

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015834.D
 Acq On : 04 Oct 2023 17:48
 Operator : SY/MD
 Sample : 04693-03
 Misc : 3.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:57:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	258115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	451140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	404991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174077	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	163262	57.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.980%
35) Dibromofluoromethane	7.710	113	141790	52.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.020%
50) Toluene-d8	10.179	98	527890	57.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.320%
62) 4-Bromofluorobenzene	12.477	95	179441	49.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.880%

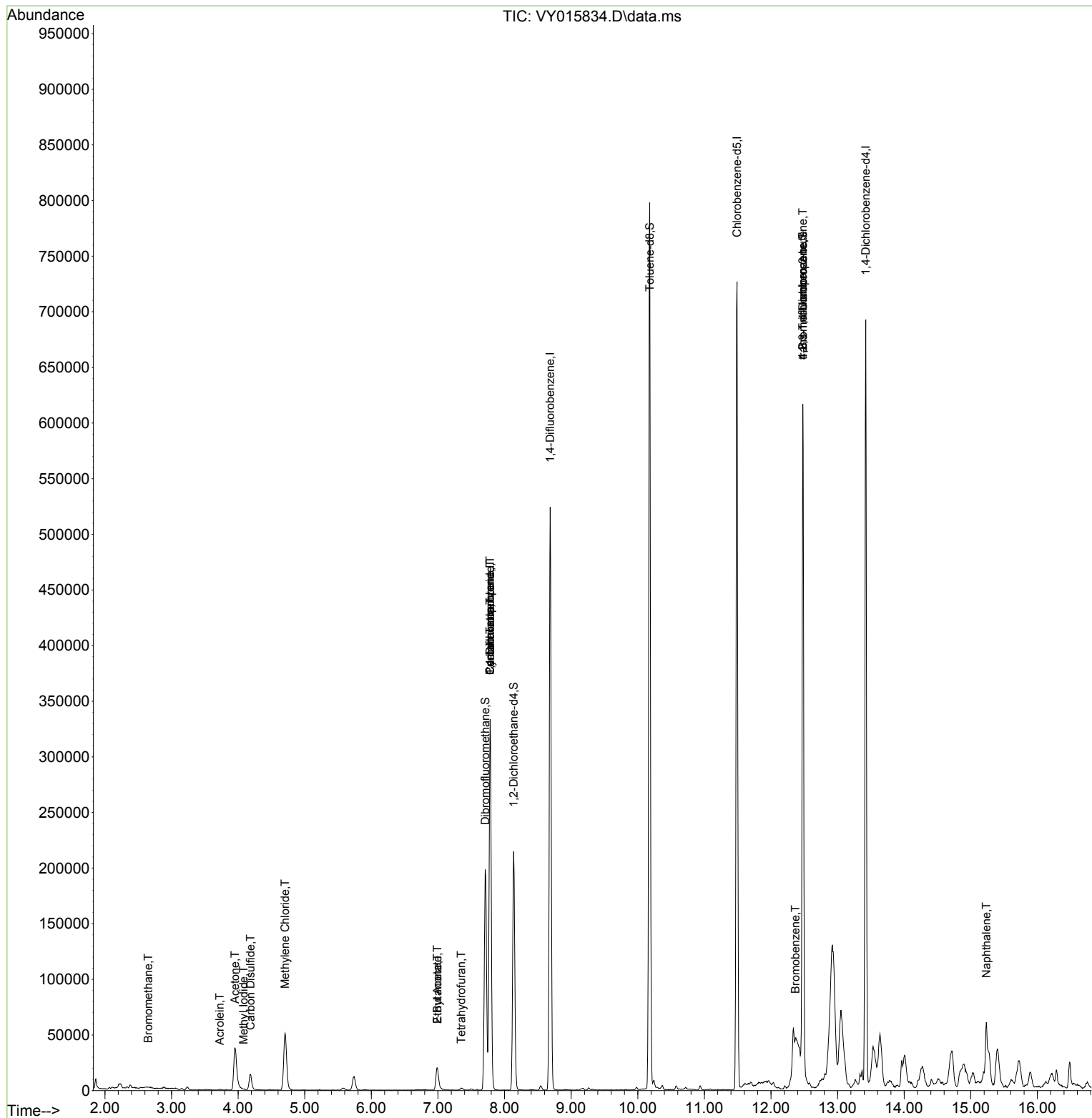
Target Compounds			Qvalue			
5) Bromomethane	2.650	94	193	2.632	ug/l #	74
10) Methyl Iodide	4.082	142	57	2.747	ug/l #	38
11) Tert butyl alcohol	4.960	59	183	Below Cal	#	89
13) Acrolein	3.723	56	988	2.272	ug/l	87
16) Acetone	3.954	43	82804	54.482	ug/l	93
17) Carbon Disulfide	4.186	76	29647	6.721	ug/l #	92
20) Methylene Chloride	4.704	84	39408	7.750	ug/l #	88
25) 2-Butanone	6.990	43	36485	16.984	ug/l	98
29) Tetrahydrofuran	7.350	42	1432	1.179	ug/l #	88
31) Cyclohexane	7.783	56	5499	1.398	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	19442	4.870	ug/l #	50
37) Ethyl Acetate	6.990	43	36485	9.162	ug/l #	71
38) Carbon Tetrachloride	7.783	117	25477	5.879	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	95484	34.383	ug/l #	100
77) Bromobenzene	12.367	156	69167	21.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	95633	77.547	ug/l #	11
95) Naphthalene	15.233	128	38572	4.003	ug/l #	94

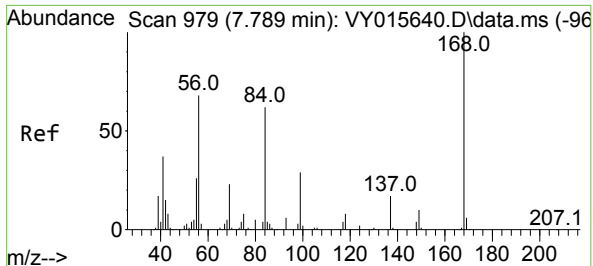
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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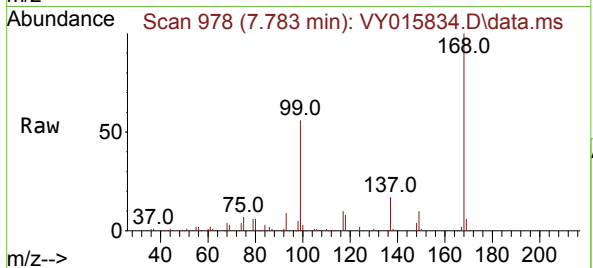
Quant Time: Oct 05 06:57:19 2023
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QLast Update : Wed Sep 20 01:39:40 2023
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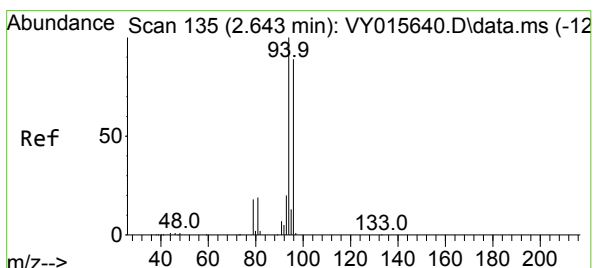
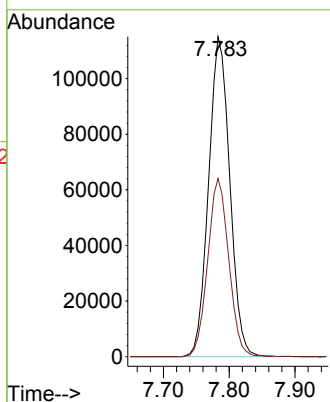
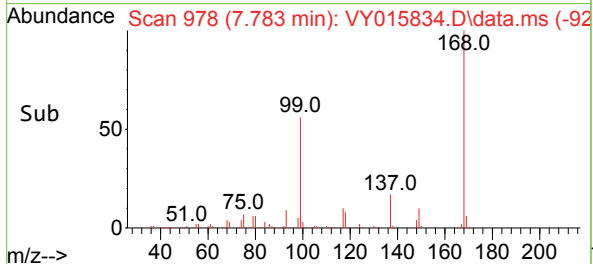


