

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015196.D
 Acq On : 18 Aug 2023 15:24
 Operator : SY/MD
 Sample : 04086-07
 Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:10:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	48772	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.697	114	106363	50.000	ug/l	# 0.01
63) Chlorobenzene-d5	11.502	117	100818	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	31266	50.000	ug/l	# 0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	20699	35.355	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.700%
35) Dibromofluoromethane	7.716	113	29508	43.123	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.240%
50) Toluene-d8	10.228	98	499973	196.280	ug/l	0.05
Spiked Amount	50.000	Range	58 - 134	Recovery	=	392.560%#
62) 4-Bromofluorobenzene	12.489	95	148553	159.670	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	319.340%#

Target Compounds				Qvalue		
3) Chloromethane	2.071	50	117281	431.808	ug/l #	71
5) Bromomethane	2.644	94	1526	4.101	ug/l	97
6) Chloroethane	2.729	64	309	1.097	ug/l #	1
10) Methyl Iodide	4.070	142	5405	13.544	ug/l	97
11) Tert butyl alcohol	4.924	59	952	Below Cal	#	89
13) Acrolein	3.680	56	396930	4497.363	ug/l #	1
14) Allyl chloride	4.570	41	917778	1525.303	ug/l #	68
15) Acrylonitrile	5.247	53	2195901	12634.359	ug/l #	40
16) Acetone	3.930	43	6142805	32117.371	ug/l #	58
18) Methyl Acetate	4.722	43	33167323	47321.482	ug/l #	54
19) Methyl tert-butyl Ether	5.228	73	5756	3.989	ug/l #	1
20) Methylene Chloride	4.576	84	356457	846.100	ug/l #	11
23) Vinyl Acetate	6.039	43	415235	463.497	ug/l #	76
24) 1,1-Dichloroethane	6.039	63	42476	52.256	ug/l #	84
25) 2-Butanone	6.990	43	776860	2868.698	ug/l #	51
26) 2,2-Dichloropropane	6.801	77	252683	322.467	ug/l #	54
28) Bromochloromethane	7.368	49	1309	3.505	ug/l #	14
29) Tetrahydrofuran	7.368	42	24361	150.445	ug/l #	35
30) Chloroform	7.478	83	1064229	1167.919	ug/l #	23
31) Cyclohexane	7.771	56	6590211	13277.532	ug/l #	63
32) 1,1,1-Trichloroethane	7.637	97	6136	7.913	ug/l #	1
36) 1,1-Dichloropropene	7.893	75	6233	8.234	ug/l #	1
37) Ethyl Acetate	6.990	43	776860	1100.939	ug/l #	74
38) Carbon Tetrachloride	7.819	117	5025	5.609	ug/l #	12
39) Methylcyclohexane	9.191	83	12860133	15153.684	ug/l	94
40) Benzene	8.167	78	283961	124.069	ug/l	98
41) Methacrylonitrile	7.362	41	262857	722.411	ug/l #	44
42) 1,2-Dichloroethane	8.289	62	44895	54.011	ug/l #	1
43) Isopropyl Acetate	8.289	43	17889555	13921.804	ug/l #	55
45) 1,2-Dichloropropane	9.197	63	213225	330.381	ug/l #	1
46) Dibromomethane	9.344	93	1288	3.164	ug/l #	3
47) Bromodichloromethane	9.496	83	983109	1012.126	ug/l #	53
48) Methyl methacrylate	9.264	41	7005772	12744.823	ug/l #	40
49) 1,4-Dioxane	9.252	88	600	73.713	ug/l #	1
51) 4-Methyl-2-Pentanone	10.173	43	3456713	4641.535	ug/l	91
53) t-1,3-Dichloropropene	10.252	75	582612	570.737	ug/l #	1

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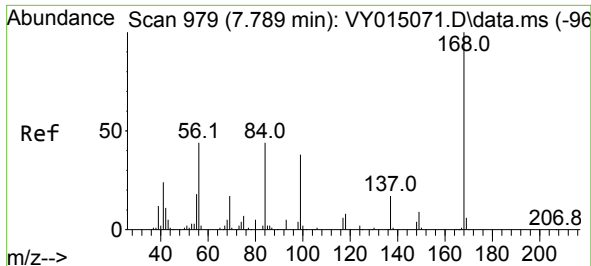
Quant Time: Aug 18 23:10:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
54) cis-1,3-Dichloropropene	9.996	75	8095	7.530	ug/l #	1	
55) 1,1,2-Trichloroethane	10.636	97	3067936	4956.861	ug/l #	32	
56) Ethyl methacrylate	10.502	69	581654	642.147	ug/l #	65	
57) 1,3-Dichloropropane	10.813	76	1256	1.242	ug/l #	1	
58) 2-Chloroethyl Vinyl ether	9.734	63	71416	169.419	ug/l #	50	
59) 2-Hexanone	10.813	43	5960227	10813.515	ug/l #	34	
60) Dibromochloromethane	10.923	129	52327	70.875	ug/l	63	
61) 1,2-Dibromoethane	11.081	107	7500	12.756	ug/l #	1	
65) Chlorobenzene	11.422	112	132122	71.926	ug/l #	59	
67) Ethyl Benzene	11.697	91	3548278	1102.480	ug/l #	1	
68) m/p-Xylenes	11.709	106	23013690	18827.002	ug/l #	1	
69) o-Xylene	12.044	106	19071822	15662.021	ug/l #	1	
70) Styrene	12.044	104	1044532	495.609	ug/l #	1	
74) N-amyl acetate	12.136	43	3910562	5387.245	ug/l #	65	
75) 1,1,2,2-Tetrachloroethane	12.556	83	403924	771.396	ug/l #	6	
76) 1,2,3-Trichloropropane	12.691	75	594094	1563.988	ug/l #	100	
77) Bromobenzene	12.380	156	597295	1218.804	ug/l #	1	
79) 2-Chlorotoluene	12.995	91	7663630	5564.367	ug/l #	40	
80) 1,3,5-Trimethylbenzene	12.733	105	3441421	2053.474	ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.343	75	451507	2610.778	ug/l #	58	
82) 4-Chlorotoluene	12.995	91	7667225	5388.484	ug/l #	40	
83) tert-Butylbenzene	13.130	119	6835994	4459.523	ug/l #	67	
84) 1,2,4-Trimethylbenzene	13.264	105	8570889	5118.006	ug/l #	32	
85) sec-Butylbenzene	13.264	105	8570889	3816.048	ug/l #	48	
86) p-Isopropyltoluene	13.379	119	3695557	1984.563	ug/l	99	
89) n-Butylbenzene	13.703	91	6980400	3975.725	ug/l #	69	
90) Hexachloroethane	13.971	117	1488110	4028.232	ug/l #	8	
92) 1,2-Dibromo-3-Chloropr...	14.331	75	42709	421.046	ug/l #	3	
95) Naphthalene	15.233	128	2722660	1874.853	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.385	180	534	1.014	ug/l #	1	

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

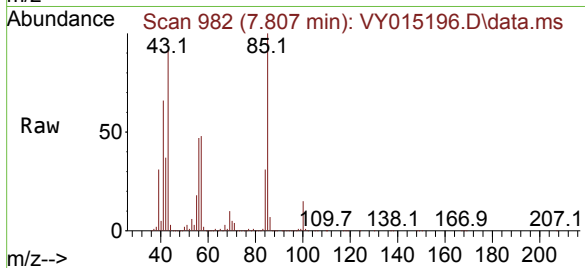
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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
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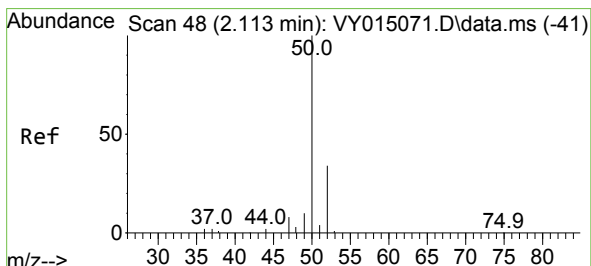
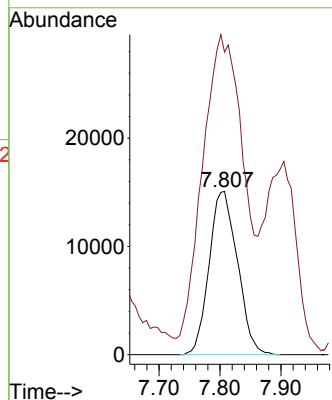
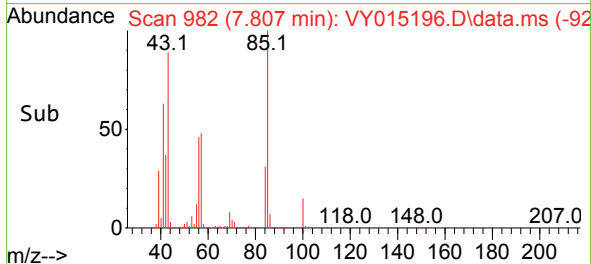


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

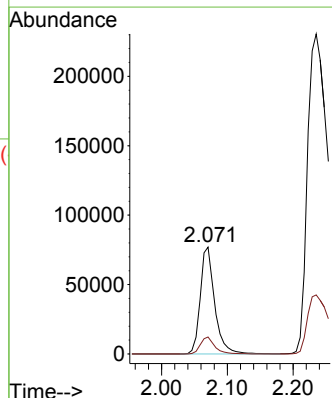
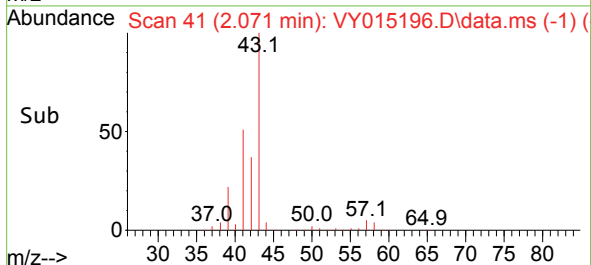
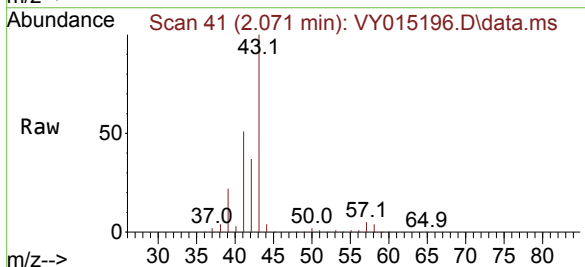


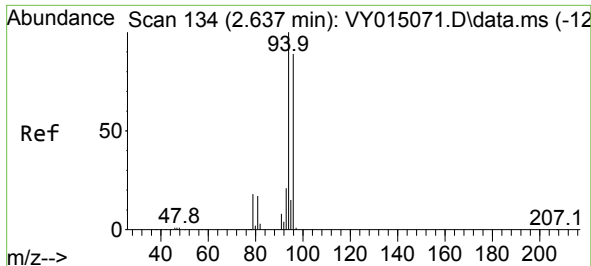
Tgt Ion:168 Resp: 48772
Ion Ratio Lower Upper
168 100
99 173.4 43.4 65.0#



#3
Chloromethane
Concen: 431.808 ug/l
RT: 2.071 min Scan# 41
Delta R.T. -0.036 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

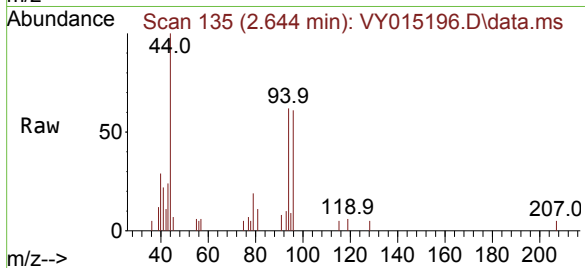
Tgt Ion: 50 Resp: 117281
Ion Ratio Lower Upper
50 100
52 15.8 25.4 38.2#



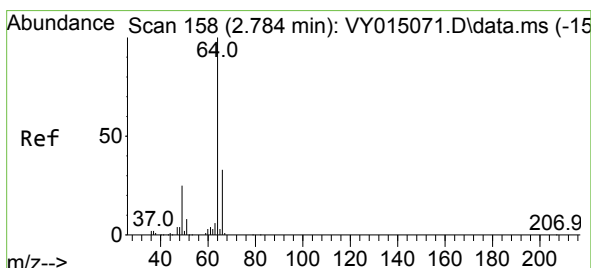
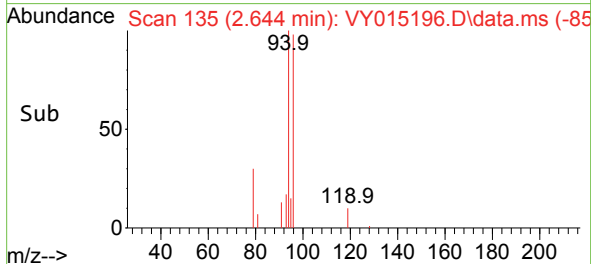
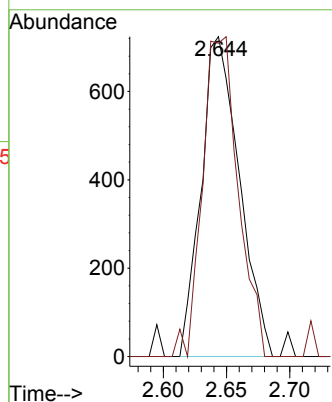


#5
Bromomethane
Concen: 4.101 ug/l
RT: 2.644 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

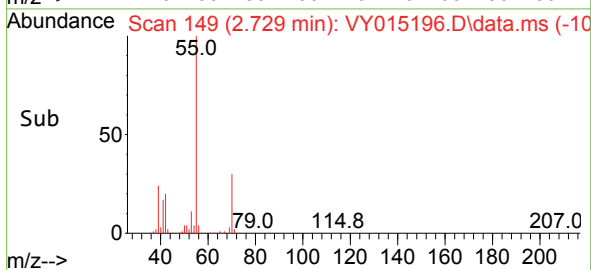
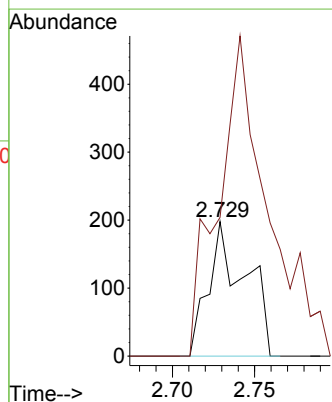
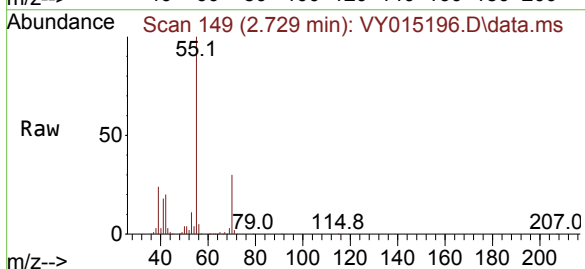


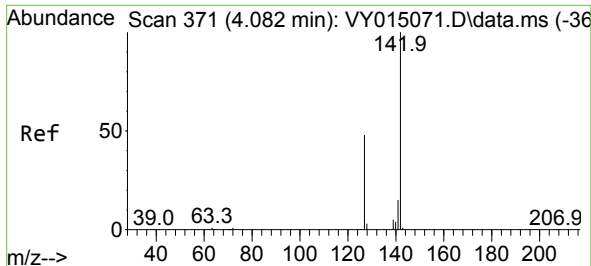
Tgt Ion: 94 Resp: 1526
Ion Ratio Lower Upper
94 100
96 97.9 75.8 113.6



#6
Chloroethane
Concen: 1.097 ug/l
RT: 2.729 min Scan# 149
Delta R.T. -0.055 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

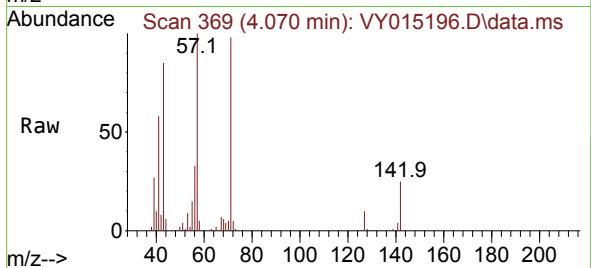
Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 103.0 24.4 36.6#



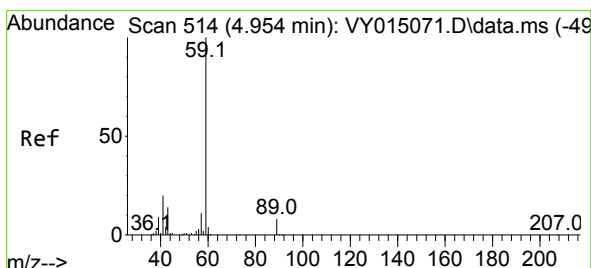
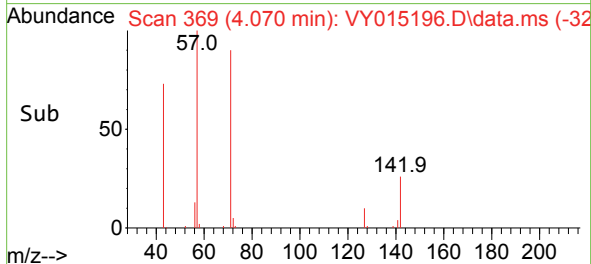
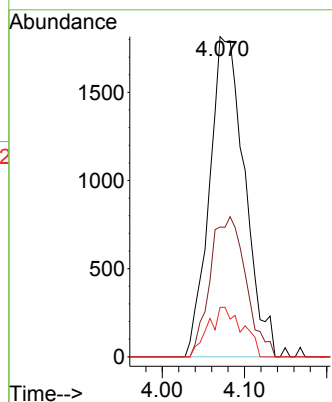


#10
Methyl Iodide
Concen: 13.544 ug/l
RT: 4.070 min Scan# 309
Delta R.T. -0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

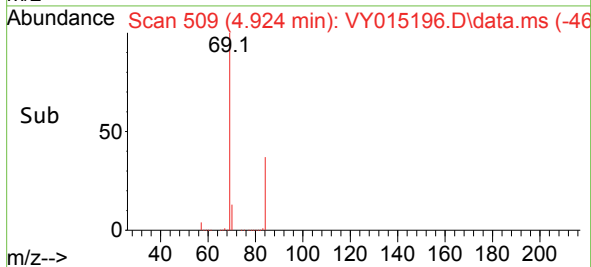
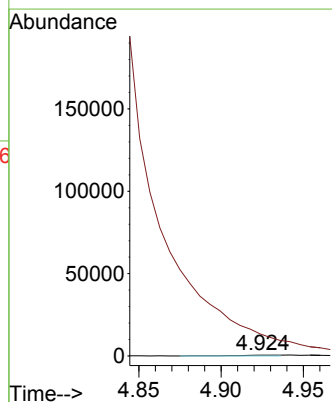
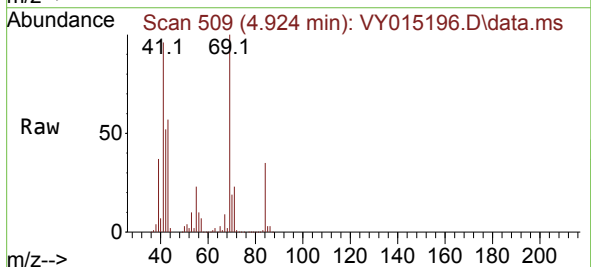


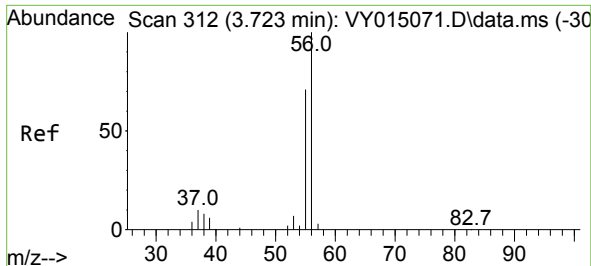
Tgt Ion:142 Resp: 5405
Ion Ratio Lower Upper
142 100
127 44.3 37.6 56.4
141 15.1 11.8 17.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 59 Resp: 952
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

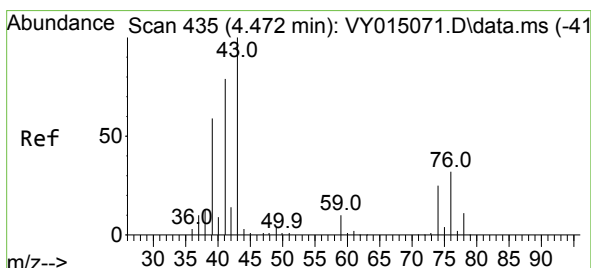
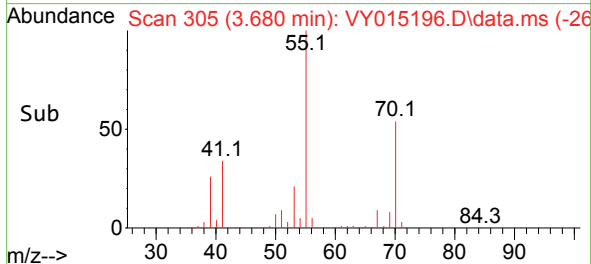
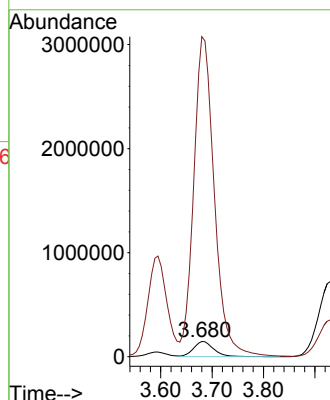
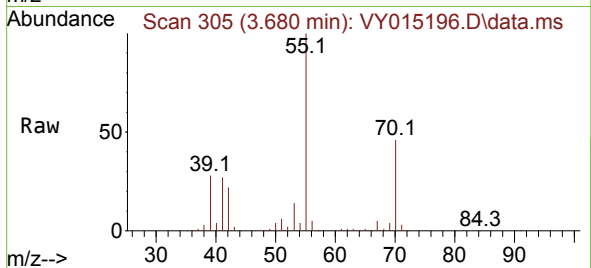




