

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015873.D
 Acq On : 06 Oct 2023 19:32
 Operator : SY/MD
 Sample : 04778-07
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:32:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

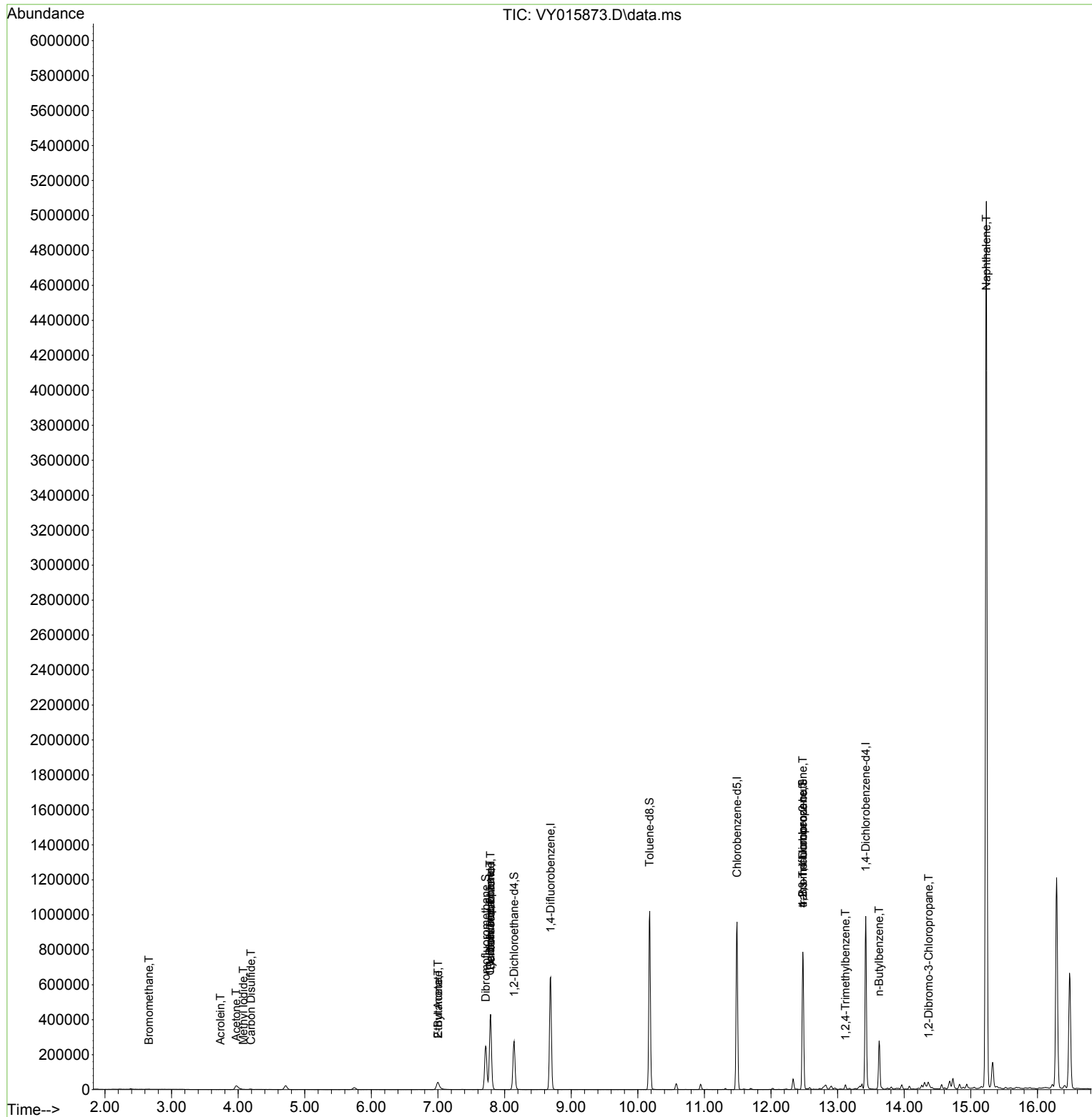
Internal Standards						
1) Pentafluorobenzene	7.789	168	327245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	566744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	525206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	253742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	213520	66.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.640%			
35) Dibromofluoromethane	7.716	113	180619	55.911	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.820%			
50) Toluene-d8	10.179	98	667940	63.684	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 127.360%			
62) 4-Bromofluorobenzene	12.477	95	237695	55.444	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.880%			
Target Compounds						Qvalue
5) Bromomethane	2.662	94	296	1.036	ug/l #	78
10) Methyl Iodide	4.076	142	44	3.115	ug/l #	38
11) Tert butyl alcohol	4.966	59	75	Below Cal	#	89
13) Acrolein	3.735	56	575	2.315	ug/l	84
16) Acetone	3.972	43	55658	33.368	ug/l	91
17) Carbon Disulfide	4.192	76	6049	4.658	ug/l	100
20) Methylene Chloride	4.710	84	17075	Below Cal		87
25) 2-Butanone	7.002	43	19917	8.681	ug/l	99
31) Cyclohexane	7.783	56	6573	1.811	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	24724	6.415	ug/l #	51
37) Ethyl Acetate	7.002	43	19917	4.618	ug/l #	86
38) Carbon Tetrachloride	7.789	117	32418	7.154	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	125463	33.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	125463	77.320	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	13854	1.007	ug/l	99
89) n-Butylbenzene	13.623	91	22213	1.526	ug/l #	45
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1010	1.037	ug/l #	3
95) Naphthalene	15.233	128	4088478	307.239	ug/l	99

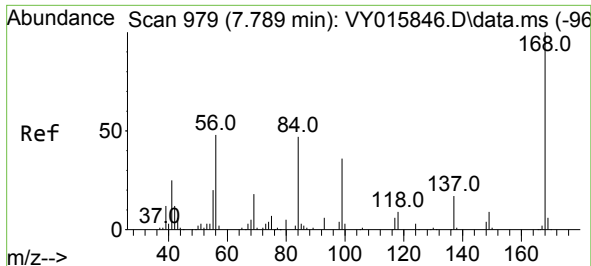
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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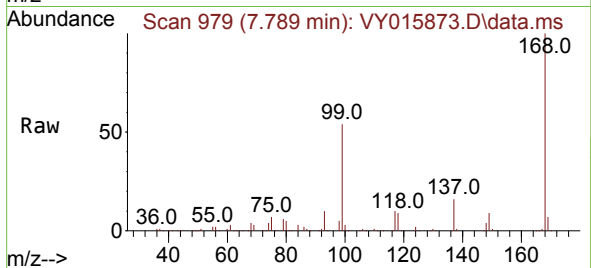
Quant Time: Oct 07 07:32:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 2023
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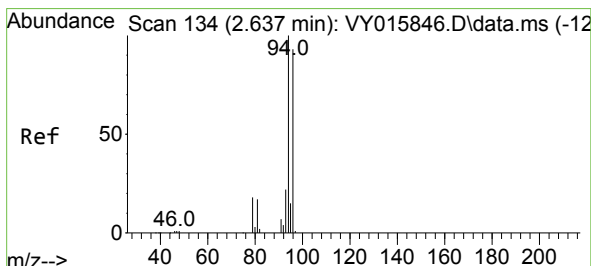
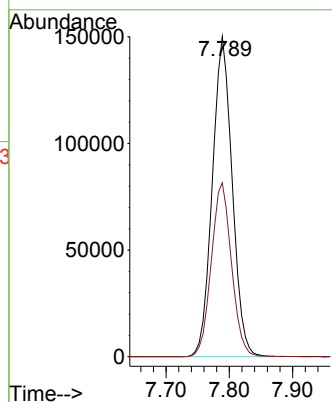
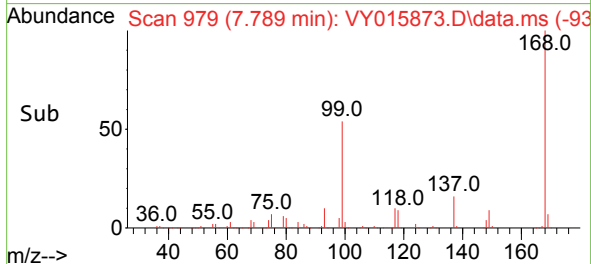