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Instrument :
MSVOA_Y
ClientSampleId :

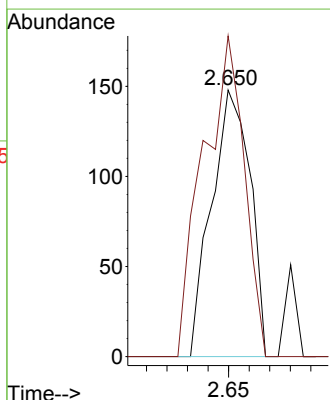
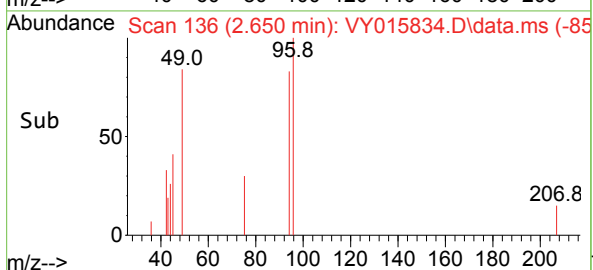
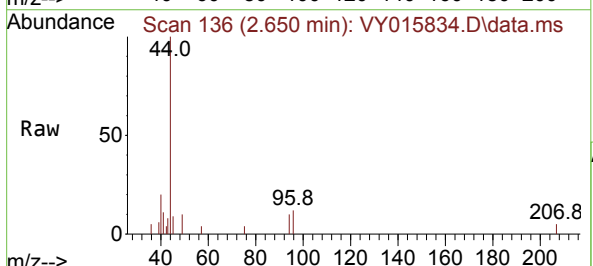


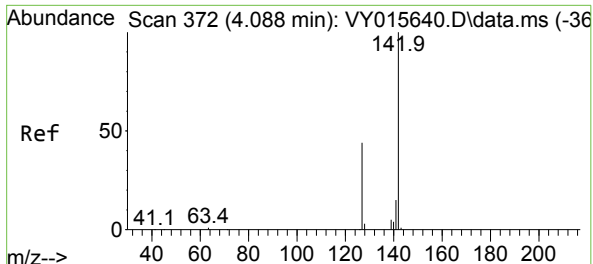
Tgt Ion:168 Resp: 258115
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#5
Bromomethane
Concen: 2.632 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 120.3 75.8 113.6#





#10

Methyl Iodide

Concen: 2.747 ug/l

RT: 4.082 min Scan# 31

Delta R.T. 0.000 min

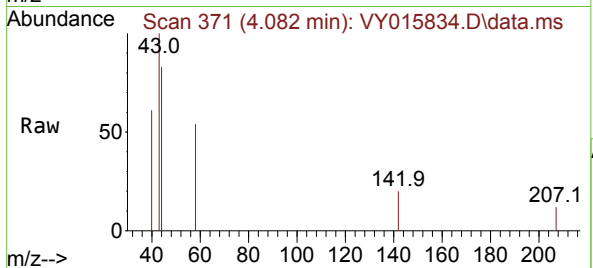
Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :



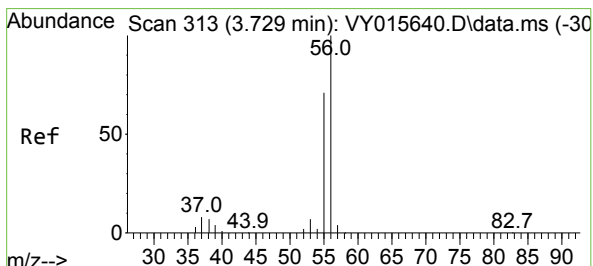
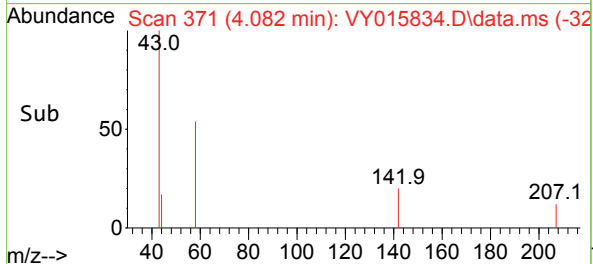
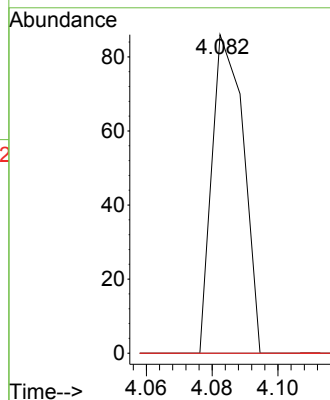
Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#13

Acrolein

Concen: 2.272 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY015834.D

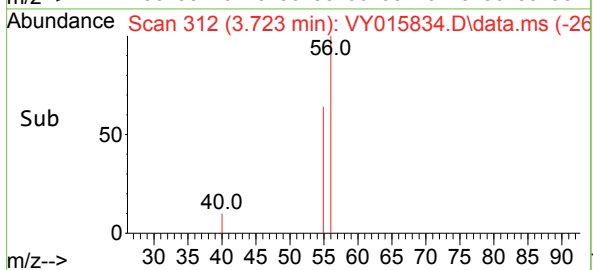
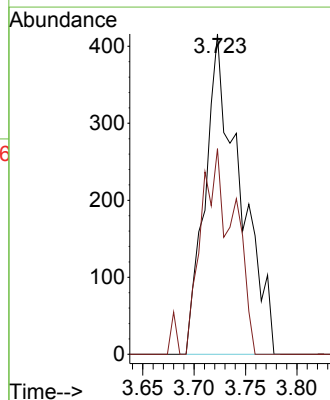
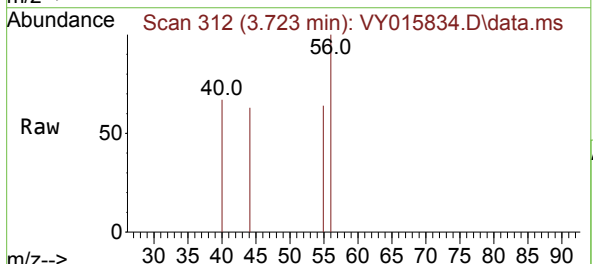
Acq: 04 Oct 2023 17:48