#13
Acrolein
Concen: 4497.363 ug/l
RT: 3.680 min Scan# 305
Delta R.T. -0.043 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

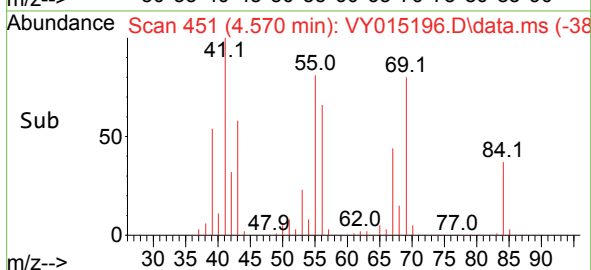
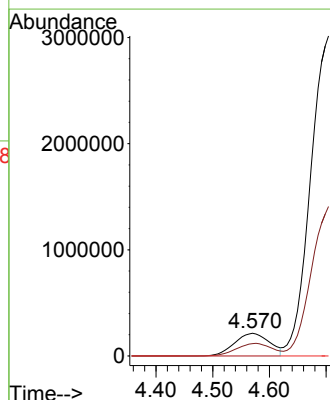
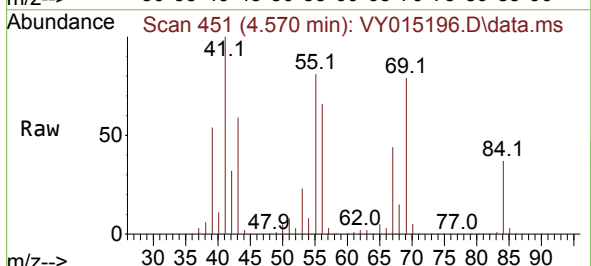
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MSVOA_Y
ClientSampleId :

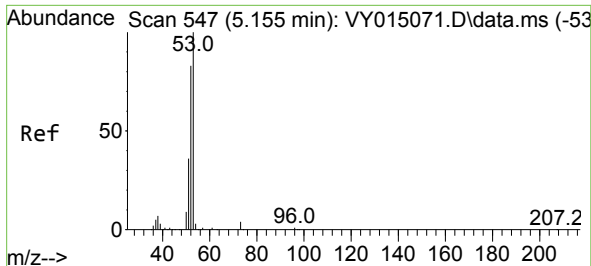
Tgt Ion: 56 Resp: 396930
Ion Ratio Lower Upper
56 100
55 2151.1 57.0 85.4#



#14
Allyl chloride
Concen: 1525.303 ug/l
RT: 4.570 min Scan# 451
Delta R.T. 0.098 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

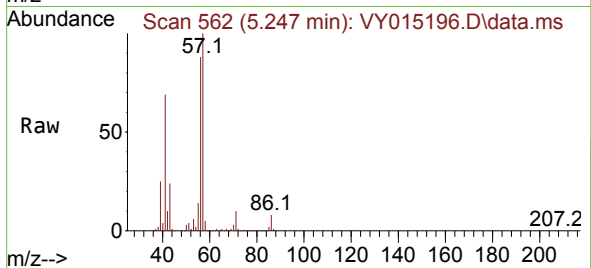
Tgt Ion: 41 Resp: 917778
Ion Ratio Lower Upper
41 100
39 56.9 58.0 87.0#
76 0.0 27.4 41.2#





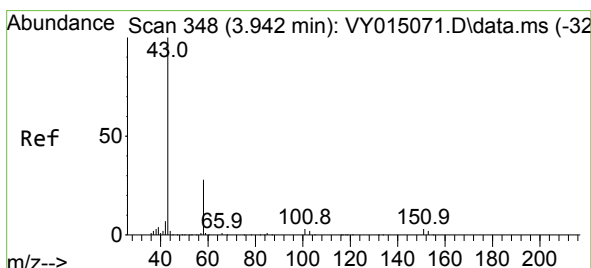
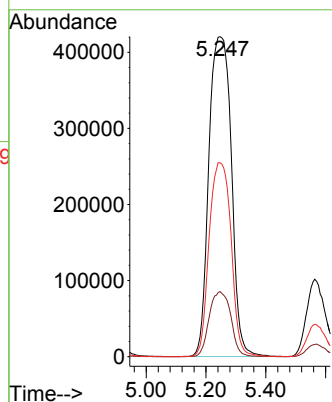
#15
Acrylonitrile
Concen: 12634.359 ug/l
RT: 5.247 min Scan# 51
Delta R.T. 0.092 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 53 Resp: 2195901

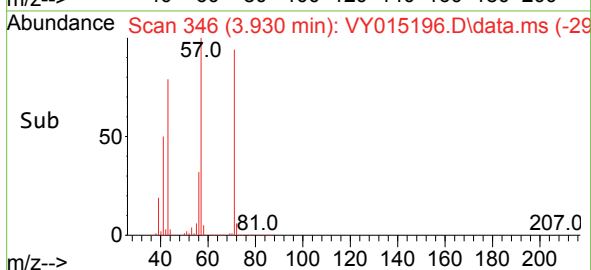
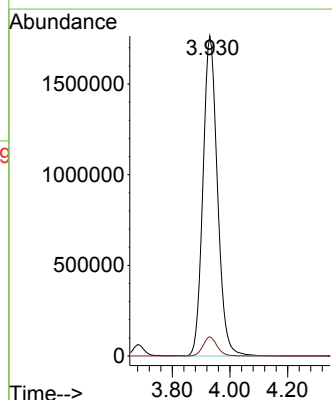
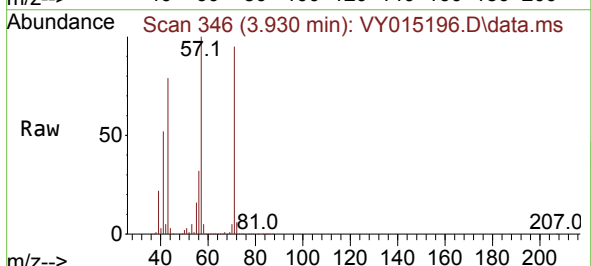
Ion	Ratio	Lower	Upper
53	100		
52	19.6	66.9	100.3#
51	59.0	29.8	44.6#

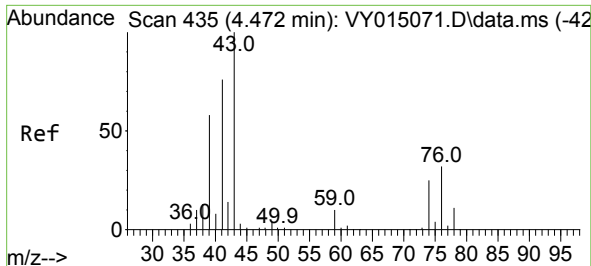


#16
Acetone
Concen: 32117.371 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 43 Resp: 6142805

Ion	Ratio	Lower	Upper
43	100		
58	6.0	22.7	34.1#

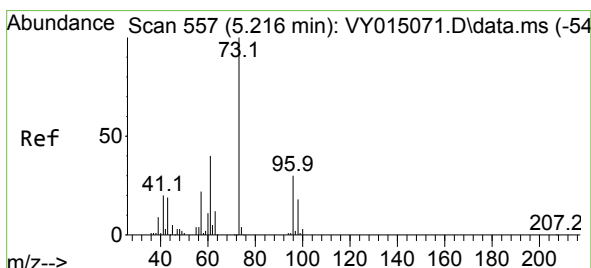
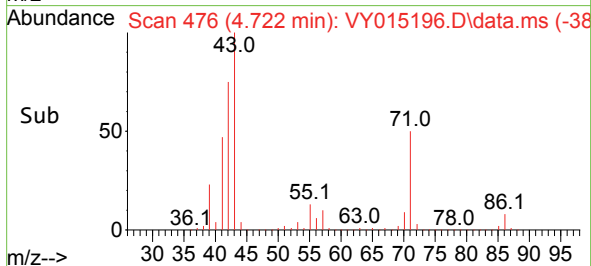
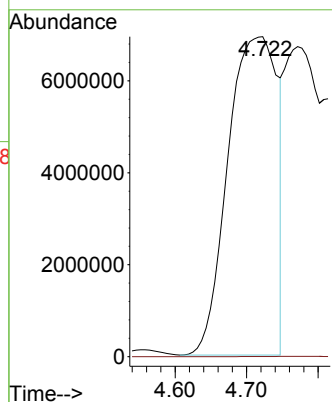
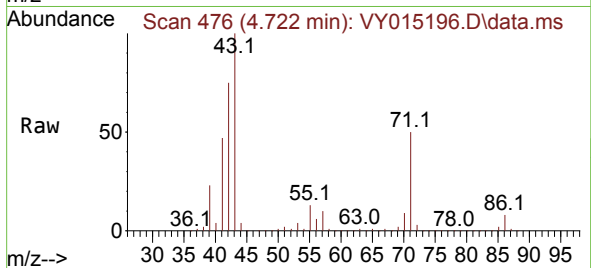




#18
Methyl Acetate
Concen: 47321.482 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.256 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

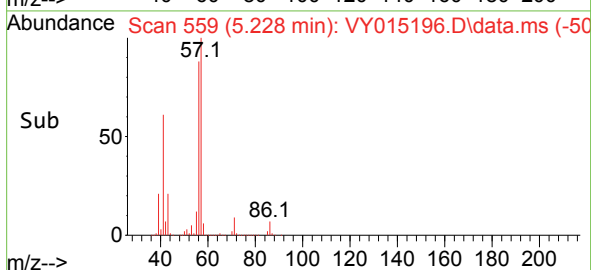
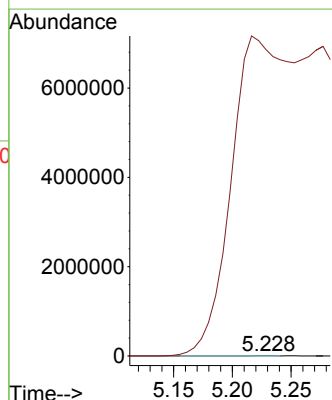
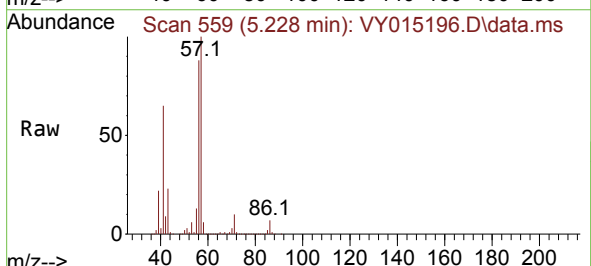
Instrument :
MSVOA_Y
ClientSampleId :

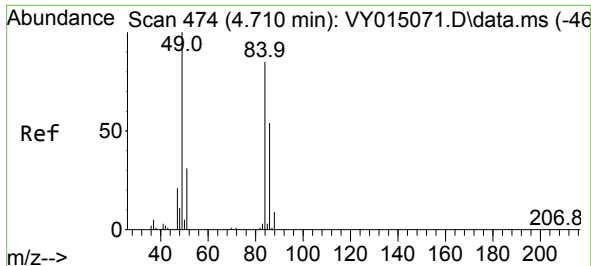
Tgt Ion: 43 Resp:33167323
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#19
Methyl tert-butyl Ether
Concen: 3.989 ug/l
RT: 5.228 min Scan# 559
Delta R.T. 0.018 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

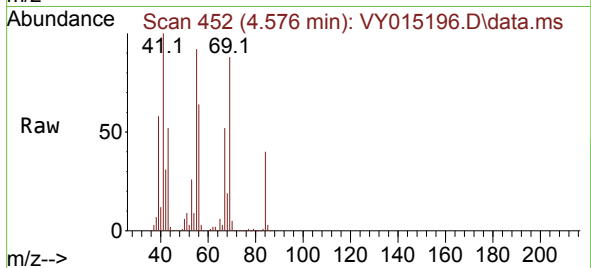
Tgt Ion: 73 Resp: 5756
Ion Ratio Lower Upper
73 100
57 300597.8 17.3 25.9#



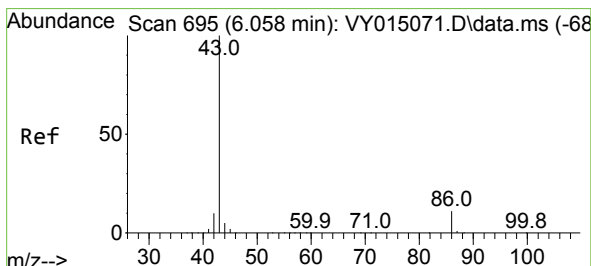
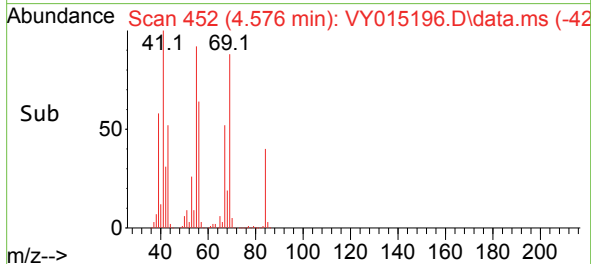
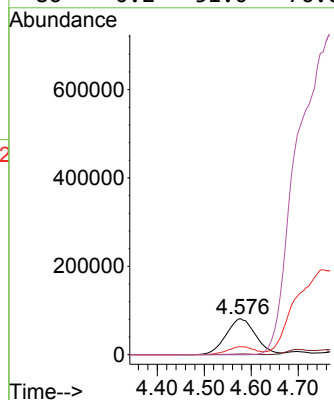


#20
Methylene Chloride
Concen: 846.100 ug/l
RT: 4.576 min Scan# 41
Delta R.T. -0.134 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

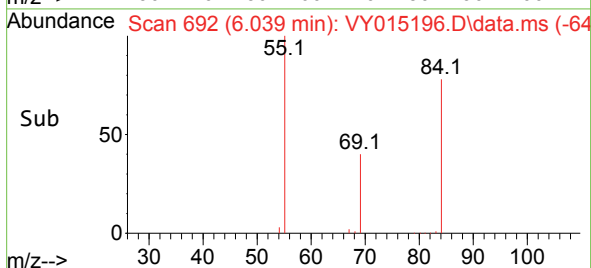
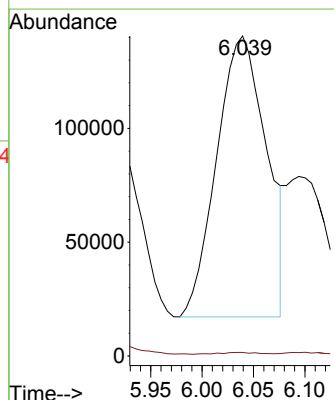
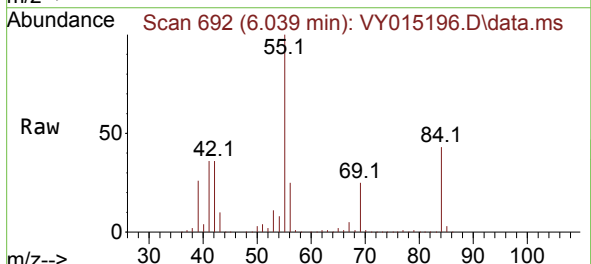


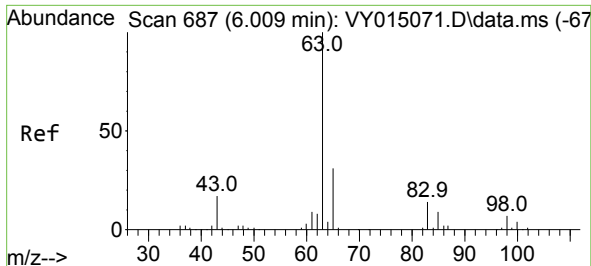
Tgt Ion: 84 Resp: 356457
Ion Ratio Lower Upper
84 100
49 1.8 106.9 160.3#
51 22.2 33.2 49.8#
86 0.2 51.0 76.6#



#23
Vinyl Acetate
Concen: 463.497 ug/l
RT: 6.039 min Scan# 692
Delta R.T. -0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 43 Resp: 415235
Ion Ratio Lower Upper
43 100
86 0.5 7.5 11.3#

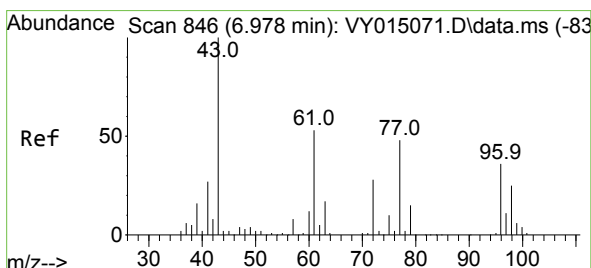
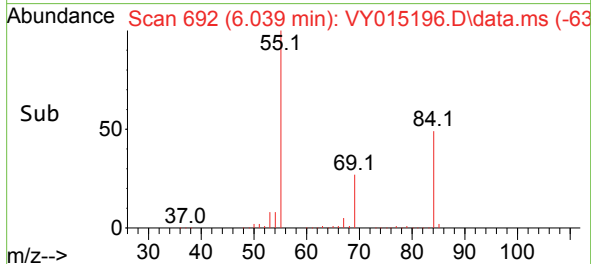
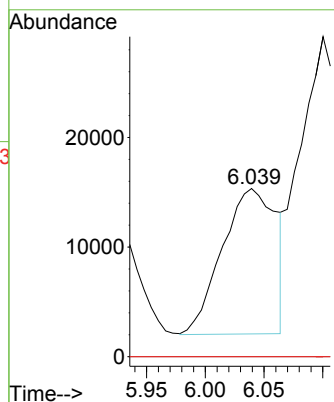
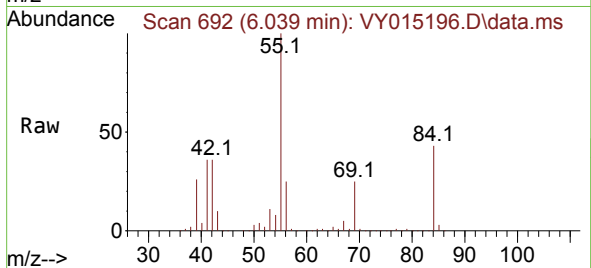




#24
1,1-Dichloroethane
Concen: 52.256 ug/l
RT: 6.039 min Scan# 61
Delta R.T. 0.031 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

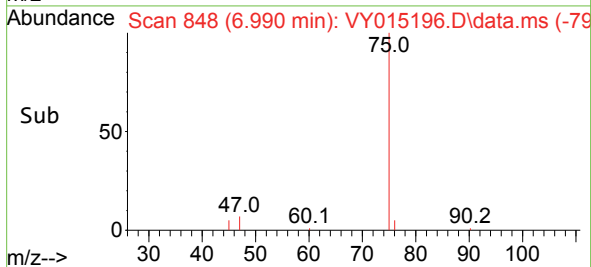
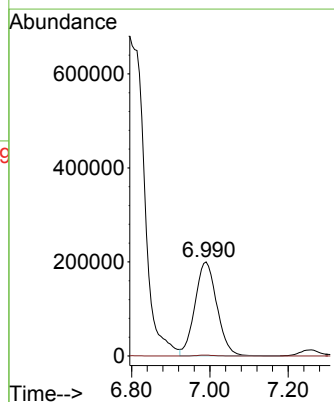
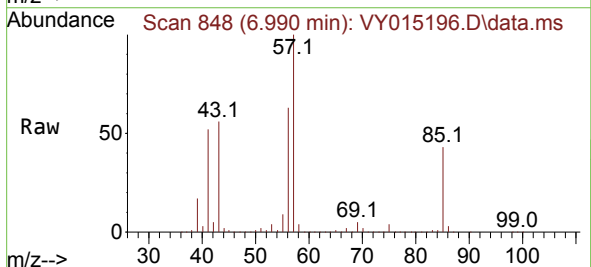
Instrument :
MSVOA_Y
ClientSampleId :

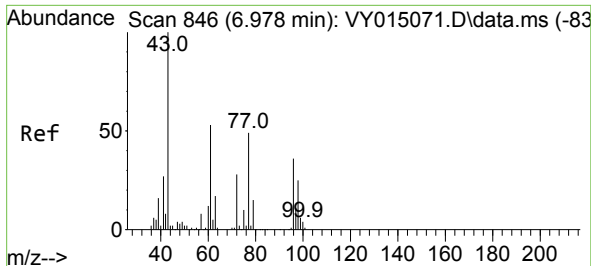
Tgt Ion: 63 Resp: 42476
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 0.0 1.8 5.5#



#25
2-Butanone
Concen: 2868.698 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 43 Resp: 776860
Ion Ratio Lower Upper
43 100
72 0.8 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 322.467 ug/l