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_Y
ClientSampleId :

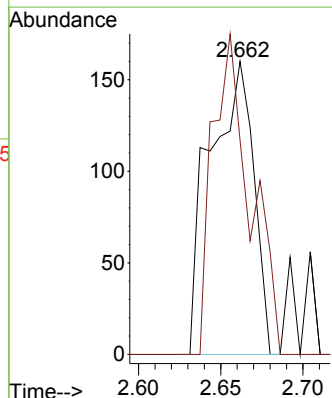
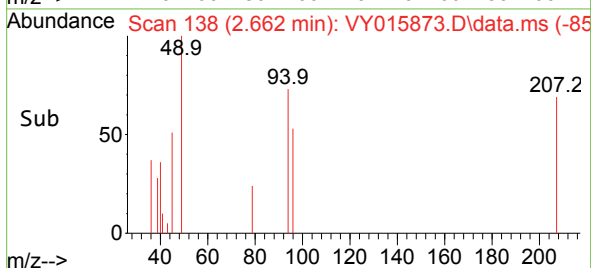
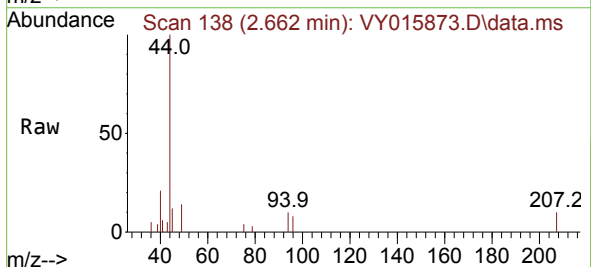


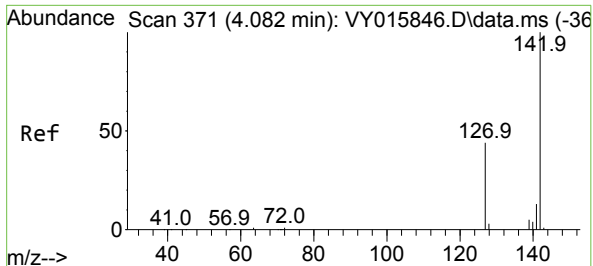
Tgt Ion:168 Resp: 327245
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#5
Bromomethane
Concen: 1.036 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

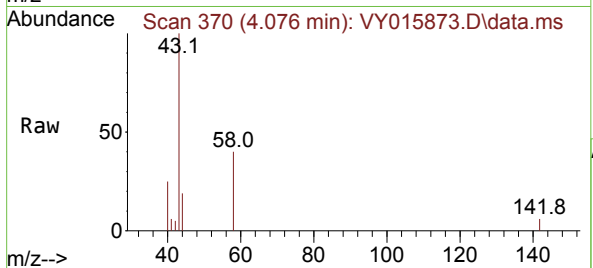
Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 73.1 75.8 113.6#



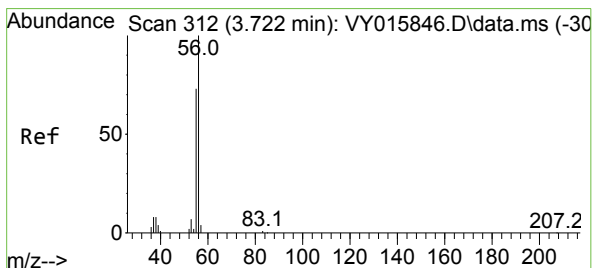
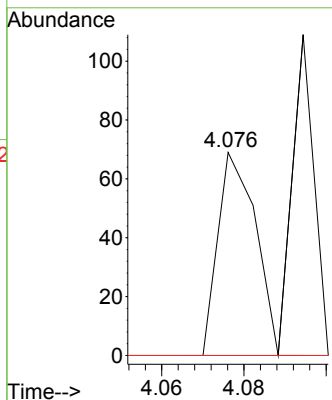
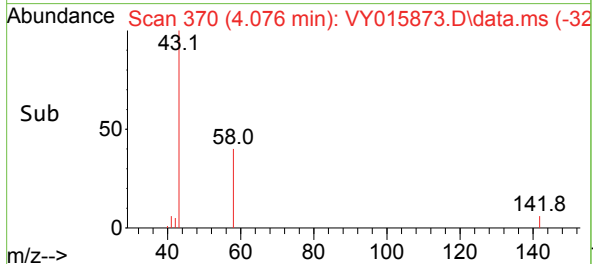


#10
Methyl Iodide
Concen: 3.115 ug/l
RT: 4.076 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_Y
ClientSampleId :

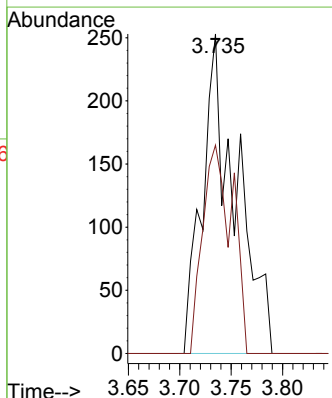
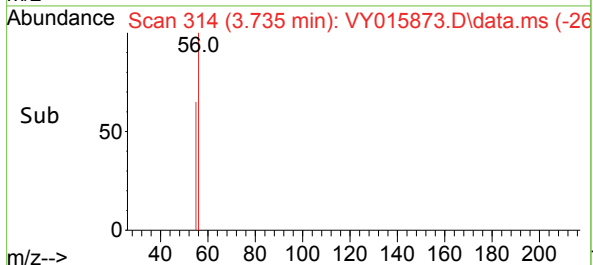
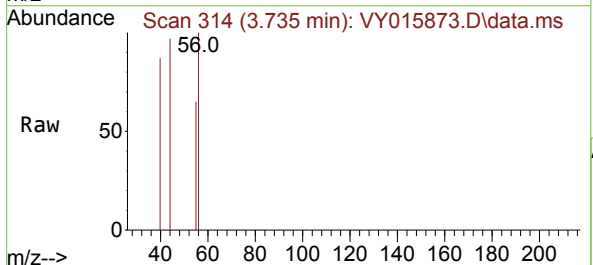


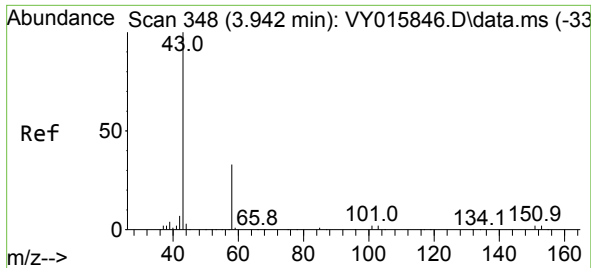
Tgt Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 2.315 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 56 Resp: 575
Ion Ratio Lower Upper
56 100
55 57.7 57.0 85.4

