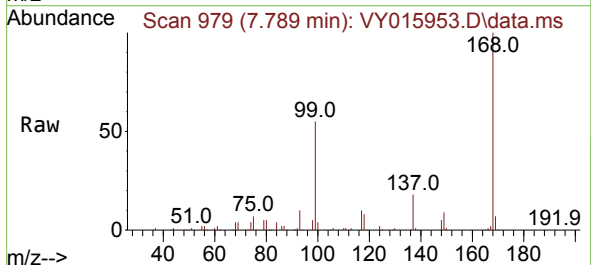


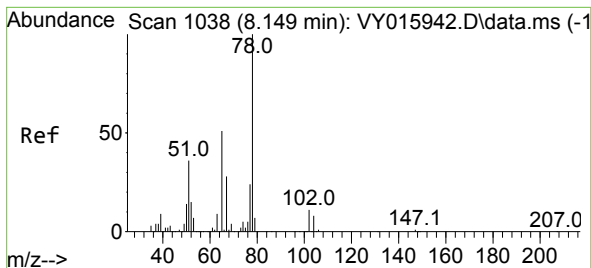
Tgt Ion: 43 Resp: 3767
Ion Ratio Lower Upper
43 100
72 23.3 20.5 30.7



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Tgt Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 164.3 27.8 41.6#
84 178.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.317 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

Instrument :

MSVOA_Y

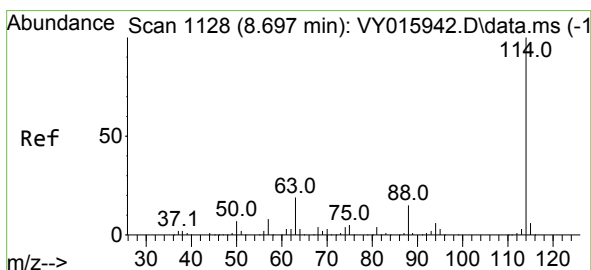
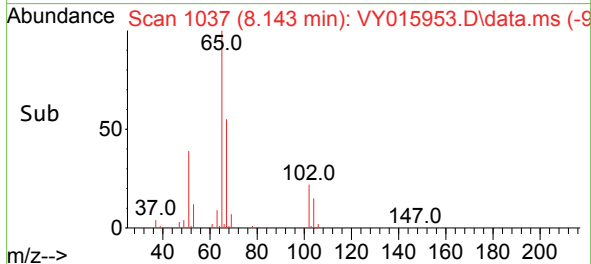
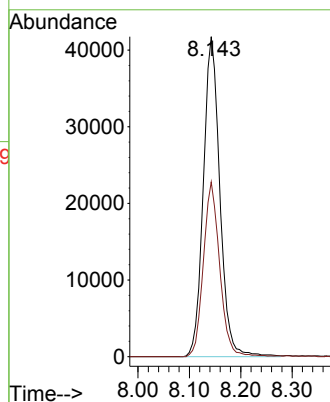
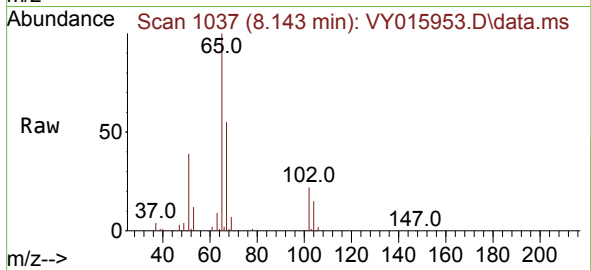
ClientSampleId :