RT: 6.801 min Scan# 81

Delta R.T. -0.171 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

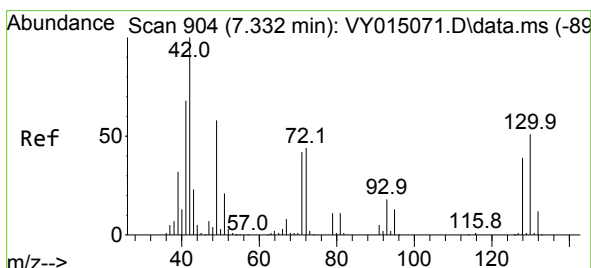
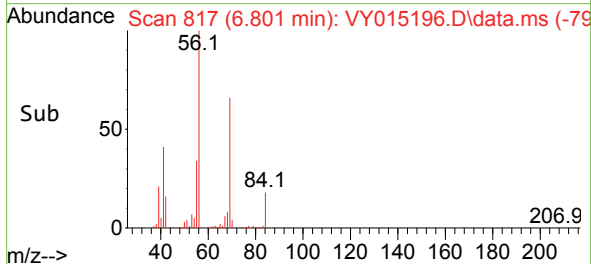
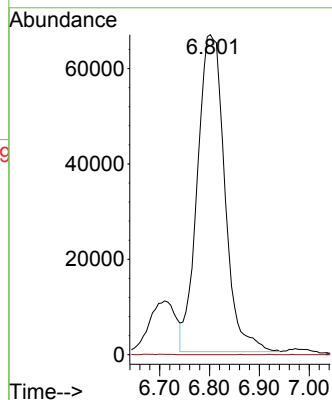
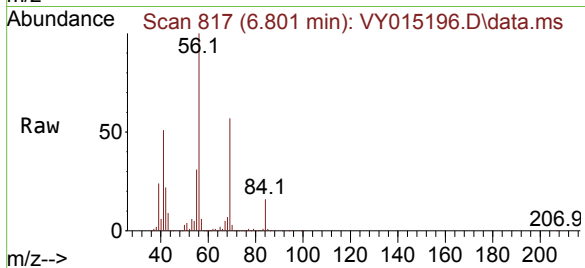
ClientSampleId :

Tgt Ion: 77 Resp: 252683

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#28

Bromochloromethane

Concen: 3.505 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.037 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

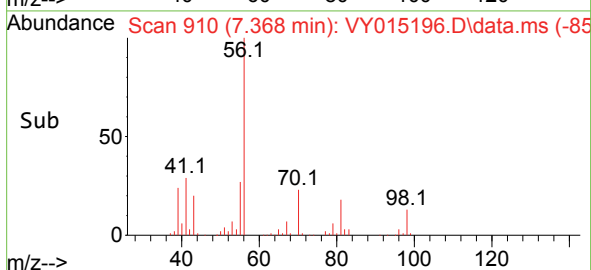
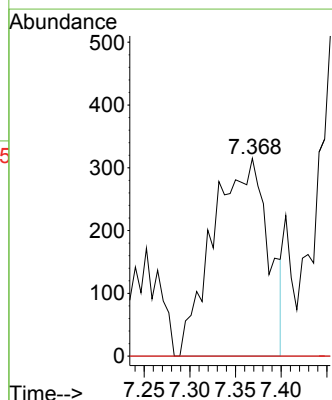
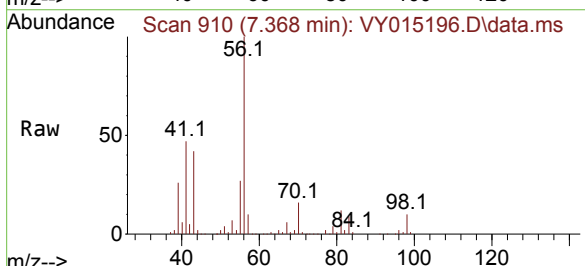
Tgt Ion: 49 Resp: 1309

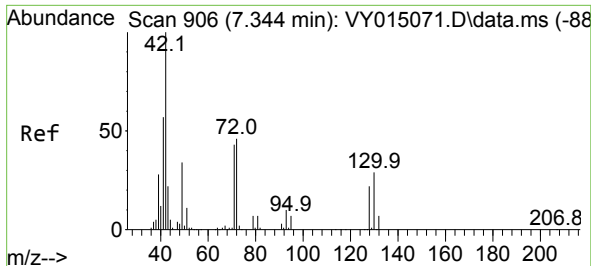
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 60.7 91.1#





#29

Tetrahydrofuran

Concen: 150.445 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.024 min

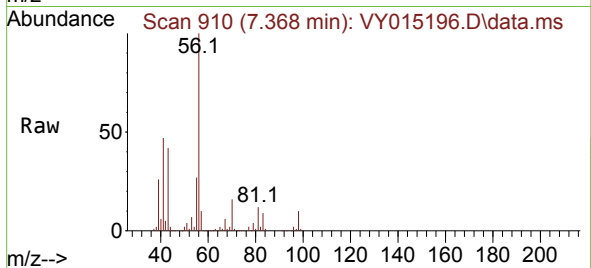
Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

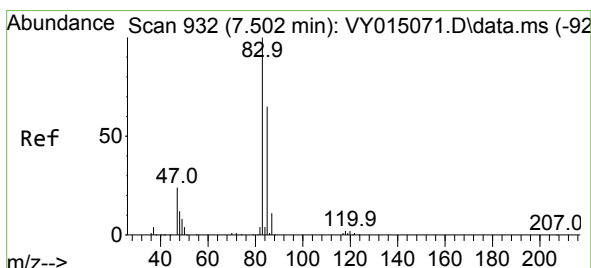
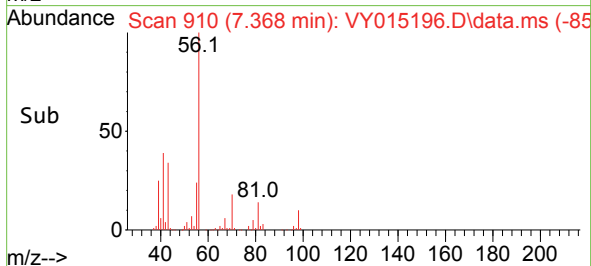
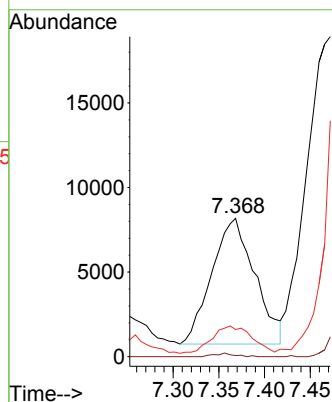
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	24361
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#



#30

Chloroform

Concen: 1167.919 ug/l

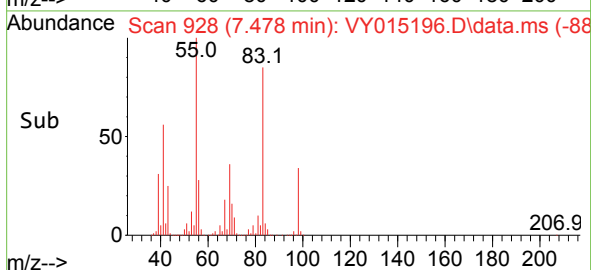
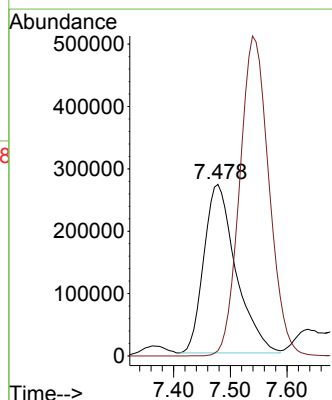
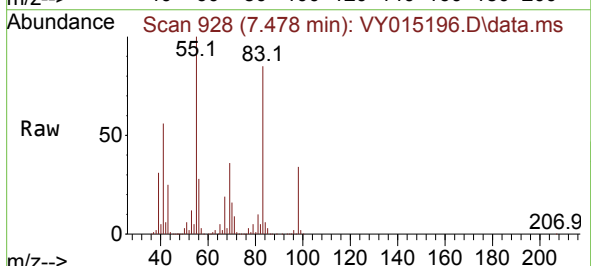
RT: 7.478 min Scan# 928

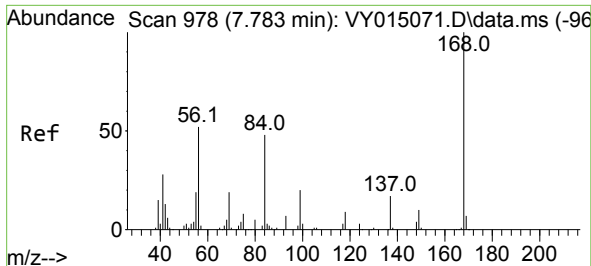
Delta R.T. -0.024 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

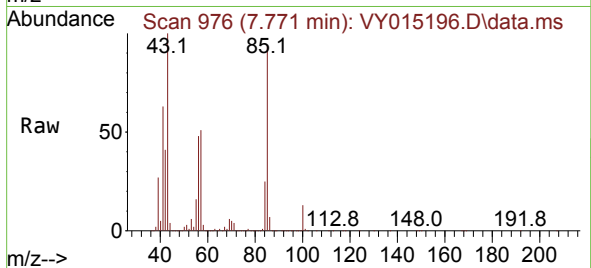
Tgt Ion:	83	Resp:	1064229
Ion Ratio	Lower	Upper	
83	100		
85	3.1	49.7	74.5#



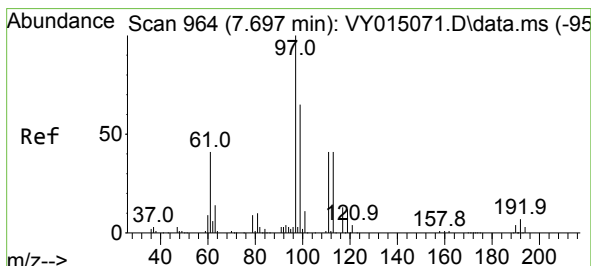
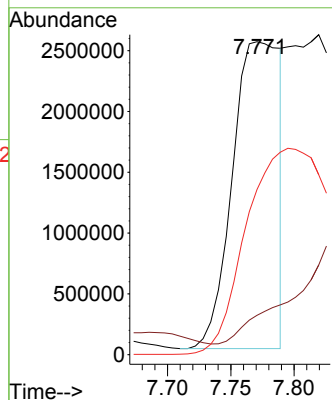
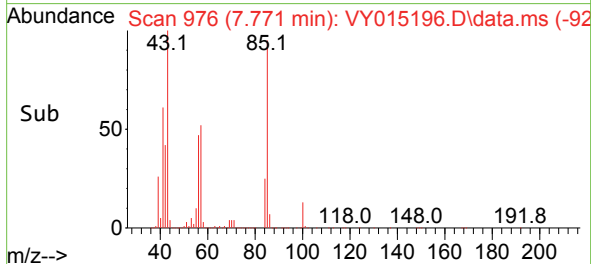


#31
Cyclohexane
Concen: 13277.532 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

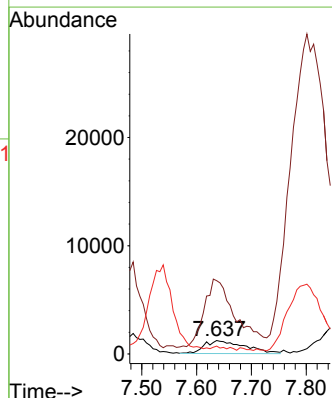
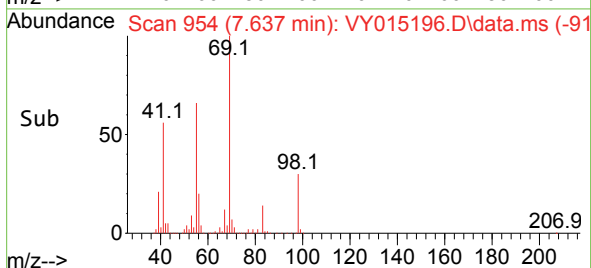
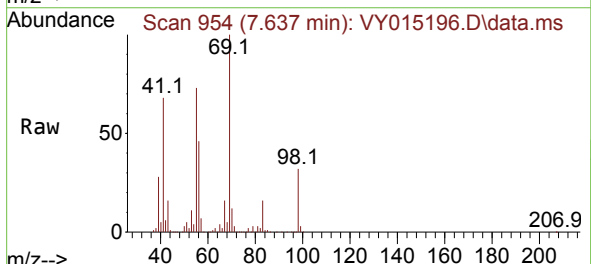


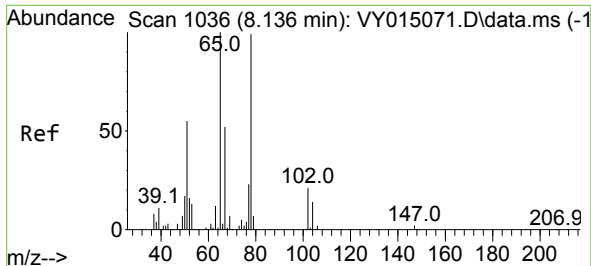
Tgt Ion: 56 Resp: 6590211
Ion Ratio Lower Upper
56 100
69 6.8 27.8 41.6#
84 53.6 66.4 99.6#



#32
1,1,1-Trichloroethane
Concen: 7.913 ug/l
RT: 7.637 min Scan# 954
Delta R.T. -0.061 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 97 Resp: 6136
Ion Ratio Lower Upper
97 100
99 427.9 50.8 76.2#
61 0.0 35.1 52.7#





#33

1,2-Dichloroethane-d4

Concen: 35.355 ug/l

RT: 8.149 min Scan# 1036

Delta R.T. 0.012 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

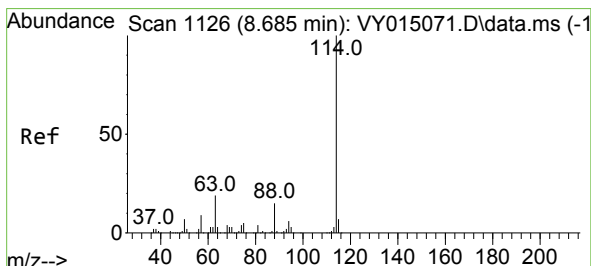
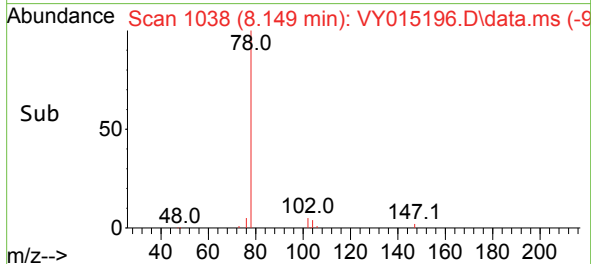
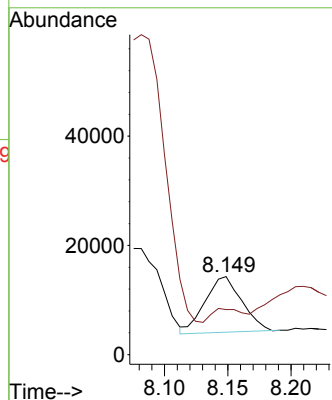
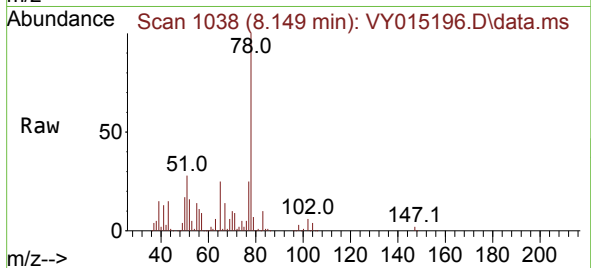
ClientSampleId :

Tgt Ion: 65 Resp: 20699

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

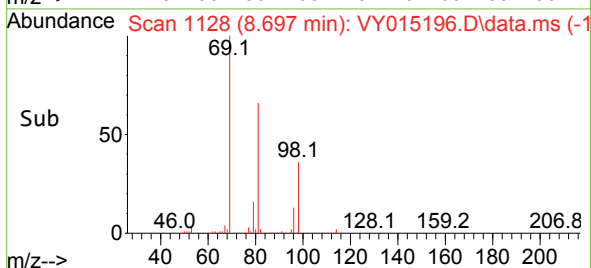
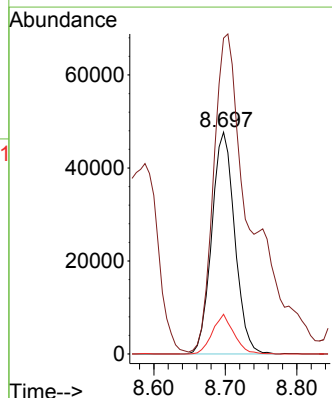
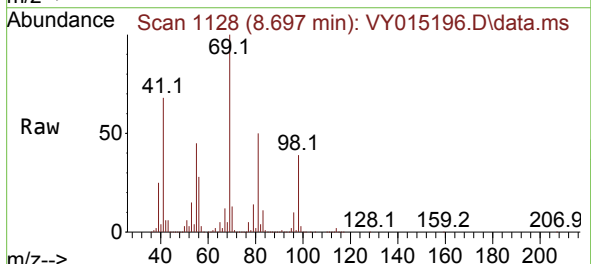
Tgt Ion:114 Resp: 106363

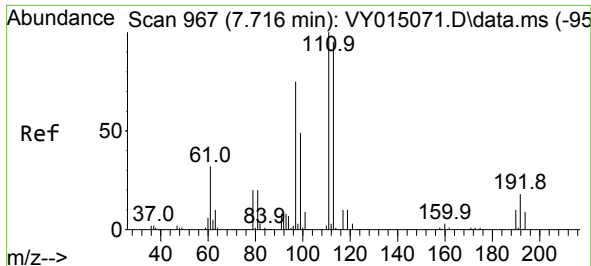
Ion Ratio Lower Upper

114 100

63 140.5 0.0 42.4#

88 17.9 0.0 30.6

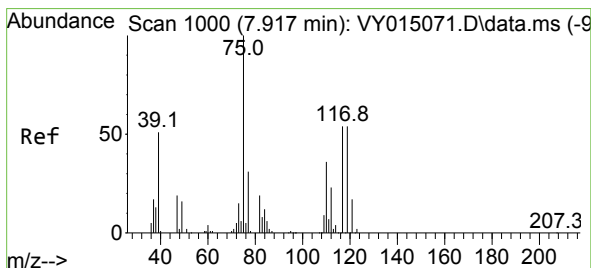
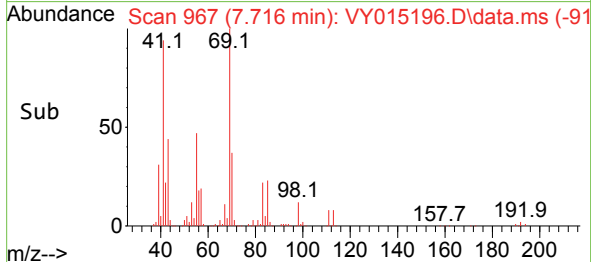
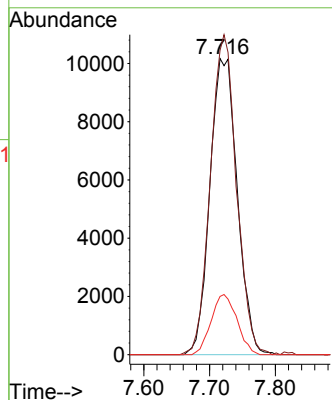
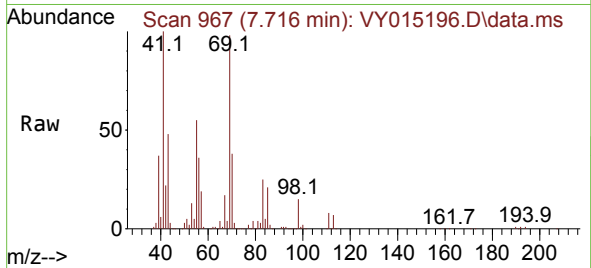




#35
Dibromofluoromethane
Concen: 43.123 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

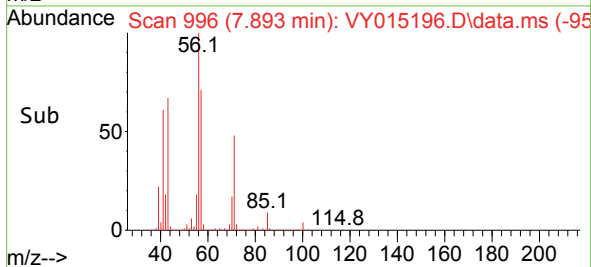
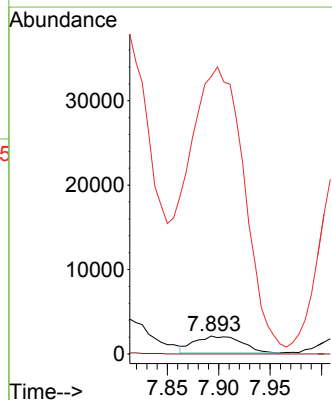
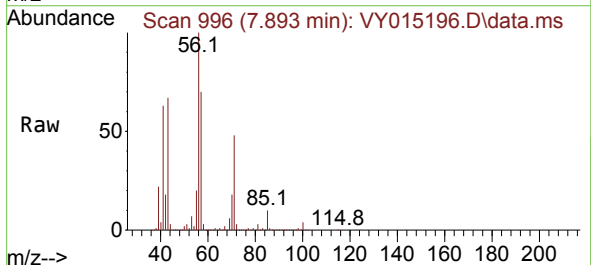
Instrument :
MSVOA_Y
ClientSampleId :

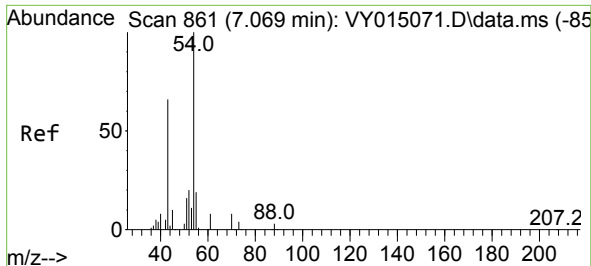
Tgt Ion:113 Resp: 29508
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 8.234 ug/l
RT: 7.893 min Scan# 996
Delta R.T. -0.018 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 75 Resp: 6233
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 1951.6 24.4 36.6#





