

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015217.D
 Acq On : 21 Aug 2023 13:51
 Operator : SY/MD
 Sample : 04060-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:53:50 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	7.789	168	135182	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	255711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138041	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94375	58.158	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.320%	
35) Dibromofluoromethane	7.710	113	76927	46.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.520%	
50) Toluene-d8	10.221	98	332028	54.218	ug/l	0.04
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.440%	
62) 4-Bromofluorobenzene	12.477	95	127113	56.829	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.660%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.894	85	19	Below Cal	#	43
3) Chloromethane	2.107	50	487	Below Cal		94
5) Bromomethane	2.650	94	347	Below Cal		98
7) Trichlorofluoromethane	2.954	101	4074	2.248	ug/l #	18
9) 1,1,2-Trichlorotrifluo...	3.936	101	1364	1.211	ug/l #	16
11) Tert butyl alcohol	4.948	59	293922	1159.068	ug/l #	80
13) Acrolein	3.723	56	9706	47.022	ug/l #	58
14) Allyl chloride	4.539	41	10197	6.114	ug/l #	66
15) Acrylonitrile	5.155	53	20231	41.996	ug/l	96
17) Carbon Disulfide	4.180	76	10081	6.090	ug/l	97
18) Methyl Acetate	4.472	43	12723	6.549	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	39551	9.889	ug/l #	1
20) Methylene Chloride	4.704	84	68383	54.160	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	2410	2.271	ug/l	92
22) Diisopropyl ether	6.112	45	4717	1.133	ug/l #	80
23) Vinyl Acetate	6.112	43	2591	1.043	ug/l #	74
25) 2-Butanone	6.978	43	197561	263.206	ug/l #	66
28) Bromochloromethane	7.527	49	2780	2.686	ug/l #	14
29) Tetrahydrofuran	7.527	42	170755	380.458	ug/l #	1
31) Cyclohexane	7.758	56	5476123	3978.665	ug/l #	52
36) 1,1-Dichloropropene	7.868	75	2106	1.157	ug/l #	1
37) Ethyl Acetate	6.978	43	197561	116.456	ug/l #	75
38) Carbon Tetrachloride	7.795	117	13269	6.160	ug/l #	15
39) Methylcyclohexane	9.185	83	8271037	4053.908	ug/l	94
40) Benzene	8.161	78	468050	85.062	ug/l	100
41) Methacrylonitrile	7.527	41	1103549	1261.531	ug/l #	44
42) 1,2-Dichloroethane	8.270	62	20736	10.377	ug/l #	1
43) Isopropyl Acetate	8.270	43	5721482	1852.020	ug/l #	55
45) 1,2-Dichloropropane	9.185	63	77877	50.191	ug/l #	1
48) Methyl methacrylate	9.240	41	382917	289.750	ug/l #	34
49) 1,4-Dioxane	9.179	88	175	8.943	ug/l #	1
51) 4-Methyl-2-Pentanone	10.136	43	49992	27.922	ug/l #	57
53) t-1,3-Dichloropropene	10.325	75	274009	111.651	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	226090	151.944	ug/l #	19
56) Ethyl methacrylate	10.490	69	30208	13.872	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.752	63	2670	2.635	ug/l #	48

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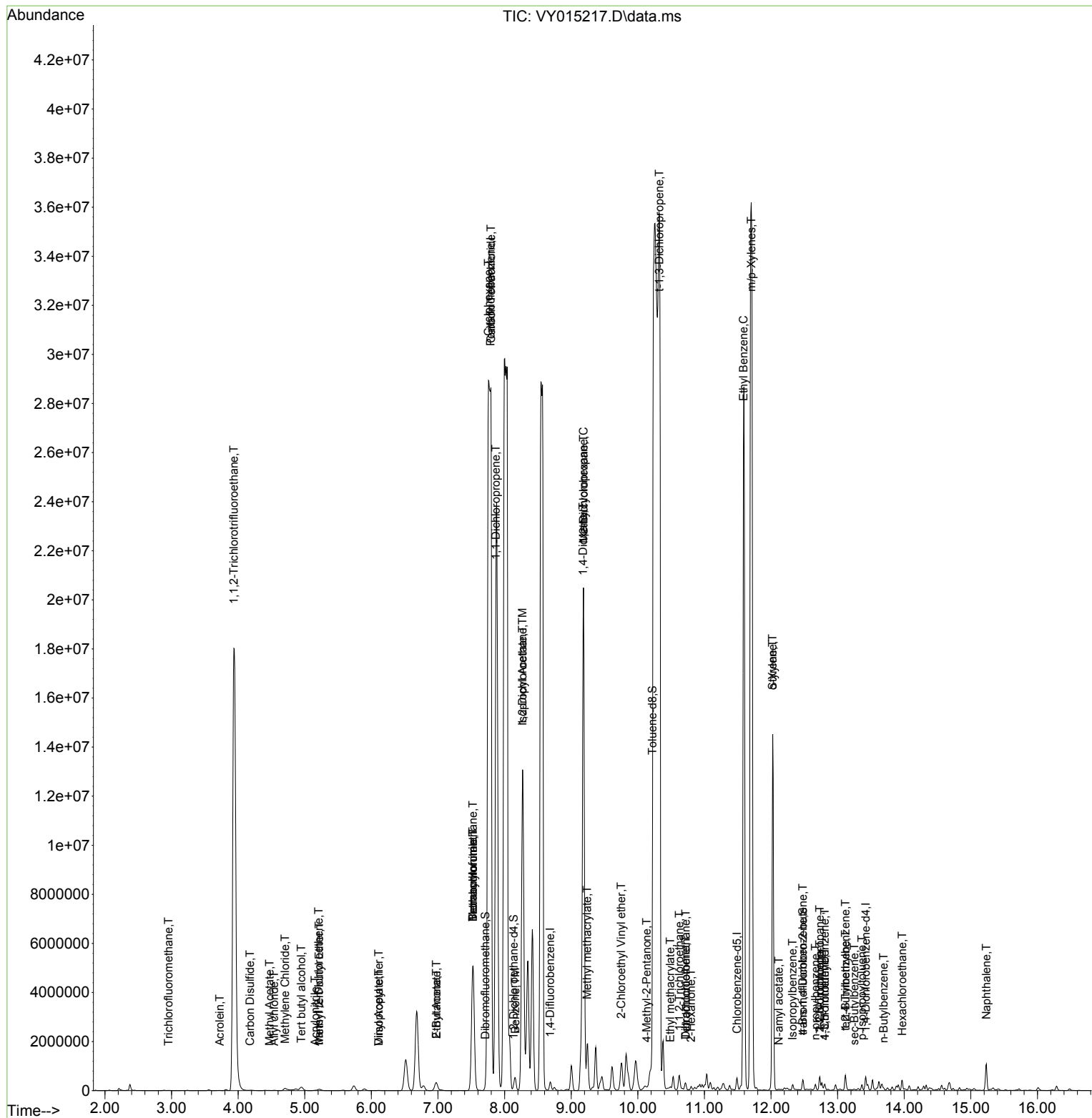
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	10.800	43	61080	46.094	ug/l #	32
60) Dibromochloromethane	10.721	129	28264	15.924	ug/l #	11
64) Tetrachloroethene	10.721	164	30998	17.312	ug/l	98
67) Ethyl Benzene	11.587	91	17009220	2073.165	ug/l #	67
68) m/p-Xylenes	11.703	106	15492480	4971.785	ug/l #	1
69) o-Xylene	12.026	106	3782008	1218.357	ug/l	93
70) Styrene	12.026	104	187493	34.898	ug/l #	1
73) Isopropylbenzene	12.325	105	127363	14.348	ug/l	100
74) N-amyl acetate	12.117	43	10123	3.159	ug/l #	46
76) 1,2,3-Trichloropropane	12.733	75	2760	1.646	ug/l #	100
78) n-propylbenzene	12.666	91	174991	16.601	ug/l	99
79) 2-Chlorotoluene	12.733	91	40750	6.702	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.806	105	67833	9.168	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.477	75	66262	86.783	ug/l #	11
82) 4-Chlorotoluene	12.806	91	6836	1.088	ug/l #	45
83) tert-Butylbenzene	13.117	119	37565	5.551	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.117	105	336189	45.470	ug/l	97
85) sec-Butylbenzene	13.251	105	21035	2.121	ug/l	85
86) p-Isopropyltoluene	13.367	119	118778	14.447	ug/l	98
89) n-Butylbenzene	13.690	91	62838	8.106	ug/l #	72
90) Hexachloroethane	13.971	117	20006	12.266	ug/l #	8
95) Naphthalene	15.233	128	870922	135.837	ug/l	99