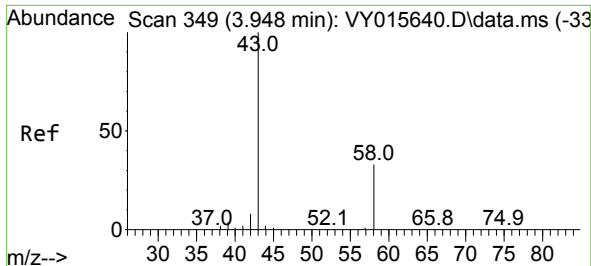
Tgt Ion: 56 Resp: 988

Ion Ratio Lower Upper

56 100

55 60.8 57.0 85.4





#16

Acetone

Concen: 54.482 ug/l

RT: 3.954 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

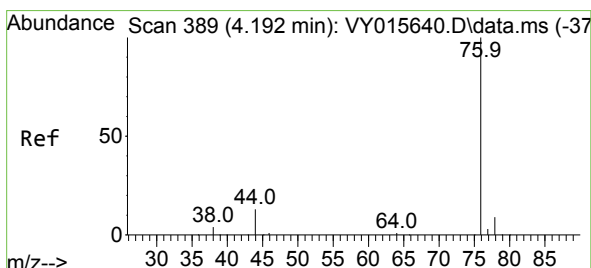
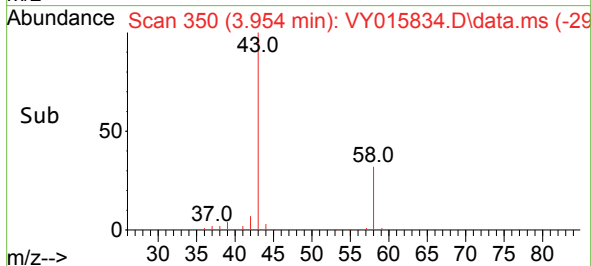
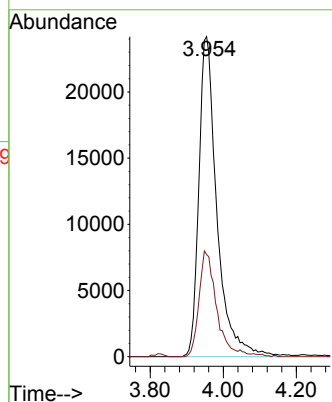
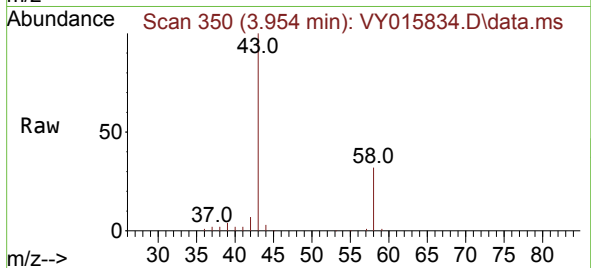
ClientSampleId :

Tgt Ion: 43 Resp: 82804

Ion Ratio Lower Upper

43 100

58 31.9 22.7 34.1



#17

Carbon Disulfide

Concen: 6.721 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY015834.D

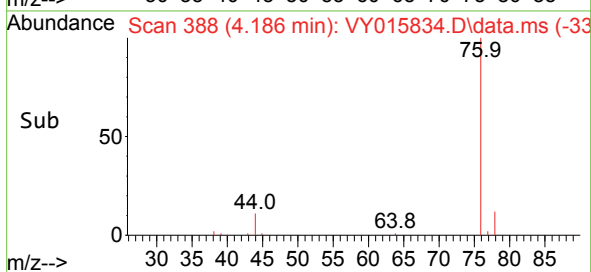
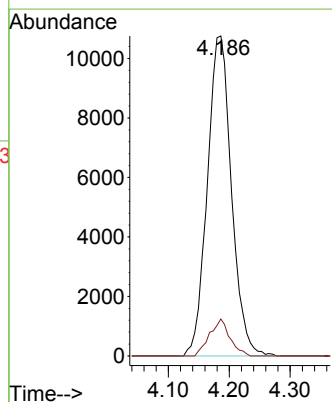
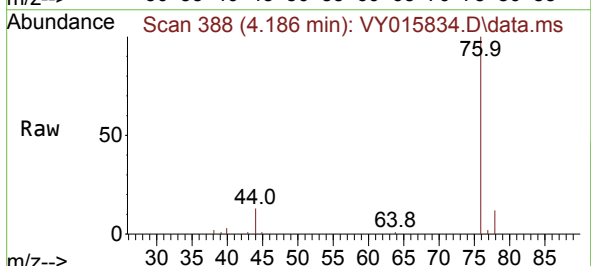
Acq: 04 Oct 2023 17:48

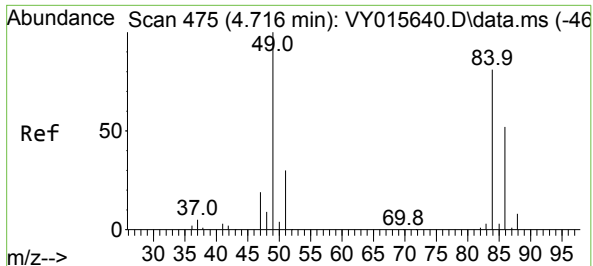
Tgt Ion: 76 Resp: 29647

Ion Ratio Lower Upper

76 100

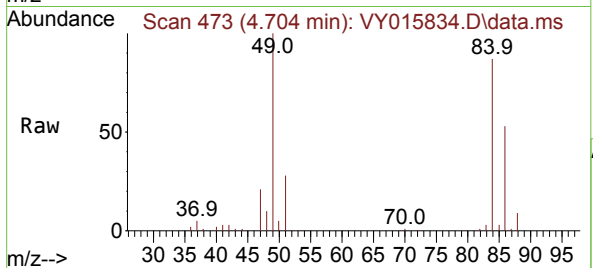
78 11.6 7.0 10.4#



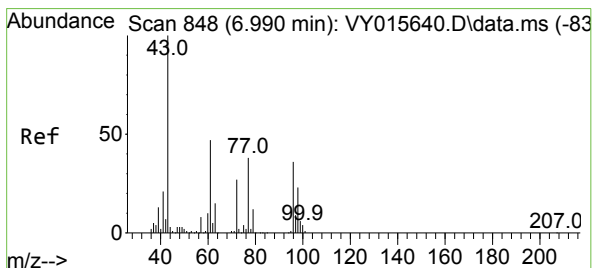
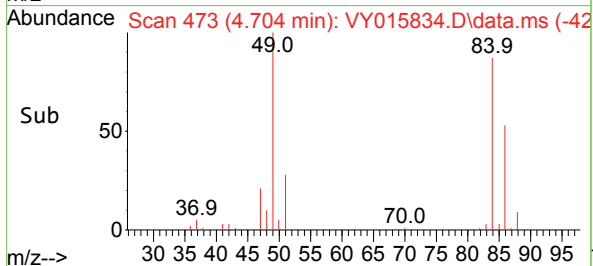
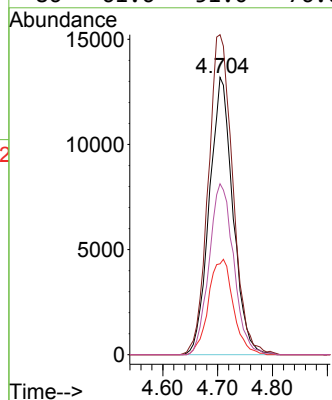