#37

Ethyl Acetate

Concen: 1100.939 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

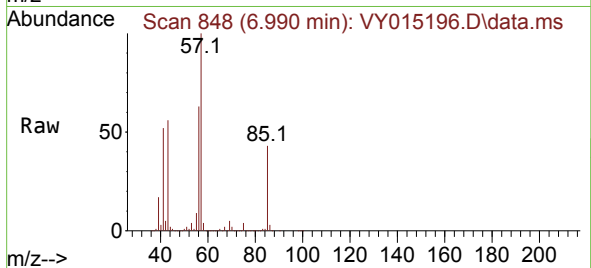
Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :



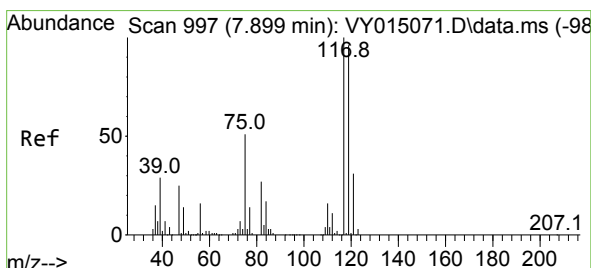
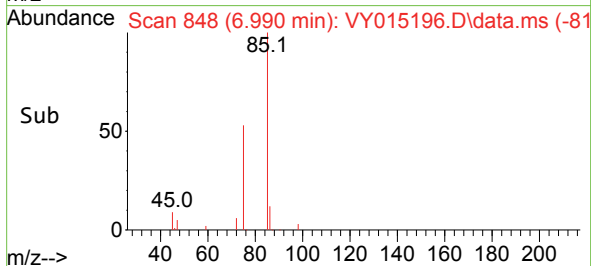
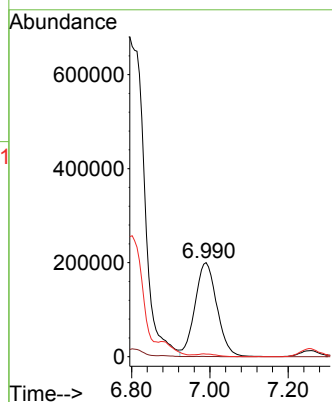
Tgt Ion: 43 Resp: 776860

Ion Ratio Lower Upper

43 100

61 0.2 10.1 15.1#

70 2.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.079 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

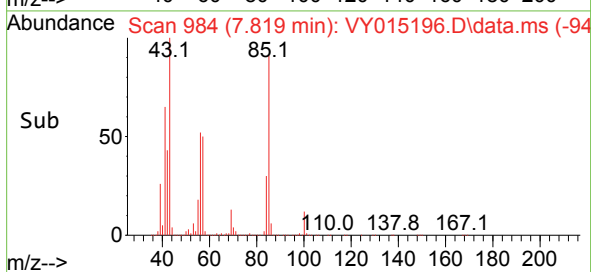
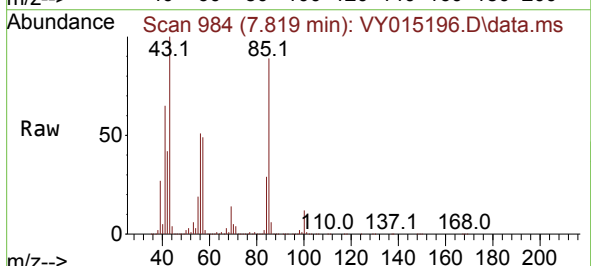
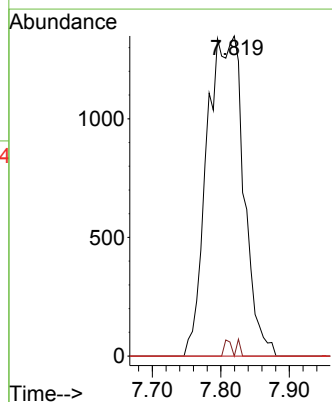
Tgt Ion: 117 Resp: 5025

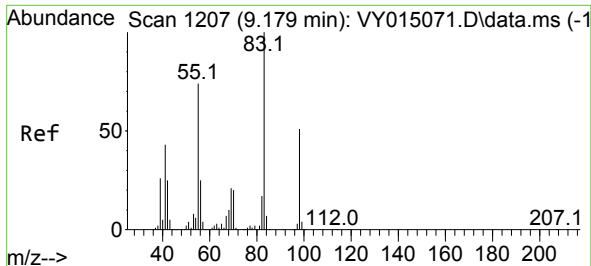
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 15153.684 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

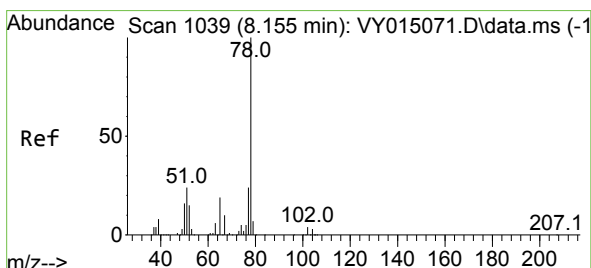
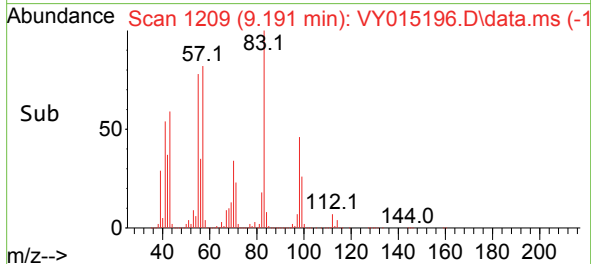
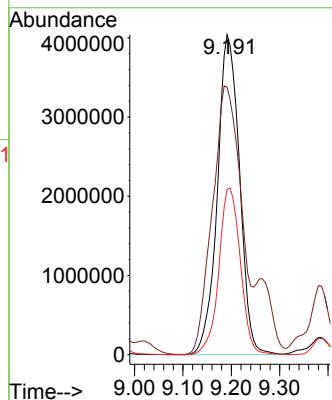
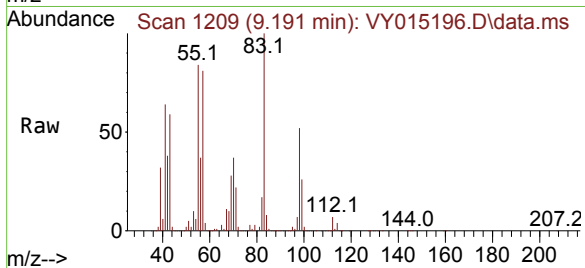
Tgt Ion: 83 Resp:12860133

Ion Ratio Lower Upper

83 100

55 83.5 63.0 94.4

98 51.6 37.4 56.2



#40

Benzene

Concen: 124.069 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY015196.D

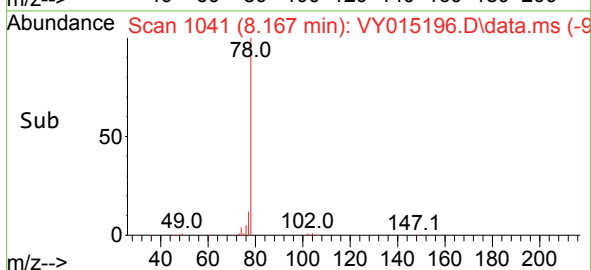
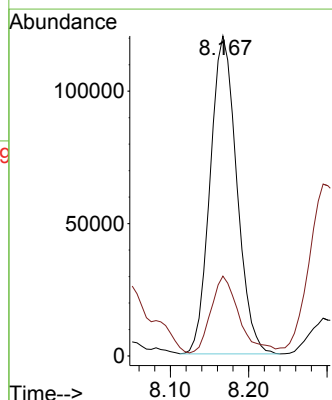
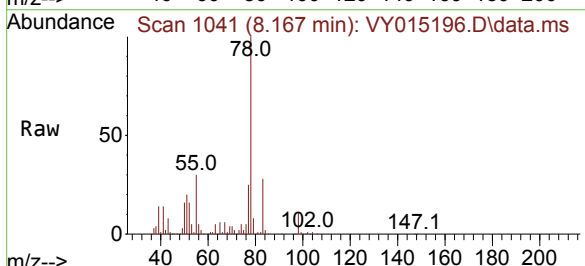
Acq: 18 Aug 2023 15:24

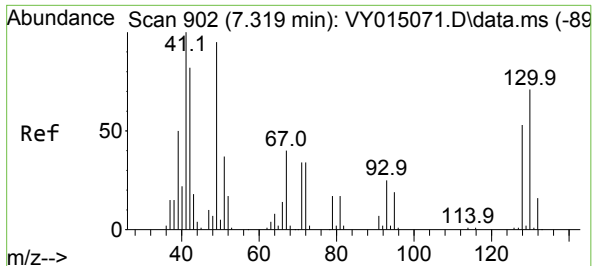
Tgt Ion: 78 Resp: 283961

Ion Ratio Lower Upper

78 100

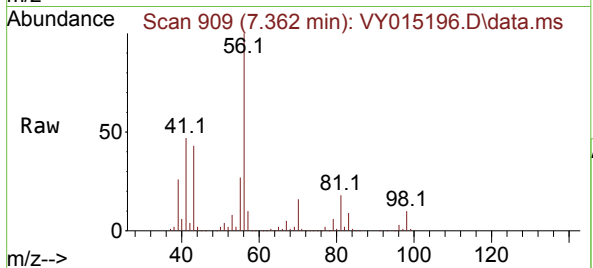
77 22.6 19.0 28.6



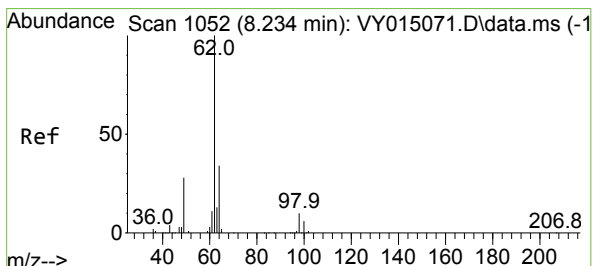
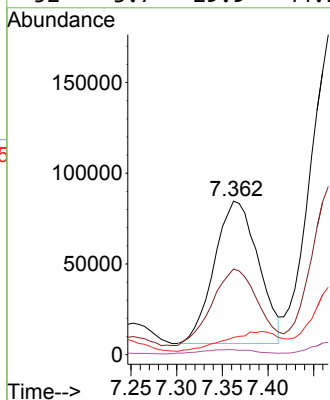
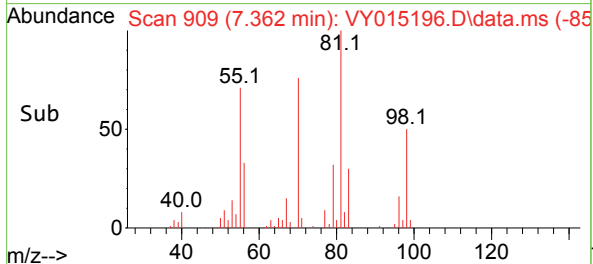


#41
Methacrylonitrile
Concen: 722.411 ug/l
RT: 7.362 min Scan# 902
Delta R.T. 0.055 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

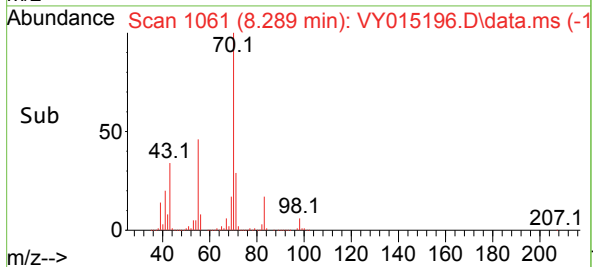
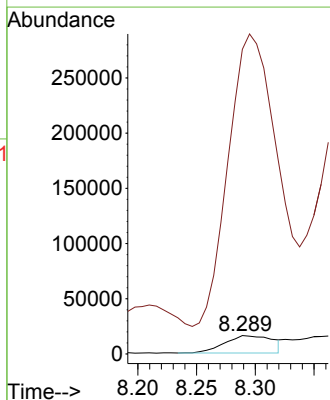
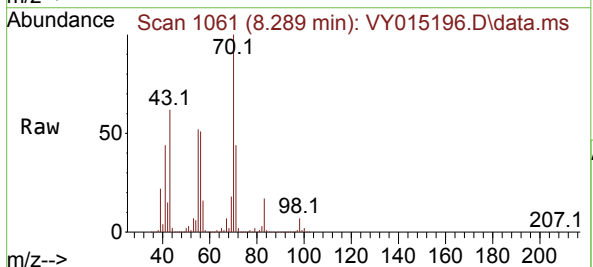


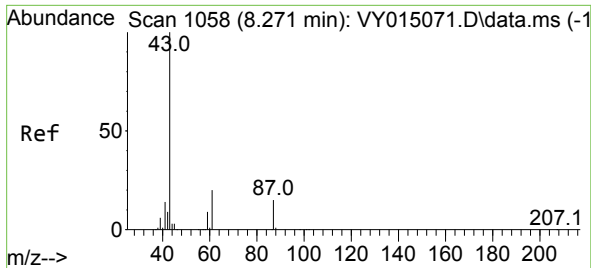
Tgt Ion:	41	Resp:	262857
Ion	Ratio	Lower	Upper
41	100		
39	56.6	52.1	78.1
67	0.0	66.2	99.2#
52	3.7	29.9	44.9#



#42
1,2-Dichloroethane
Concen: 54.011 ug/l
RT: 8.289 min Scan# 1061
Delta R.T. 0.055 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

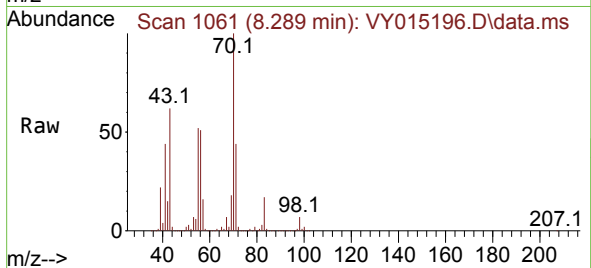
Tgt Ion:	62	Resp:	44895
Ion	Ratio	Lower	Upper
62	100		
98	1766.2	0.0	15.8#



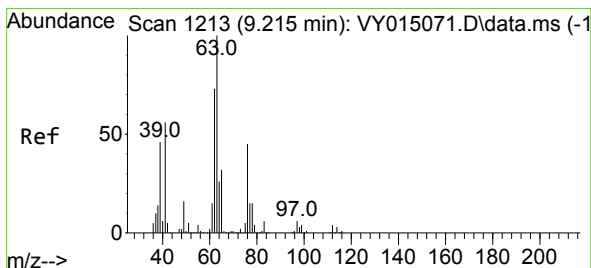
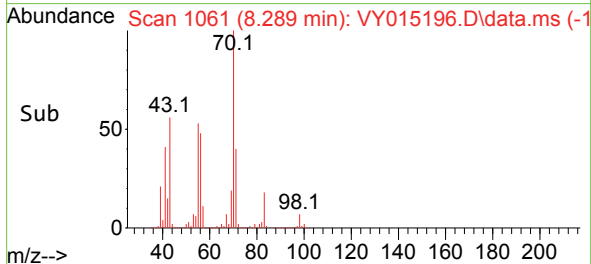
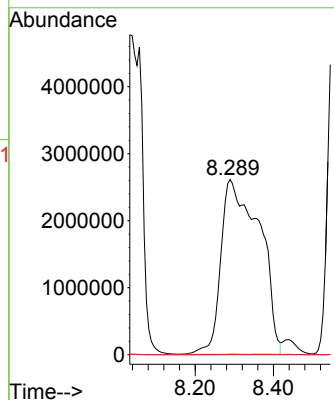


#43
Isopropyl Acetate
Concen: 13921.804 ug/l
RT: 8.289 min Scan# 1061
Delta R.T. 0.018 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

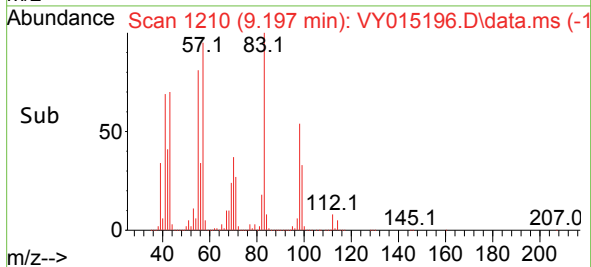
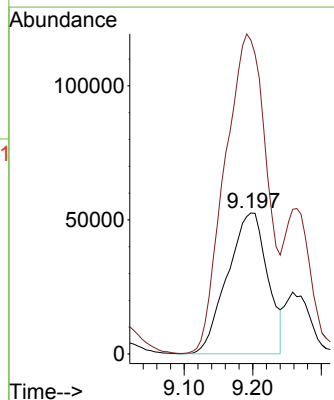
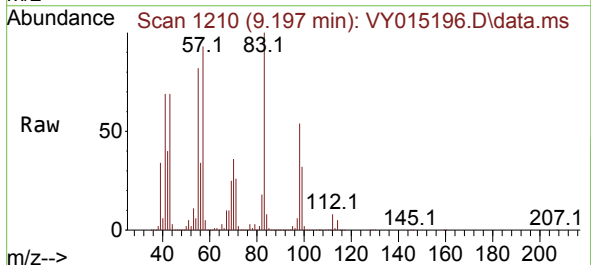


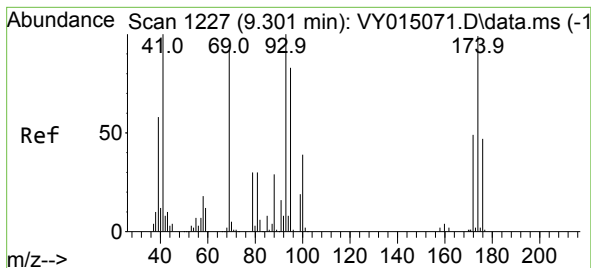
Tgt Ion: 43 Resp:17889555
Ion Ratio Lower Upper
43 100
61 0.1 21.1 31.7#
87 0.0 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 330.381 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. -0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 63 Resp: 213225
Ion Ratio Lower Upper
63 100
65 222.6 23.8 35.6#





#46

Dibromomethane

Concen: 3.164 ug/l

RT: 9.344 min Scan# 1234

Delta R.T. 0.043 min

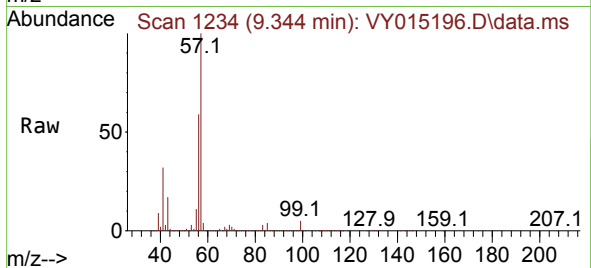
Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :



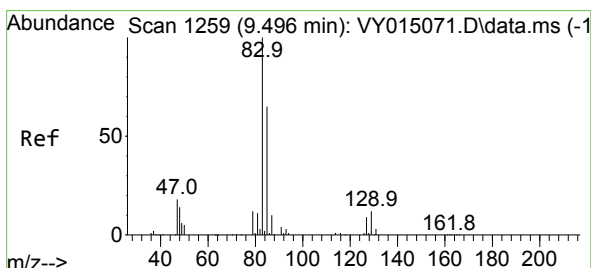
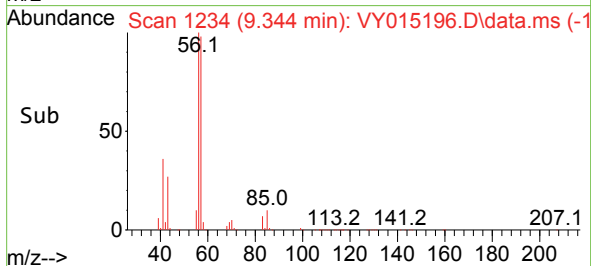
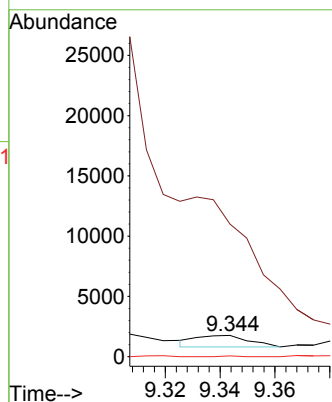
Tgt Ion: 93 Resp: 1288

Ion Ratio Lower Upper

93 100

95 0.0 66.6 100.0#

174 1.9 84.8 127.2#



#47

Bromodichloromethane

Concen: 1012.126 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

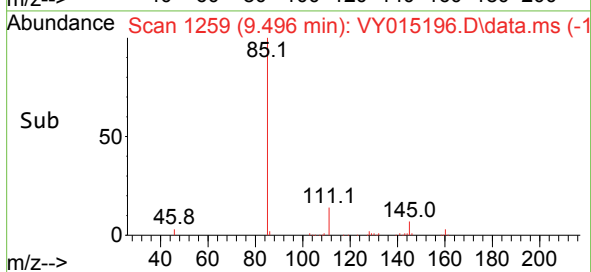
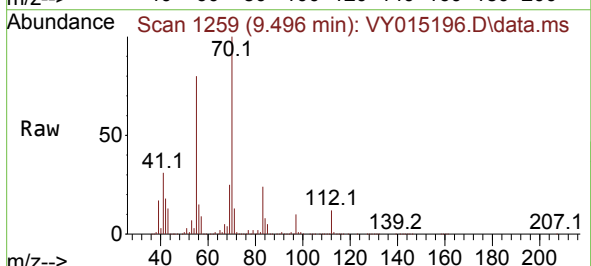
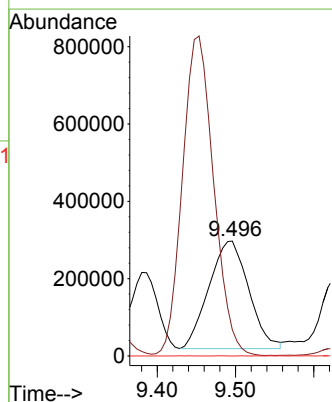
Tgt Ion: 83 Resp: 983109