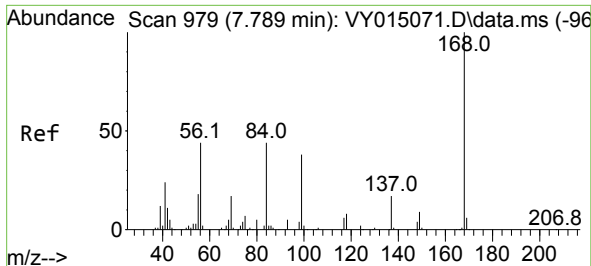
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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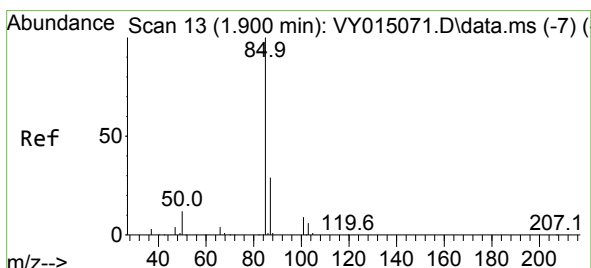
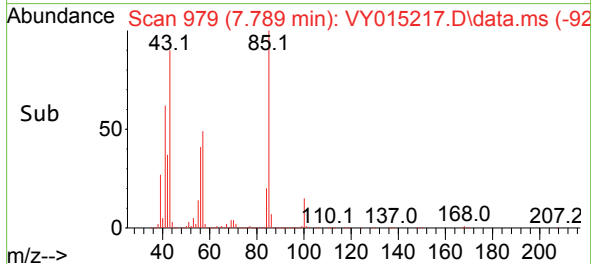
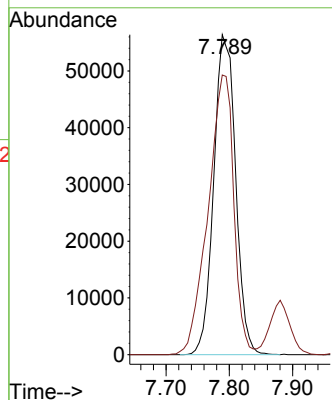
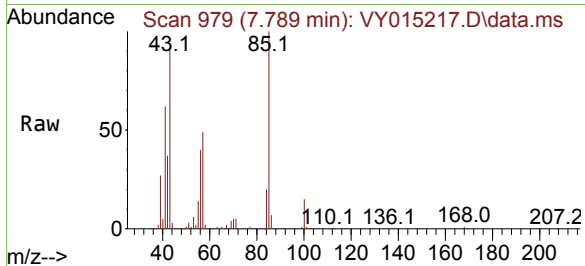




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015217.D
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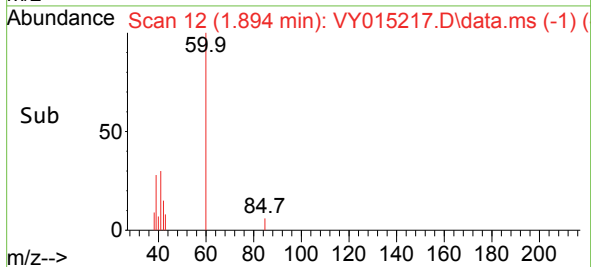
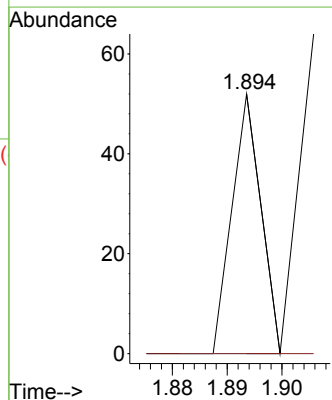
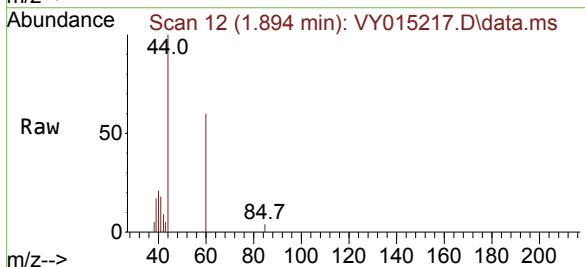
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MSVOA_Y
ClientSampleId :

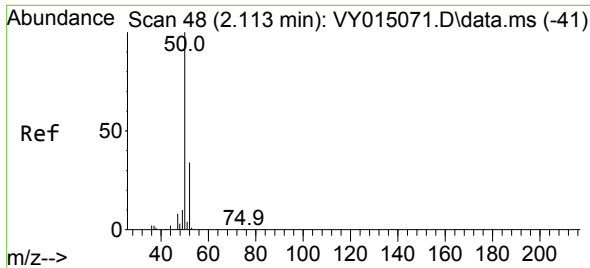
Tgt Ion:168 Resp: 135182
Ion Ratio Lower Upper
168 100
99 86.4 43.4 65.0#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

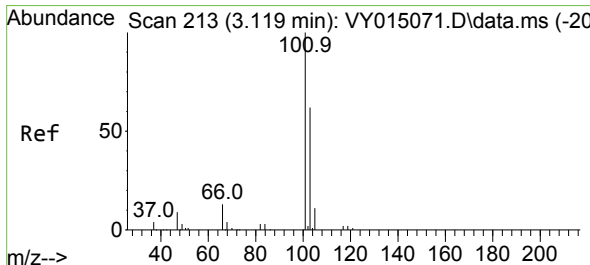
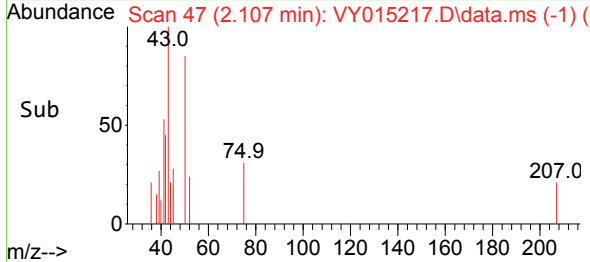
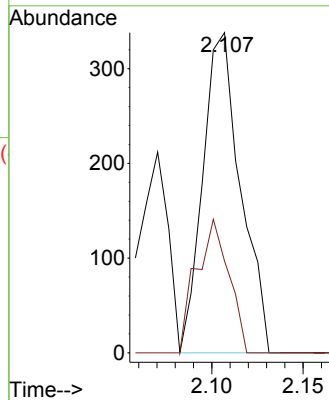
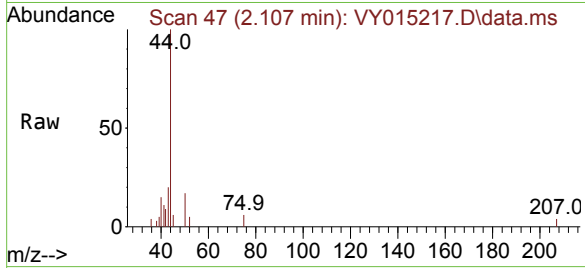




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

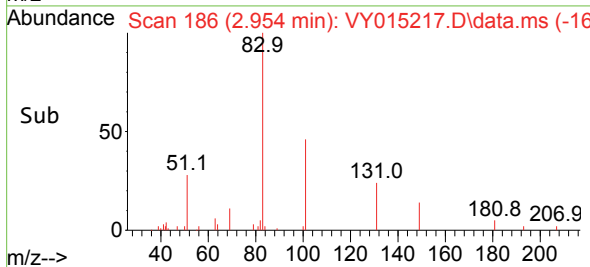
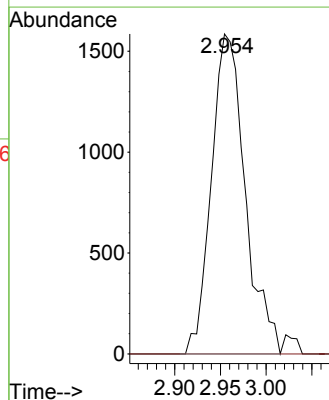
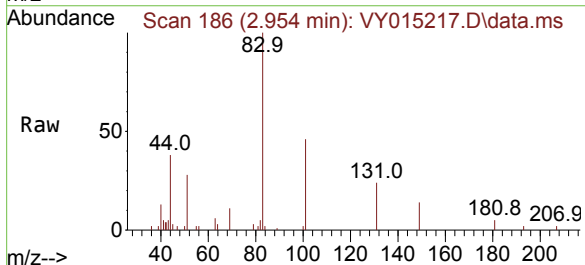
Instrument :
MSVOA_Y
ClientSampleId :

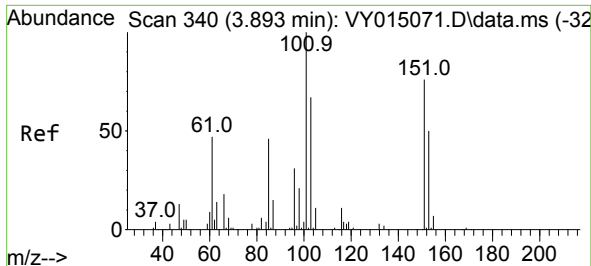
Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 28.7 25.4 38.2



#7
Trichlorofluoromethane
Concen: 2.248 ug/l
RT: 2.954 min Scan# 186
Delta R.T. -0.159 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 101 Resp: 4074
Ion Ratio Lower Upper
101 100
103 0.0 51.4 77.0#

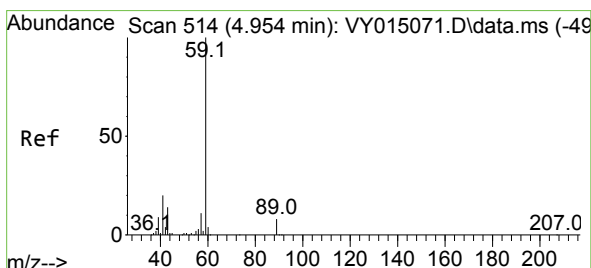
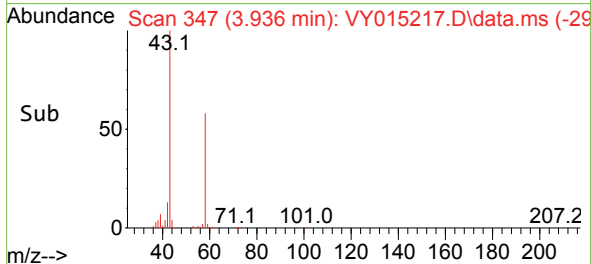
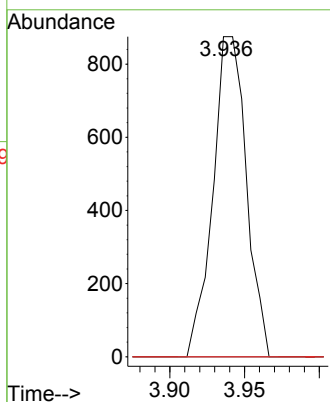
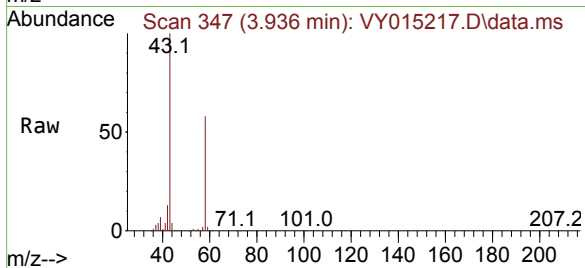