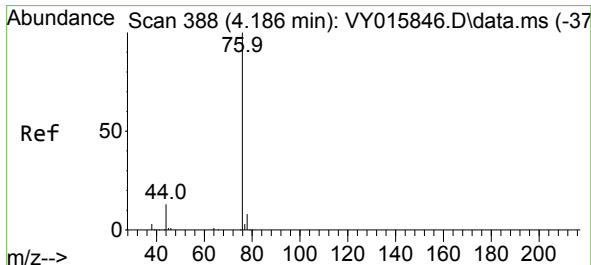
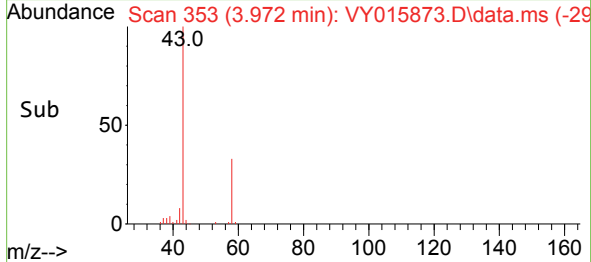
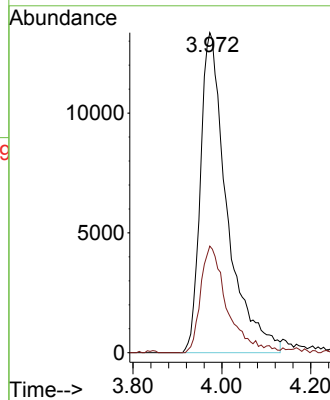
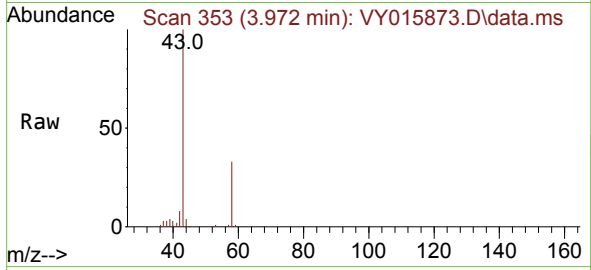




#16
Acetone
Concen: 33.368 ug/l
RT: 3.972 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

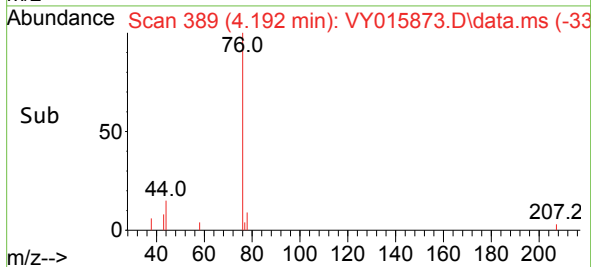
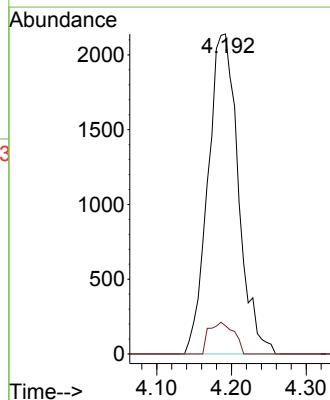
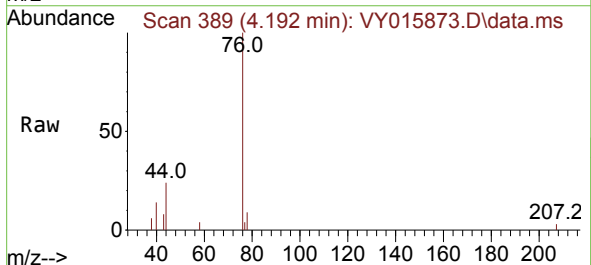
Instrument :
MSVOA_Y
ClientSampleId :

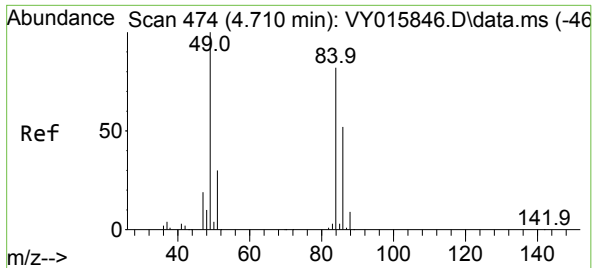
Tgt Ion: 43 Resp: 55658
Ion Ratio Lower Upper
43 100
58 33.3 22.7 34.1



#17
Carbon Disulfide
Concen: 4.658 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

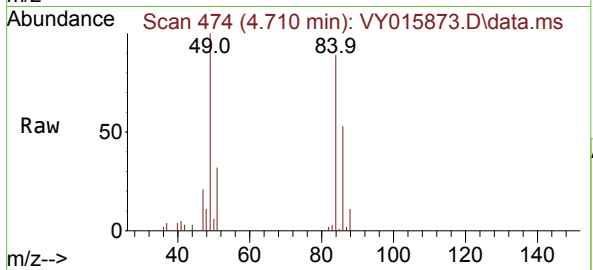
Tgt Ion: 76 Resp: 6049
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



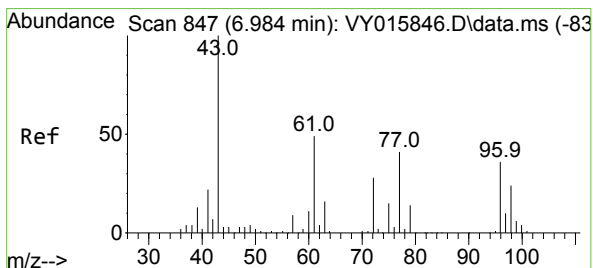
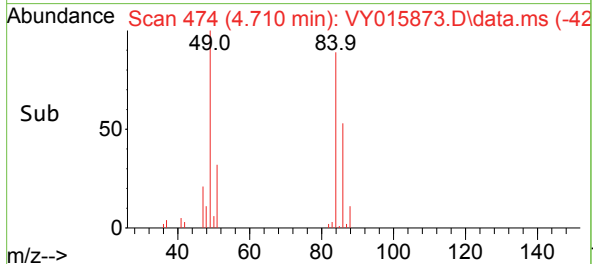
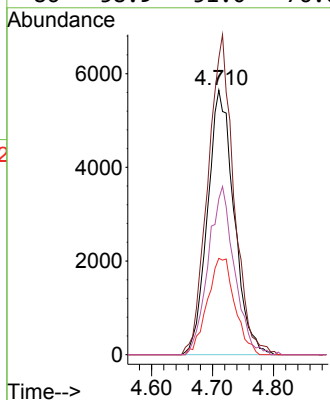


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_Y
ClientSampleId :

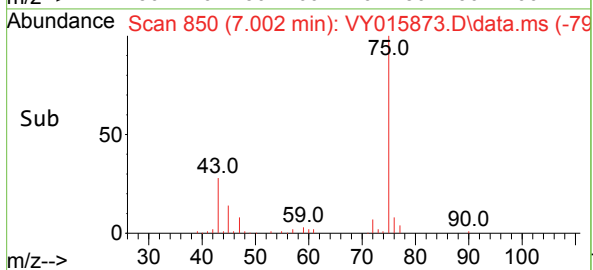
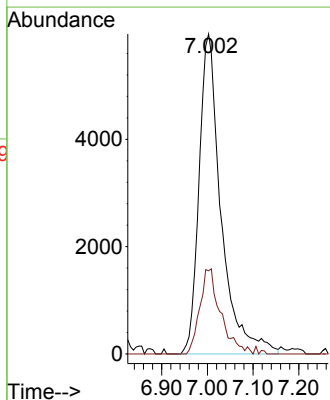
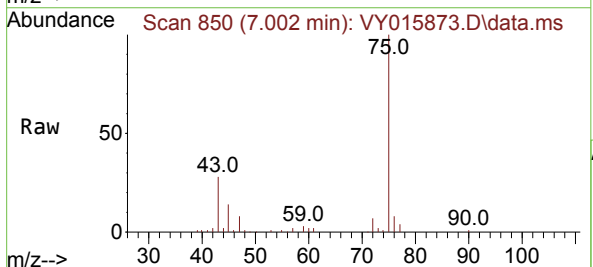