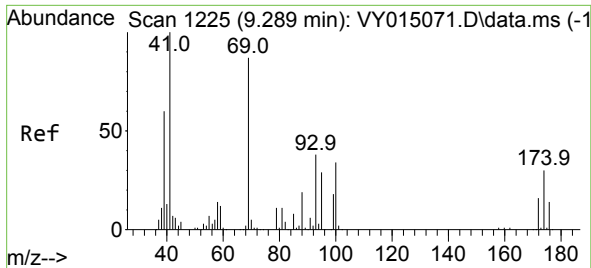
Ion Ratio Lower Upper

83 100

85 23.6 50.1 75.1#

127 0.0 7.1 10.7#

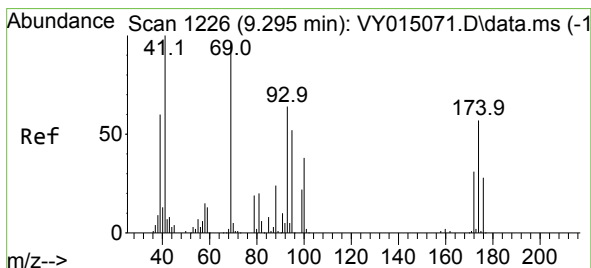
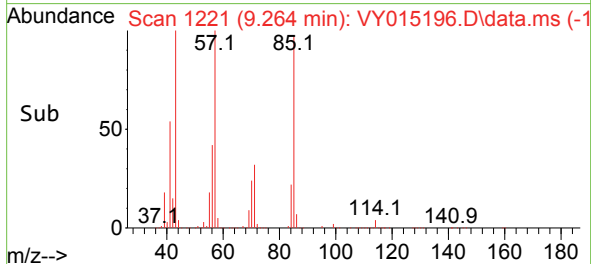
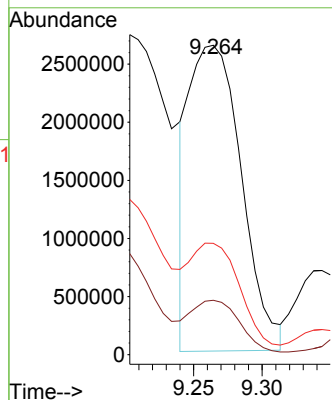
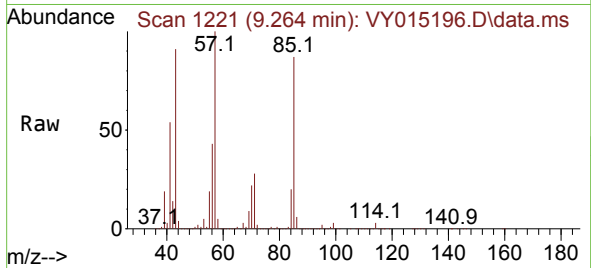




#48
Methyl methacrylate
Concen: 12744.823 ug/l
RT: 9.264 min Scan# 1219
Delta R.T. -0.024 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

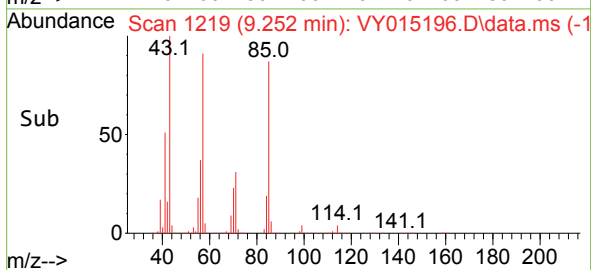
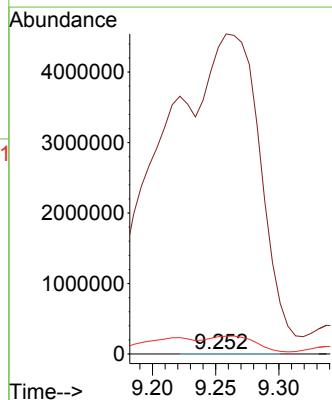
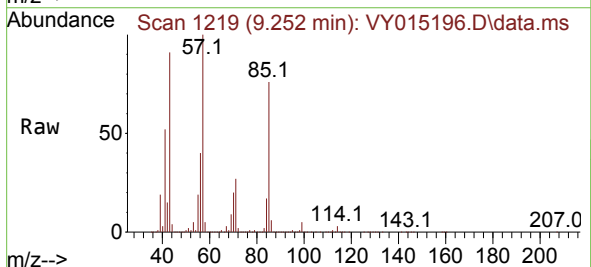
Instrument :
MSVOA_Y
ClientSampleId :

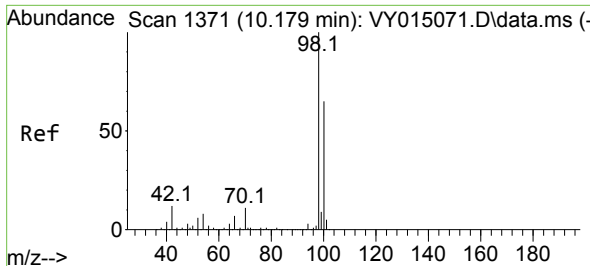
Tgt Ion: 41 Resp: 7005772
Ion Ratio Lower Upper
41 100
69 15.8 64.5 96.7#
39 30.6 50.8 76.2#



#49
1,4-Dioxane
Concen: 73.713 ug/l
RT: 9.252 min Scan# 1219
Delta R.T. -0.043 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 88 Resp: 600
Ion Ratio Lower Upper
88 100
43 2084906.0 0.0 0.0#
58 109388.5 30.9 46.3#

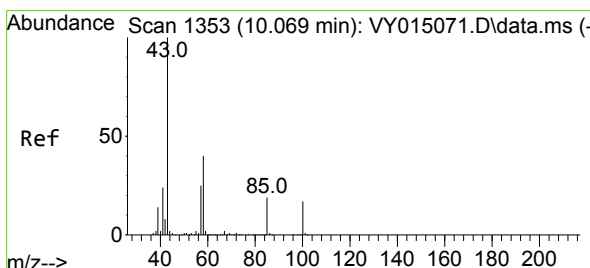
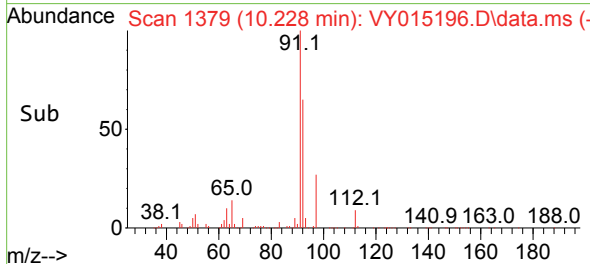
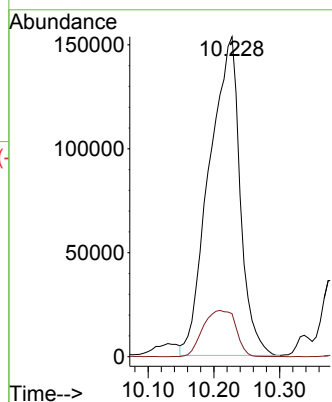
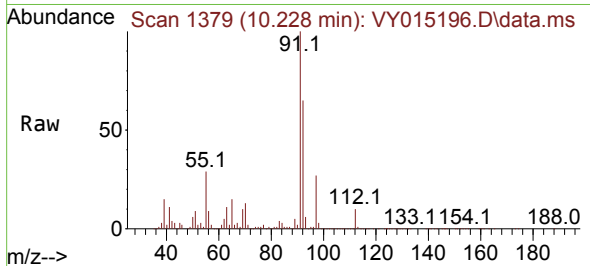




#50
Toluene-d8
Concen: 196.280 ug/l
RT: 10.228 min Scan# 11
Delta R.T. 0.049 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

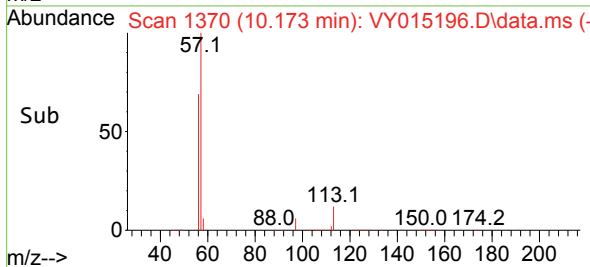
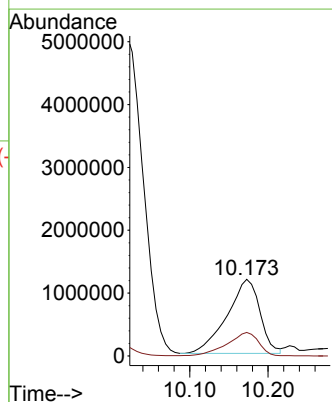
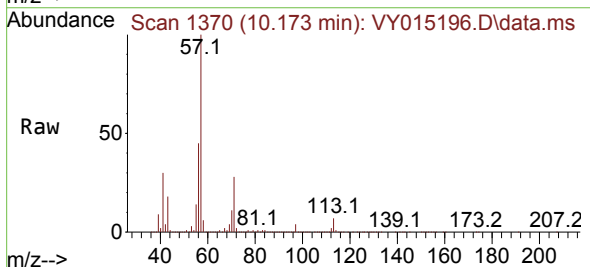
Instrument :
MSVOA_Y
ClientSampleId :

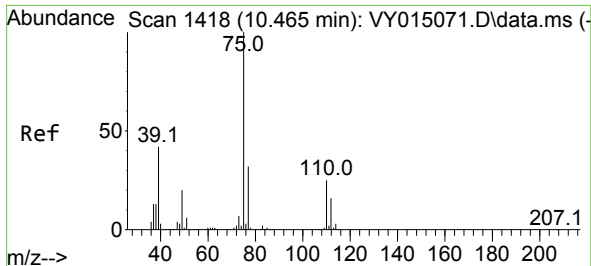
Tgt Ion: 98 Resp: 499973
Ion Ratio Lower Upper
98 100
100 15.5 50.1 75.1#



#51
4-Methyl-2-Pentanone
Concen: 4641.535 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

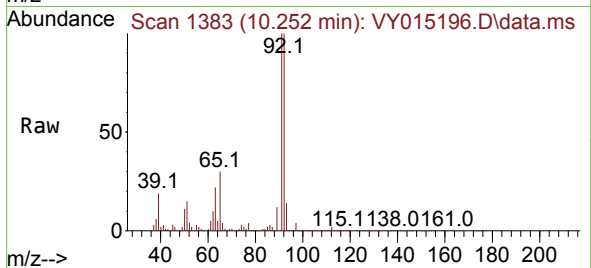
Tgt Ion: 43 Resp: 3456713
Ion Ratio Lower Upper
43 100
58 30.7 29.0 43.6



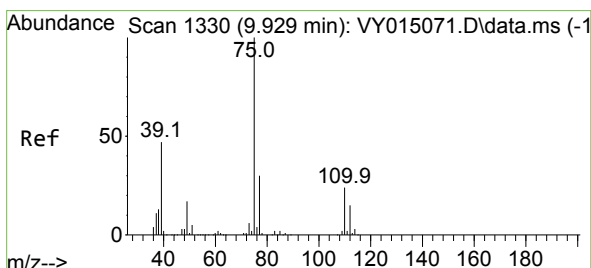
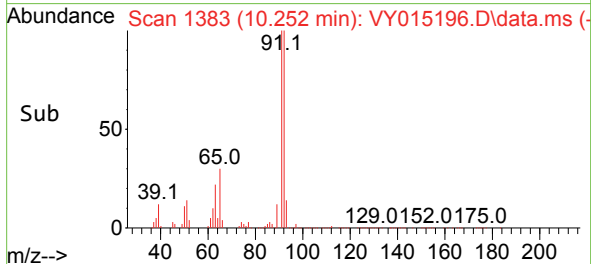
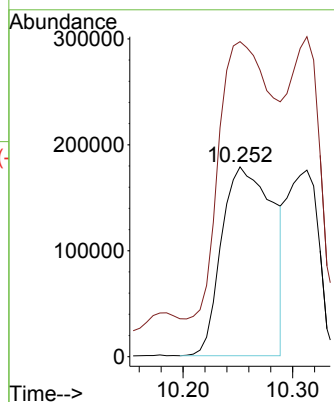


#53
 t-1,3-Dichloropropene
 Concen: 570.737 ug/l
 RT: 10.252 min Scan# 1383
 Delta R.T. -0.213 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :

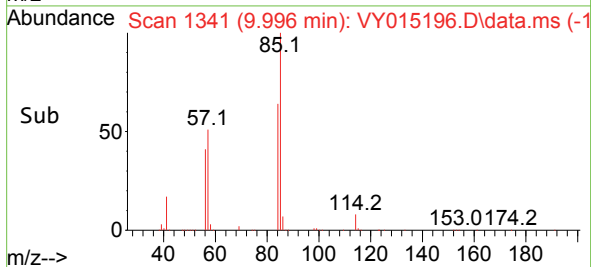
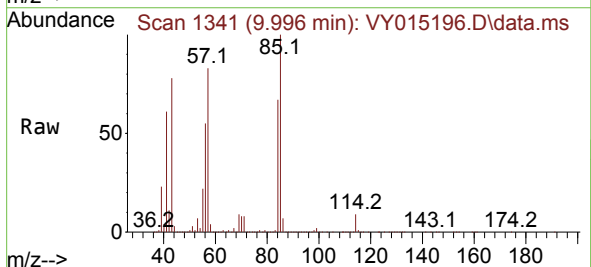
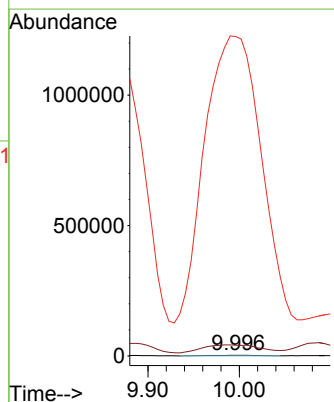


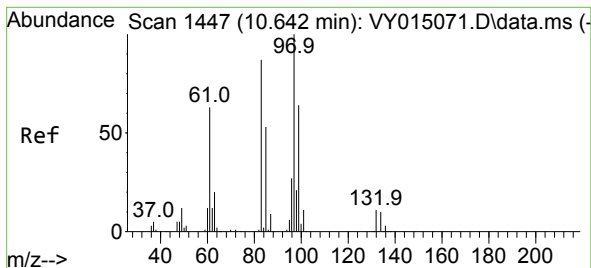
Tgt Ion: 75 Resp: 582612
 Ion Ratio Lower Upper
 75 100
 77 146.9 25.0 37.4#



#54
 cis-1,3-Dichloropropene
 Concen: 7.530 ug/l
 RT: 9.996 min Scan# 1341
 Delta R.T. 0.073 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

Tgt Ion: 75 Resp: 8095
 Ion Ratio Lower Upper
 75 100
 77 1304.4 24.2 36.4#
 39 47546.5 42.2 63.4#

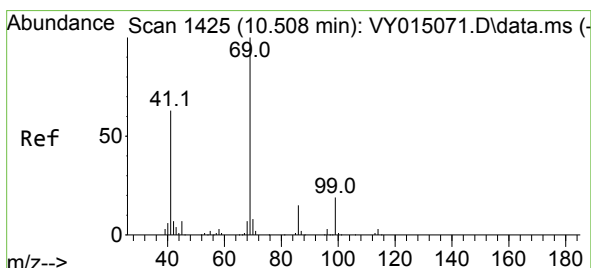
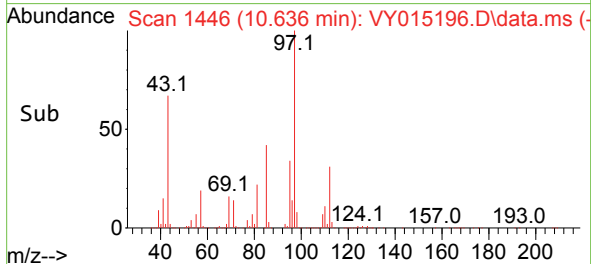
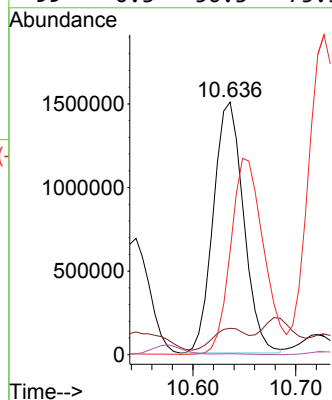
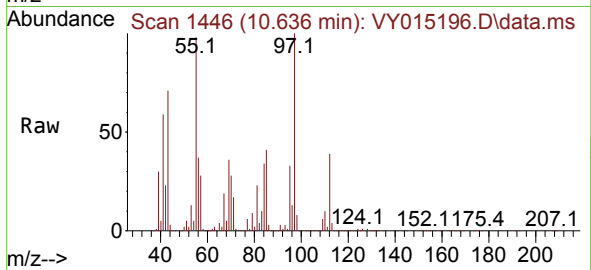




#55
 1,1,2-Trichloroethane
 Concen: 4956.861 ug/l
 RT: 10.636 min Scan# 1446
 Delta R.T. -0.006 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

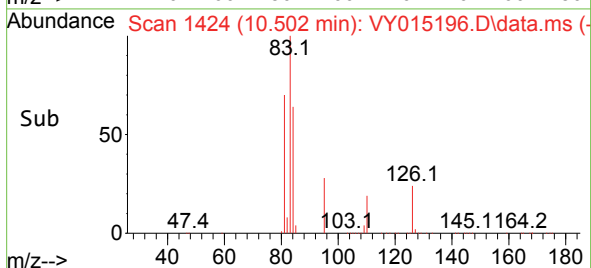
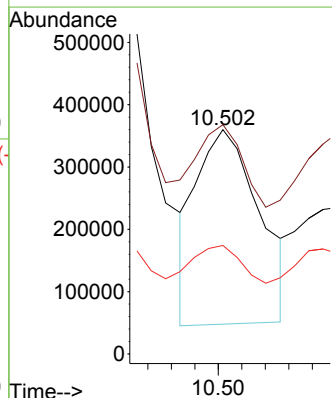
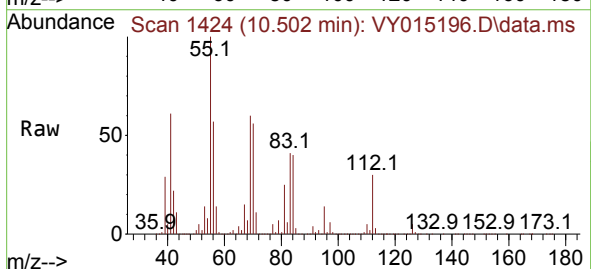
Instrument :
 MSVOA_Y
 ClientSampleId :

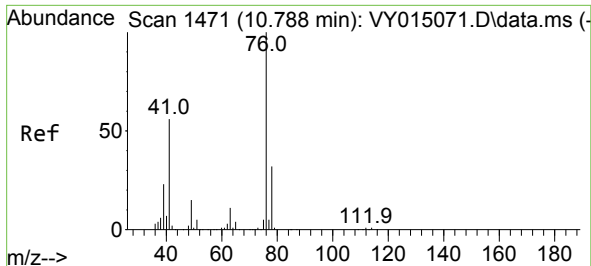
Tgt Ion: 97 Resp: 3067936
 Ion Ratio Lower Upper
 97 100
 83 7.5 72.0 108.0#
 85 41.0 45.4 68.0#
 99 0.3 50.3 75.5#



#56
 Ethyl methacrylate
 Concen: 642.147 ug/l
 RT: 10.502 min Scan# 1424
 Delta R.T. -0.006 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

Tgt Ion: 69 Resp: 581654
 Ion Ratio Lower Upper
 69 100
 41 58.6 57.6 86.4
 39 0.0 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 1.242 ug/l

RT: 10.813 min Scan# 1471

Delta R.T. 0.025 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

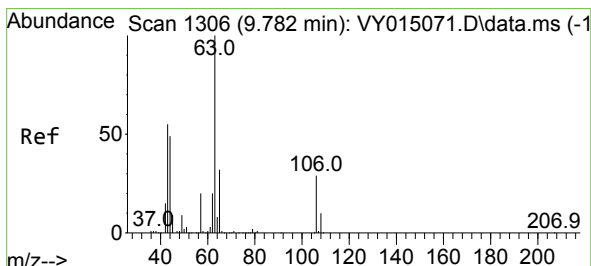
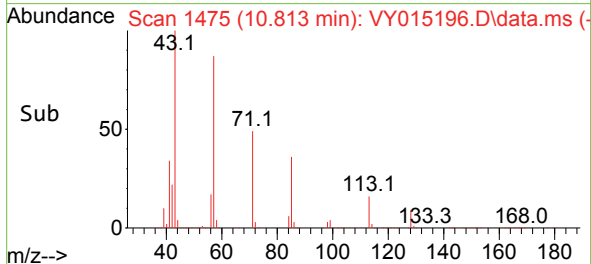
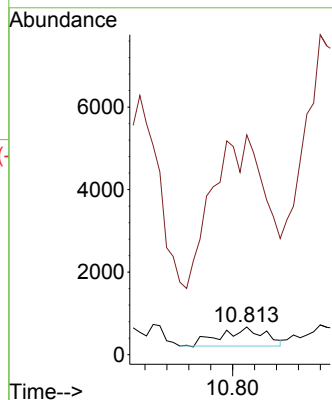
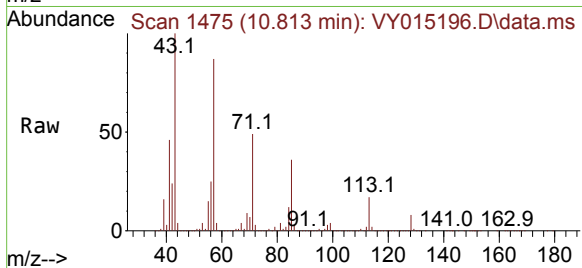
ClientSampleId :