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.211 ug/l
RT: 3.936 min Scan# 34
Delta R.T. 0.049 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

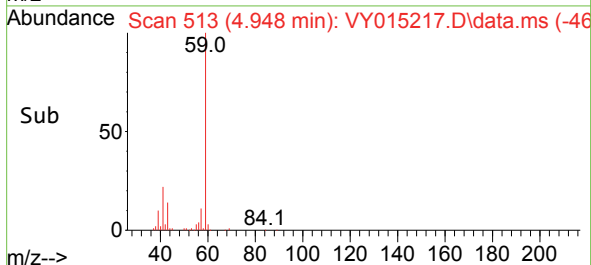
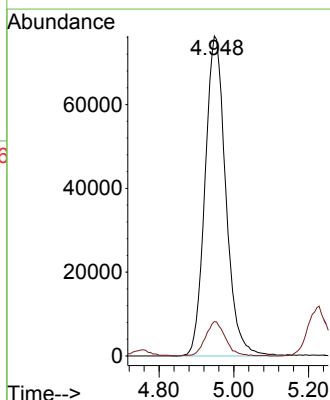
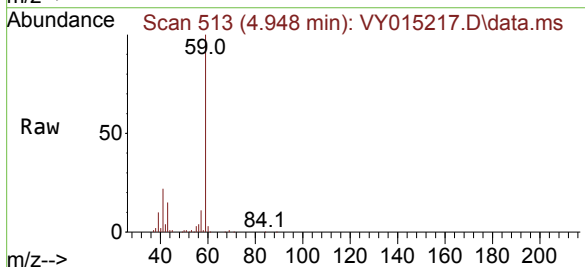
Instrument :
MSVOA_Y
ClientSampleId :

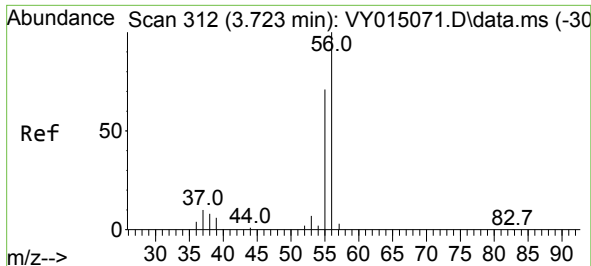
Tgt Ion:101 Resp: 1364
Ion Ratio Lower Upper
101 100
85 0.0 36.6 55.0#
151 0.0 67.0 100.6#



#11
Tert butyl alcohol
Concen: 1159.068 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015217.D
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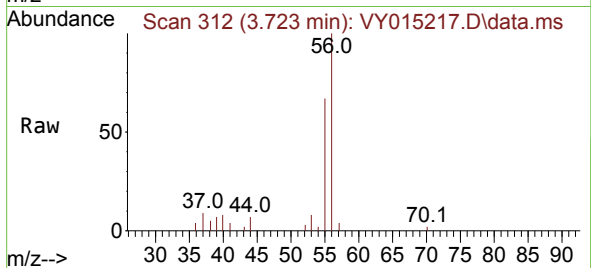
Tgt Ion: 59 Resp: 293922
Ion Ratio Lower Upper
59 100
57 10.4 3.0 4.4#



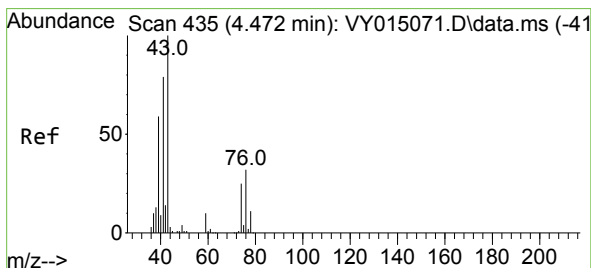
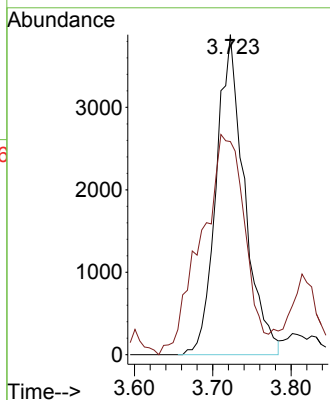
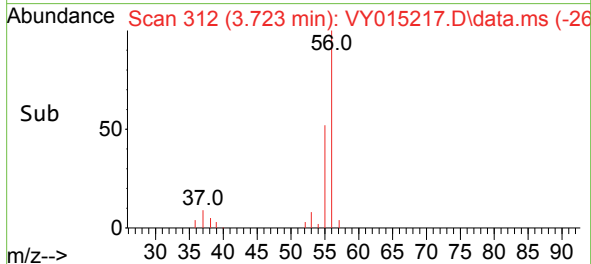


#13
Acrolein
Concen: 47.022 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

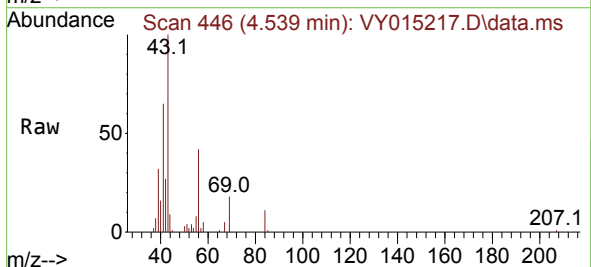
Instrument :
MSVOA_Y
ClientSampleId :



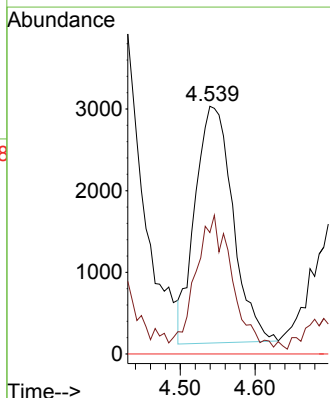
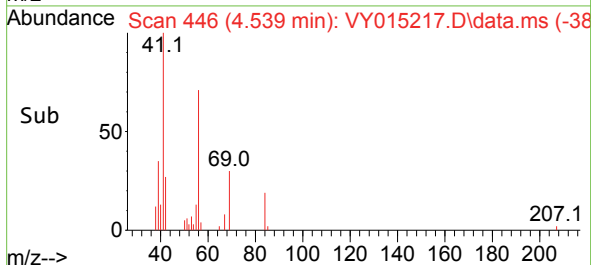
Tgt Ion: 56 Resp: 9706
Ion Ratio Lower Upper
56 100
55 106.3 57.0 85.4#

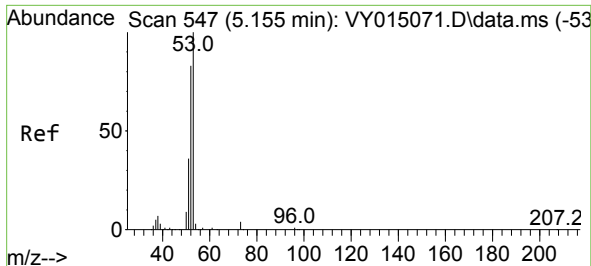


#14
Allyl chloride
Concen: 6.114 ug/l
RT: 4.539 min Scan# 446
Delta R.T. 0.067 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51



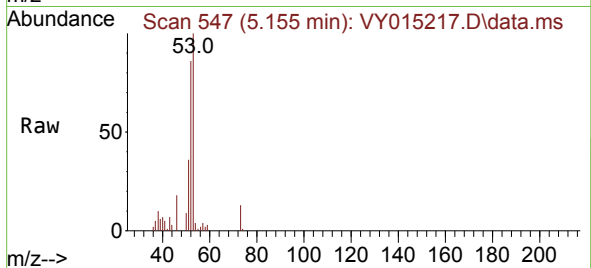
Tgt Ion: 41 Resp: 10197
Ion Ratio Lower Upper
41 100
39 54.8 58.0 87.0#
76 0.0 27.4 41.2#



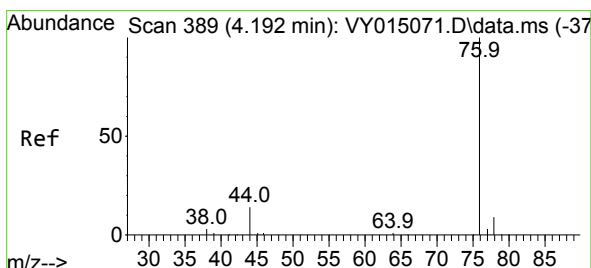
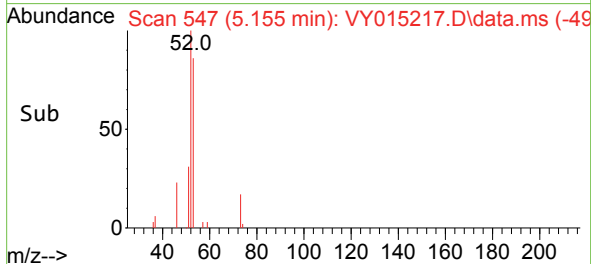
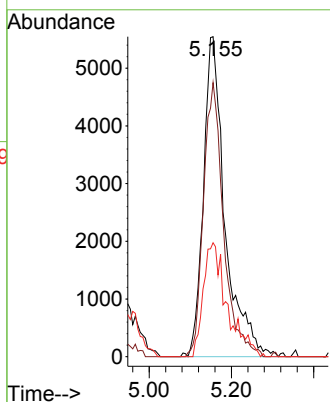


#15
Acrylonitrile
Concen: 41.996 ug/l
RT: 5.155 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY015217.D
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Instrument :
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ClientSampleId :

