

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015870.D
 Acq On : 06 Oct 2023 18:21
 Operator : SY/MD
 Sample : 04767-03
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

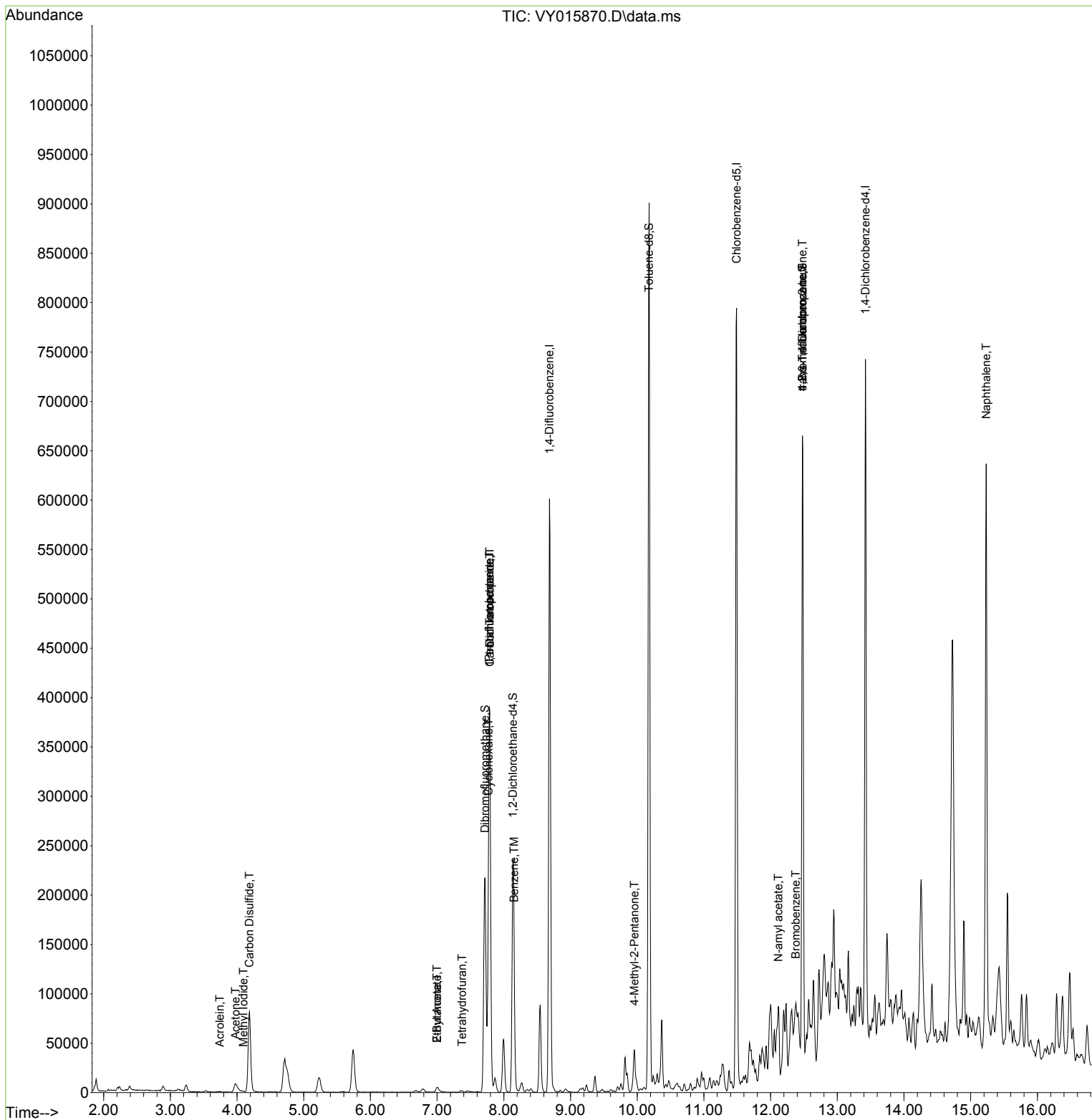
Quant Time: Oct 07 07:31:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

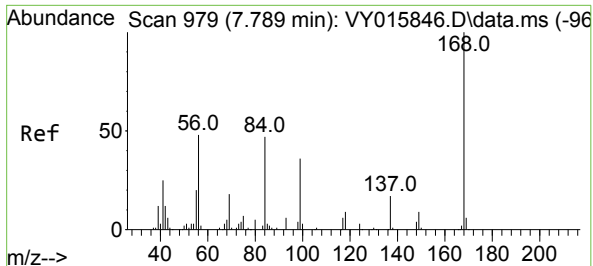
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	302636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	515720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	443970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	185530	62.312	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.620%	
35) Dibromofluoromethane	7.716	113	156607	53.275	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.540%	
50) Toluene-d8	10.179	98	598695	62.729	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 125.460%	
62) 4-Bromofluorobenzene	12.477	95	187932	48.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.340%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	68	3.126	ug/l #	38
11) Tert butyl alcohol	4.991	59	92	Below Cal	#	89
13) Acrolein	3.741	56	647	2.817	ug/l	85
16) Acetone	3.979	43	23456	15.206	ug/l	94
17) Carbon Disulfide	4.186	76	166638	52.281	ug/l	100
25) 2-Butanone	6.996	43	7176	3.382	ug/l	96
29) Tetrahydrofuran	7.374	42	1205	1.018	ug/l #	81
31) Cyclohexane	7.771	56	12596	3.753	ug/l #	70
36) 1,1-Dichloropropene	7.789	75	22714	6.477	ug/l #	50
37) Ethyl Acetate	6.996	43	7176	1.828	ug/l #	71
38) Carbon Tetrachloride	7.789	117	30008	7.277	ug/l #	15
40) Benzene	8.155	78	12618	1.147	ug/l	94
51) 4-Methyl-2-Pentanone	9.959	43	19270	4.560	ug/l #	43
74) N-amyl acetate	12.117	43	23320	5.343	ug/l #	46
76) 1,2,3-Trichloropropane	12.477	75	96667	37.451	ug/l #	100
77) Bromobenzene	12.379	156	12110	4.334	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	96667	86.695	ug/l #	11
95) Naphthalene	15.233	128	467524	51.128	ug/l	99

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

Quant Time: Oct 07 07:31:01 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

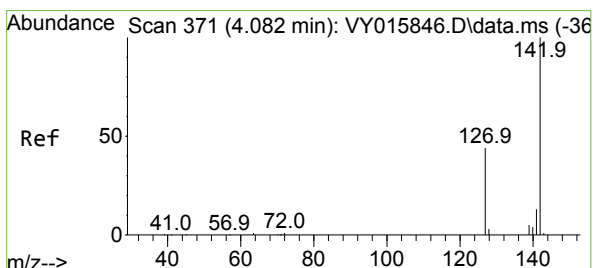
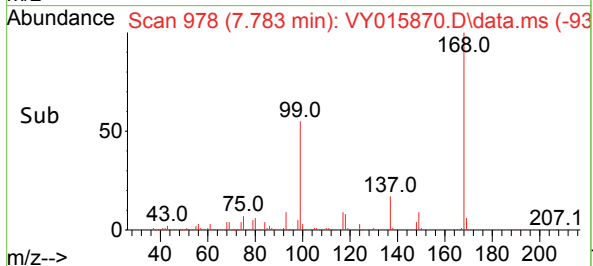
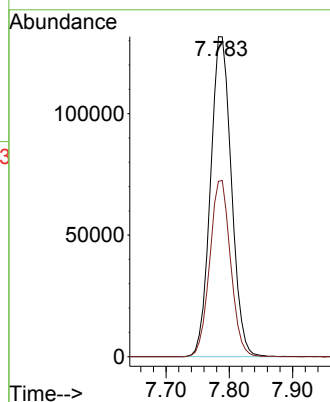
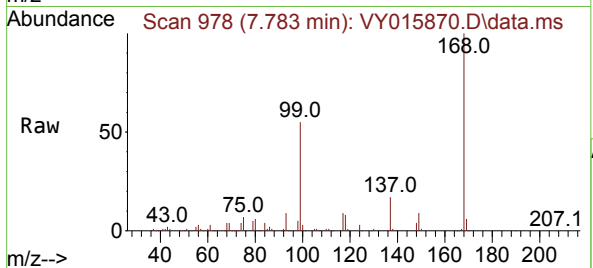