Tgt Ion: 65 Resp: 93305

Ion Ratio Lower Upper

65 100

67 53.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

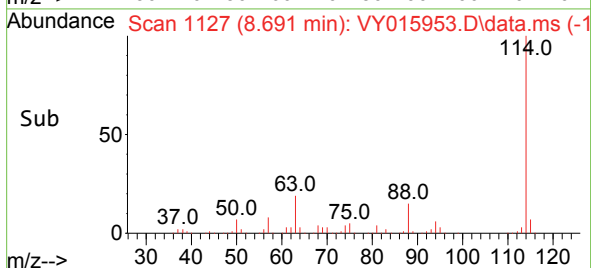
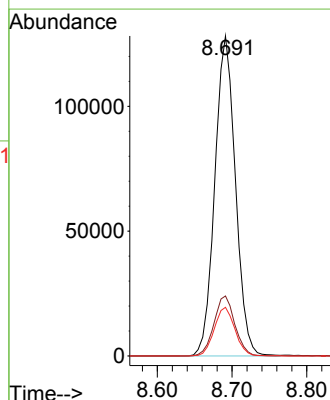
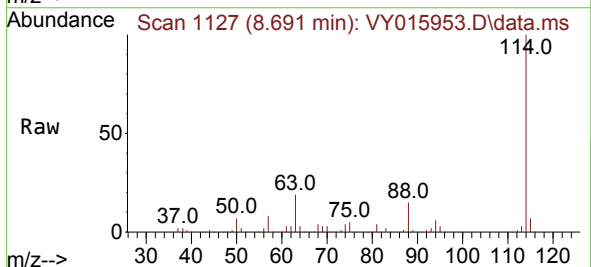
Tgt Ion: 114 Resp: 246041

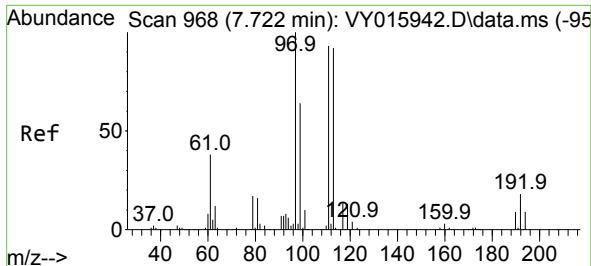
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.2 0.0 30.6

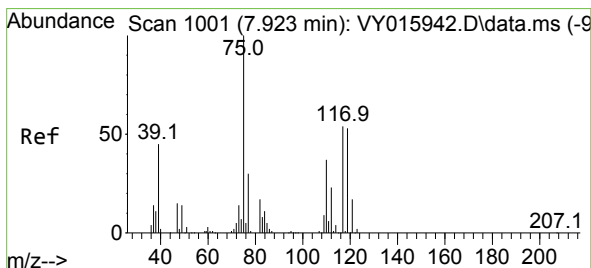
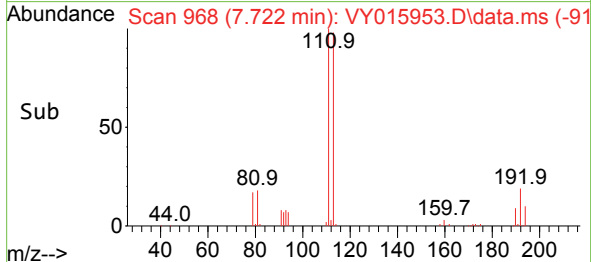
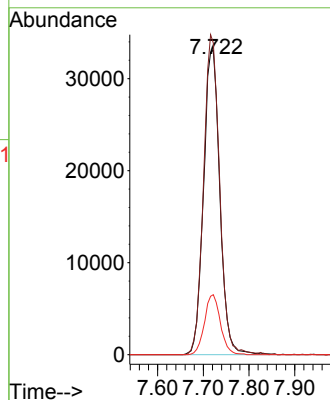
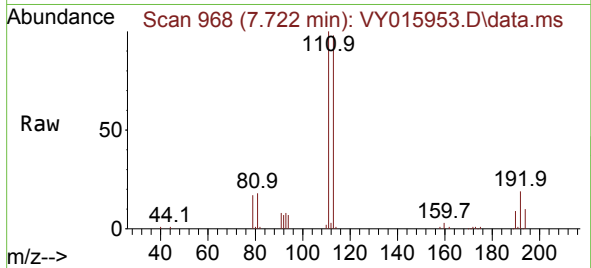




#35
Dibromofluoromethane
Concen: 53.047 ug/l
RT: 7.722 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