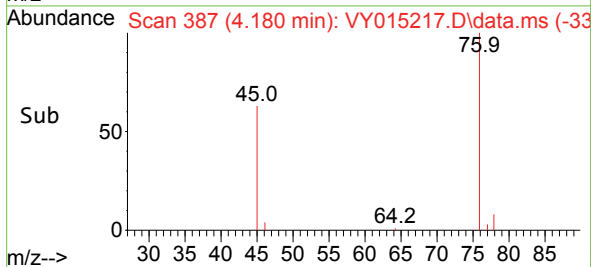
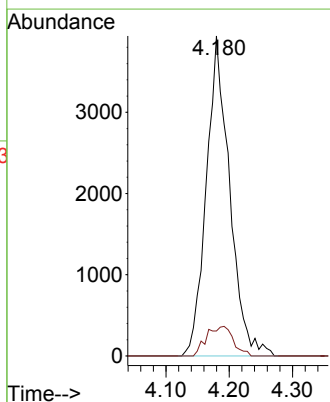
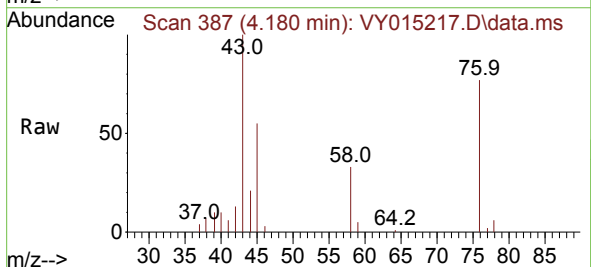


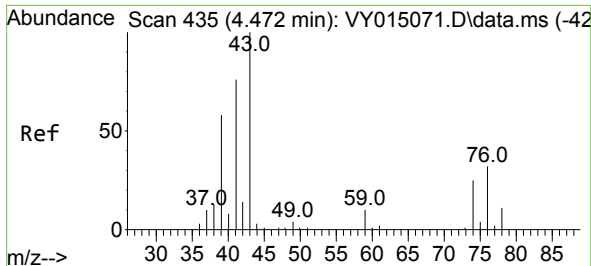
Tgt Ion:	53	Resp:	20231
Ion	Ratio	Lower	Upper
53	100		
52	79.6	66.9	100.3
51	39.2	29.8	44.6



#17
Carbon Disulfide
Concen: 6.090 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
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Tgt Ion:	76	Resp:	10081
Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.0	10.4

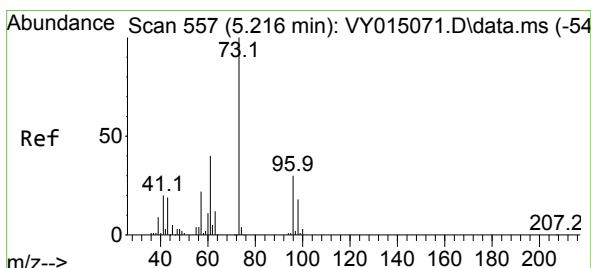
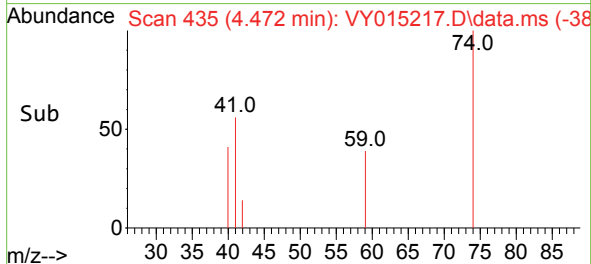
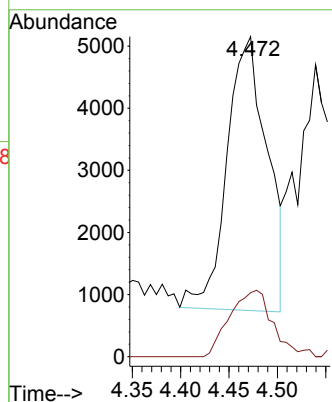
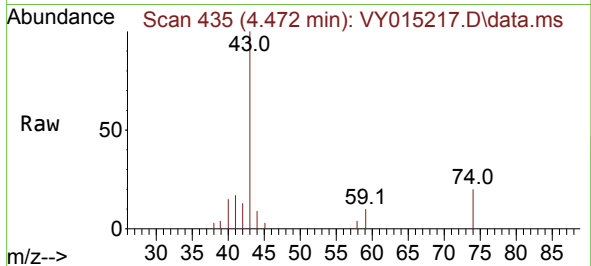




#18
Methyl Acetate
Concen: 6.549 ug/l
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

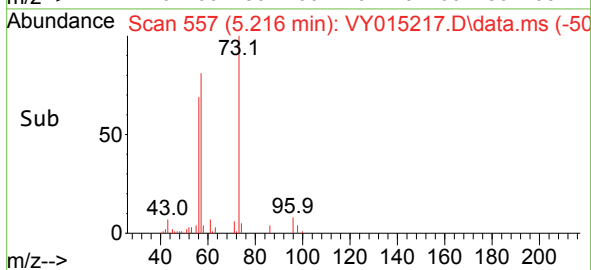
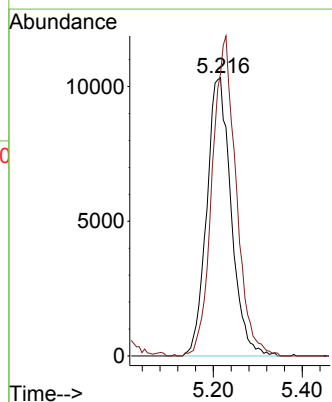
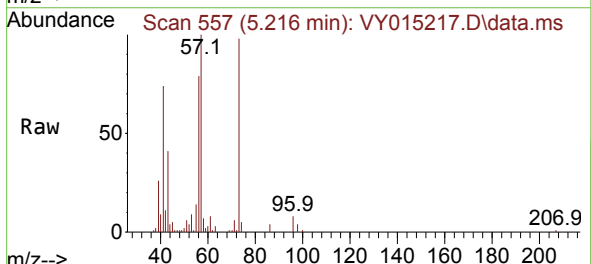
Instrument :
MSVOA_Y
ClientSampleId :

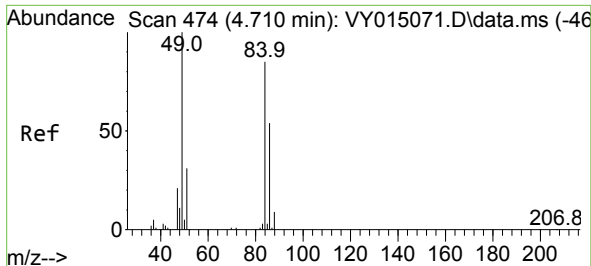
Tgt Ion: 43 Resp: 12723
Ion Ratio Lower Upper
43 100
74 26.1 17.4 26.0#



#19
Methyl tert-butyl Ether
Concen: 9.889 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

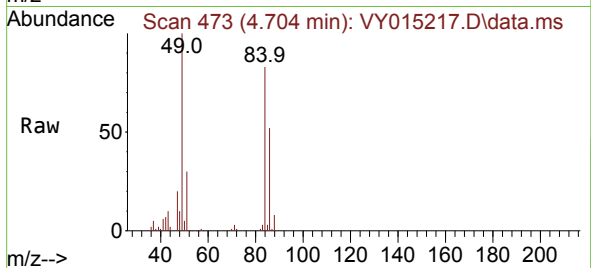
Tgt Ion: 73 Resp: 39551
Ion Ratio Lower Upper
73 100
57 101.6 17.3 25.9#



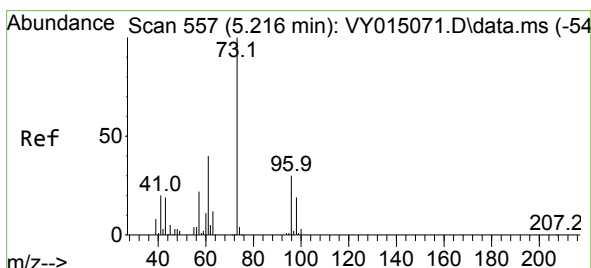
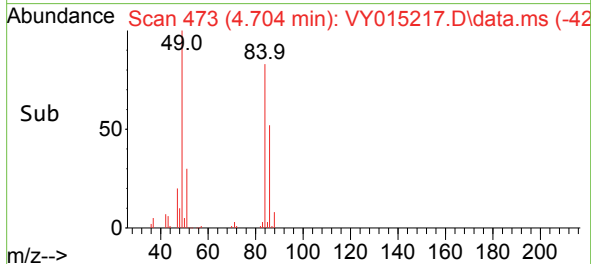
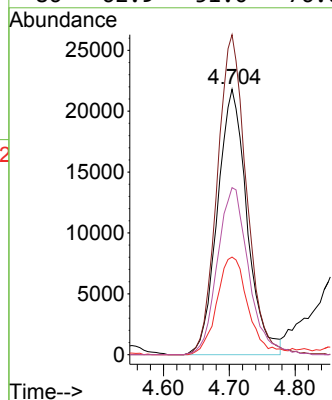


#20
Methylene Chloride
Concen: 54.160 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :

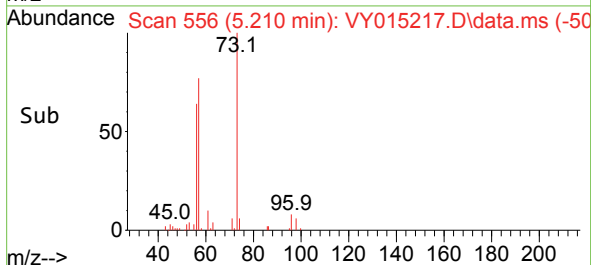
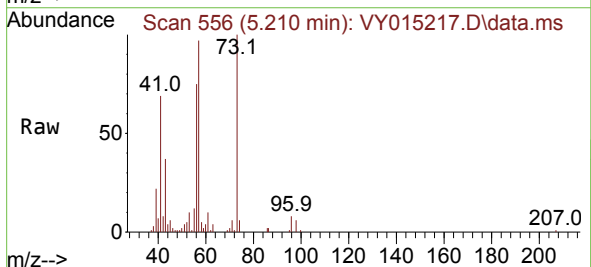
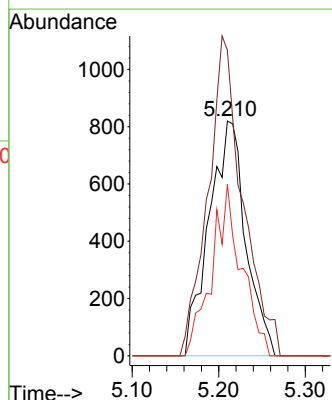