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

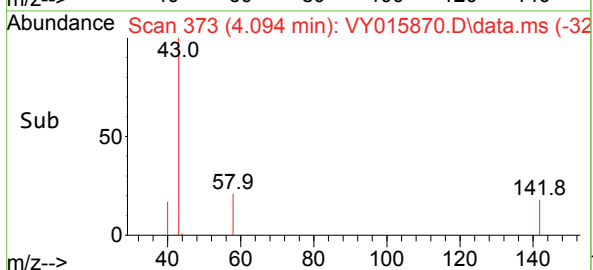
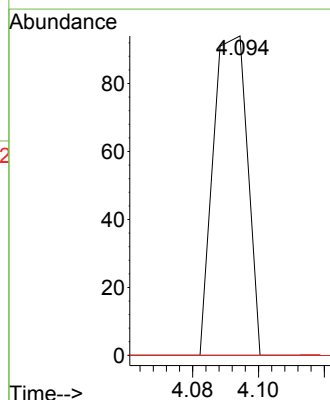
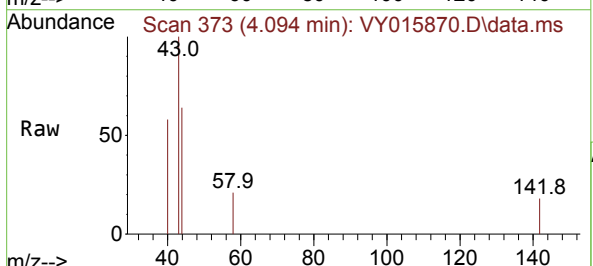
Instrument :
MSVOA_Y
ClientSampleId :

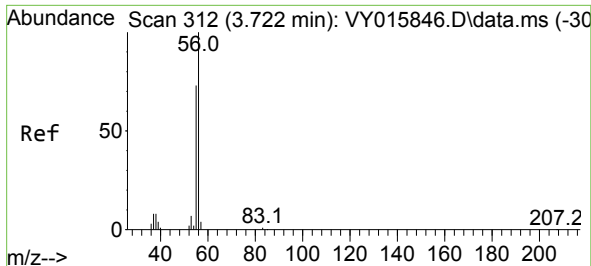
Tgt Ion:168 Resp: 302636
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#10
Methyl Iodide
Concen: 3.126 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

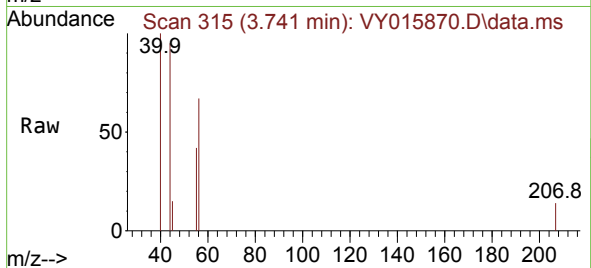
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



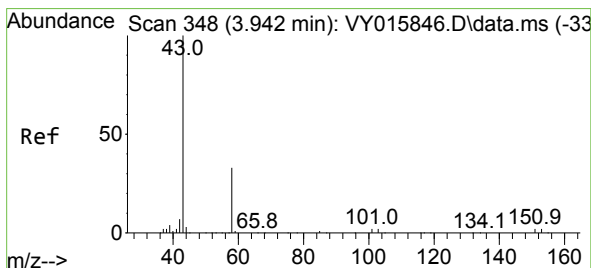
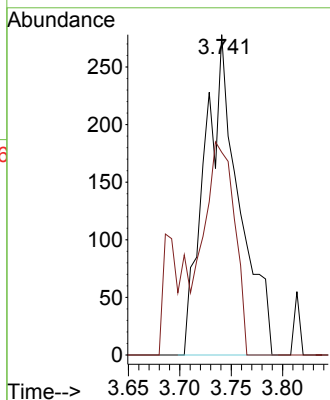
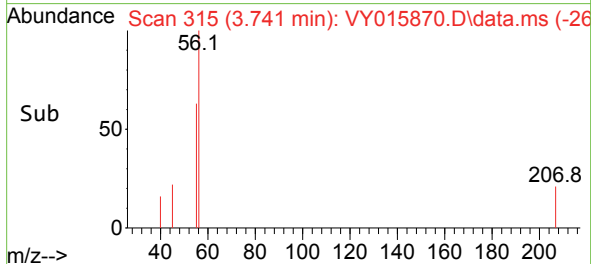


#13
Acrolein
Concen: 2.817 ug/l
RT: 3.741 min Scan# 312
Delta R.T. 0.018 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

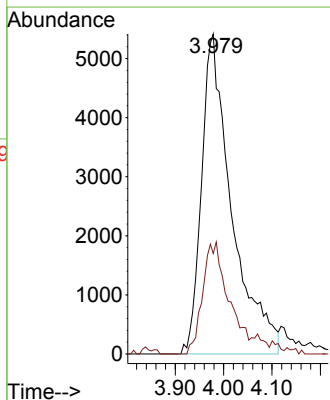
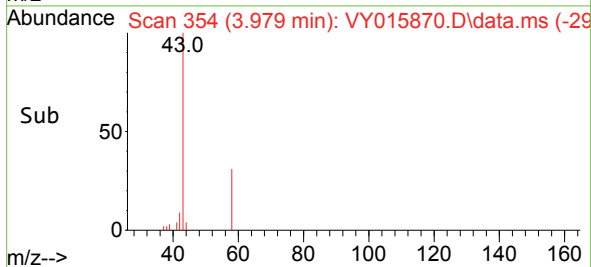
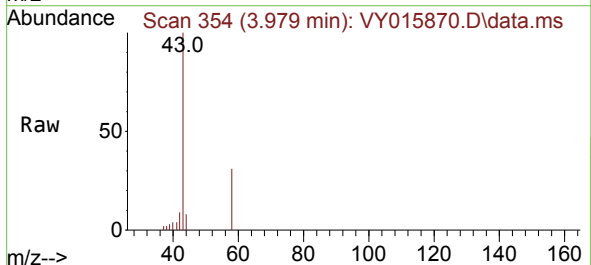


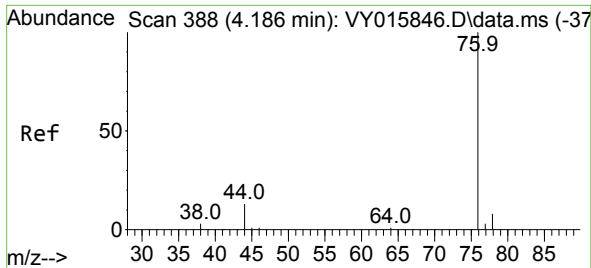
Tgt Ion: 56 Resp: 647
Ion Ratio Lower Upper
56 100
55 58.9 57.0 85.4