#20
Methylene Chloride
Concen: 7.750 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Instrument :
MSVOA_Y
ClientSampleId :

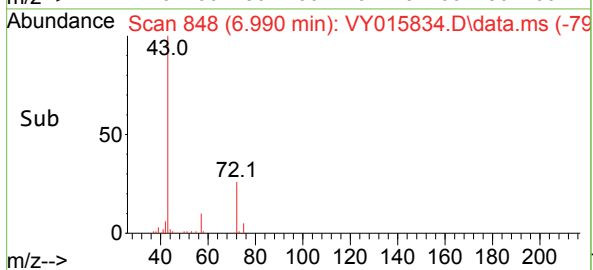
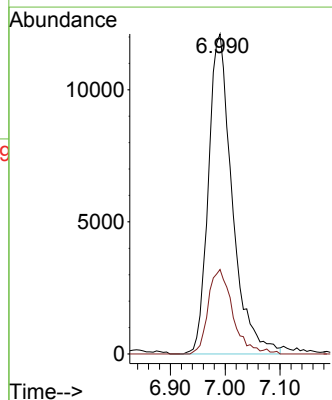
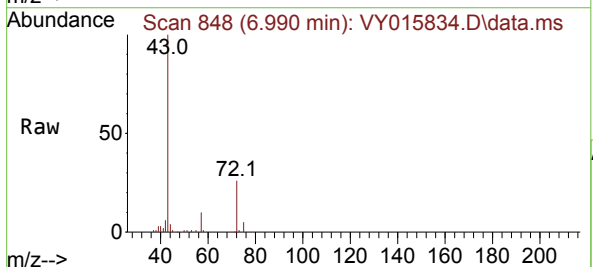


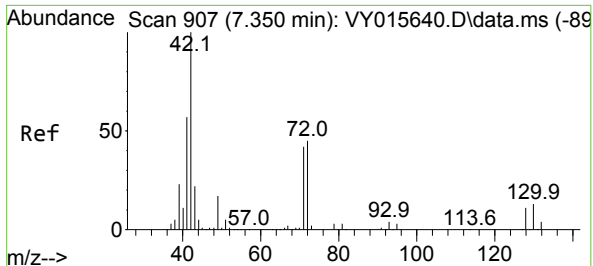
Tgt Ion:	84	Resp:	39408
Ion	Ratio	Lower	Upper
84	100		
49	115.4	106.9	160.3
51	32.8	33.2	49.8#
86	61.6	51.0	76.6



#25
2-Butanone
Concen: 16.984 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion:	43	Resp:	36485
Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.5	30.7





#29

Tetrahydrofuran

Concen: 1.179 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

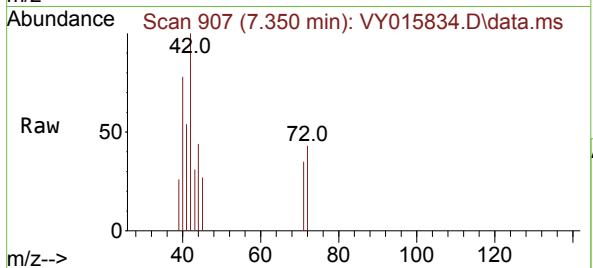
Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

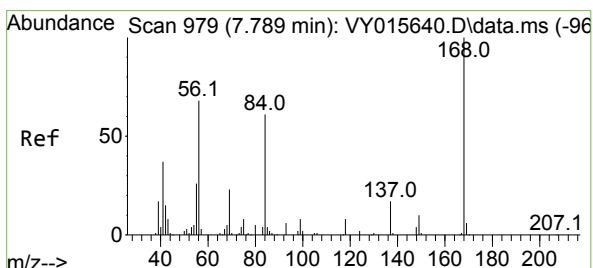
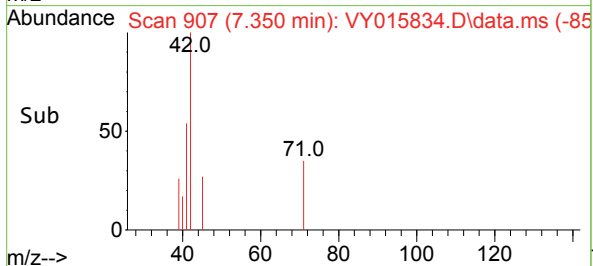
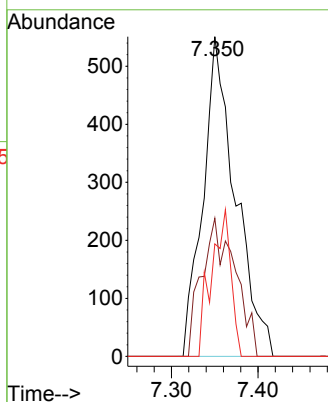
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1432
Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.8	49.2
71	27.6	31.0	46.4



#31

Cyclohexane

Concen: 1.398 ug/l

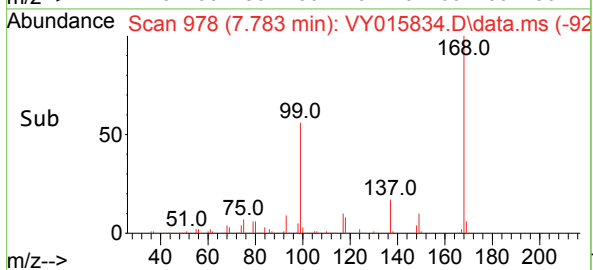
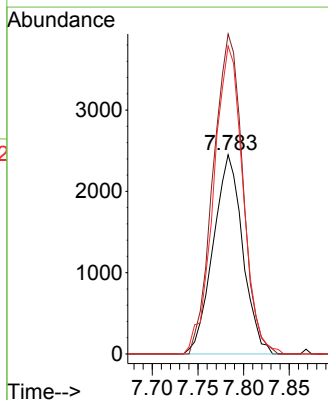
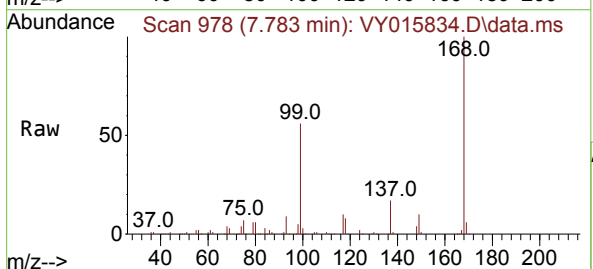
RT: 7.783 min Scan# 978

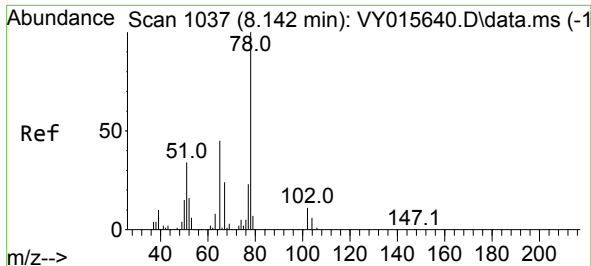
Delta R.T. -0.000 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Tgt Ion:	56	Resp:	5499
Ion	Ratio	Lower	Upper
56	100		
69	160.6	27.8	41.6
84	154.6	66.4	99.6