Tgt Ion: 76 Resp: 1256

Ion Ratio Lower Upper

76 100

78 552.7 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 169.419 ug/l

RT: 9.734 min Scan# 1298

Delta R.T. -0.043 min

Lab File: VY015196.D

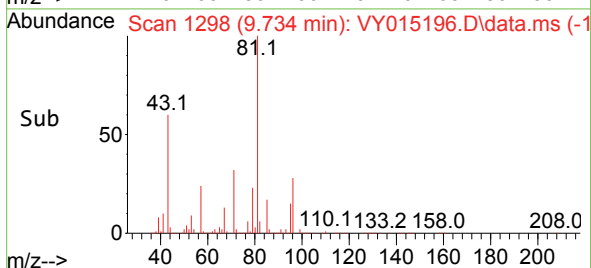
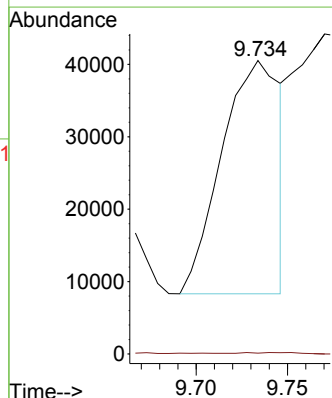
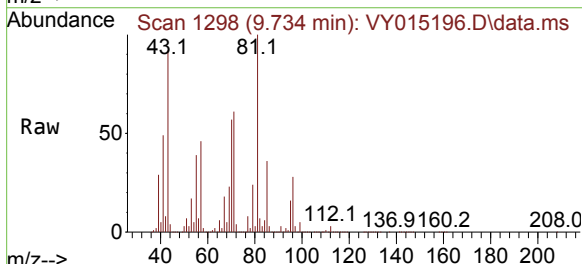
Acq: 18 Aug 2023 15:24

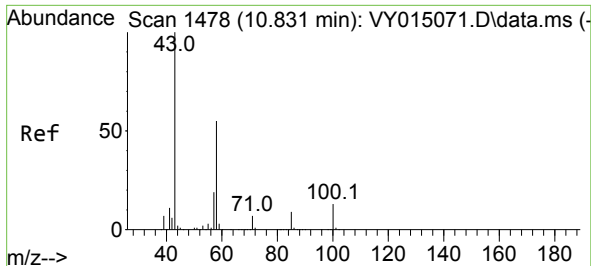
Tgt Ion: 63 Resp: 71416

Ion Ratio Lower Upper

63 100

106 0.6 21.2 31.8#

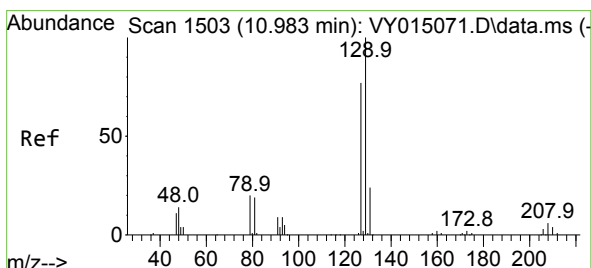
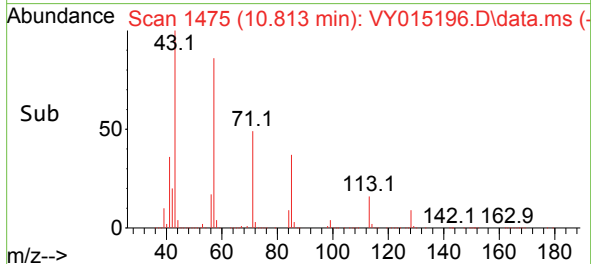
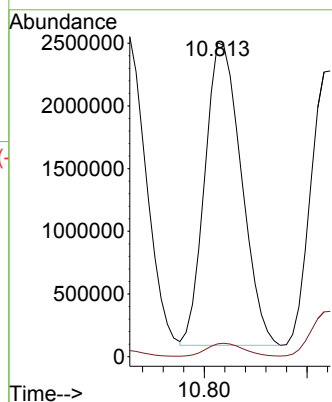
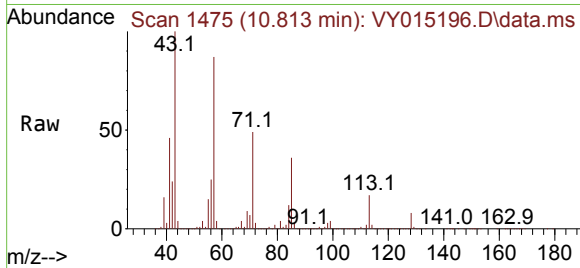




#59
2-Hexanone
Concen: 10813.515 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

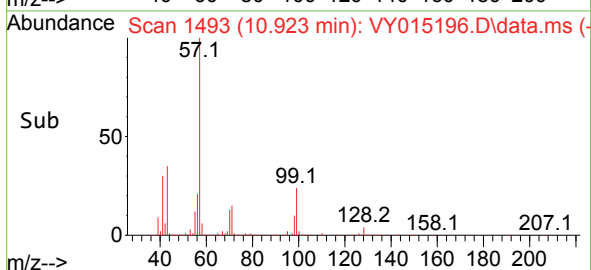
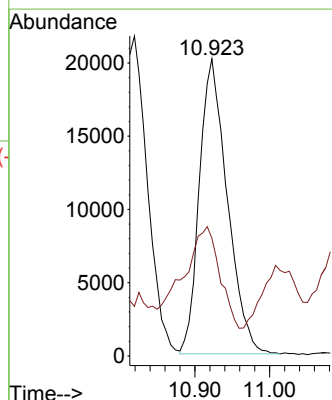
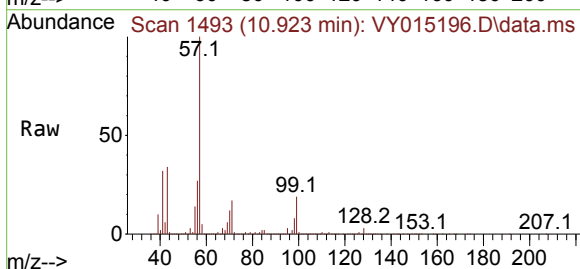
Instrument :
MSVOA_Y
ClientSampleId :

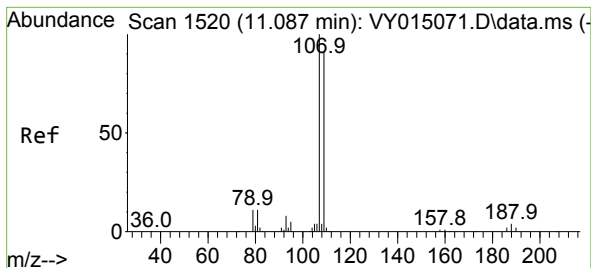
Tgt Ion: 43 Resp: 5960227
Ion Ratio Lower Upper
43 100
58 4.3 25.1 75.3#



#60
Dibromochloromethane
Concen: 70.875 ug/l
RT: 10.923 min Scan# 1493
Delta R.T. -0.061 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion:129 Resp: 52327
Ion Ratio Lower Upper
129 100
127 44.7 38.5 115.5

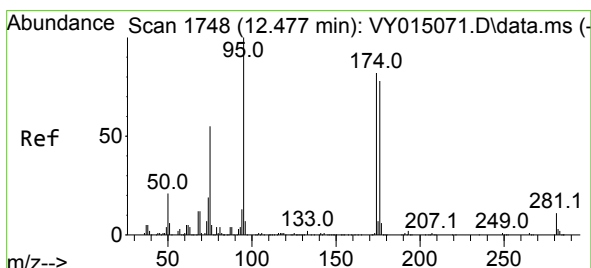
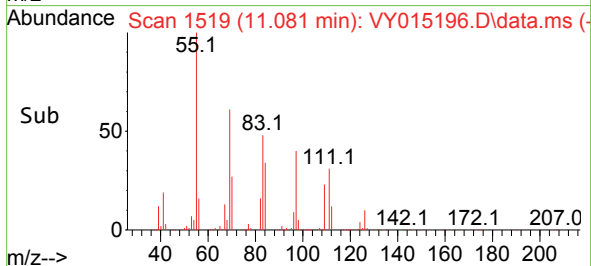
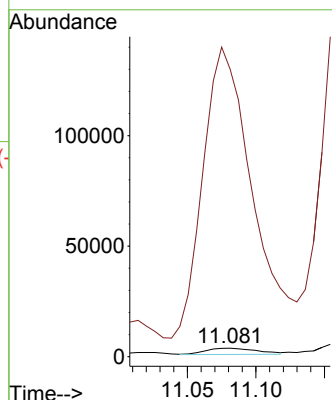
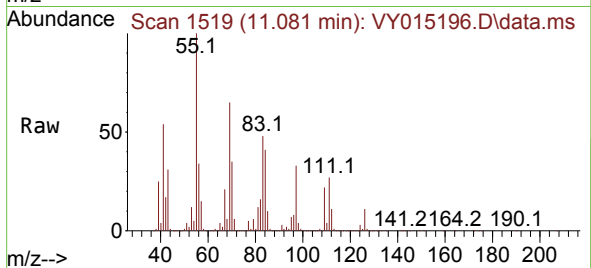




#61
1,2-Dibromoethane
Concen: 12.756 ug/l
RT: 11.081 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

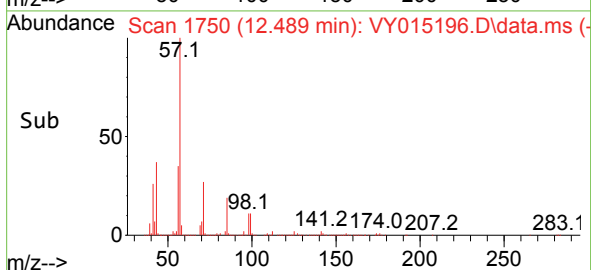
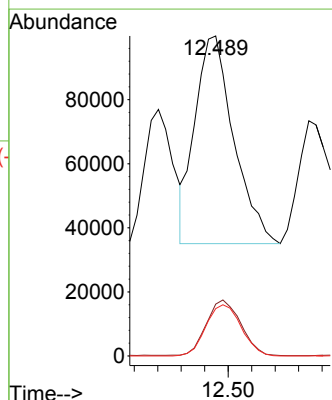
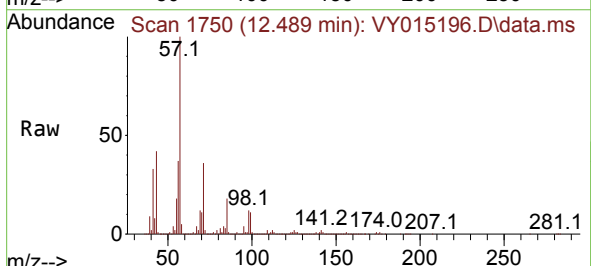
Instrument :
MSVOA_Y
ClientSampleId :

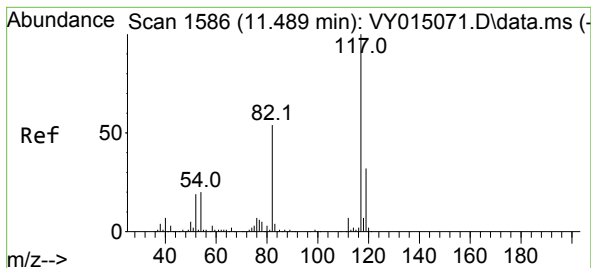
Tgt Ion:107 Resp: 7500
Ion Ratio Lower Upper
107 100
109 4402.0 75.6 113.4#



#62
4-Bromofluorobenzene
Concen: 159.670 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 95 Resp: 148553
Ion Ratio Lower Upper
95 100
174 24.0 0.0 178.2
176 22.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

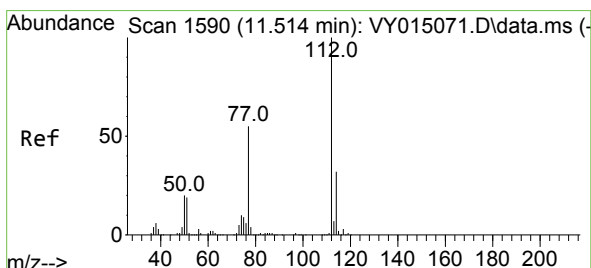
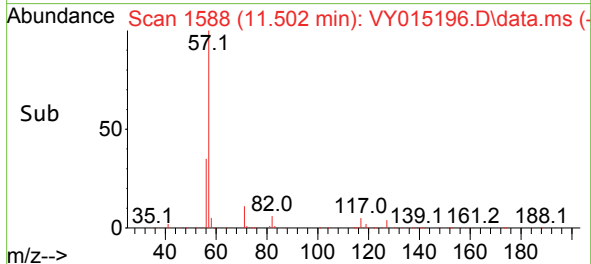
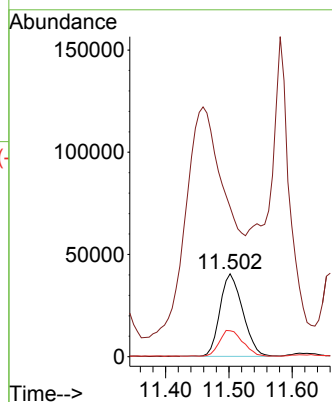
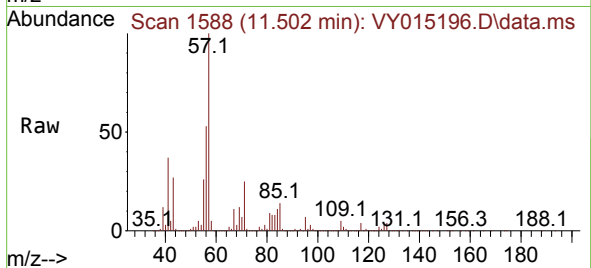
Tgt Ion:117 Resp: 100818

Ion Ratio Lower Upper

117 100

82 71.4 43.4 65.0#

119 30.8 26.3 39.5



#65

Chlorobenzene

Concen: 71.926 ug/l

RT: 11.422 min Scan# 1575

Delta R.T. -0.091 min

Lab File: VY015196.D

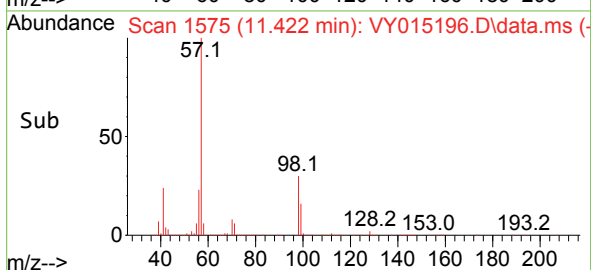
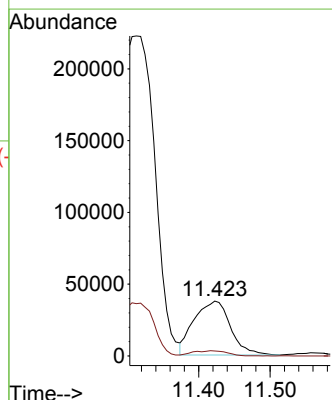
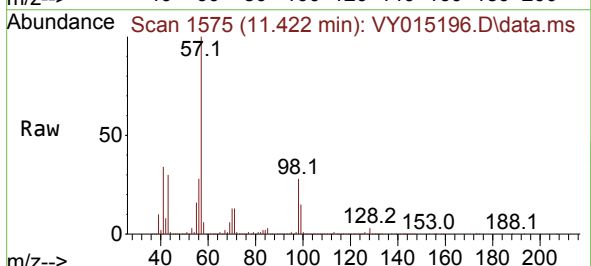
Acq: 18 Aug 2023 15:24

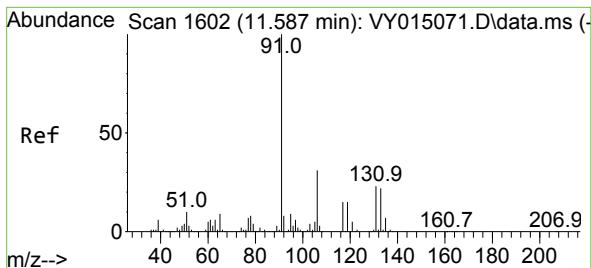
Tgt Ion:112 Resp: 132122

Ion Ratio Lower Upper

112 100

114 9.0 25.5 38.3#

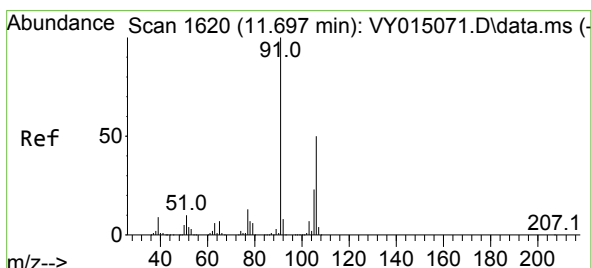
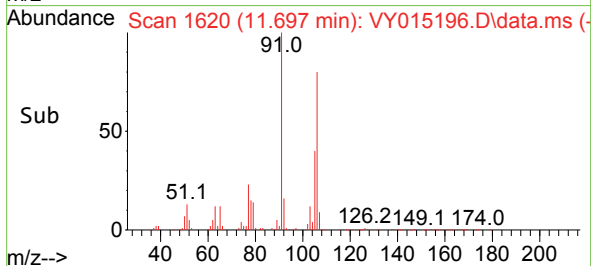
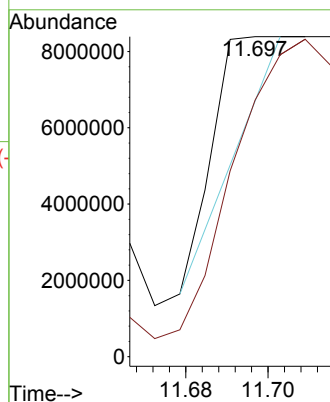
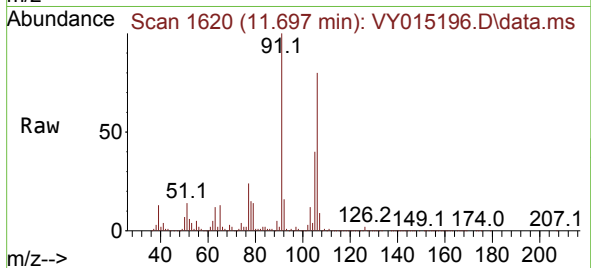




#67
Ethyl Benzene
Concen: 1102.480 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.110 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

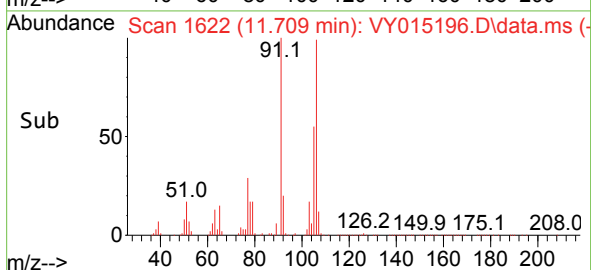
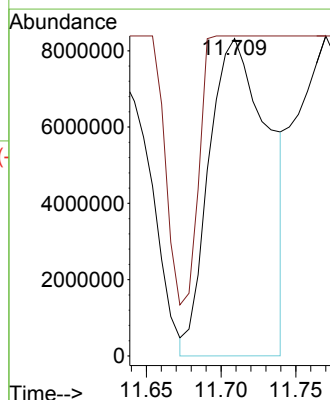
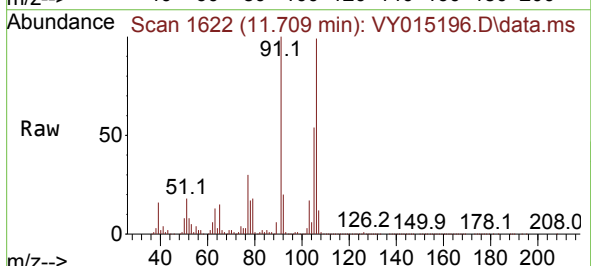
Instrument :
MSVOA_Y
ClientSampleId :

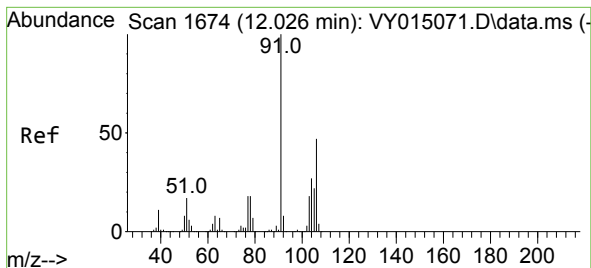
Tgt Ion: 91 Resp: 3548278
Ion Ratio Lower Upper
91 100
106 89.3 24.6 36.8#



#68
m/p-Xylenes
Concen: 18827.002 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion:106 Resp:23013690
Ion Ratio Lower Upper
106 100
91 15.4 166.1 249.1#