#16
Acetone
Concen: 15.206 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

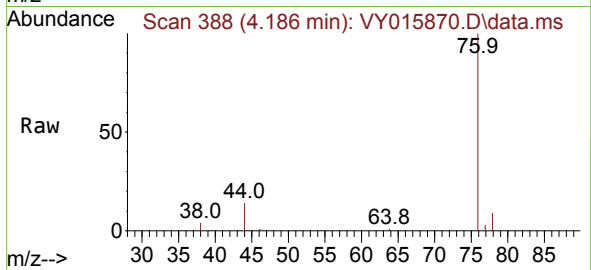
Tgt Ion: 43 Resp: 23456
Ion Ratio Lower Upper
43 100
58 31.4 22.7 34.1



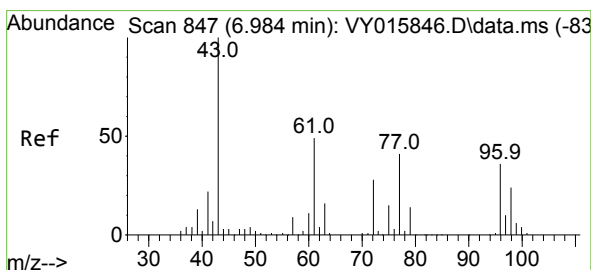
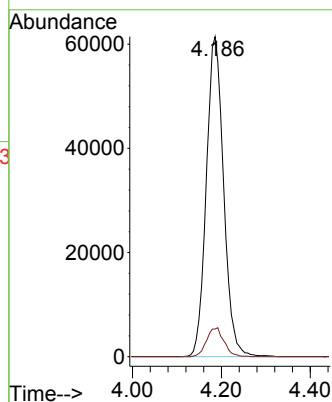
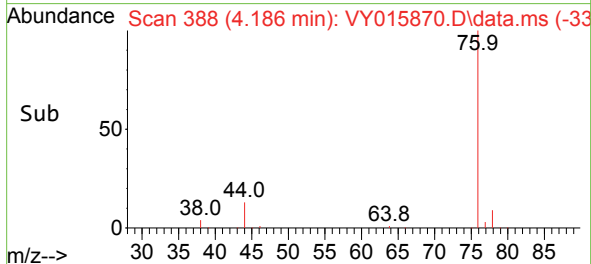


#17
Carbon Disulfide
Concen: 52.281 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

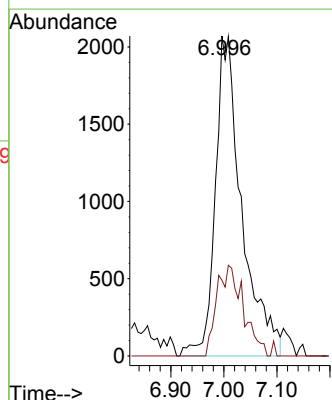
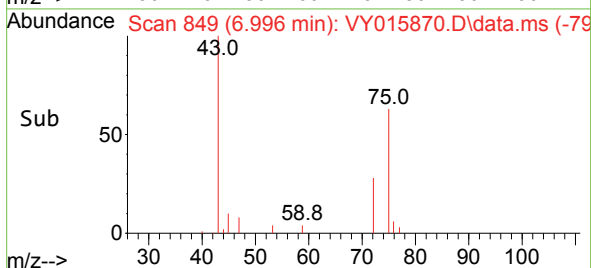
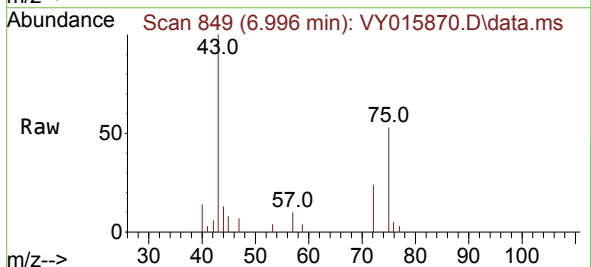


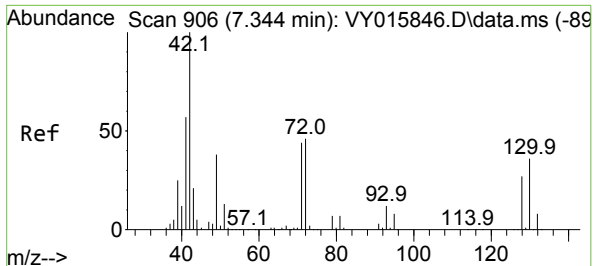
Tgt Ion: 76 Resp: 166638
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#25
2-Butanone
Concen: 3.382 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Tgt Ion: 43 Resp: 7176
Ion Ratio Lower Upper
43 100
72 23.7 20.5 30.7





#29

Tetrahydrofuran

Concen: 1.018 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.030 min

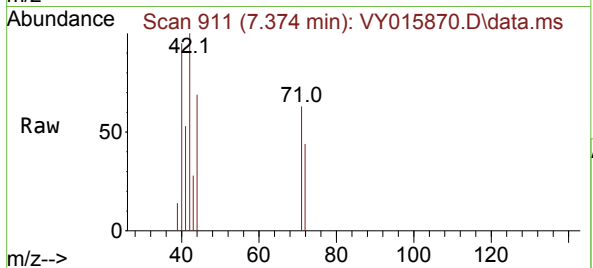
Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

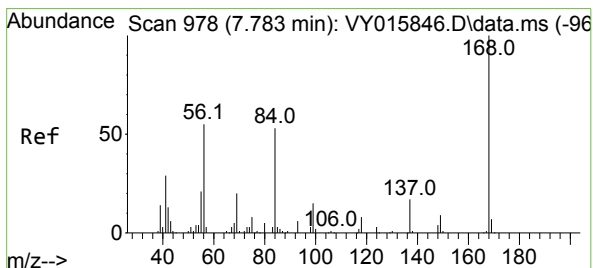
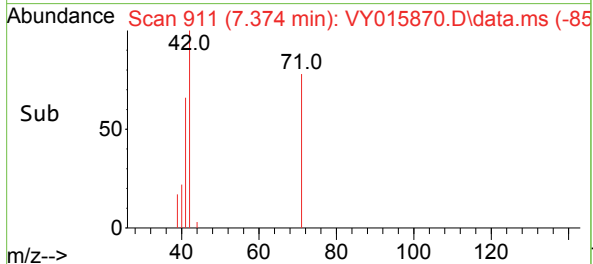
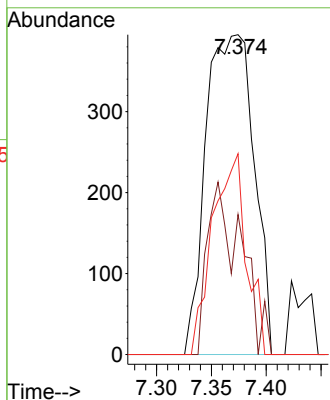
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1205
Ion	Ratio	Lower	Upper
42	100		
72	23.4	32.8	49.2#
71	44.1	31.0	46.4



#31

Cyclohexane

Concen: 3.753 ug/l

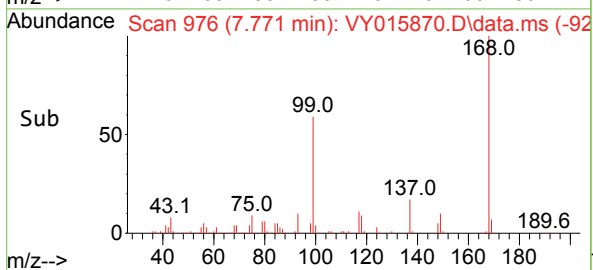
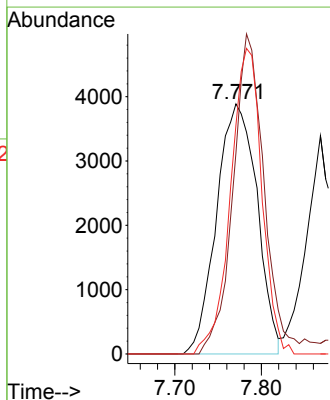
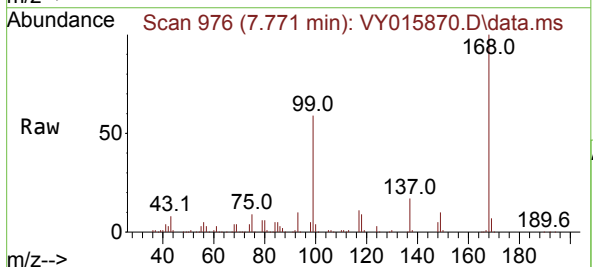
RT: 7.771 min Scan# 976