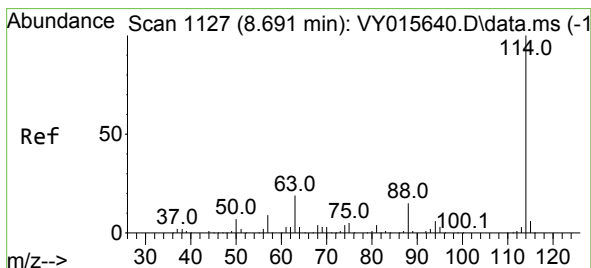
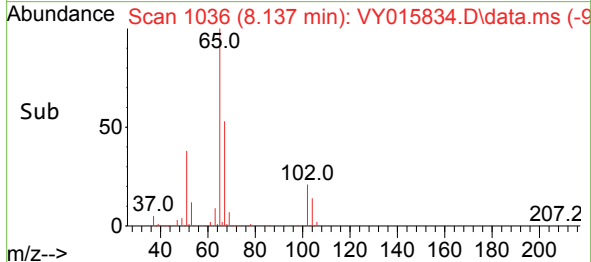
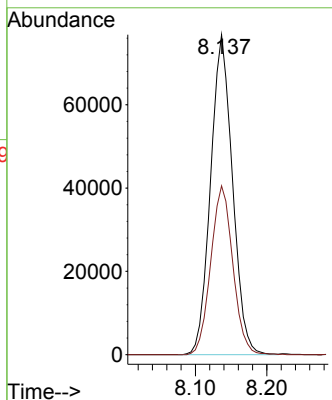
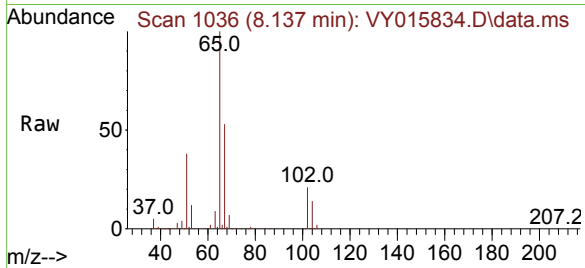




#33
 1,2-Dichloroethane-d4
 Concen: 57.487 ug/l
 RT: 8.137 min Scan# 1103
 Delta R.T. 0.001 min
 Lab File: VY015834.D
 Acq: 04 Oct 2023 17:48

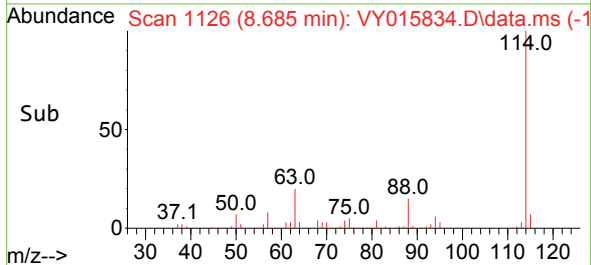
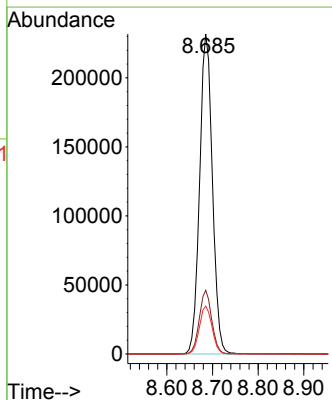
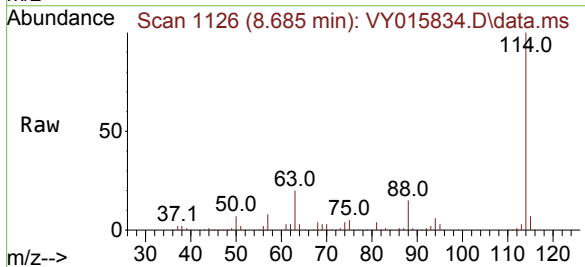
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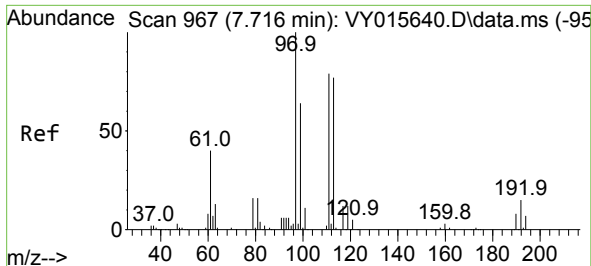
Tgt Ion: 65 Resp: 163262
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015834.D
 Acq: 04 Oct 2023 17:48

Tgt Ion: 114 Resp: 451140
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 15.0 0.0 30.6

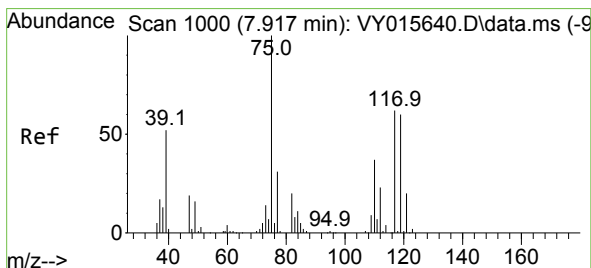
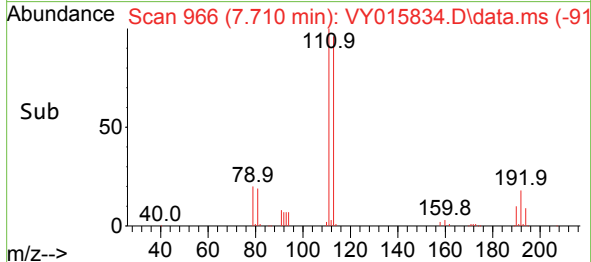
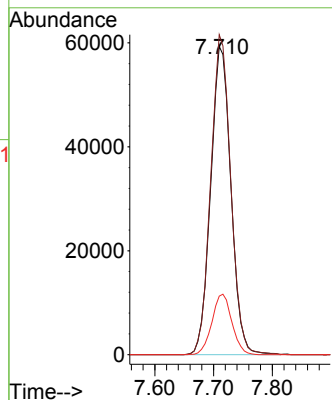
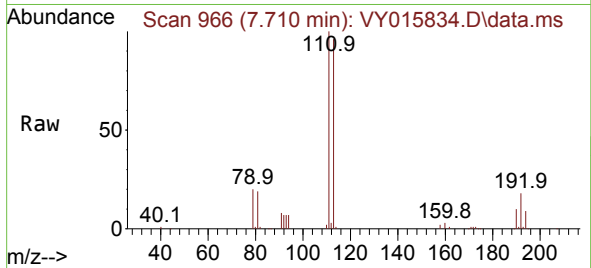




#35
Dibromofluoromethane
Concen: 52.510 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