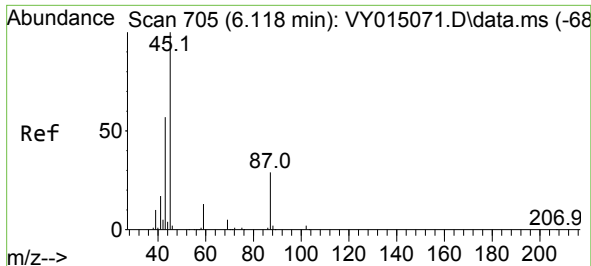
Tgt Ion: 84 Resp: 68383
Ion Ratio Lower Upper
84 100
49 120.5 106.9 160.3
51 36.7 33.2 49.8
86 62.9 51.0 76.6



#21
trans-1,2-Dichloroethene
Concen: 2.271 ug/l
RT: 5.210 min Scan# 556
Delta R.T. 0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

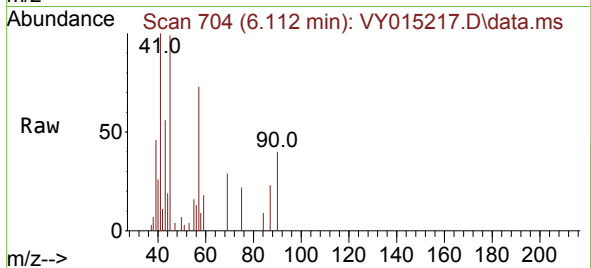
Tgt Ion: 96 Resp: 2410
Ion Ratio Lower Upper
96 100
61 130.1 110.2 165.4
98 73.0 51.8 77.6



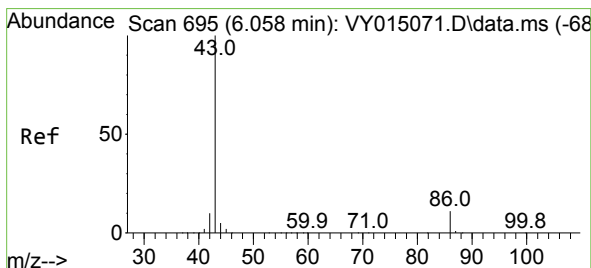
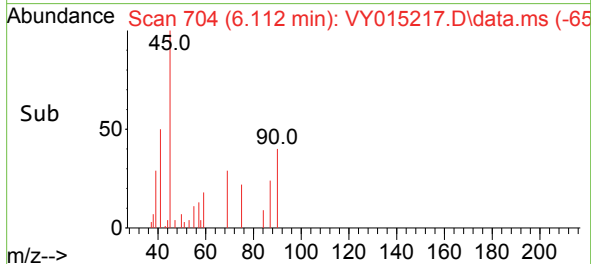
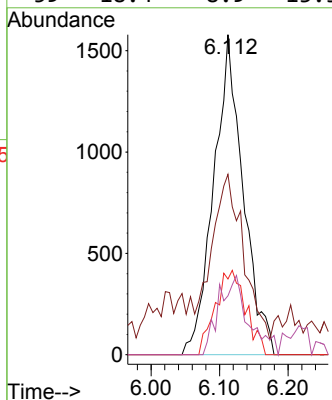


#22
Diisopropyl ether
Concen: 1.133 ug/l
RT: 6.112 min Scan# 704
Delta R.T. -0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Instrument :
MSVOA_Y
ClientSampled :

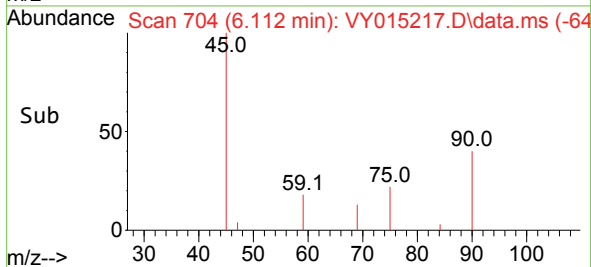
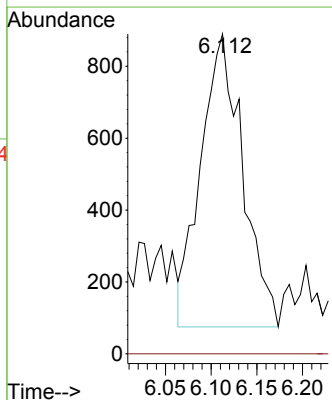
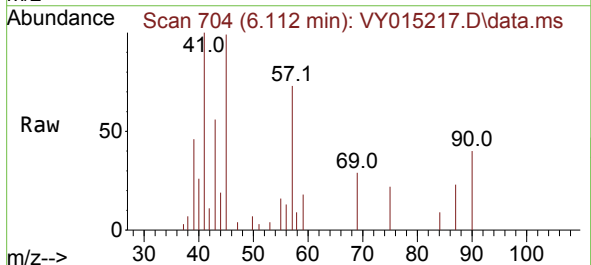


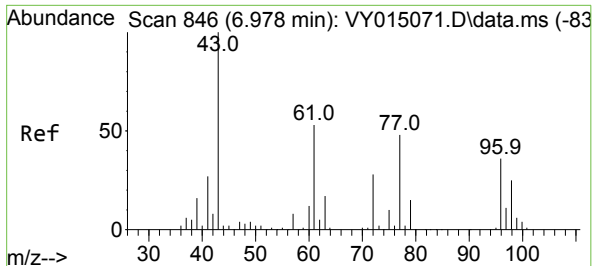
Tgt Ion:	45	Resp:	4717
Ion	Ratio	Lower	Upper
45	100		
43	44.1	52.2	78.4#
87	23.7	21.0	31.6
59	18.4	8.9	13.3#



#23
Vinyl Acetate
Concen: 1.043 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.061 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion:	43	Resp:	2591
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#





#25

2-Butanone

Concen: 263.206 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

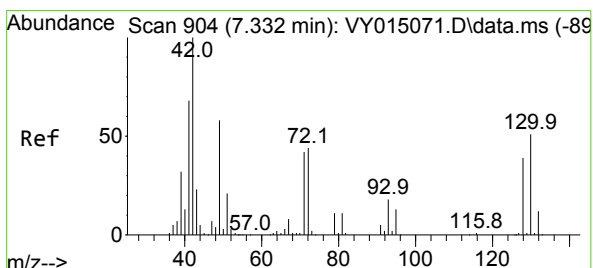
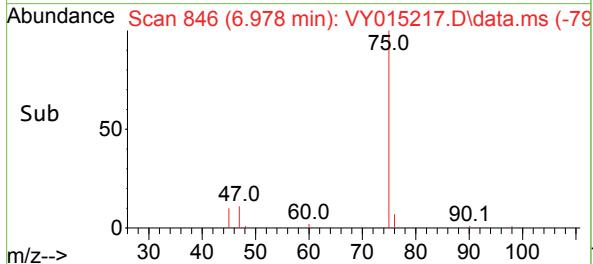
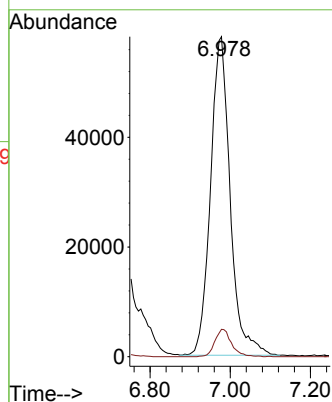
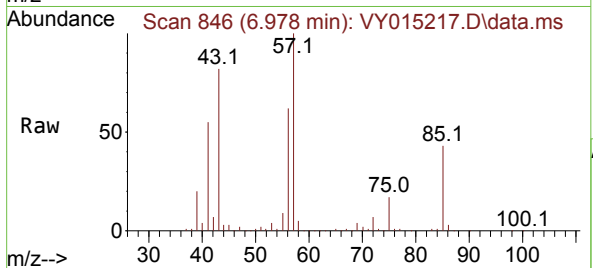
ClientSampleId :

Tgt Ion: 43 Resp: 197561

Ion Ratio Lower Upper

43 100

72 8.6 20.5 30.7#



#28

Bromochloromethane

Concen: 2.686 ug/l

RT: 7.527 min Scan# 936

Delta R.T. 0.195 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

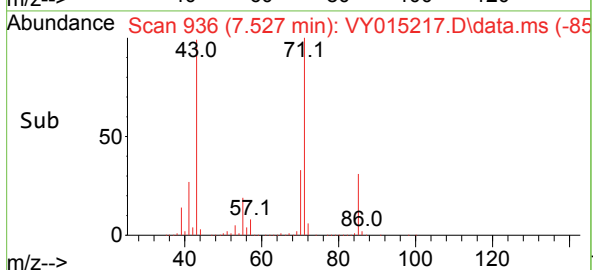
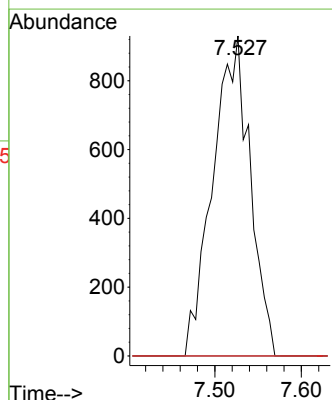
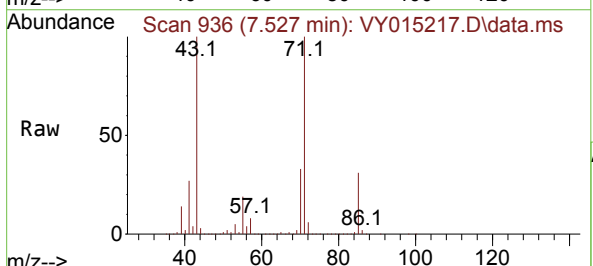
Tgt Ion: 49 Resp: 2780