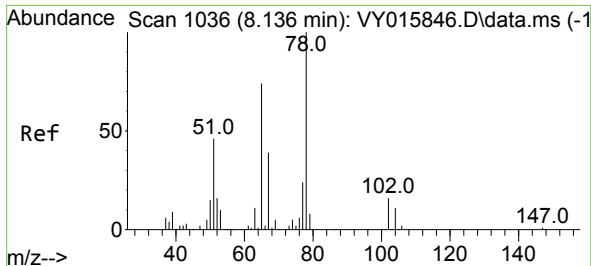
Delta R.T. -0.012 min

Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

Tgt Ion:	56	Resp:	12596
Ion	Ratio	Lower	Upper
56	100		
69	80.5	27.8	41.6#
84	91.7	66.4	99.6

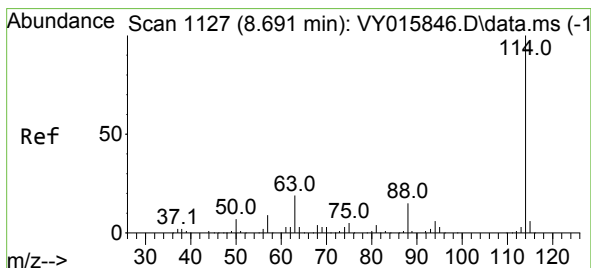
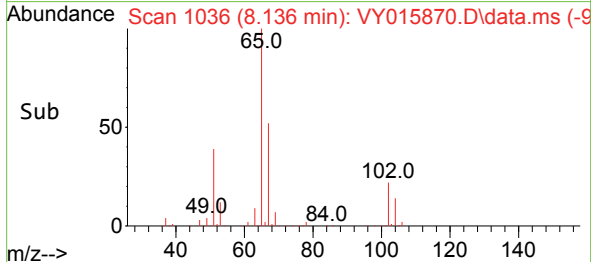
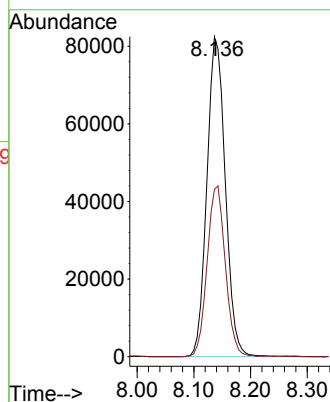
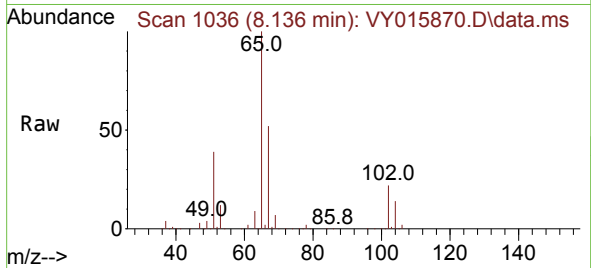




#33
 1,2-Dichloroethane-d4
 Concen: 62.312 ug/l
 RT: 8.136 min Scan# 110
 Delta R.T. 0.000 min
 Lab File: VY015870.D
 Acq: 06 Oct 2023 18:21

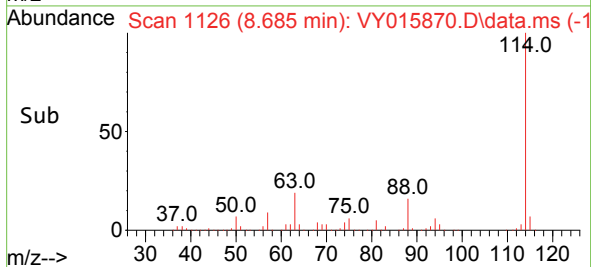
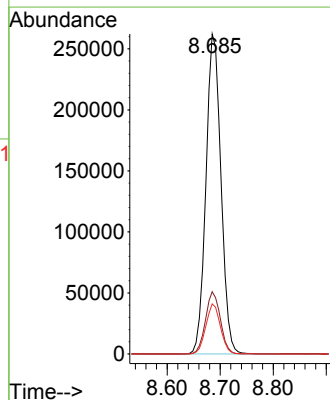
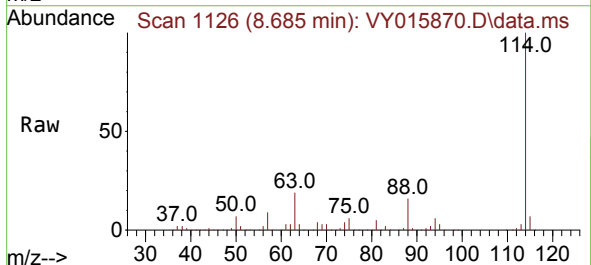
Instrument :
 MSVOA_Y
 ClientSampleId :

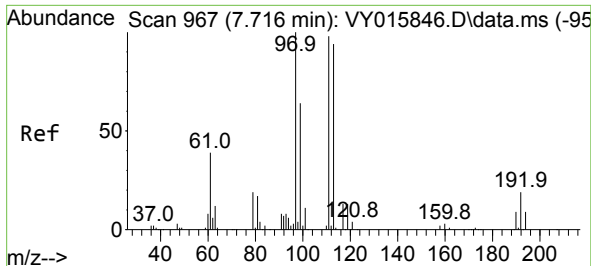
Tgt Ion: 65 Resp: 185530
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY015870.D
 Acq: 06 Oct 2023 18:21

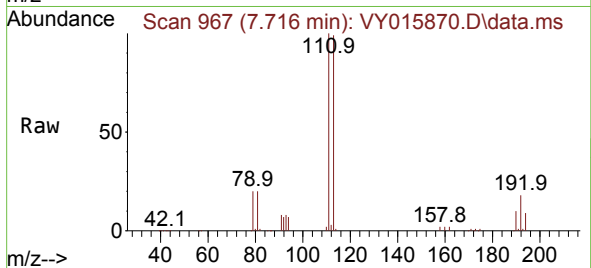
Tgt Ion:114 Resp: 515720
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.6 0.0 30.6



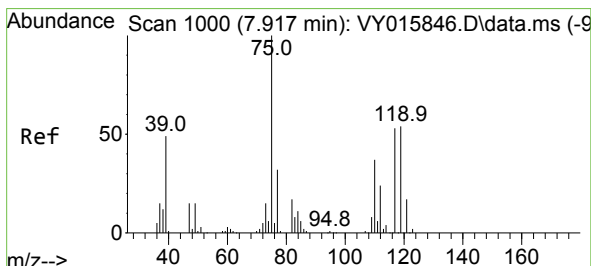
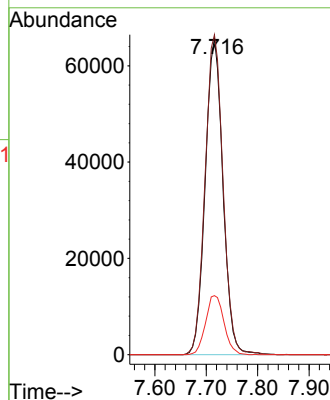
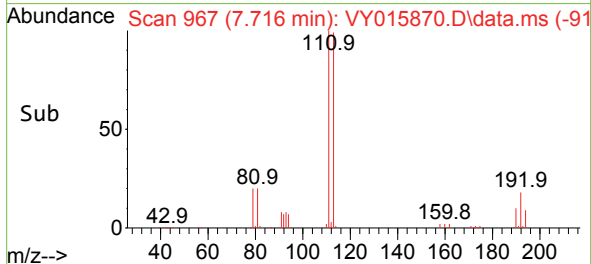