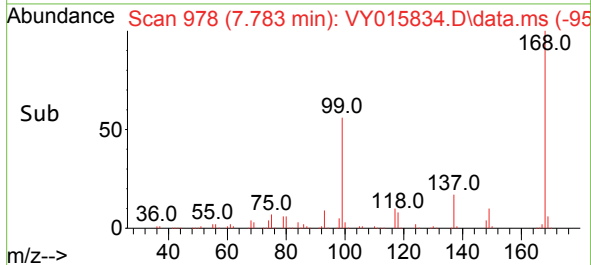
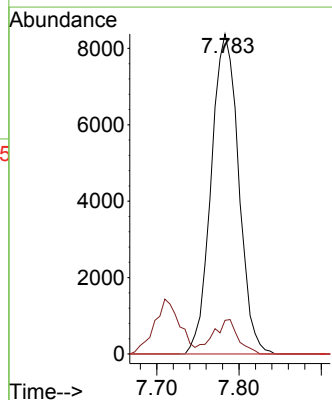
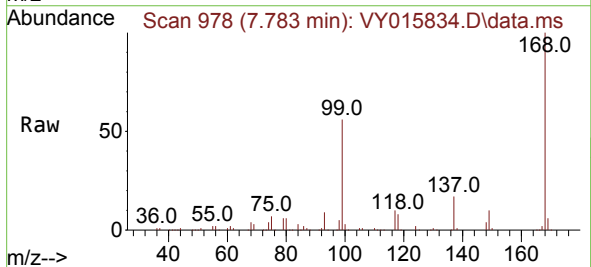
Instrument :
MSVOA_Y
ClientSampleId :

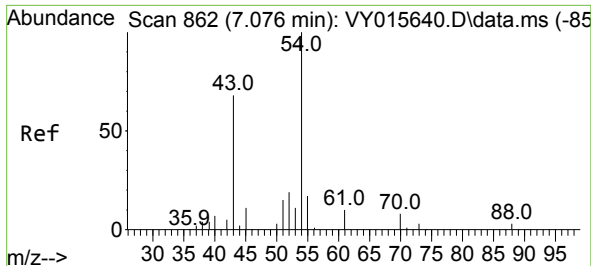
Tgt Ion:113 Resp: 141790
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion: 75 Resp: 19442
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.162 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.073 min

Lab File: VY015834.D

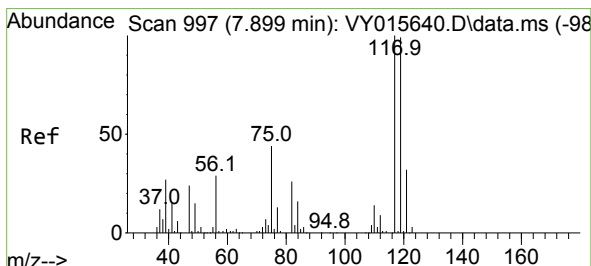
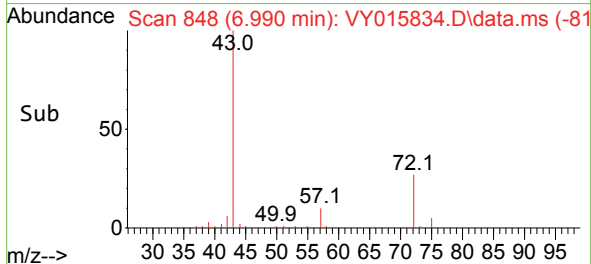
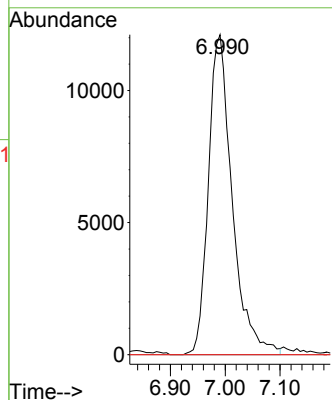
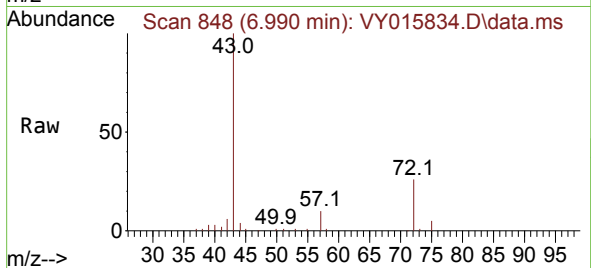
Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43	Resp: 36485
Ion Ratio	Lower Upper
43 100	
61 0.0	10.1 15.1#
70 0.0	7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.879 ug/l

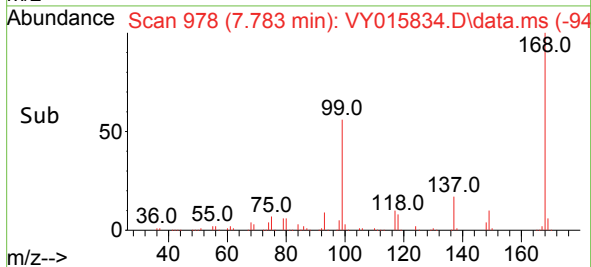
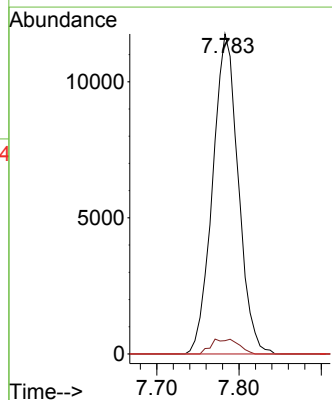
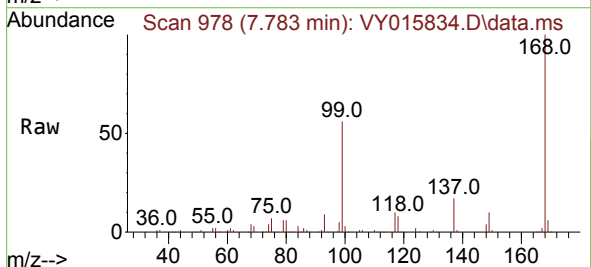
RT: 7.783 min Scan# 978

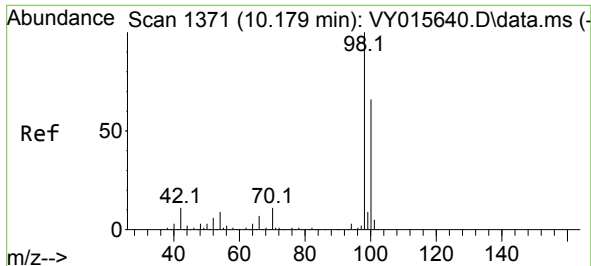
Delta R.T. -0.110 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

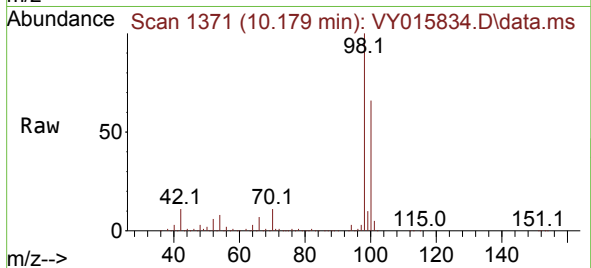
Tgt Ion: 117	Resp: 25477
Ion Ratio	Lower Upper
117 100	
119 4.2	76.4 114.6#
121 0.0	25.8 38.6#