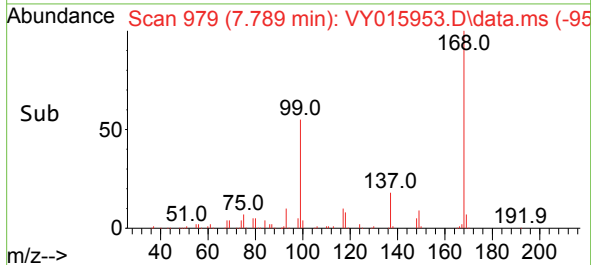
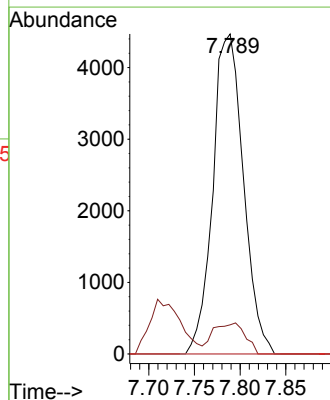
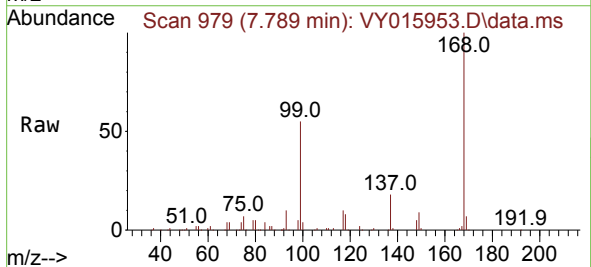
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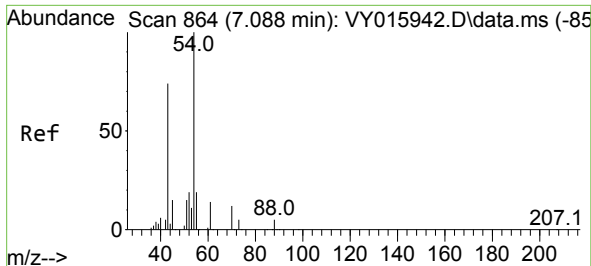
Tgt Ion:113 Resp: 82168
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.450 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Tgt Ion: 75 Resp: 10400
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.045 ug/l

RT: 7.021 min Scan# 81

Delta R.T. -0.067 min

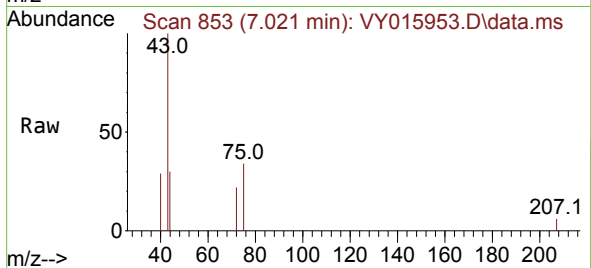
Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :



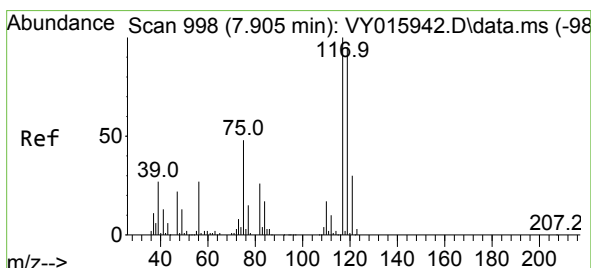
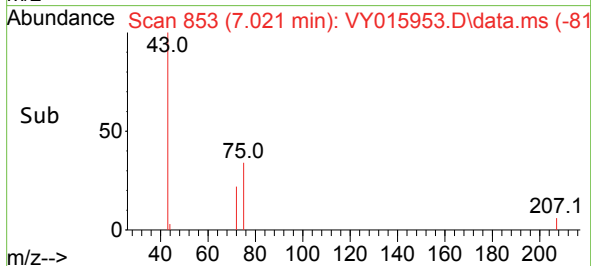
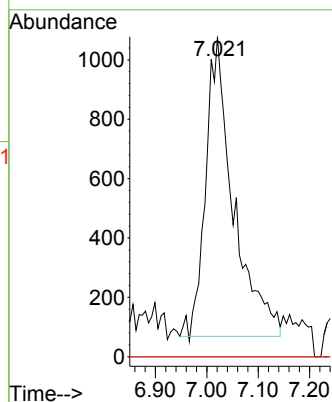
Tgt Ion: 43 Resp: 3767

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.625 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