#35
Dibromofluoromethane
Concen: 53.275 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

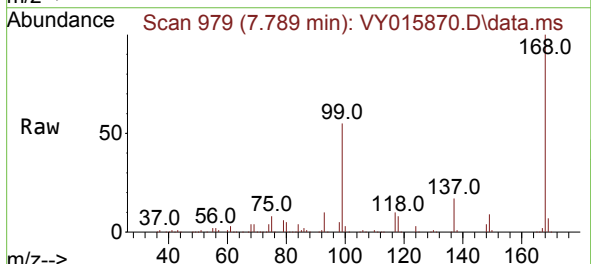
Instrument :
MSVOA_Y
ClientSampleId :



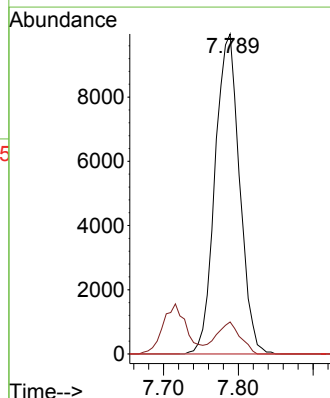
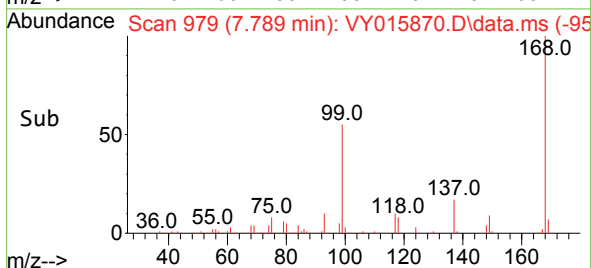
Tgt Ion:113 Resp: 156607
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.4 16.9 25.3

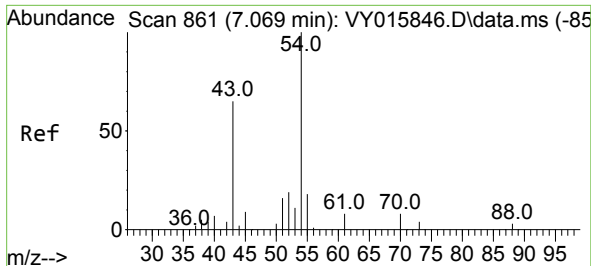


#36
1,1-Dichloropropene
Concen: 6.477 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21



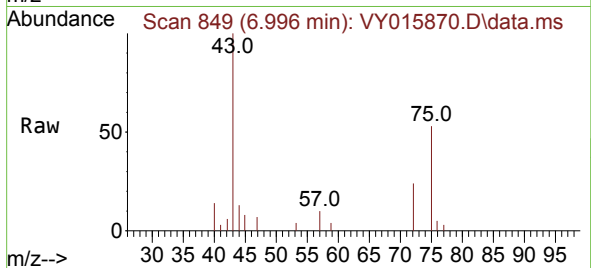
Tgt Ion: 75 Resp: 22714
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



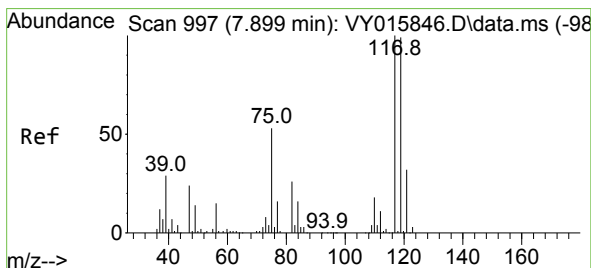
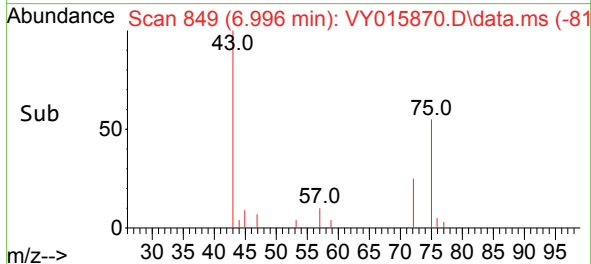
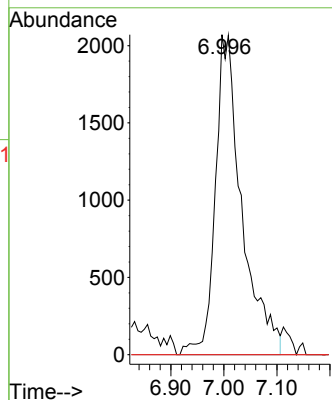


#37
Ethyl Acetate
Concen: 1.828 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.073 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

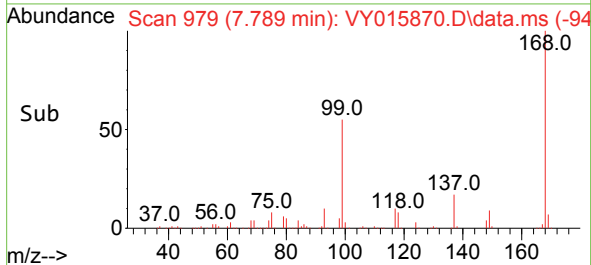
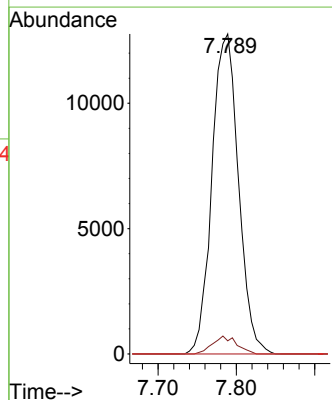
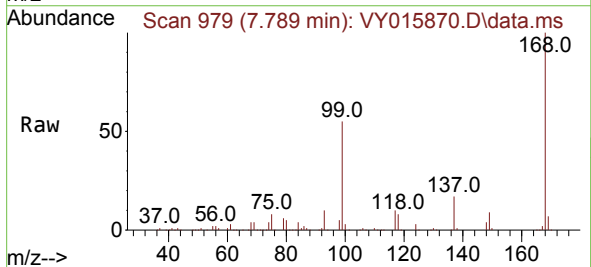


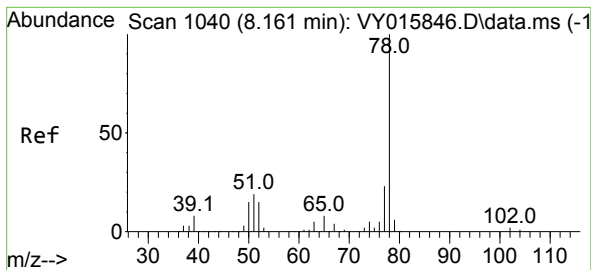
Tgt Ion: 43 Resp: 7176
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.277 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Tgt Ion: 117 Resp: 30008
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#





#40

Benzene

Concen: 1.147 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

Instrument :