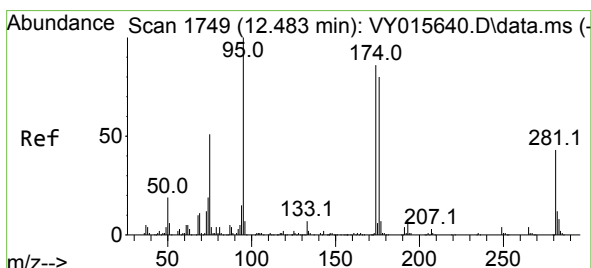
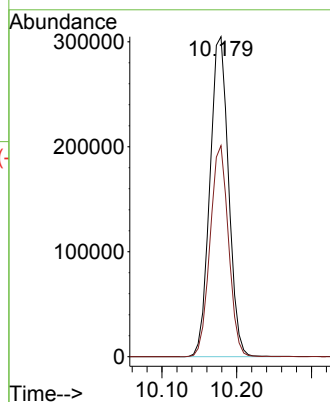
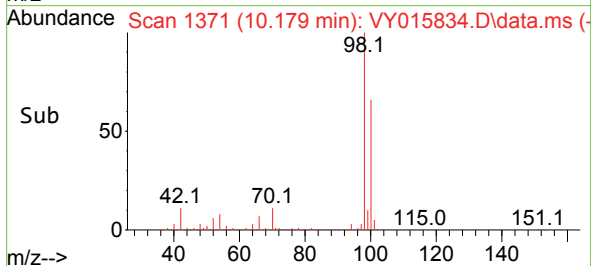


#50
Toluene-d8
Concen: 57.658 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

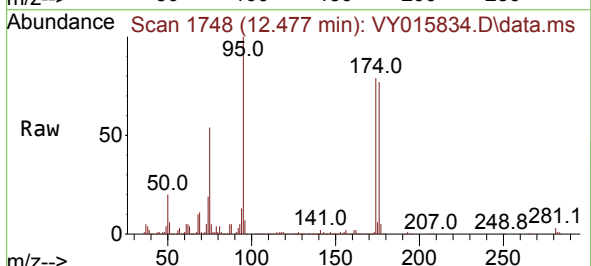
Instrument :
MSVOA_Y
ClientSampleId :



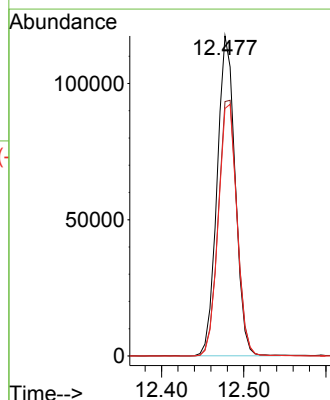
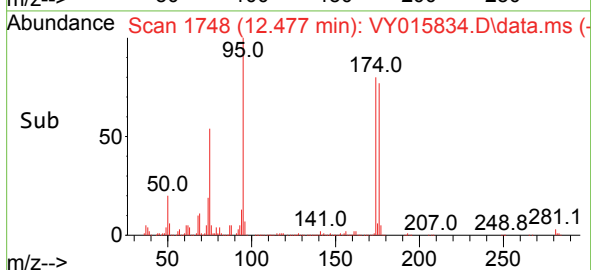
Tgt Ion: 98 Resp: 527890
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

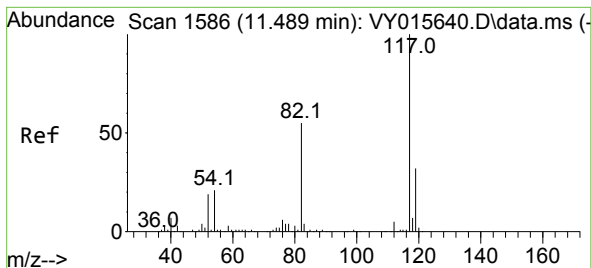


#62
4-Bromofluorobenzene
Concen: 49.943 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48



Tgt Ion: 95 Resp: 179441
Ion Ratio Lower Upper
95 100
174 83.2 0.0 178.2
176 81.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

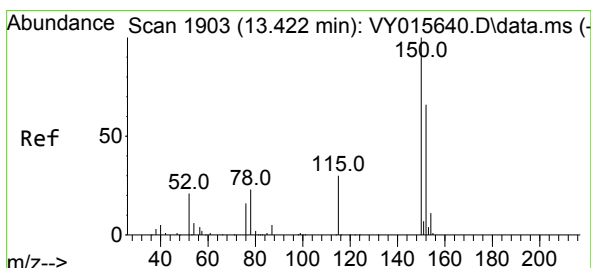
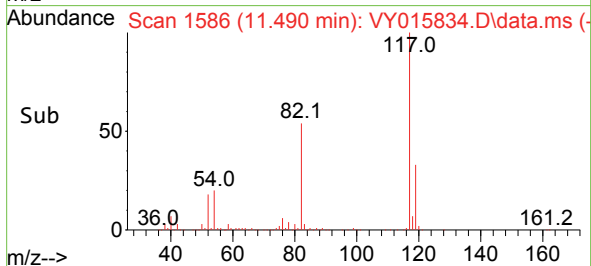
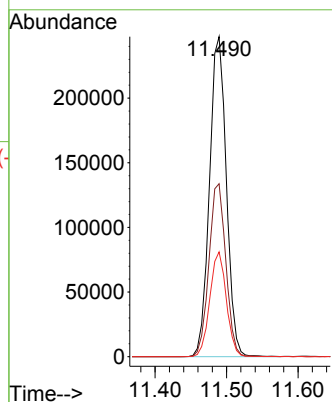
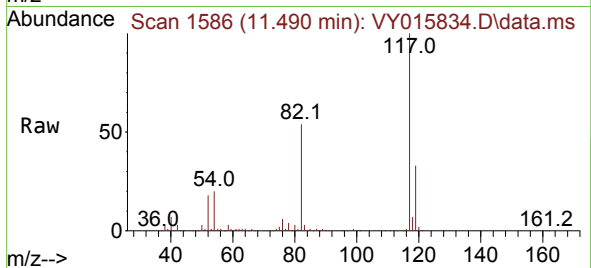
Tgt Ion:117 Resp: 404991

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

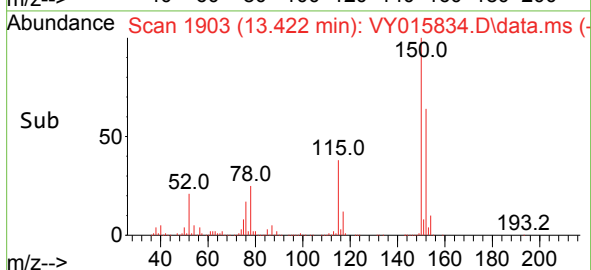
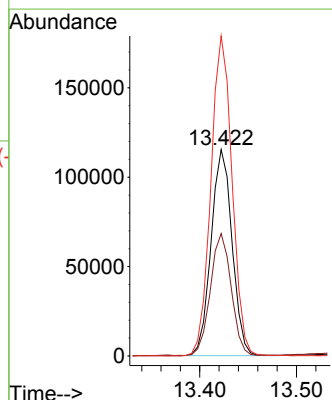
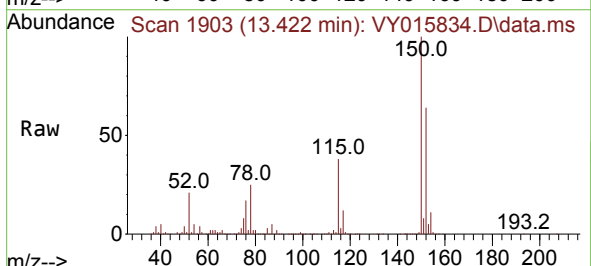
Tgt Ion:152 Resp: 174077