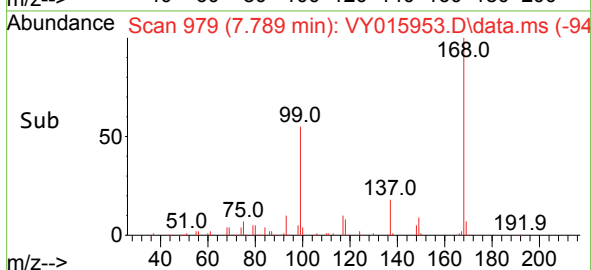
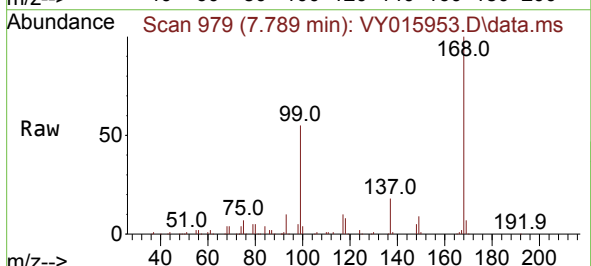
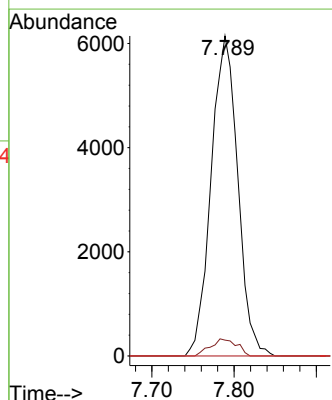
Tgt Ion: 117 Resp: 13844

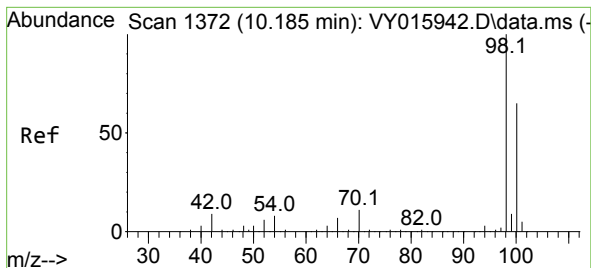
Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.849 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

Instrument :

MSVOA_Y

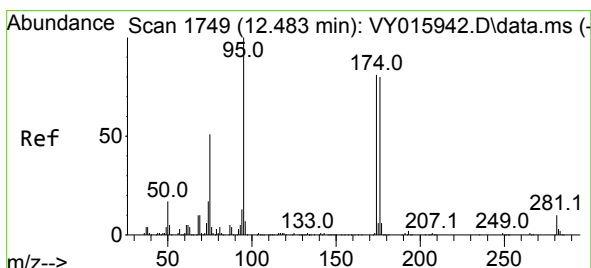
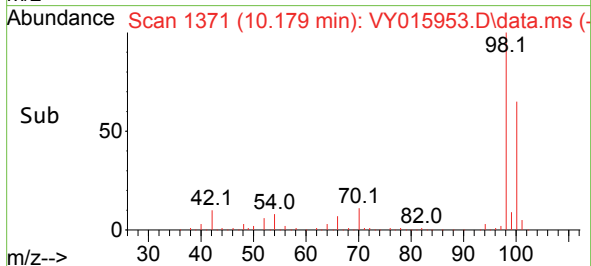
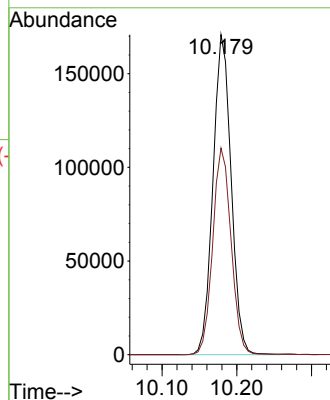
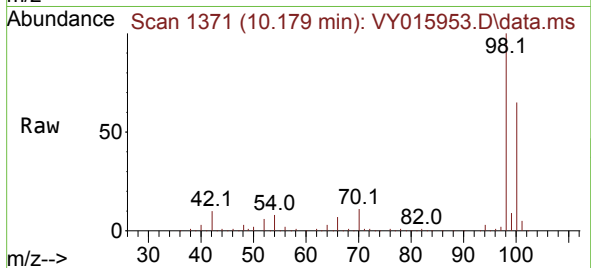
ClientSampleId :

Tgt Ion: 98 Resp: 289162

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.469 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