MSVOA_Y

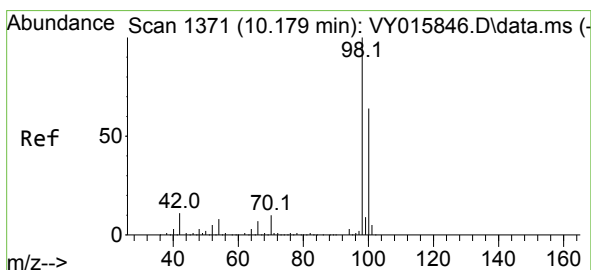
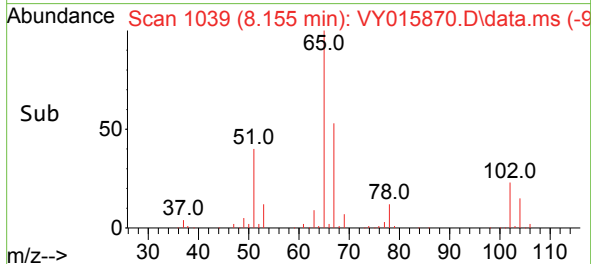
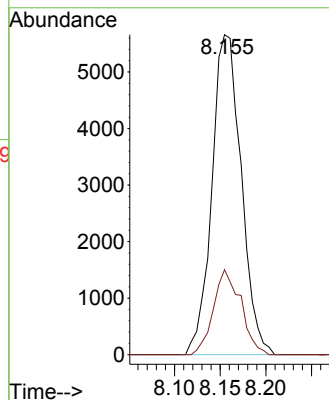
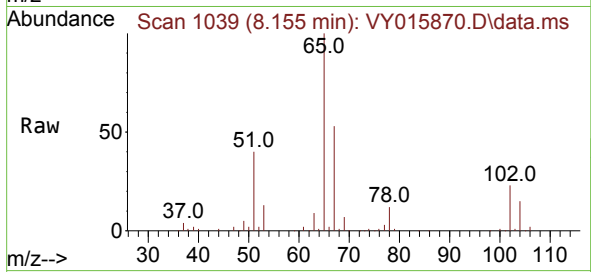
ClientSampleId :

Tgt Ion: 78 Resp: 12618

Ion Ratio Lower Upper

78 100

77 26.6 19.0 28.6



#50

Toluene-d8

Concen: 62.729 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015870.D

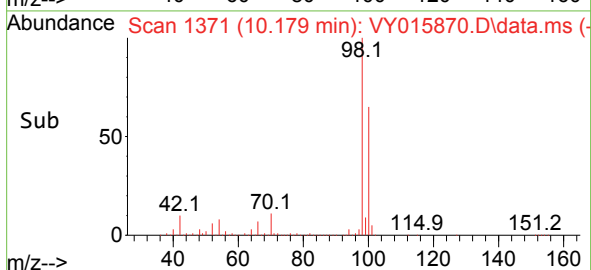
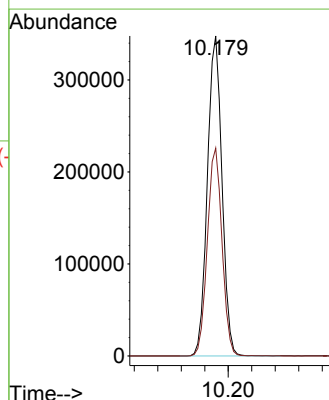
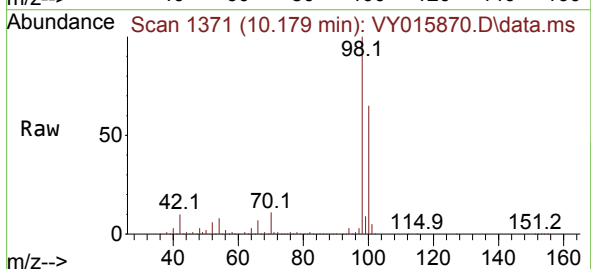
Acq: 06 Oct 2023 18:21

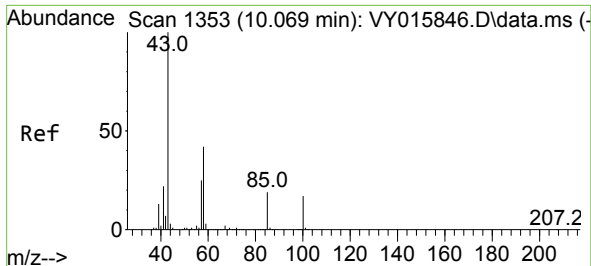
Tgt Ion: 98 Resp: 598695

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

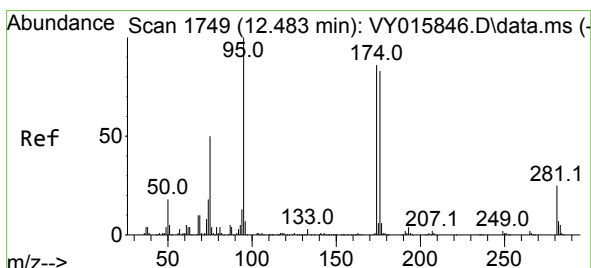
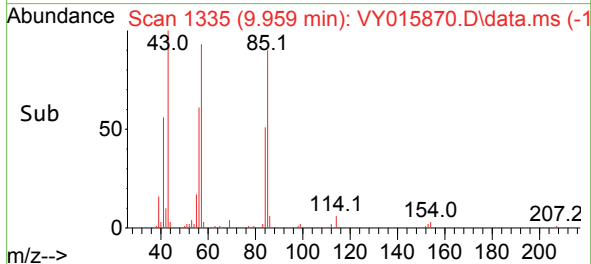
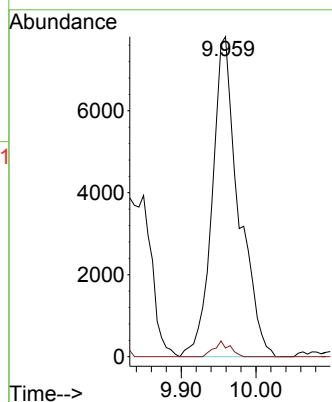
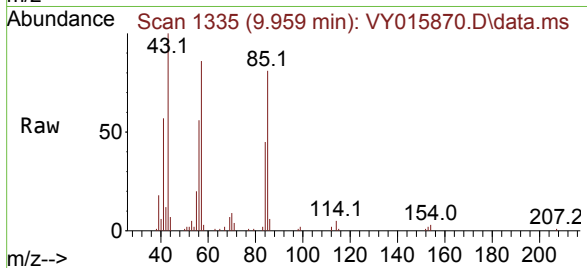




#51
4-Methyl-2-Pentanone
Concen: 4.560 ug/l
RT: 9.959 min Scan# 11
Delta R.T. -0.110 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

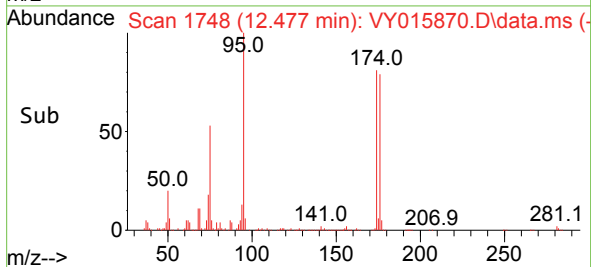
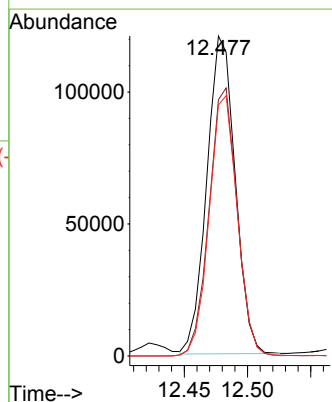
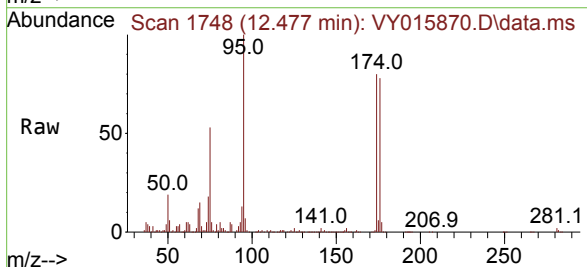
Instrument :
MSVOA_Y
ClientSampleId :