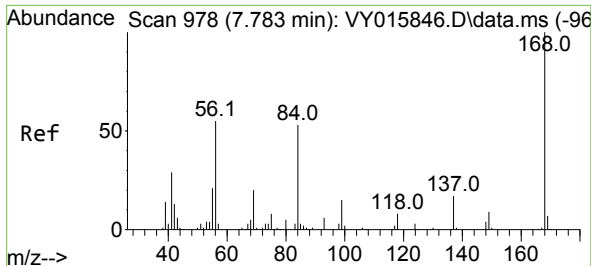
Tgt Ion:	84	Resp:	17075
Ion	Ratio	Lower	Upper
84	100		
49	112.2	106.9	160.3
51	36.4	33.2	49.8
86	58.9	51.0	76.6



#25
2-Butanone
Concen: 8.681 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

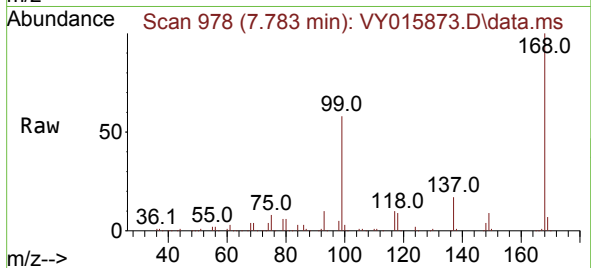
Tgt Ion:	43	Resp:	19917
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.5	30.7



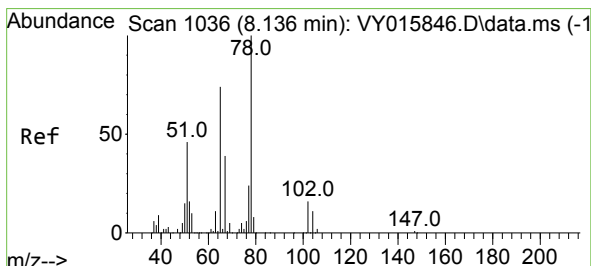
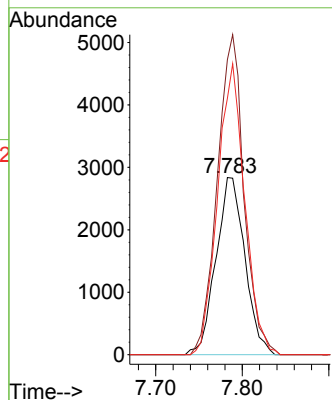
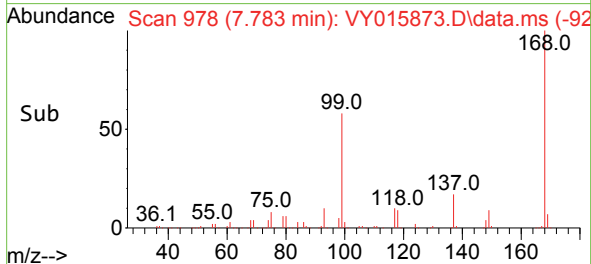


#31
Cyclohexane
Concen: 1.811 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_Y
ClientSampleId :

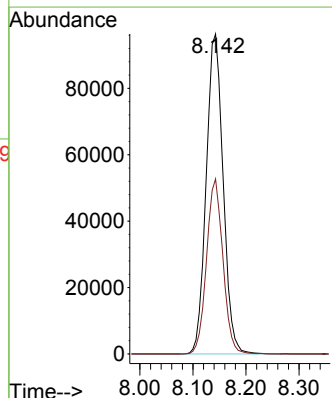
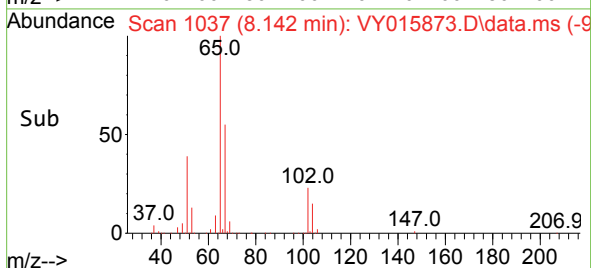
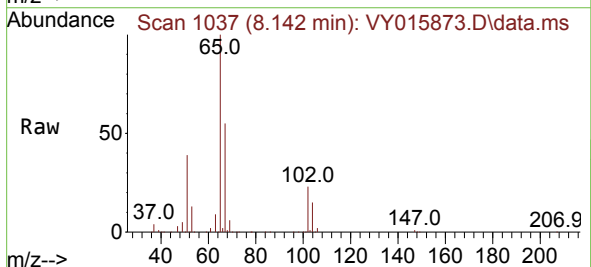


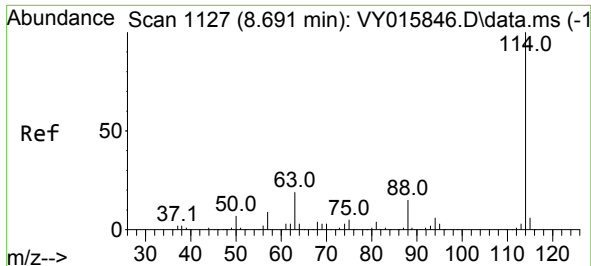
Tgt Ion: 56 Resp: 6573
Ion Ratio Lower Upper
56 100
69 166.6 27.8 41.6#
84 144.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 66.320 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 65 Resp: 213520
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8

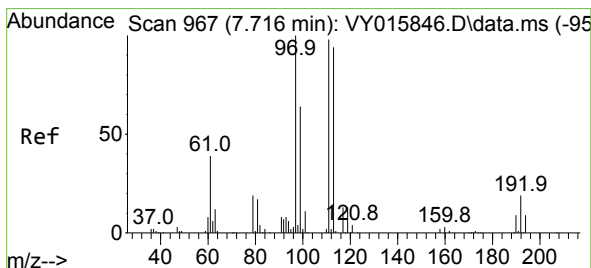
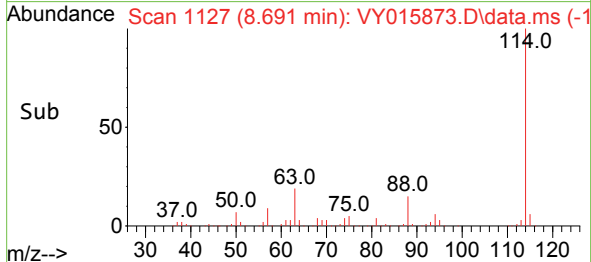
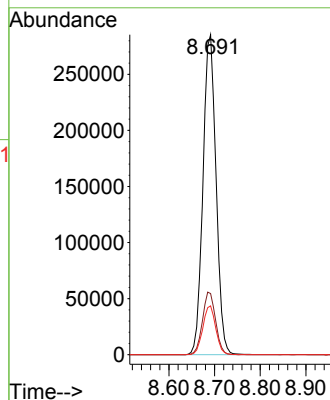
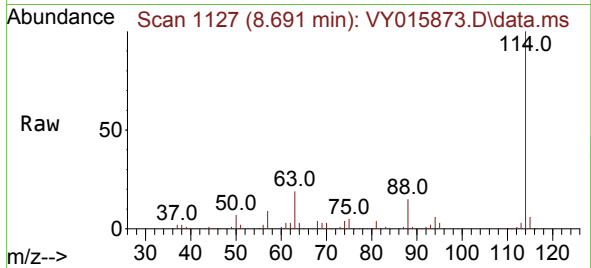