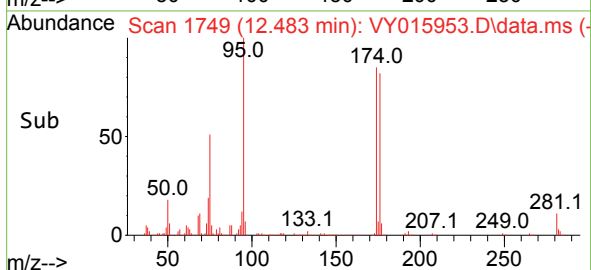
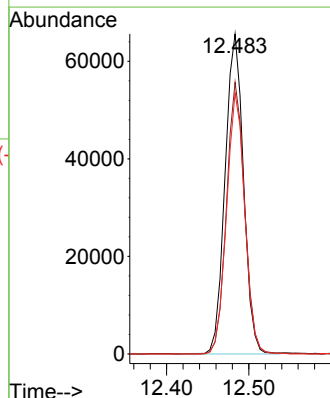
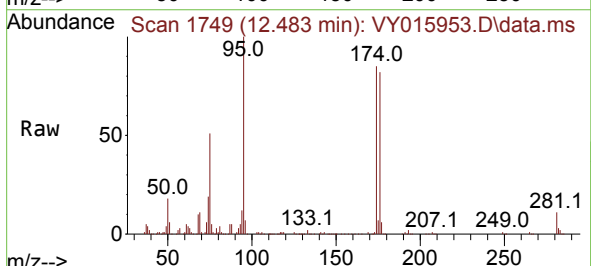
Tgt Ion: 95 Resp: 102181

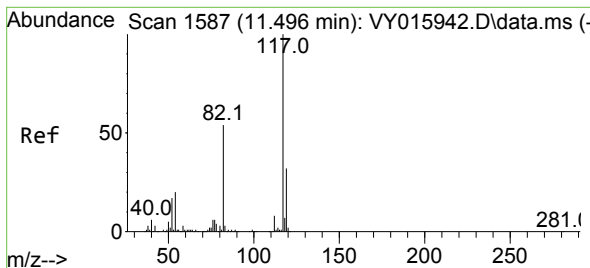
Ion Ratio Lower Upper

95 100

174 83.6 0.0 178.2

176 80.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.006 min

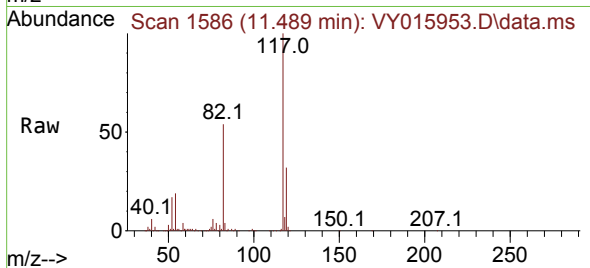
Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :



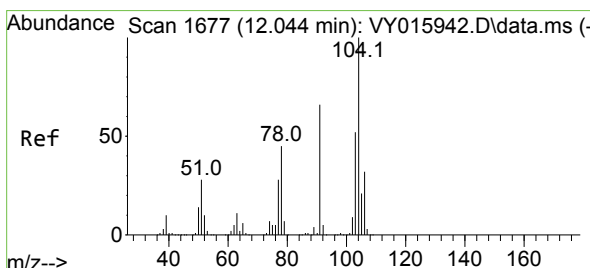
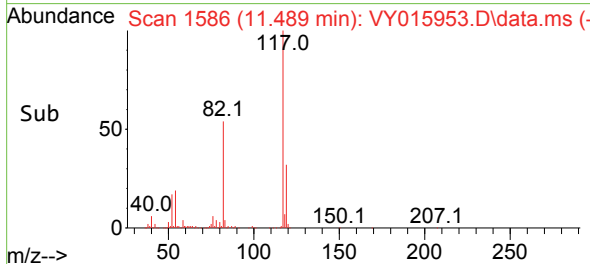
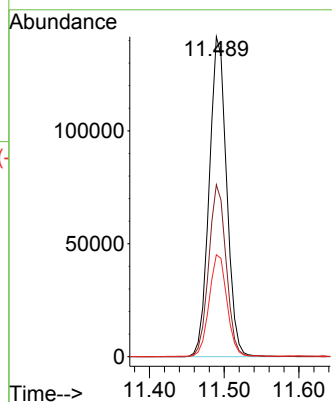
Tgt Ion:117 Resp: 228943