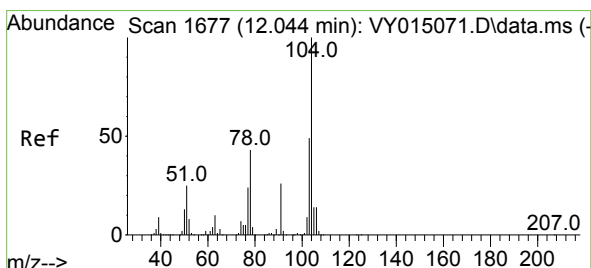
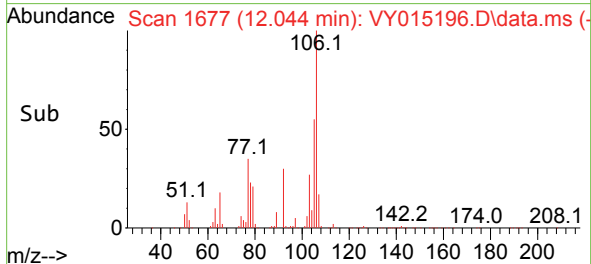
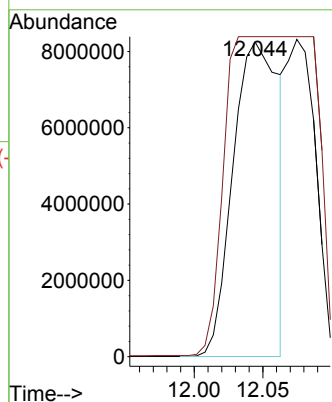
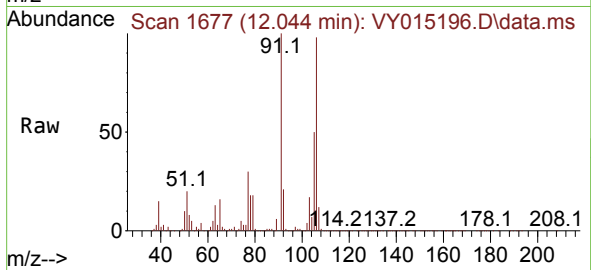




#69
o-Xylene
Concen: 15662.021 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.018 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

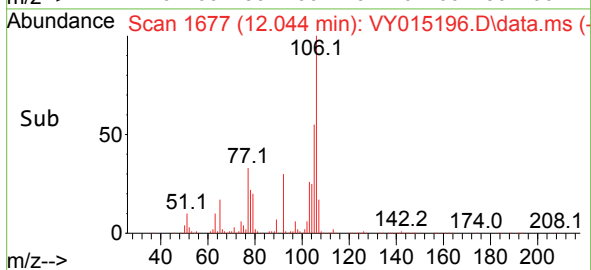
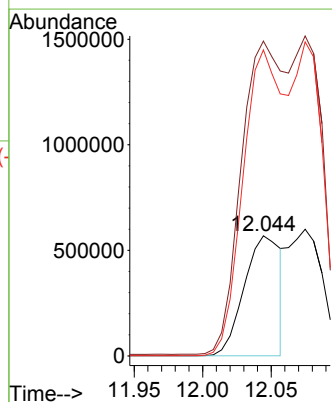
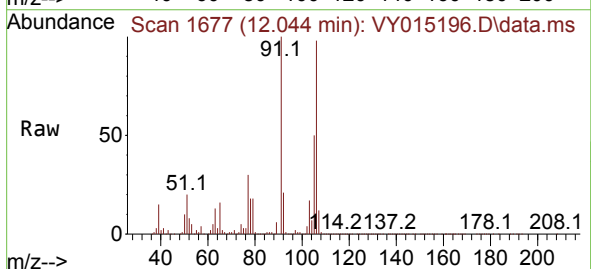
Instrument :
MSVOA_Y
ClientSampleId :

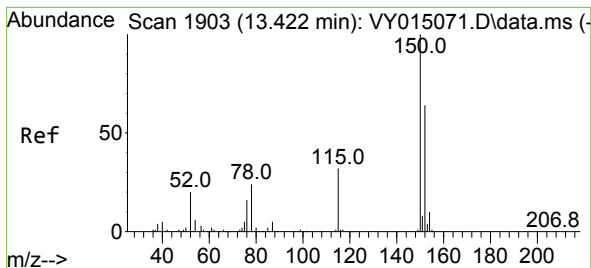
Tgt Ion:106 Resp:19071822
Ion Ratio Lower Upper
106 100
91 0.0 108.1 324.3#



#70
Styrene
Concen: 495.609 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

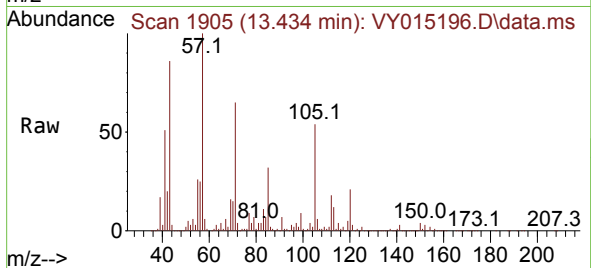
Tgt Ion:104 Resp: 1044532
Ion Ratio Lower Upper
104 100
78 330.5 41.5 62.3#
103 302.4 44.6 67.0#



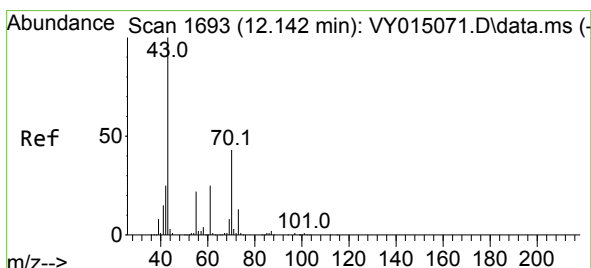
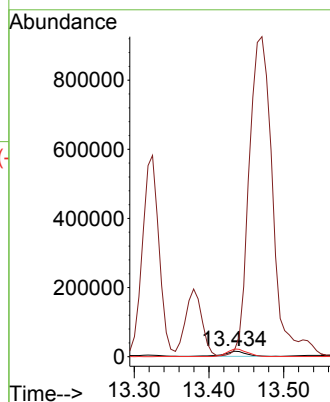
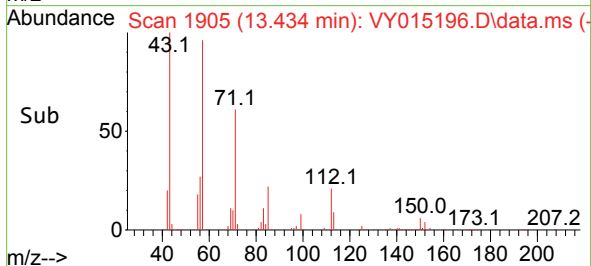


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :

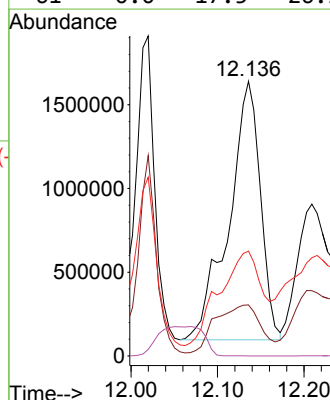
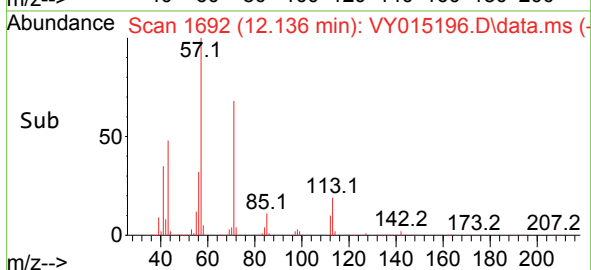
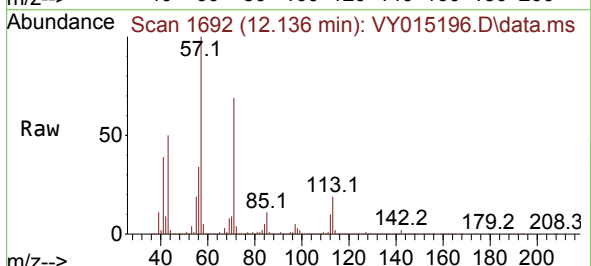


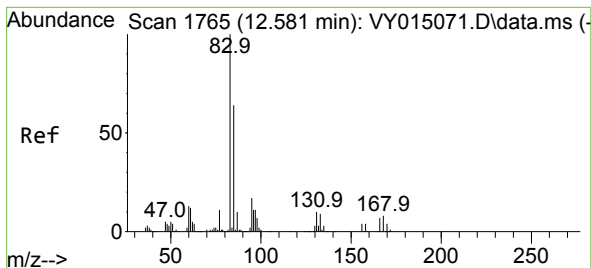
Tgt Ion:152 Resp: 31266
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 131.5 0.0 348.8



#74
N-ethyl acetate
Concen: 5387.245 ug/l
RT: 12.136 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 43 Resp: 3910562
Ion Ratio Lower Upper
43 100
70 26.4 29.7 44.5#
55 48.7 18.3 27.5#
61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 771.396 ug/l

RT: 12.556 min Scan# 1761

Delta R.T. -0.024 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

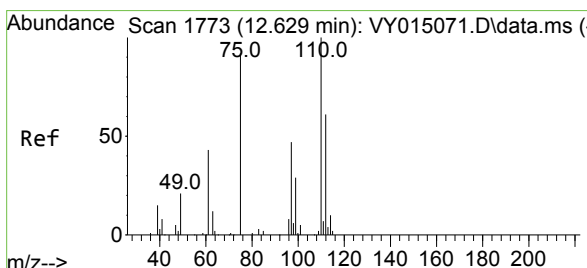
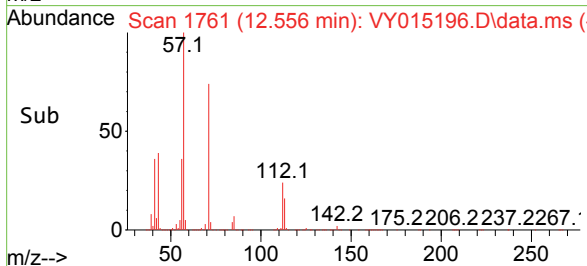
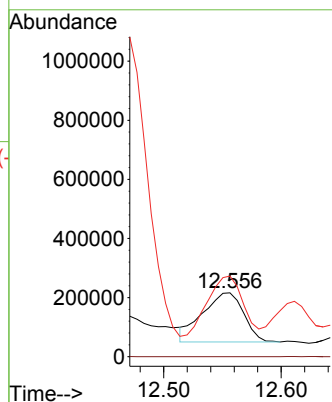
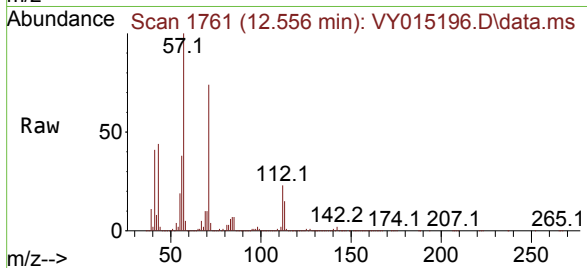
Tgt Ion: 83 Resp: 403924

Ion Ratio Lower Upper

83 100

131 0.1 5.4 16.2#

85 145.6 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 1563.988 ug/l

RT: 12.691 min Scan# 1783

Delta R.T. 0.061 min

Lab File: VY015196.D

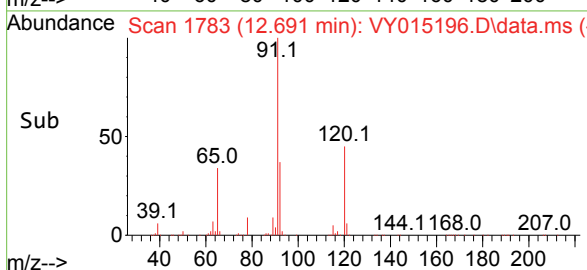
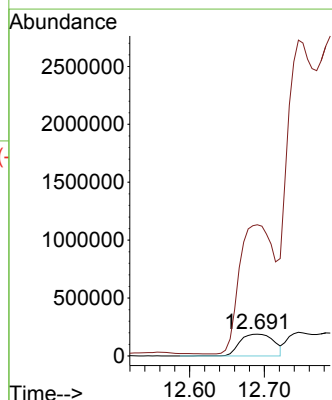
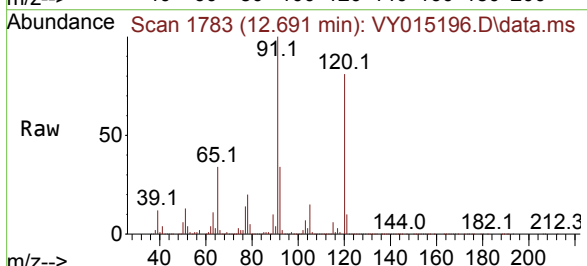
Acq: 18 Aug 2023 15:24

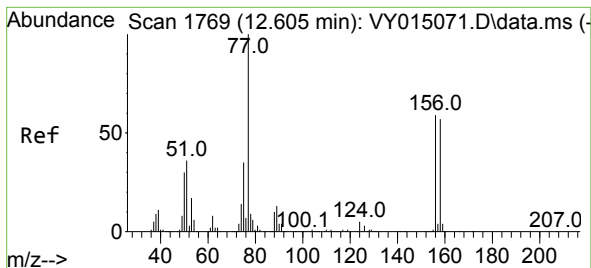
Tgt Ion: 75 Resp: 594094

Ion Ratio Lower Upper

75 100

77 581.5 0.0 0.0#





#77

Bromobenzene

Concen: 1218.804 ug/l

RT: 12.380 min Scan# 1

Delta R.T. -0.225 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

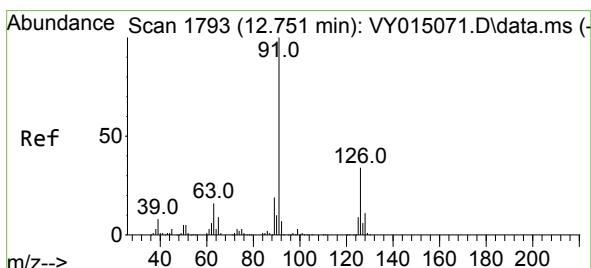
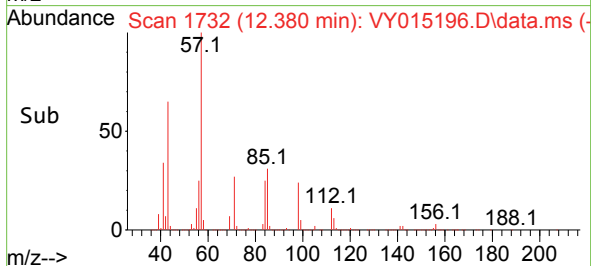
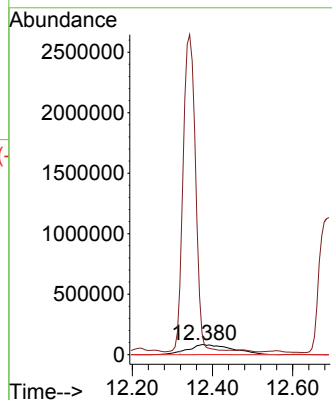
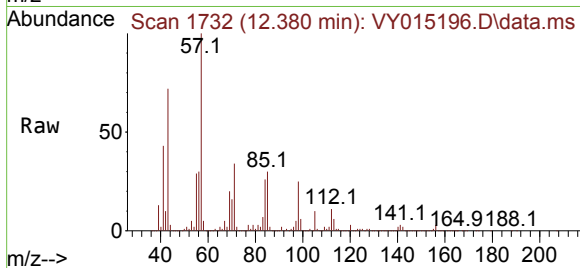
Tgt Ion:156 Resp: 597295

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.2 48.4 145.3#



#79

2-Chlorotoluene

Concen: 5564.367 ug/l

RT: 12.995 min Scan# 1833

Delta R.T. 0.244 min

Lab File: VY015196.D

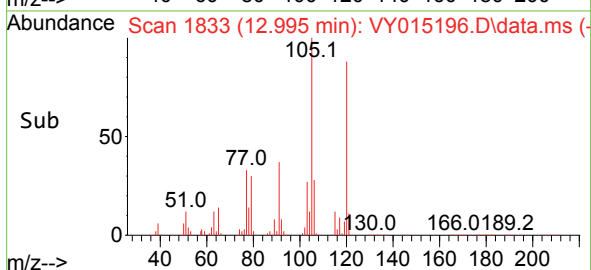
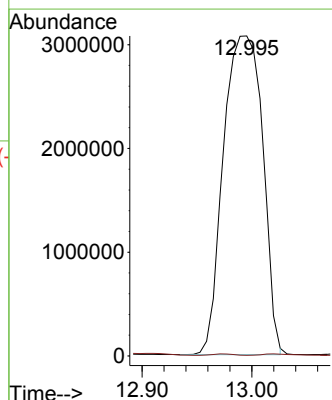
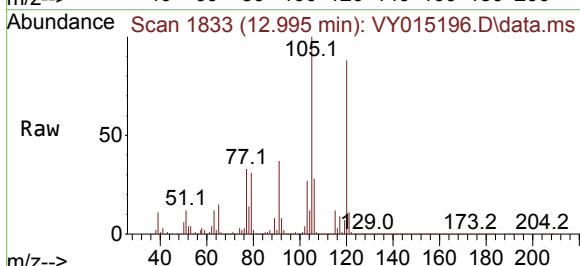
Acq: 18 Aug 2023 15:24

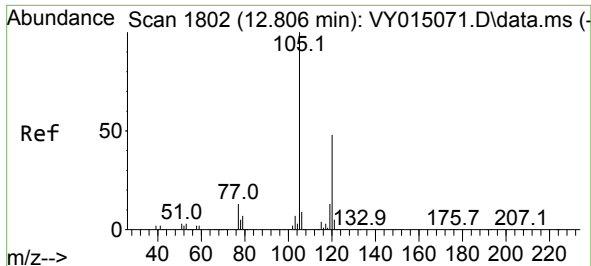
Tgt Ion: 91 Resp: 7663630

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#

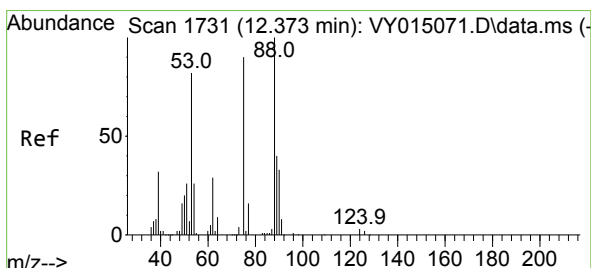
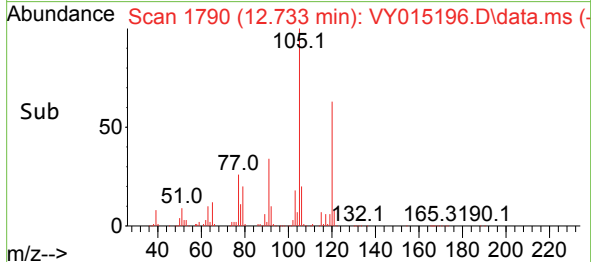
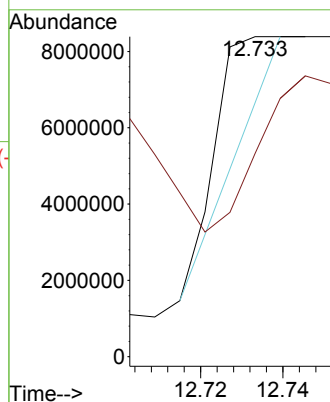
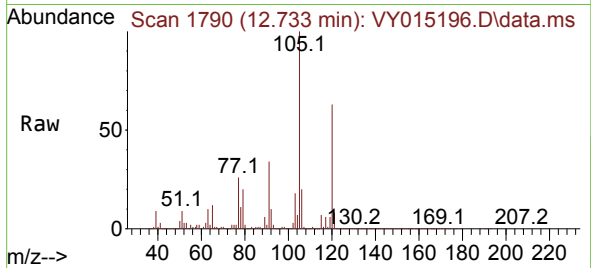




#80
 1,3,5-Trimethylbenzene
 Concen: 2053.474 ug/l
 RT: 12.733 min Scan# 11
 Delta R.T. -0.079 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

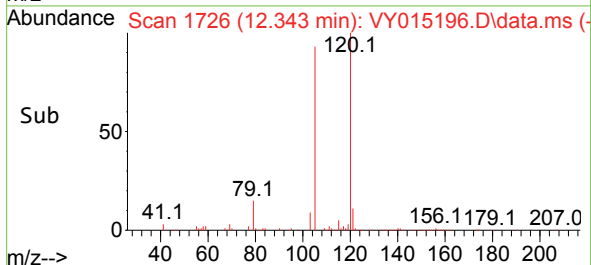
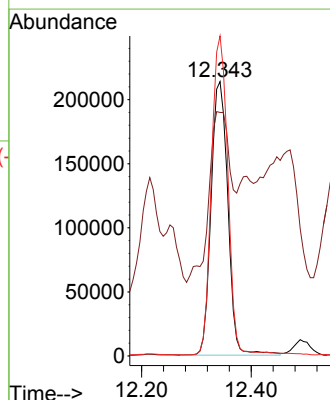
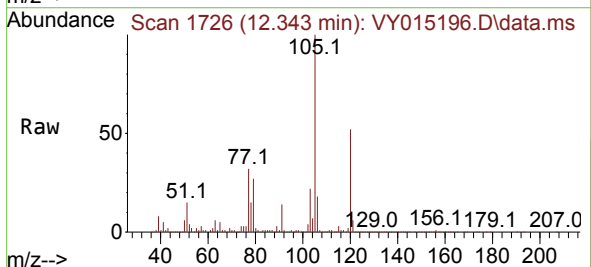
Instrument :
 MSVOA_Y
 ClientSampleId :