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

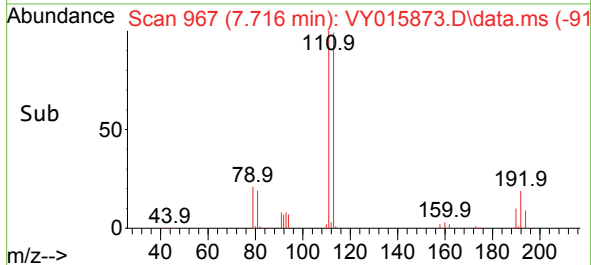
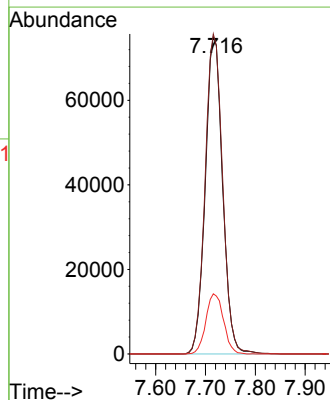
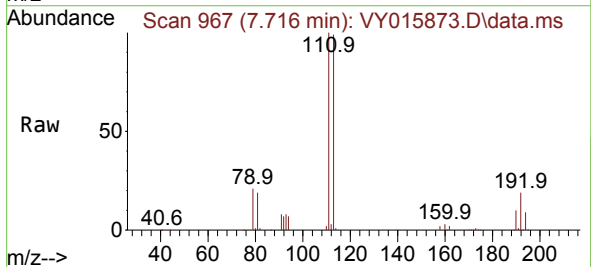
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MSVOA_Y
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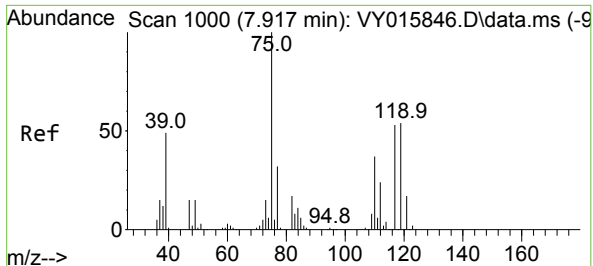
Tgt Ion:114 Resp: 566744
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.911 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Tgt Ion:113 Resp: 180619
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.3 16.9 25.3

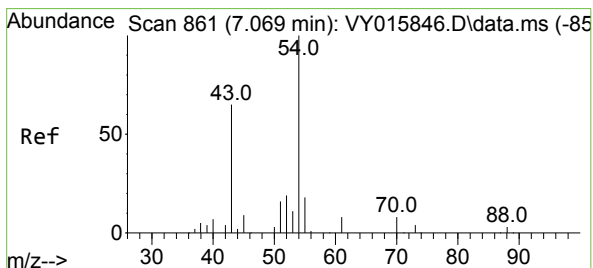
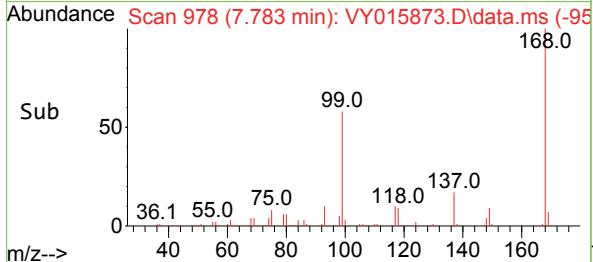
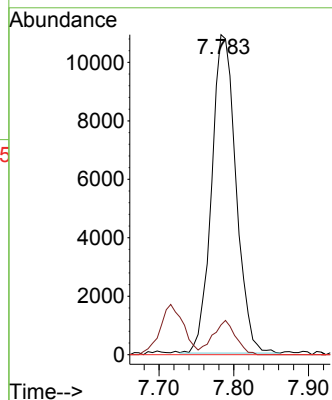
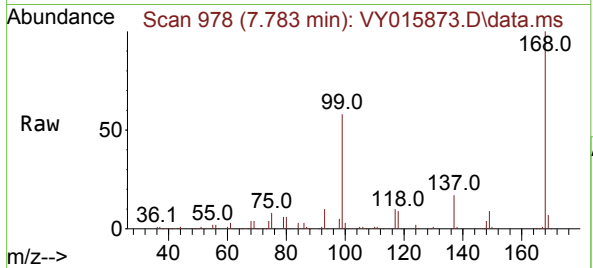




#36
1,1-Dichloropropene
Concen: 6.415 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

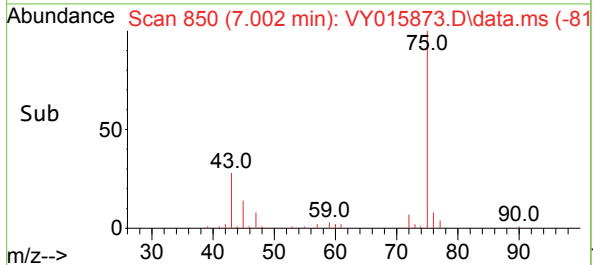
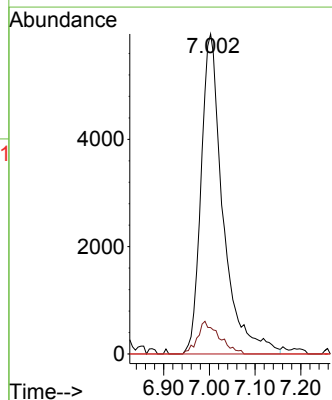
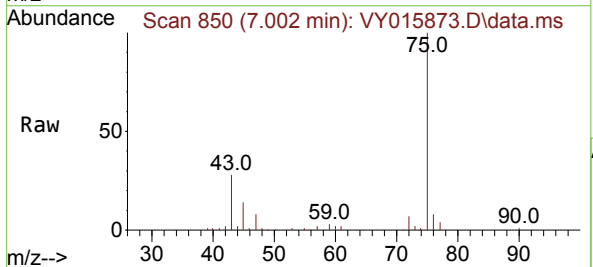
Instrument :
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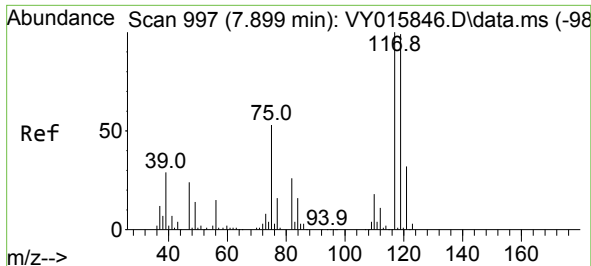
Tgt Ion: 75 Resp: 24724
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.618 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.067 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

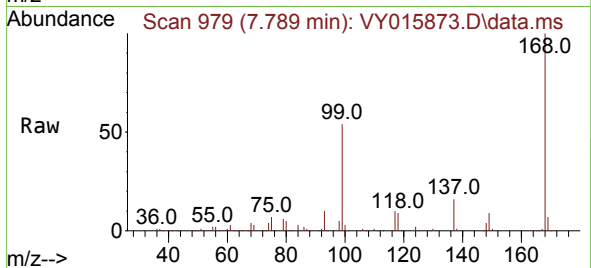
Tgt Ion: 43 Resp: 19917
Ion Ratio Lower Upper
43 100
61 10.1 10.1 15.1
70 0.0 7.1 10.7#