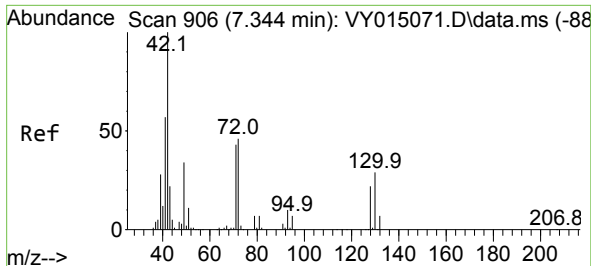
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 60.7 91.1#





#29

Tetrahydrofuran

Concen: 380.458 ug/l

RT: 7.527 min Scan# 91

Delta R.T. 0.183 min

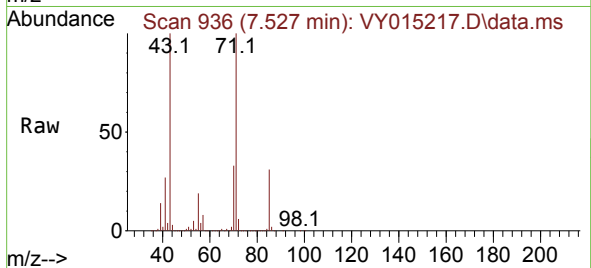
Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :



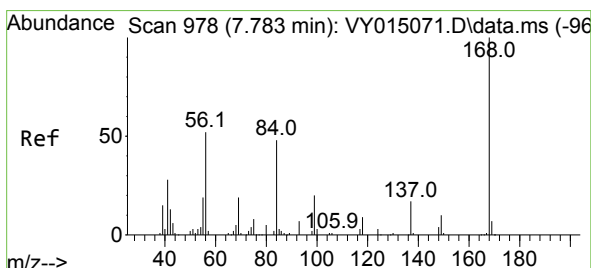
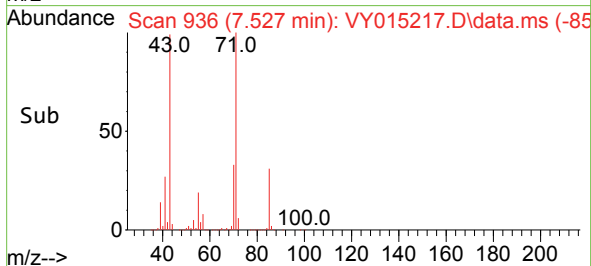
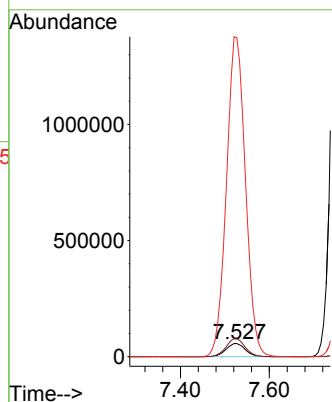
Tgt Ion: 42 Resp: 170755

Ion Ratio Lower Upper

42 100

72 135.2 32.8 49.2#

71 2391.1 31.0 46.4#



#31

Cyclohexane

Concen: 3978.665 ug/l

RT: 7.758 min Scan# 974

Delta R.T. -0.019 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

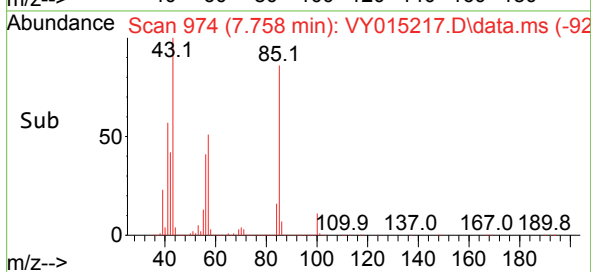
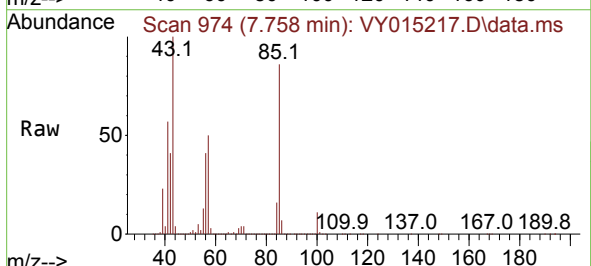
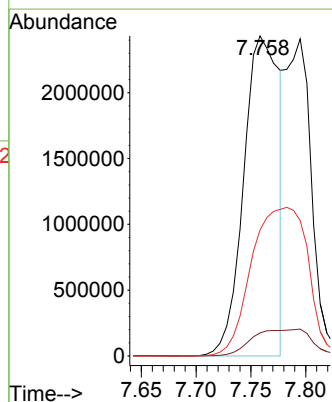
Tgt Ion: 56 Resp: 5476123

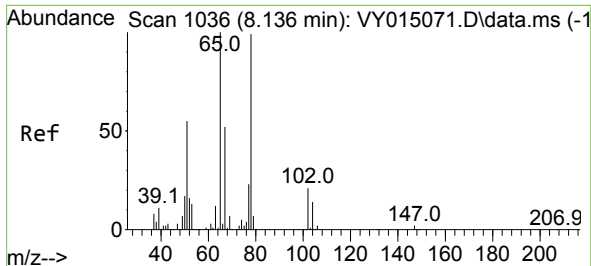
Ion Ratio Lower Upper

56 100

69 7.2 27.8 41.6#

84 39.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.158 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

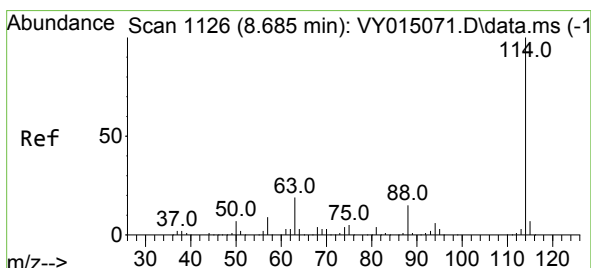
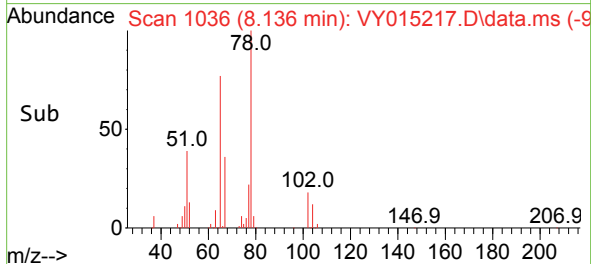
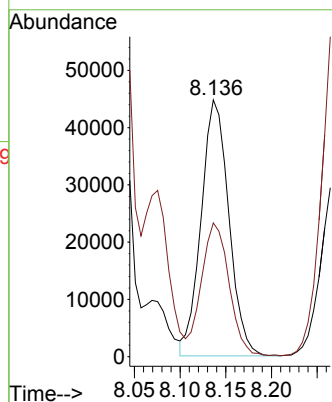
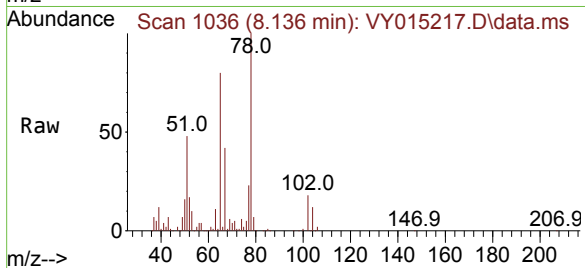
ClientSampleId :

Tgt Ion: 65 Resp: 94375

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

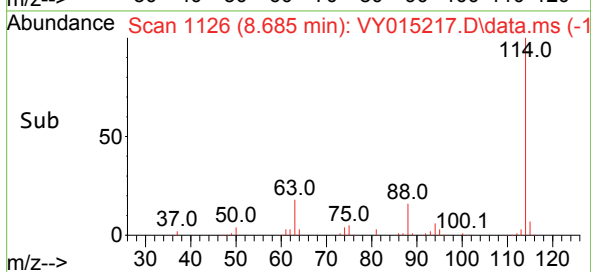
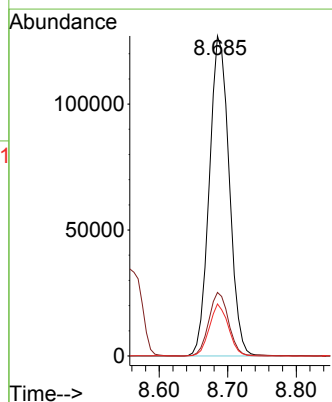
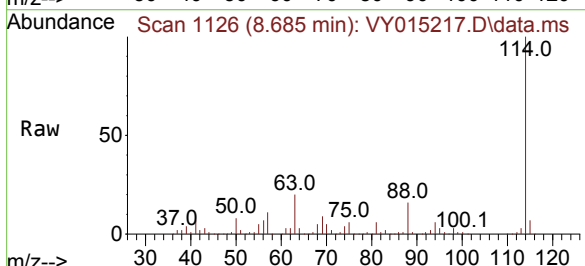
Tgt Ion: 114 Resp: 255711