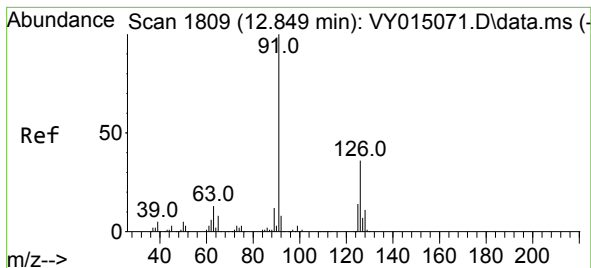
Tgt Ion:105 Resp: 3441421
 Ion Ratio Lower Upper
 105 100
 120 249.9 23.9 71.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2610.778 ug/l
 RT: 12.343 min Scan# 1726
 Delta R.T. -0.030 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

Tgt Ion: 75 Resp: 451507
 Ion Ratio Lower Upper
 75 100
 53 84.3 77.8 116.8
 89 114.7 37.4 56.0#





#82

4-Chlorotoluene

Concen: 5388.484 ug/l

RT: 12.995 min Scan# 1833

Delta R.T. 0.140 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

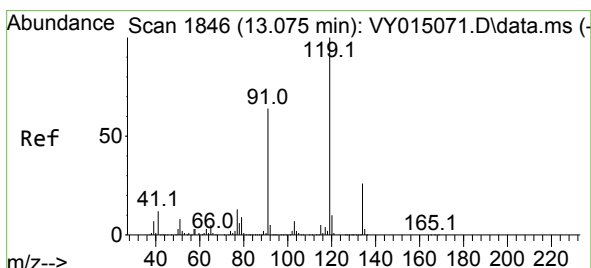
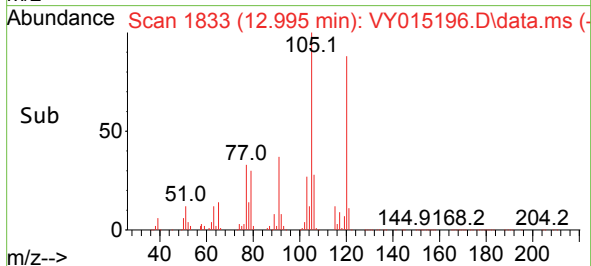
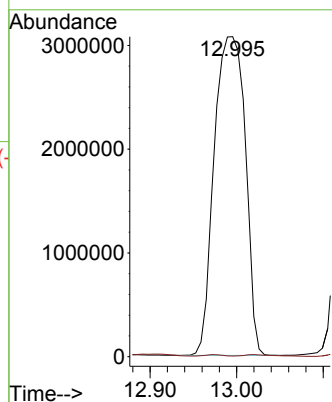
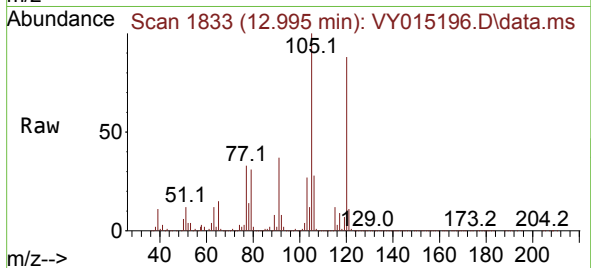
ClientSampleId :

Tgt Ion: 91 Resp: 7667225

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#83

tert-Butylbenzene

Concen: 4459.523 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.055 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

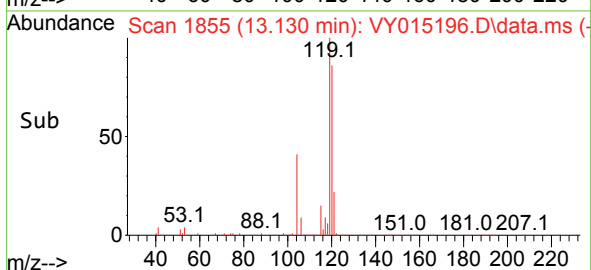
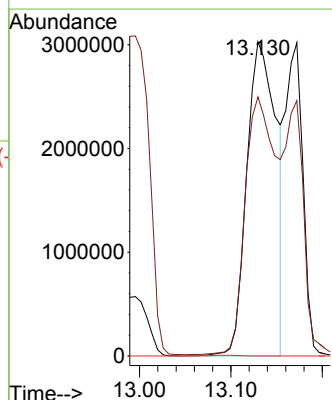
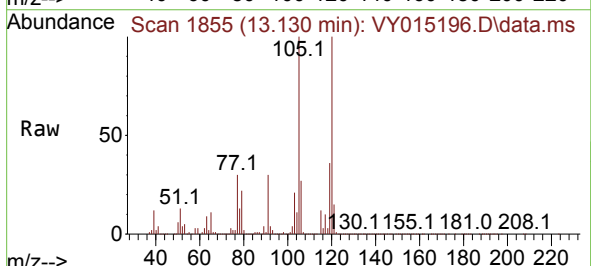
Tgt Ion: 119 Resp: 6835994

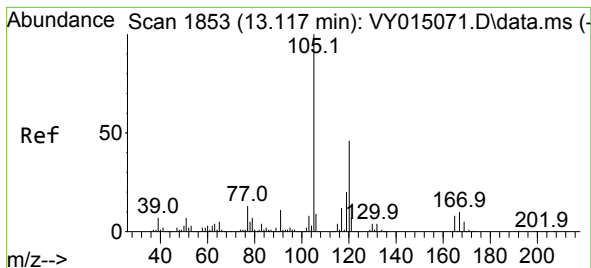
Ion Ratio Lower Upper

119 100

91 85.8 32.9 98.6

134 0.0 13.0 38.9#





#84

1,2,4-Trimethylbenzene

Concen: 5118.006 ug/l

RT: 13.264 min Scan# 1853

Delta R.T. 0.146 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

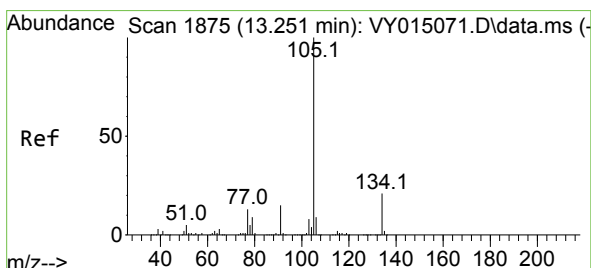
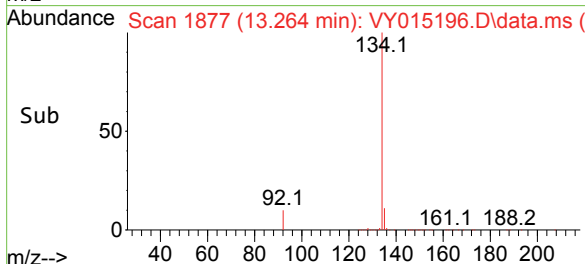
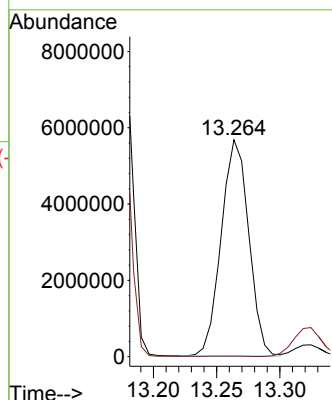
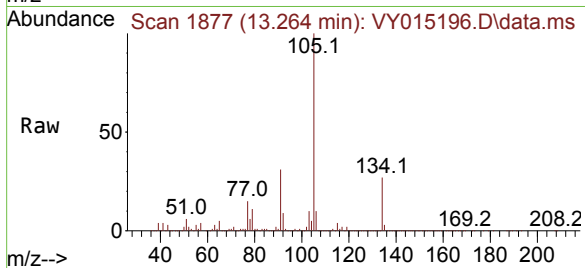
ClientSampleId :

Tgt Ion:105 Resp: 8570889

Ion Ratio Lower Upper

105 100

120 0.0 22.2 66.6#



#85

sec-Butylbenzene

Concen: 3816.048 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.012 min

Lab File: VY015196.D

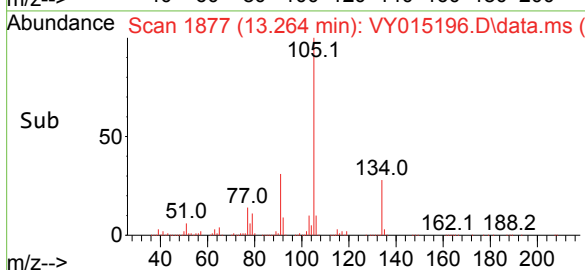
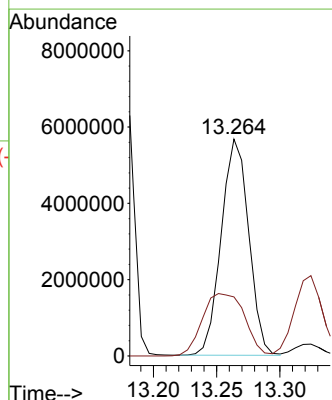
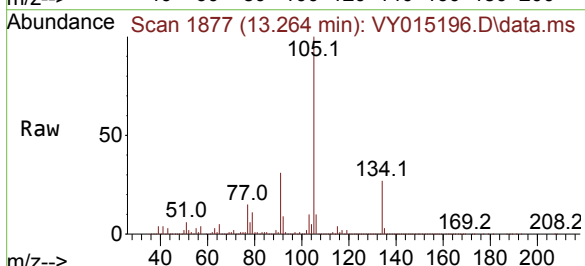
Acq: 18 Aug 2023 15:24

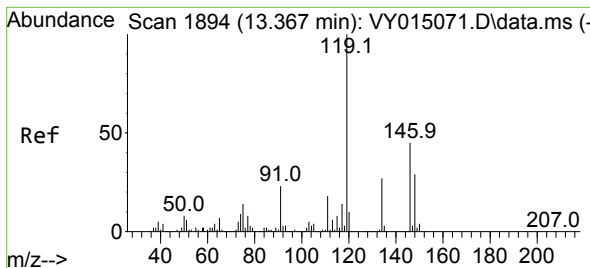
Tgt Ion:105 Resp: 8570889

Ion Ratio Lower Upper

105 100

134 44.5 10.2 30.6#

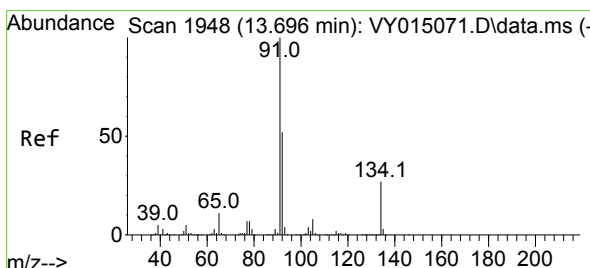
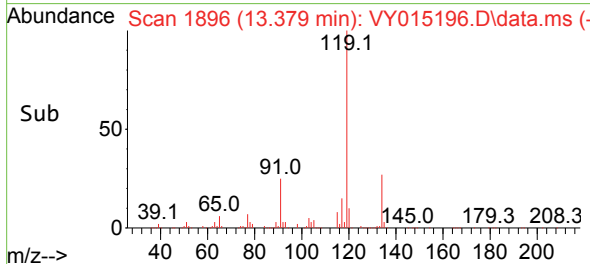
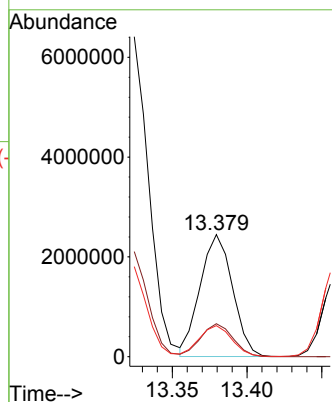
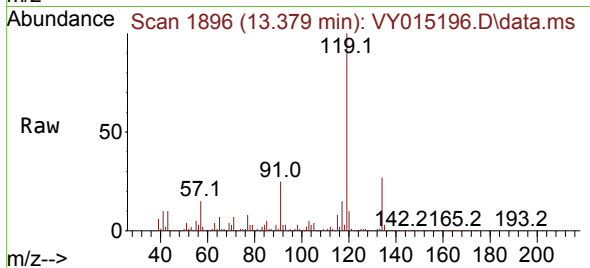




#86
p-Isopropyltoluene
Concen: 1984.563 ug/l
RT: 13.379 min Scan# 1894
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

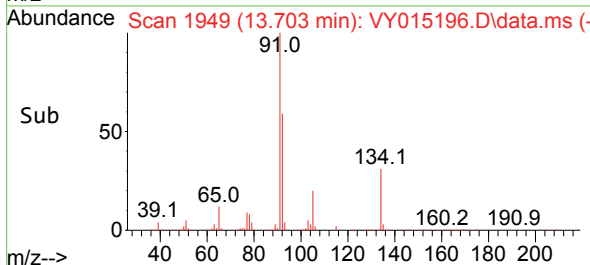
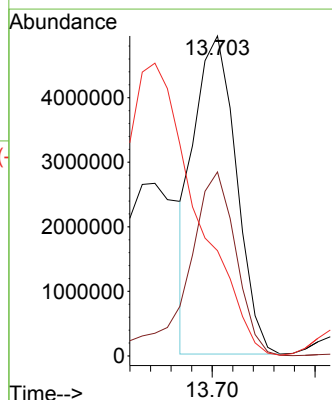
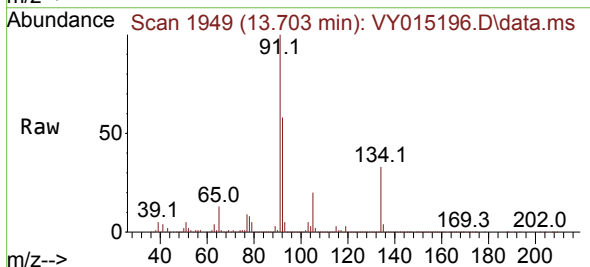
Instrument :
MSVOA_Y
ClientSampleId :

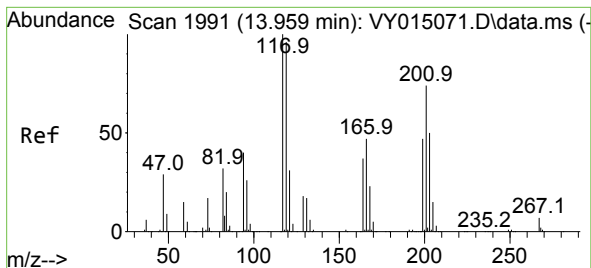
Tgt Ion:119 Resp: 3695557
Ion Ratio Lower Upper
119 100
134 26.9 13.3 39.8
91 25.1 12.4 37.4



#89
n-Butylbenzene
Concen: 3975.725 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 91 Resp: 6980400
Ion Ratio Lower Upper
91 100
92 66.1 25.4 76.0
134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 4028.232 ug/l

RT: 13.971 min Scan# 1991

Delta R.T. 0.012 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

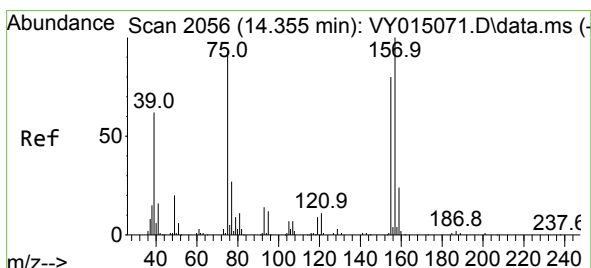
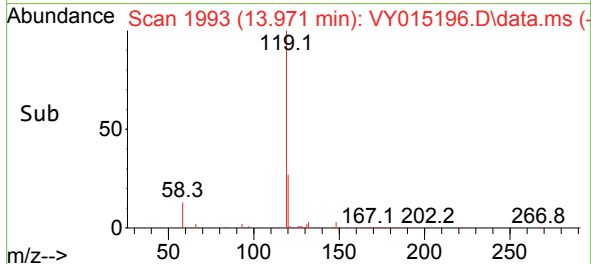
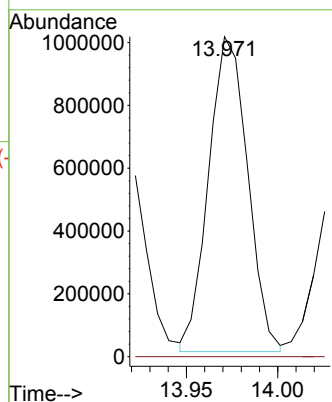
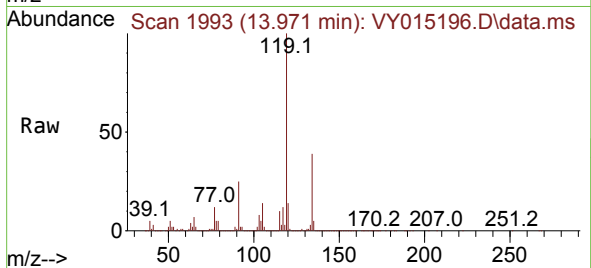
ClientSampleId :

Tgt Ion:117 Resp: 1488110

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 421.046 ug/l

RT: 14.331 min Scan# 2052

Delta R.T. -0.024 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

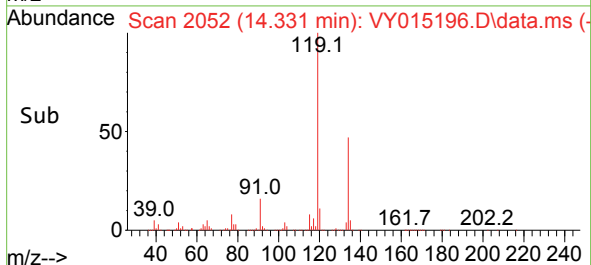
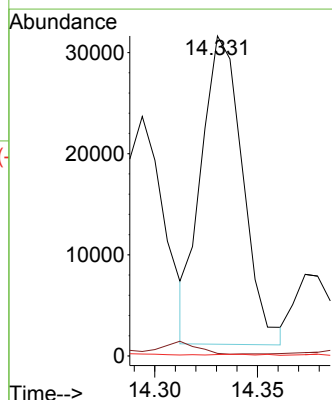
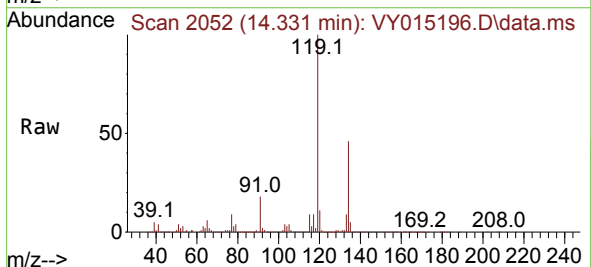
Tgt Ion: 75 Resp: 42709

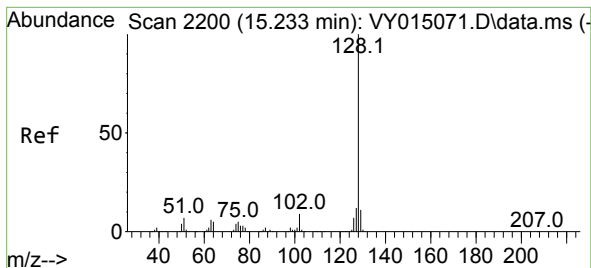
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 1874.853 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

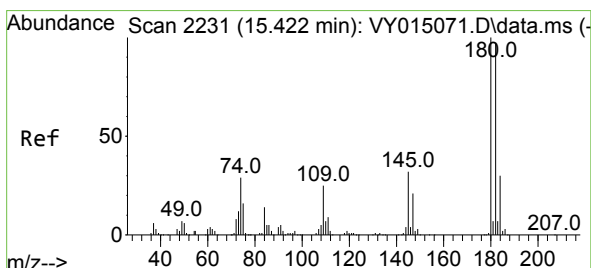
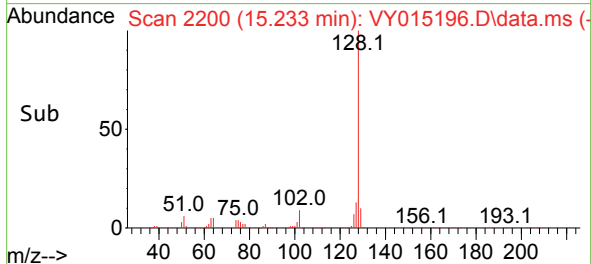
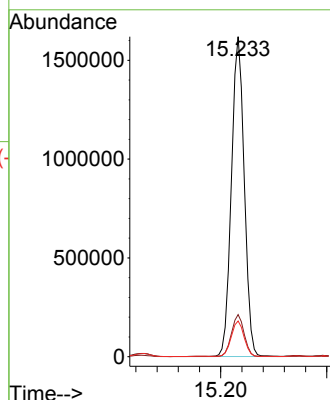
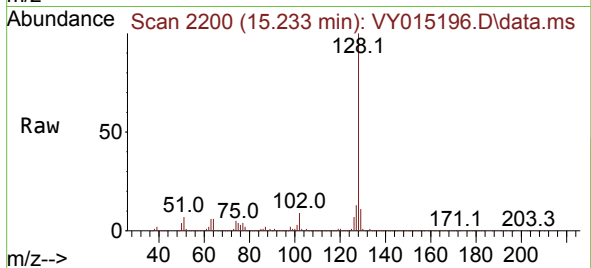
Tgt Ion:128 Resp: 2722660

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.014 ug/l

RT: 15.385 min Scan# 2225

Delta R.T. -0.036 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Tgt Ion:180 Resp: 534

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 1295.7 15.4 46.2#