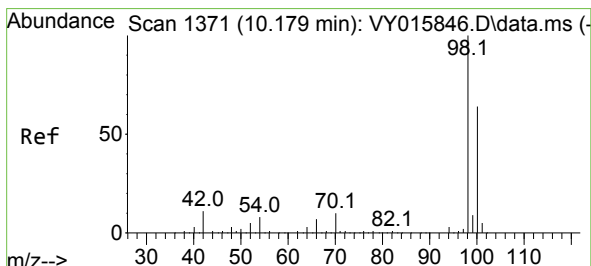
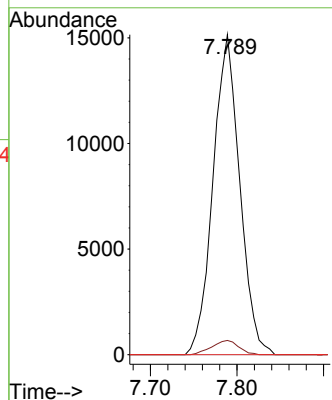
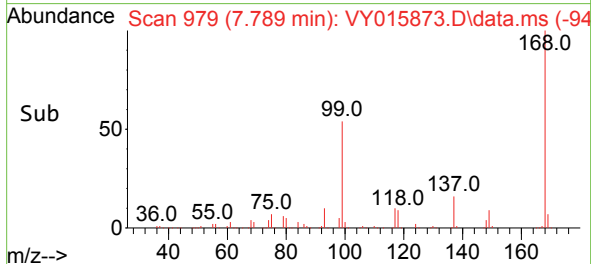


#38
Carbon Tetrachloride
Concen: 7.154 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_Y
ClientSampleId :

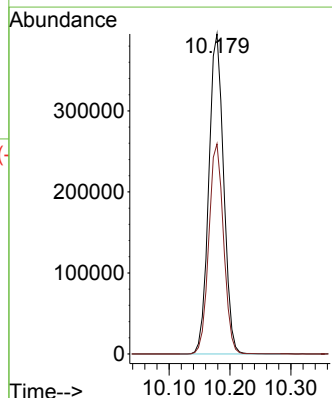
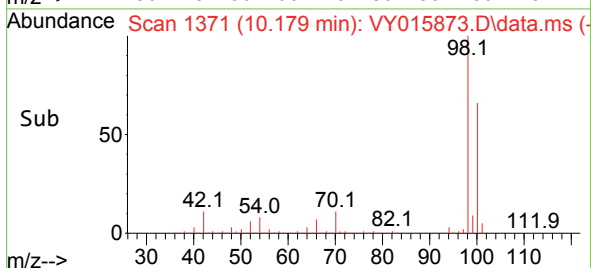
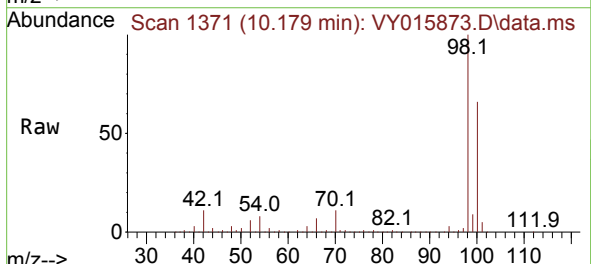


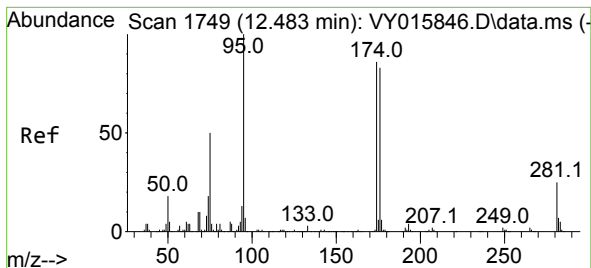
Tgt Ion:117 Resp: 32418
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 63.684 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

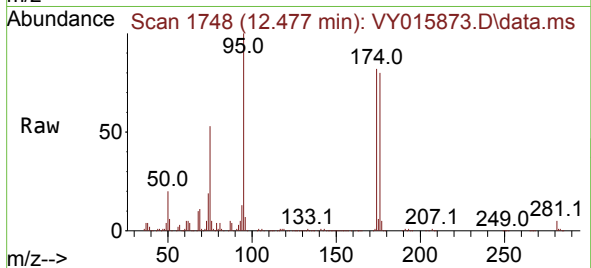
Tgt Ion: 98 Resp: 667940
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



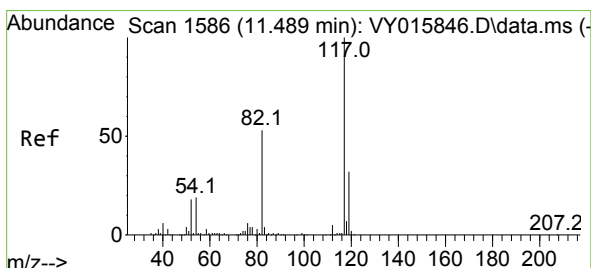
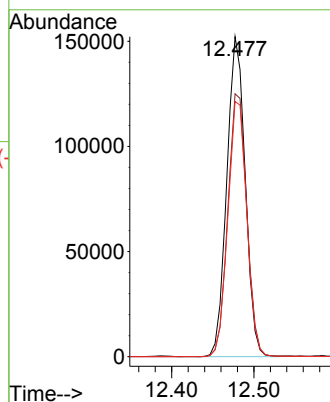
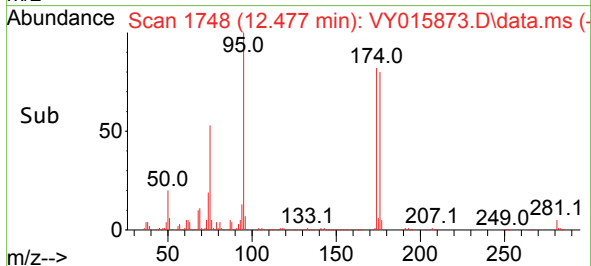


#62
4-Bromofluorobenzene
Concen: 55.444 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_Y
ClientSampleId :

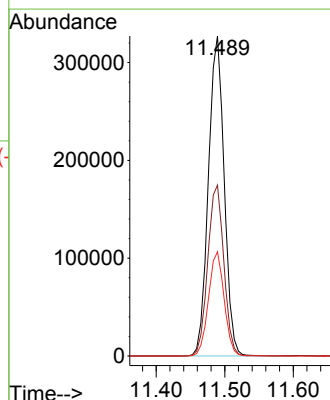
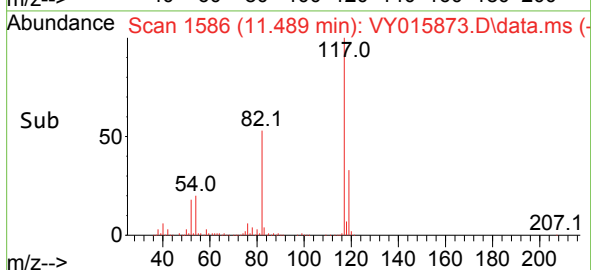
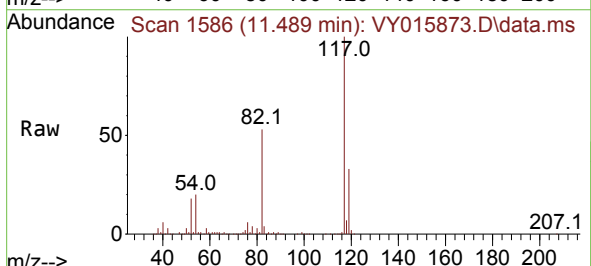