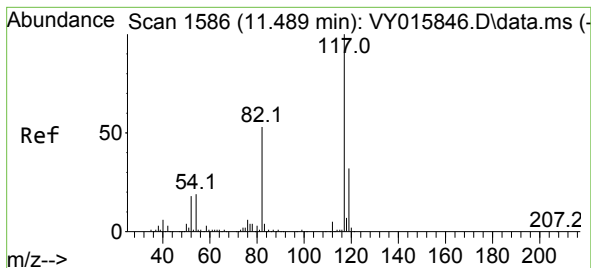
Tgt Ion: 43 Resp: 19270
Ion Ratio Lower Upper
43 100
58 2.9 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 48.173 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

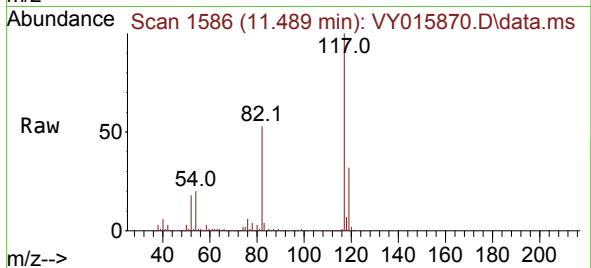
Tgt Ion: 95 Resp: 187932
Ion Ratio Lower Upper
95 100
174 83.7 0.0 178.2
176 81.2 0.0 173.8



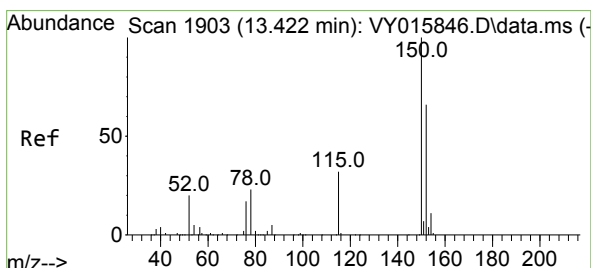
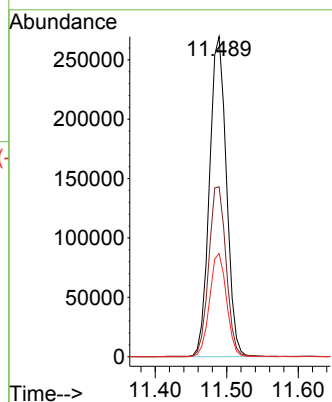
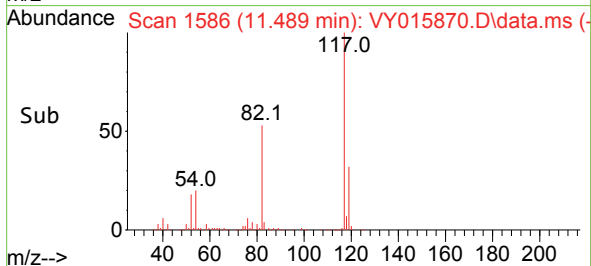


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

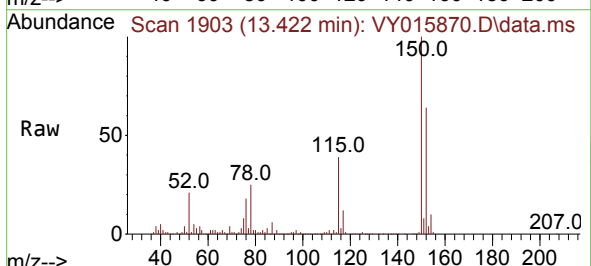
Instrument :
MSVOA_Y
ClientSampleId :



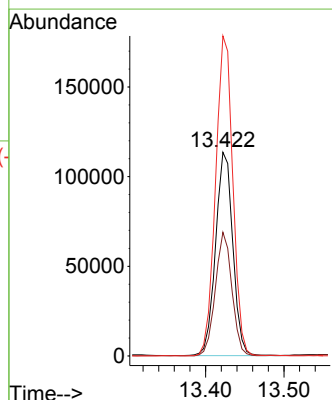
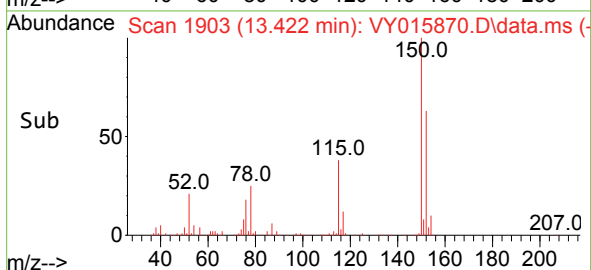
Tgt Ion:117 Resp: 443970
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.2 26.3 39.5

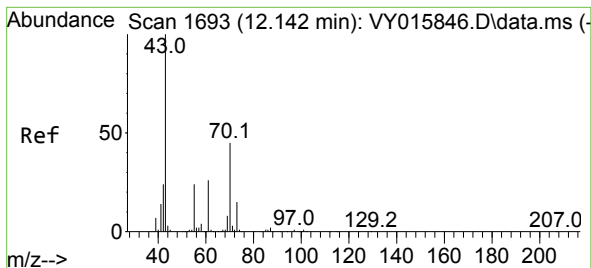


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21



Tgt Ion:152 Resp: 174362
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 156.6 0.0 348.8





#74

N-amy1 acetate

Concen: 5.343 ug/l

RT: 12.117 min Scan# 1

Delta R.T. -0.024 min

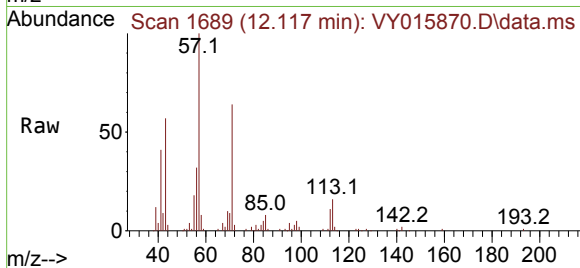
Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 23320

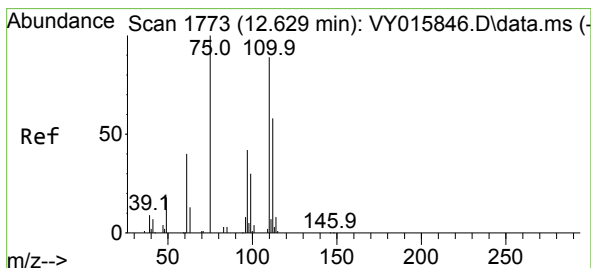
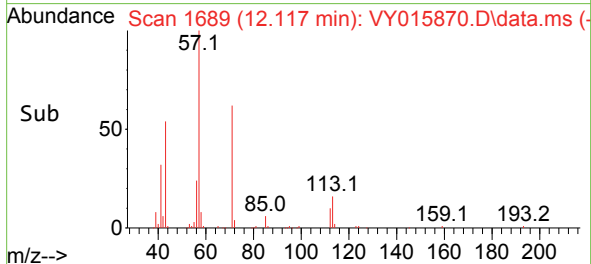
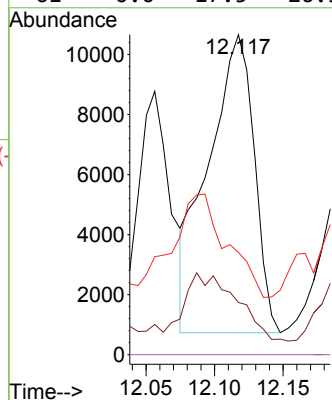
Ion Ratio Lower Upper