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 31.7 26.3 39.5



#70

Styrene

Concen: 6.049 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

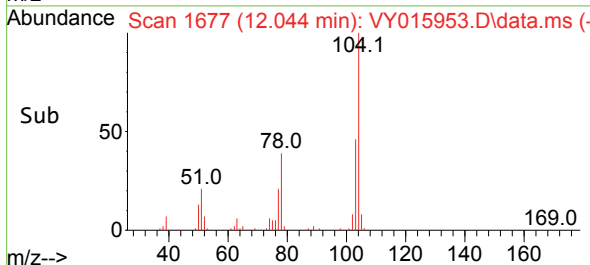
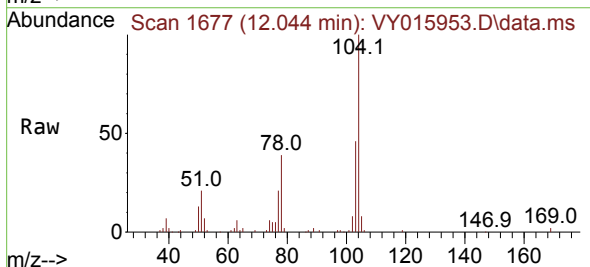
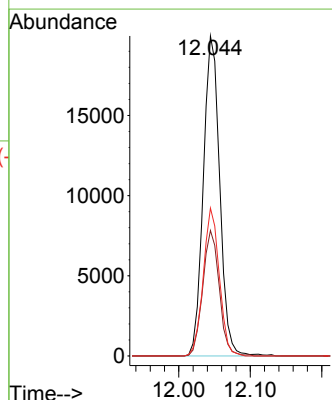
Tgt Ion:104 Resp: 31860

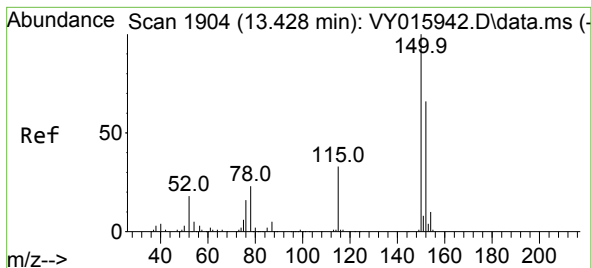
Ion Ratio Lower Upper

104 100

78 39.4 41.5 62.3#

103 45.2 44.6 67.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

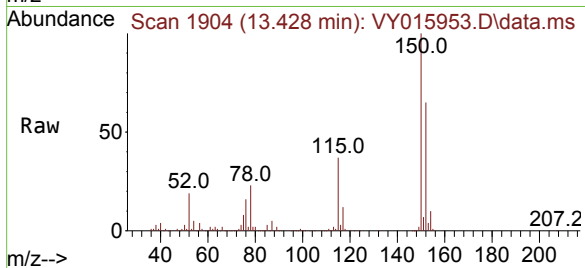
Lab File: VY015953.D

Acq: 13 Oct 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :



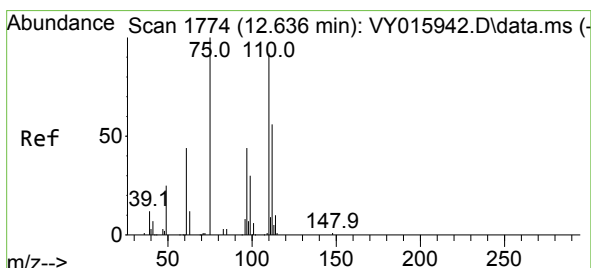
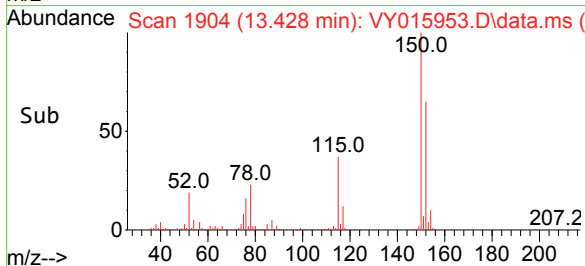
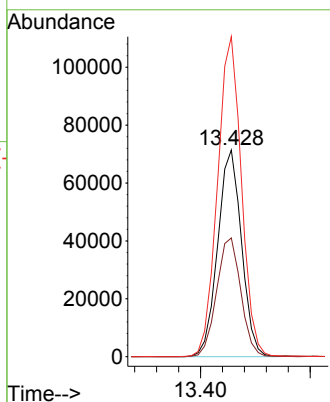
Tgt Ion:152 Resp: 107728

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 24.872 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015953.D