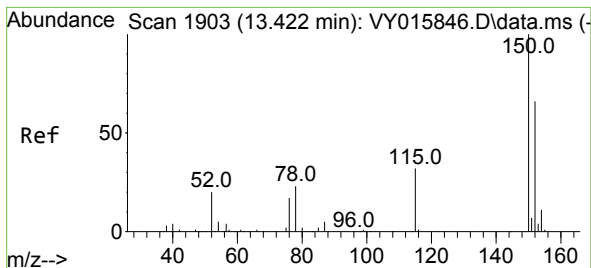
Tgt Ion: 95 Resp: 237695
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 117 Resp: 525206
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.6 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: VY015873.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_Y

ClientSampleId :

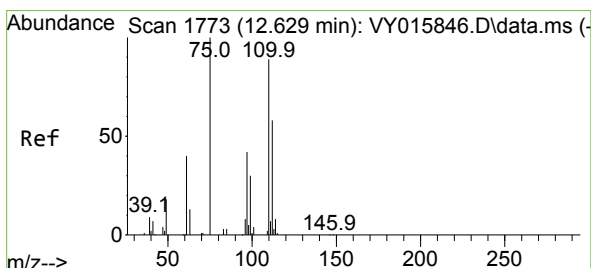
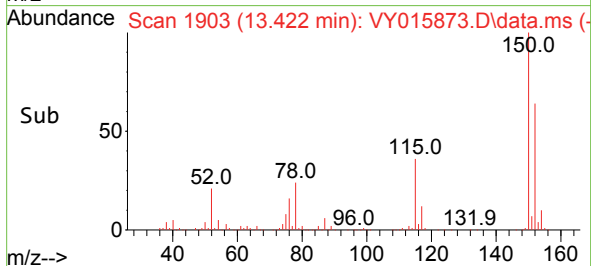
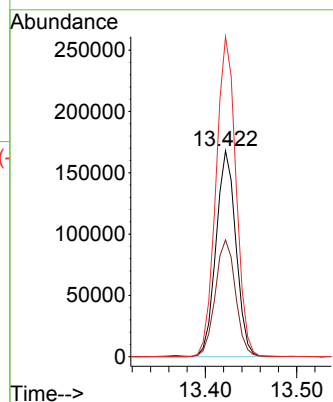
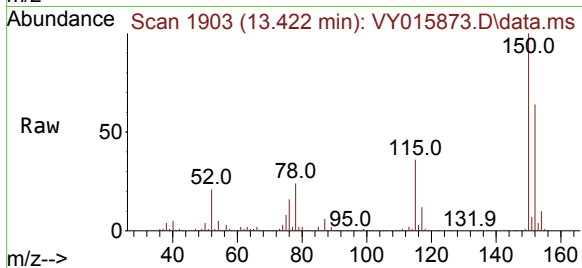
Tgt Ion:152 Resp: 253742

Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.401 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015873.D

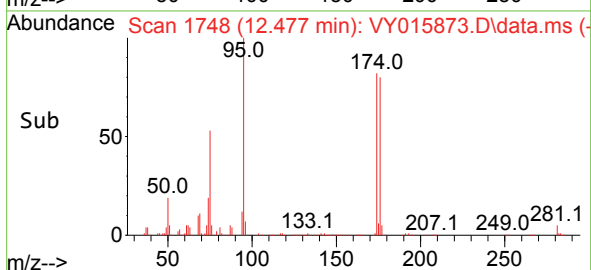
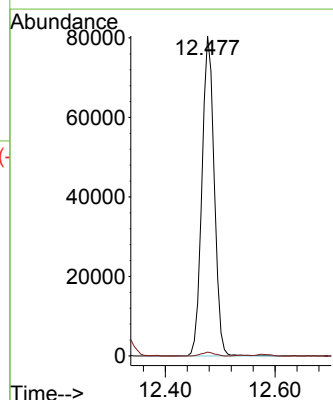
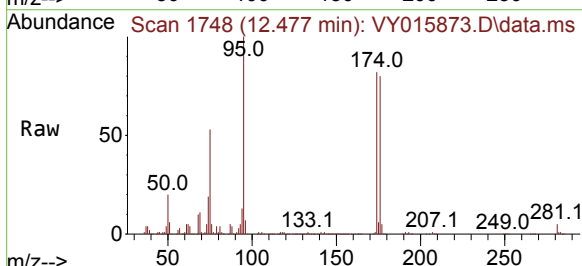
Acq: 06 Oct 2023 19:32

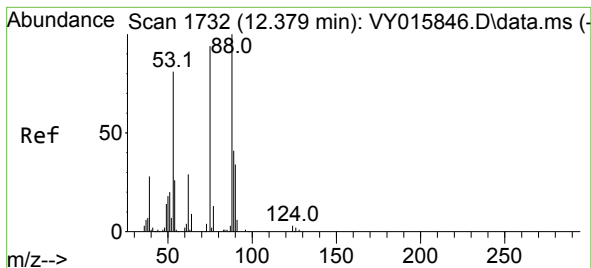
Tgt Ion: 75 Resp: 125463

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

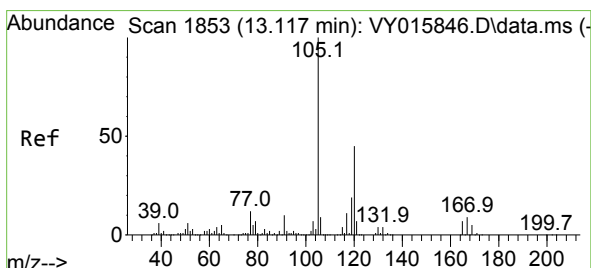
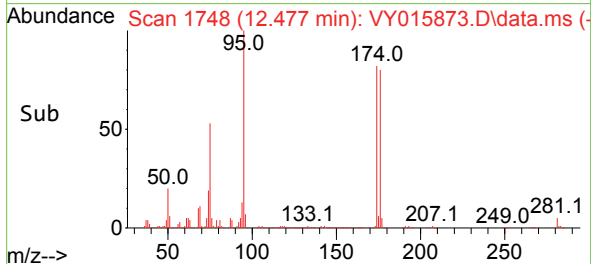
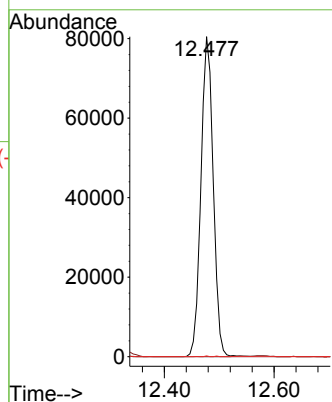
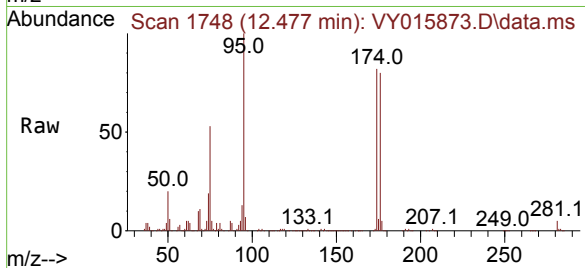




#81
trans-1,4-Dichloro-2-butene
Concen: 77.320 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