43 100

70 0.0 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 37.451 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015870.D

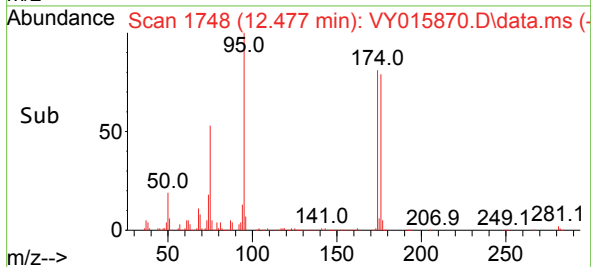
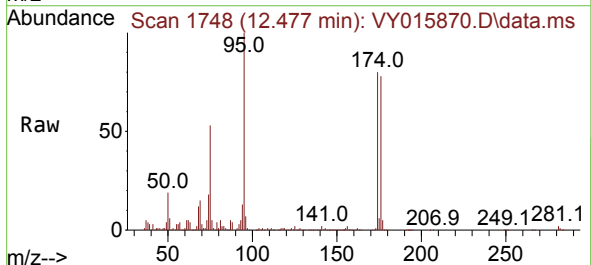
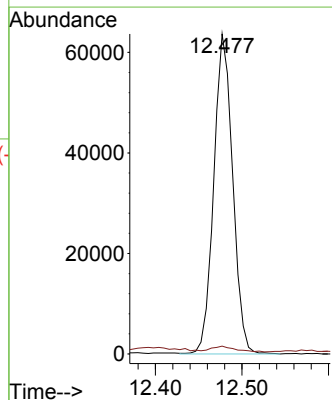
Acq: 06 Oct 2023 18:21

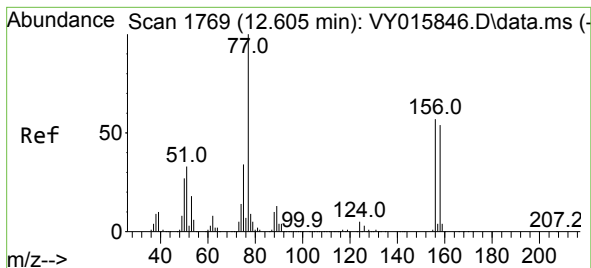
Tgt Ion: 75 Resp: 96667

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#





#77

Bromobenzene

Concen: 4.334 ug/l

RT: 12.379 min Scan# 1

Delta R.T. -0.226 min

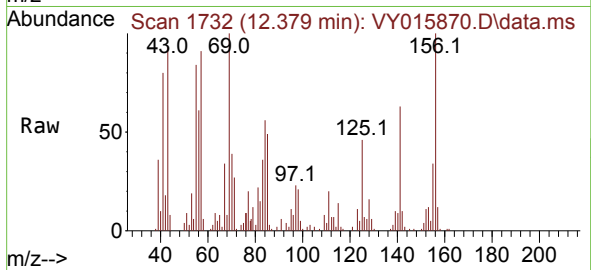
Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :



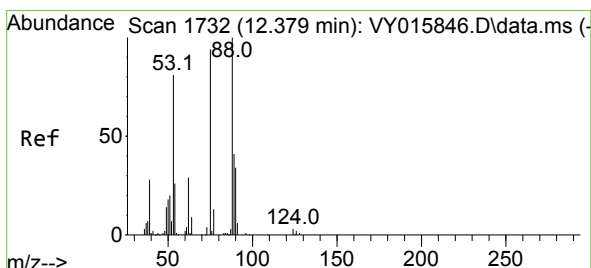
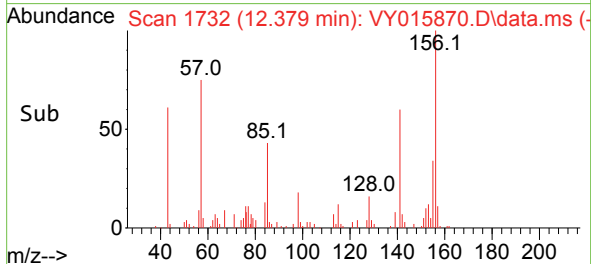
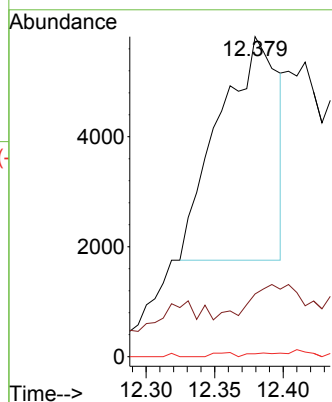
Tgt Ion:156 Resp: 12110

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.7 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.695 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

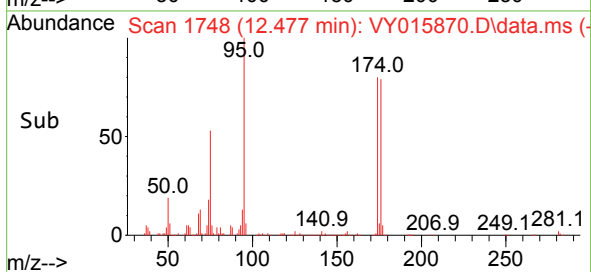
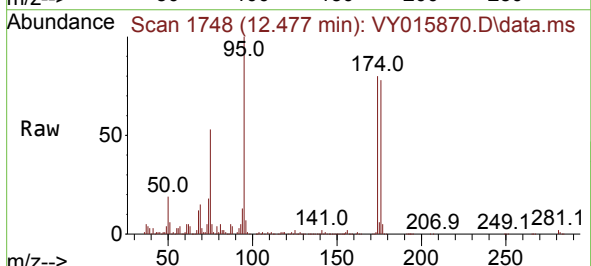
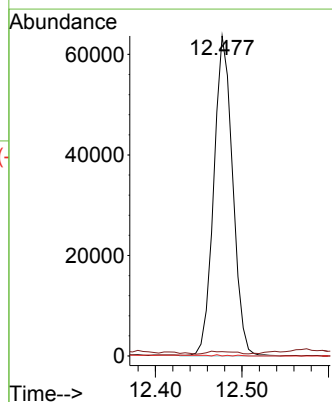
Tgt Ion: 75 Resp: 96667

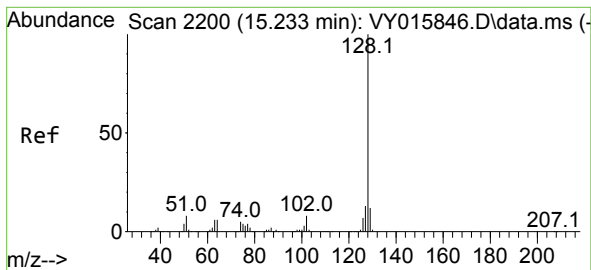
Ion Ratio Lower Upper

75 100

53 1.3 77.8 116.8#

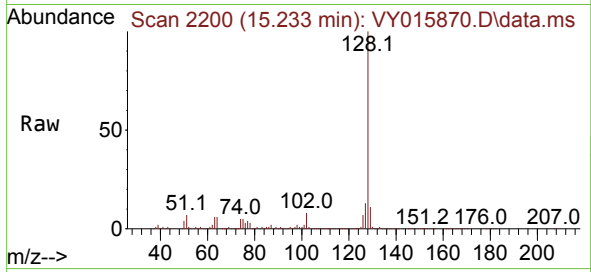
89 0.2 37.4 56.0#





#95
Naphthalene
Concen: 51.128 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 467524
Ion Ratio Lower Upper
128 100
127 12.7 10.8 16.2
129 10.9 8.6 13.0