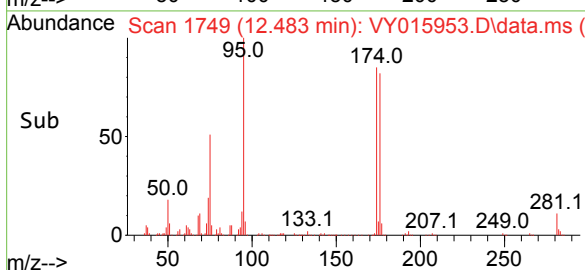
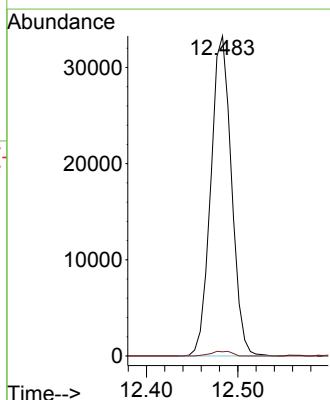
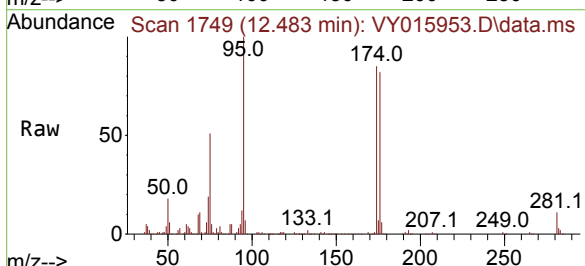
Acq: 13 Oct 2023 13:20

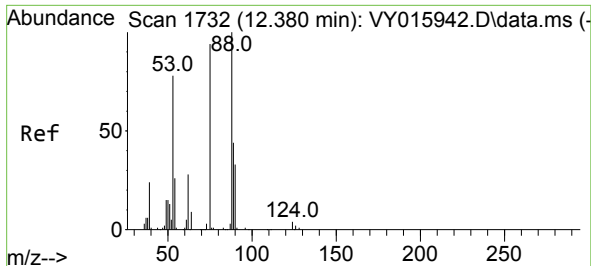
Tgt Ion: 75 Resp: 52436

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

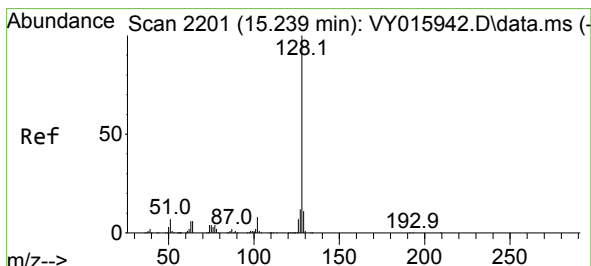
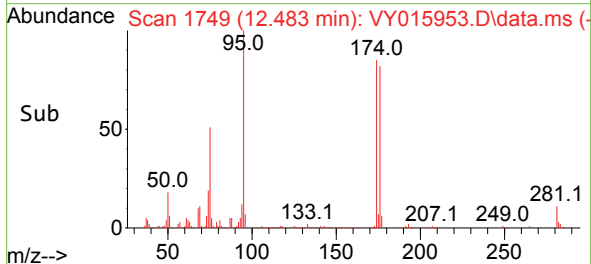
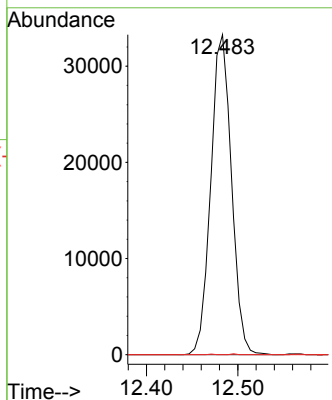
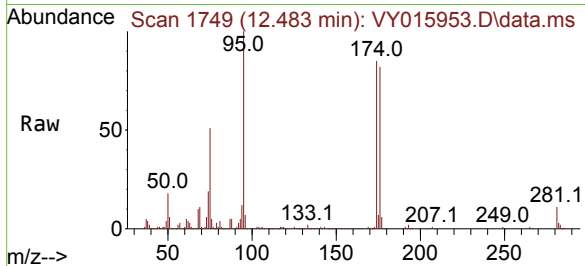




#81
trans-1,4-Dichloro-2-butene
Concen: 58.590 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 52436
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 2.766 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY015953.D
Acq: 13 Oct 2023 13:20

Tgt Ion: 128 Resp: 20344
Ion Ratio Lower Upper
128 100
127 14.1 10.8 16.2
129 12.2 8.6 13.0