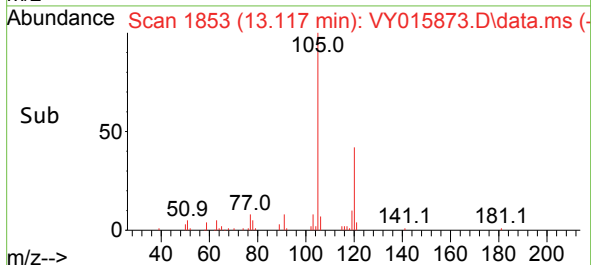
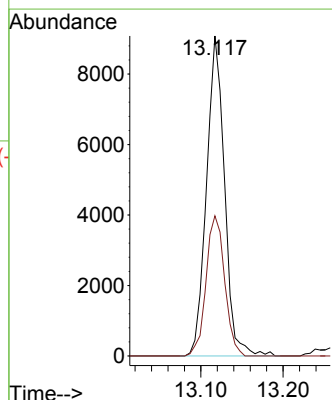
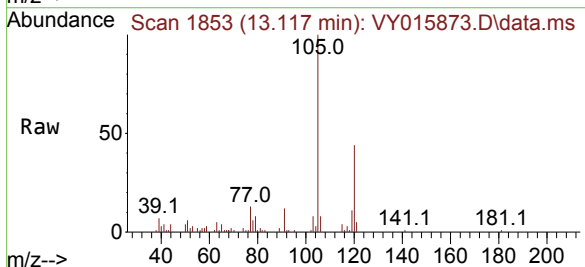
Instrument :
MSVOA_Y
ClientSampleId :

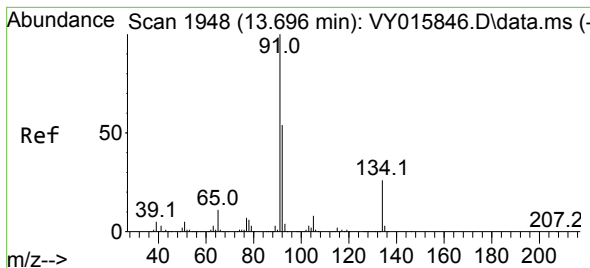
Tgt Ion: 75 Resp: 125463
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.007 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015873.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 105 Resp: 13854
Ion Ratio Lower Upper
105 100
120 45.1 22.2 66.6





#89

n-Butylbenzene

Concen: 1.526 ug/l

RT: 13.623 min Scan# 1948

Delta R.T. -0.073 min

Lab File: VY015873.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_Y

ClientSampleId :

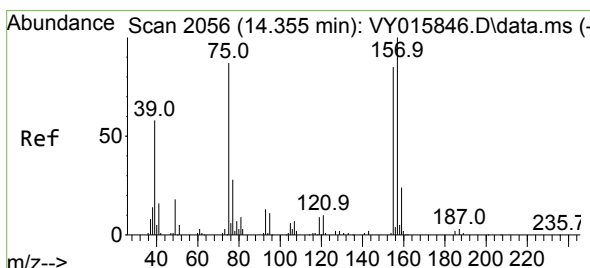
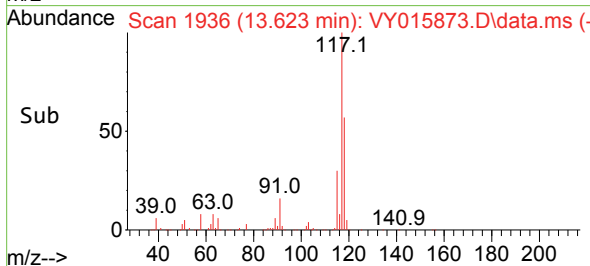
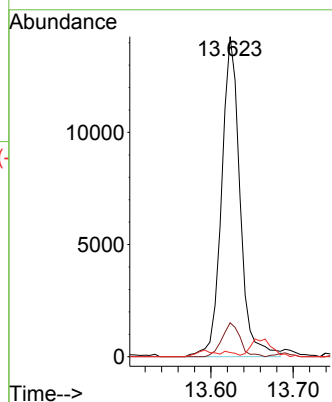
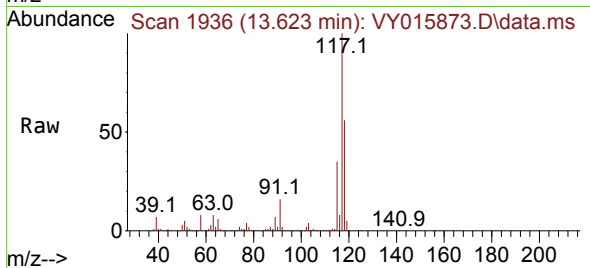
Tgt Ion: 91 Resp: 22213

Ion Ratio Lower Upper

91 100

92 10.4 25.4 76.0#

134 1.1 12.6 37.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.037 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. 0.012 min

Lab File: VY015873.D

Acq: 06 Oct 2023 19:32

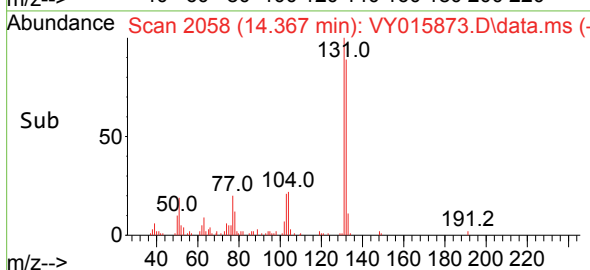
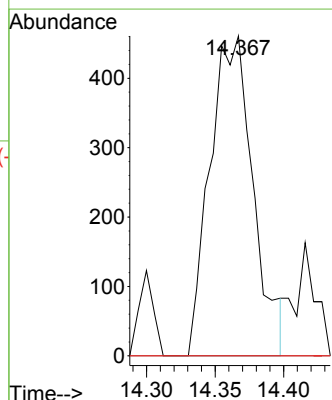
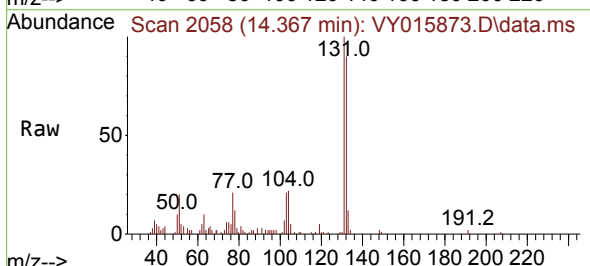
Tgt Ion: 75 Resp: 1010

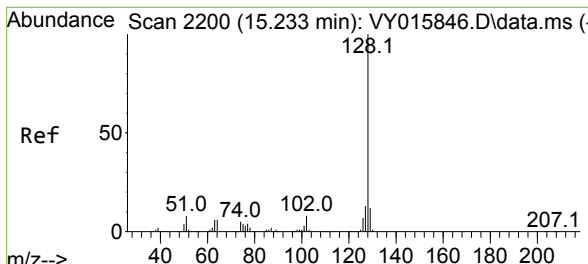
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

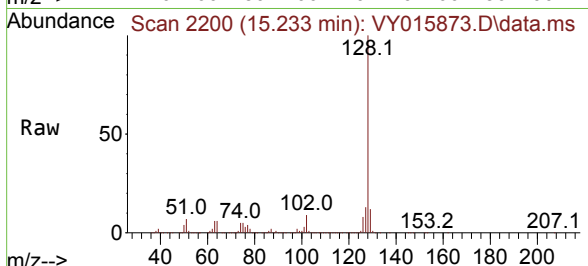
157 0.0 51.8 155.5#





#95
 Naphthalene
 Concen: 307.239 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015873.D
 Acq: 06 Oct 2023 19:32

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 4088478

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.2	8.6	13.0