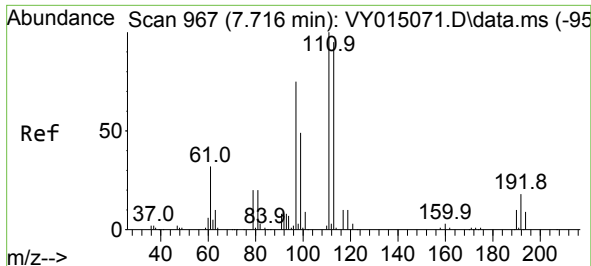
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 16.3 0.0 30.6

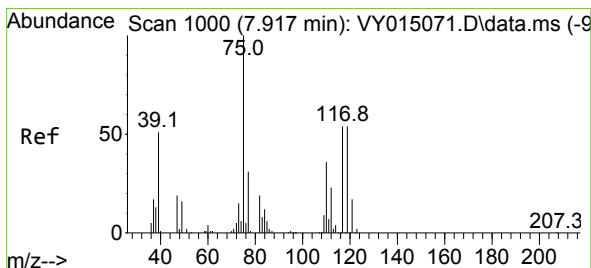
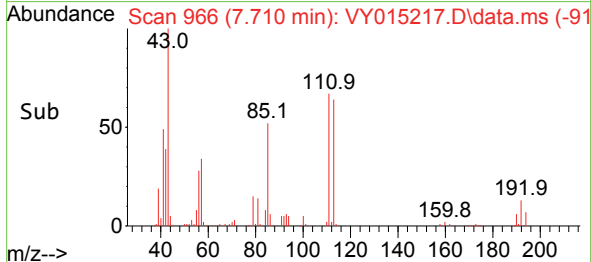
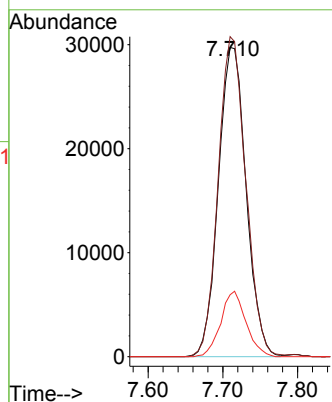
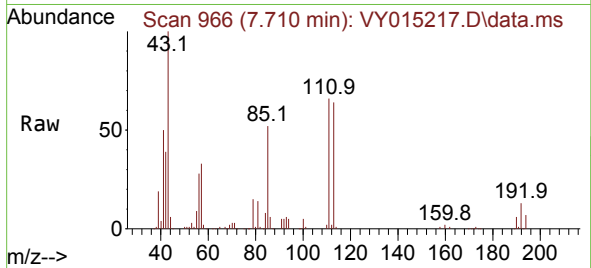




#35
Dibromofluoromethane
Concen: 46.762 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

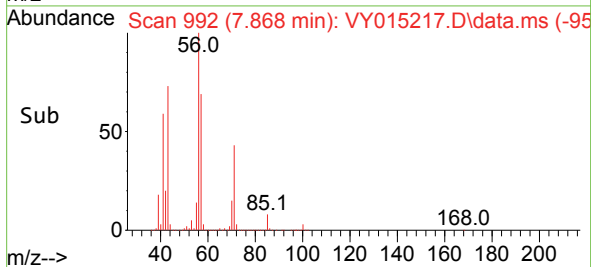
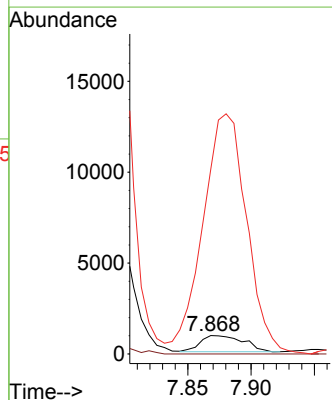
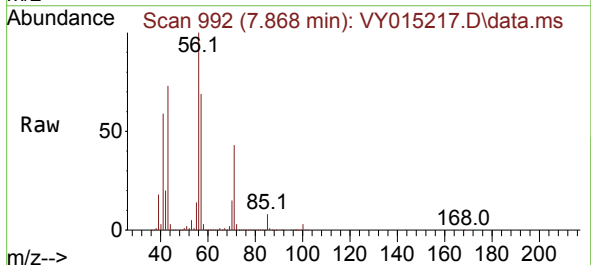
Instrument :
MSVOA_Y
ClientSampleId :

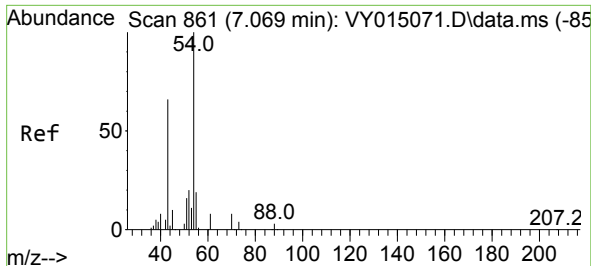
Tgt Ion:113 Resp: 76927
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 1.157 ug/l
RT: 7.868 min Scan# 992
Delta R.T. -0.043 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 75 Resp: 2106
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 1519.9 24.4 36.6#





#37

Ethyl Acetate

Concen: 116.456 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

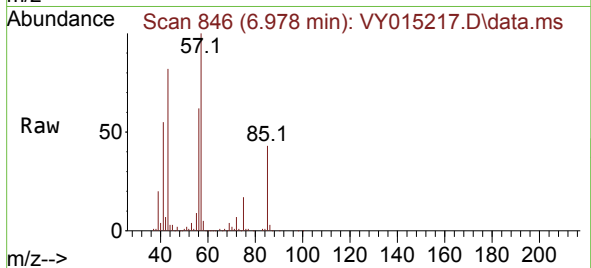
Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :



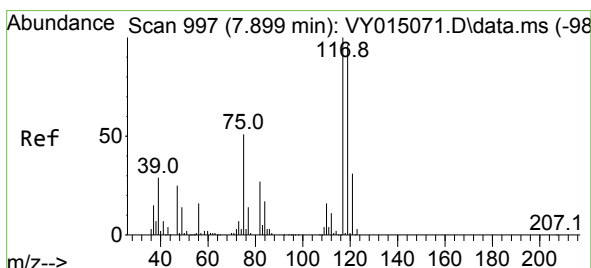
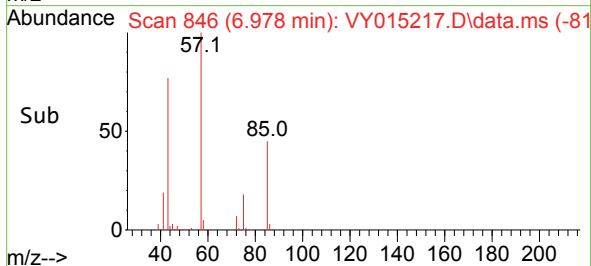
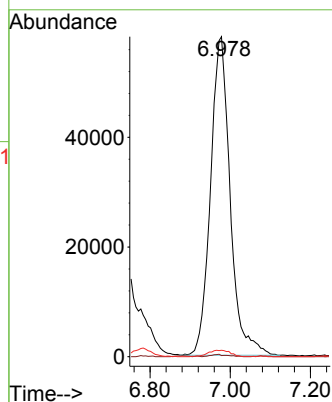
Tgt Ion: 43 Resp: 197561

Ion Ratio Lower Upper

43 100

61 0.6 10.1 15.1#

70 2.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.160 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

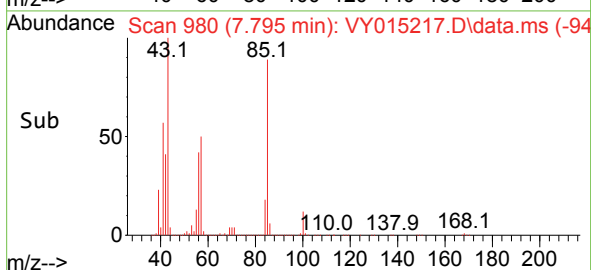
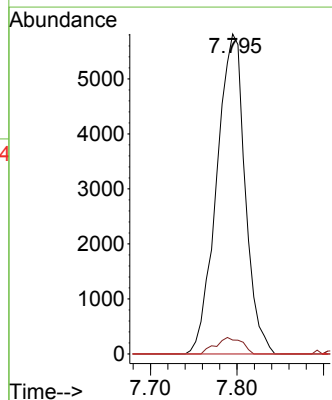
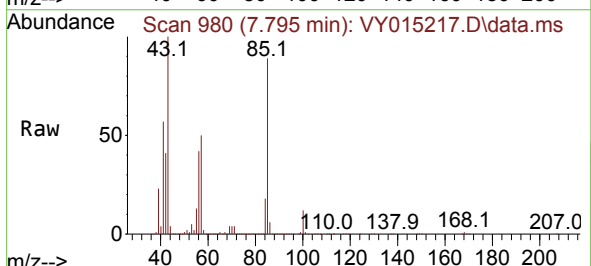
Tgt Ion: 117 Resp: 13269

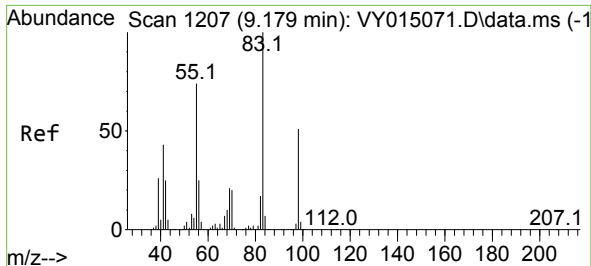
Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 4053.908 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

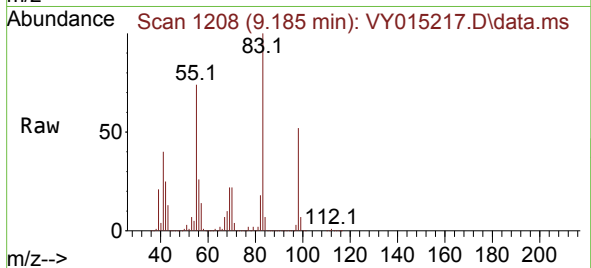
Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :