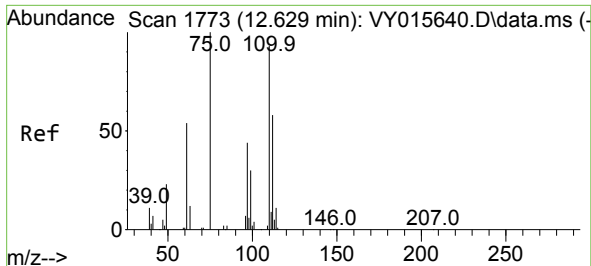
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.6 0.0 348.8

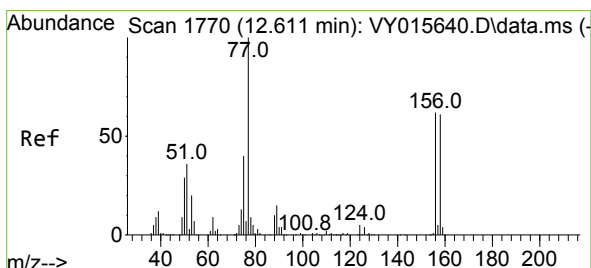
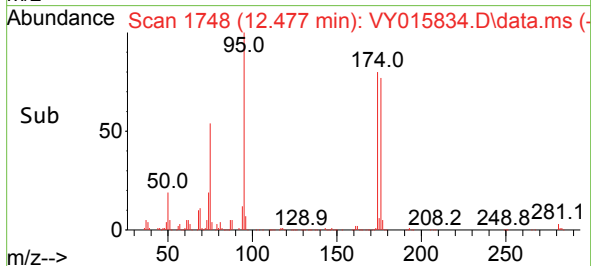
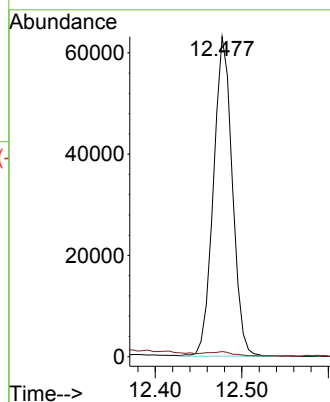
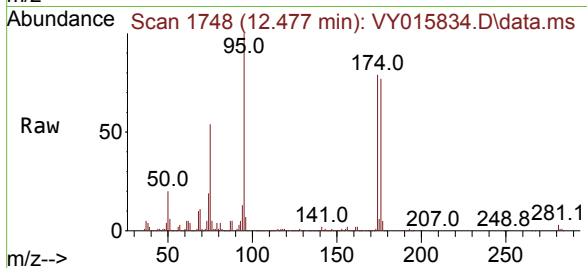




#76
1,2,3-Trichloropropane
Concen: 34.383 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

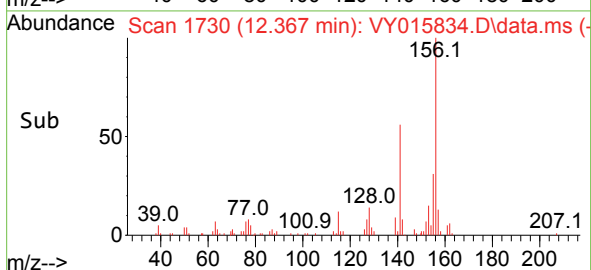
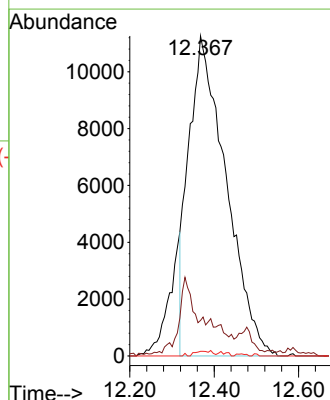
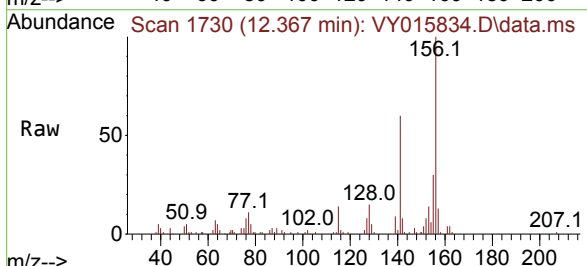
Instrument :
MSVOA_Y
ClientSampleId :

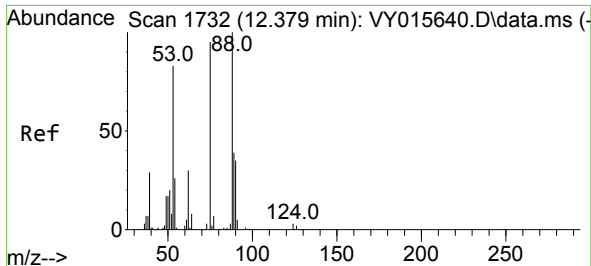
Tgt Ion: 75 Resp: 95484
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 21.578 ug/l
RT: 12.367 min Scan# 1730
Delta R.T. -0.238 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion: 156 Resp: 69167
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.0 48.4 145.3#

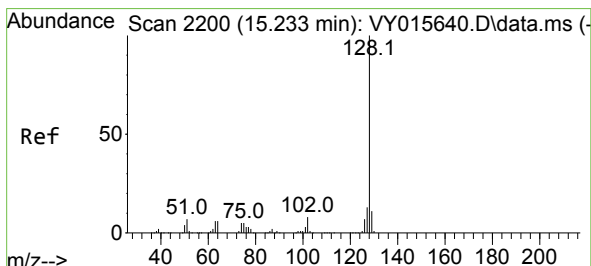
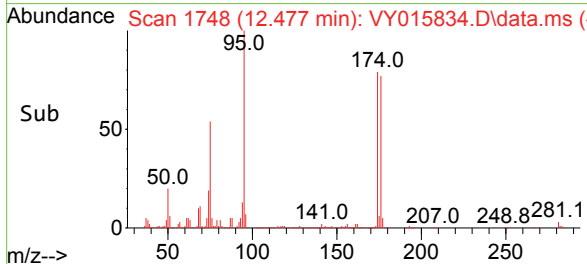
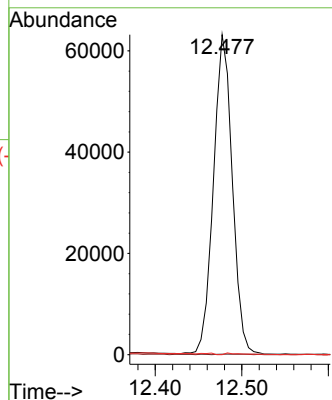
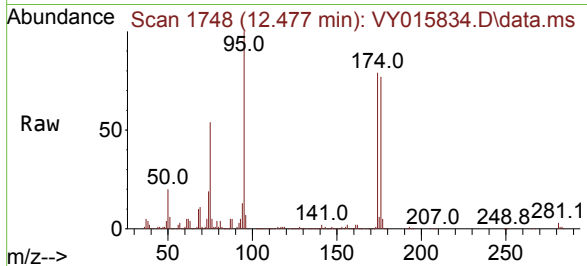




#81
trans-1,4-Dichloro-2-butene
Concen: 77.547 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 95633
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.5 37.4 56.0#



#95
Naphthalene
Concen: 4.003 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion:128 Resp: 38572
Ion Ratio Lower Upper
128 100
127 15.7 10.8 16.2
129 13.5 8.6 13.0#