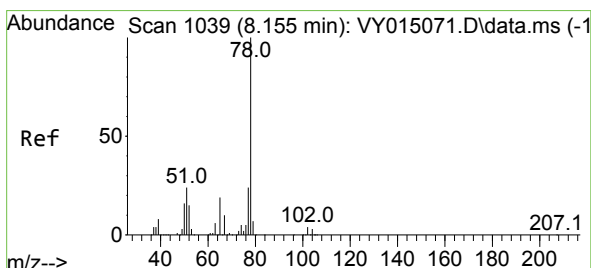
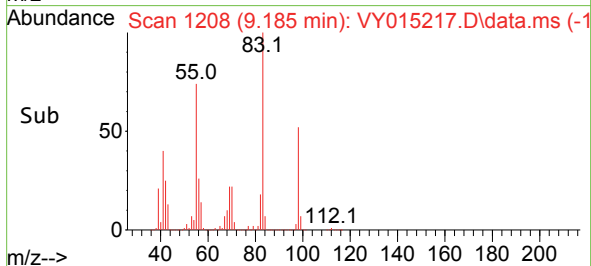
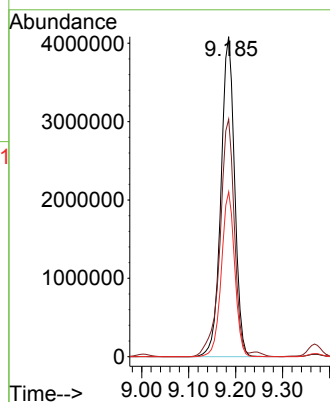
Tgt Ion: 83 Resp: 8271037

Ion Ratio Lower Upper

83 100

55 74.2 63.0 94.4

98 51.5 37.4 56.2



#40

Benzene

Concen: 85.062 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY015217.D

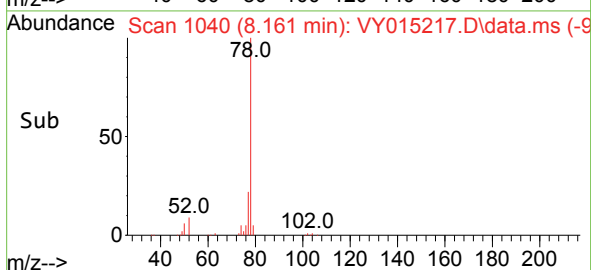
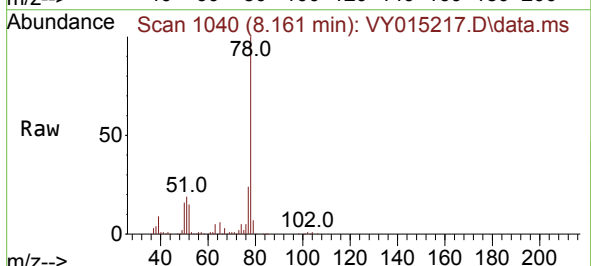
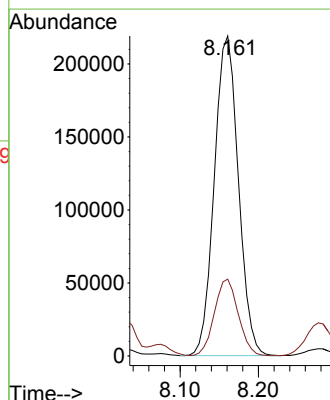
Acq: 21 Aug 2023 13:51

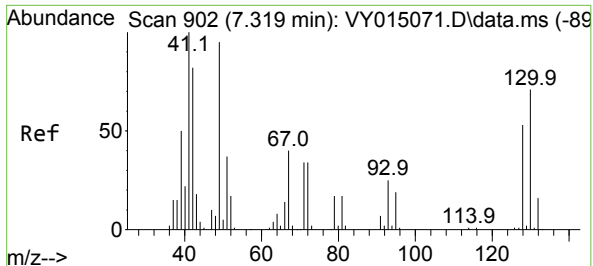
Tgt Ion: 78 Resp: 468050

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6

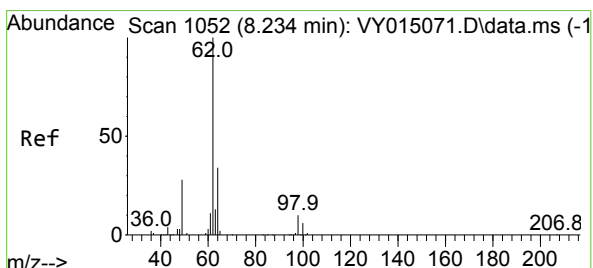
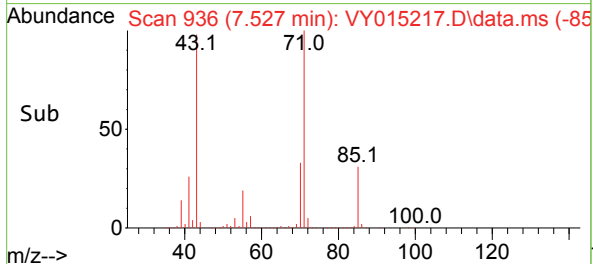
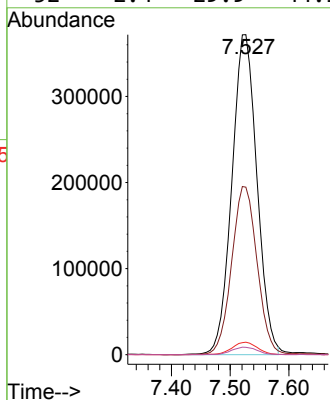
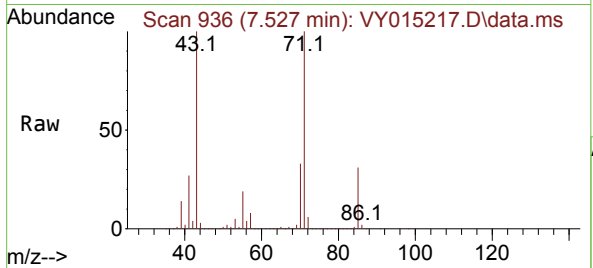




#41
Methacrylonitrile
Concen: 1261.531 ug/l
RT: 7.527 min Scan# 91
Delta R.T. 0.219 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

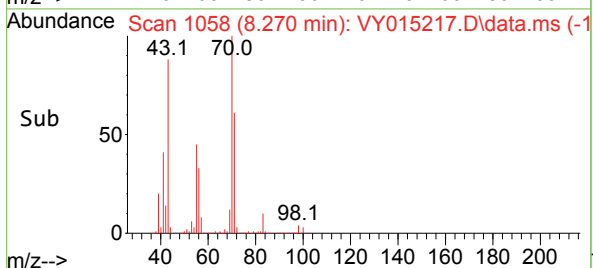
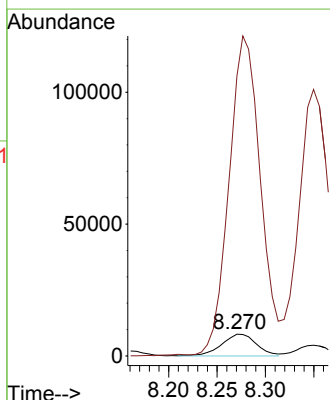
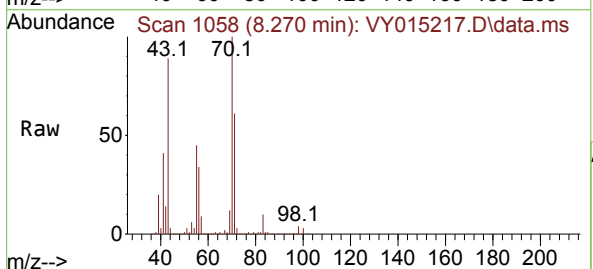
Instrument :
MSVOA_Y
ClientSampleId :

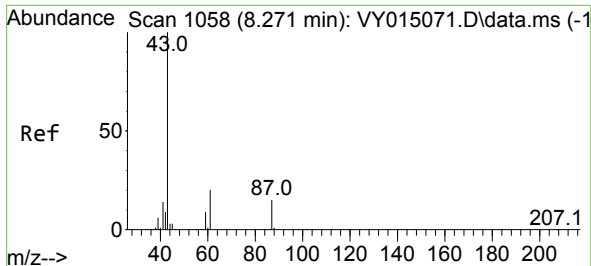
Tgt Ion: 41 Resp: 1103549
Ion Ratio Lower Upper
41 100
39 53.1 52.1 78.1
67 4.0 66.2 99.2#
52 2.4 29.9 44.9#



#42
1,2-Dichloroethane
Concen: 10.377 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. 0.037 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

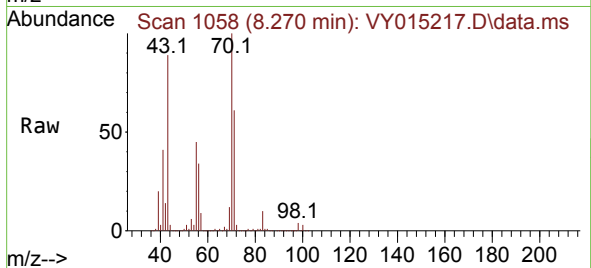
Tgt Ion: 62 Resp: 20736
Ion Ratio Lower Upper
62 100
98 1310.6 0.0 15.8#





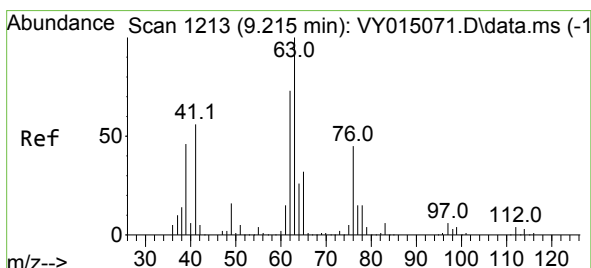
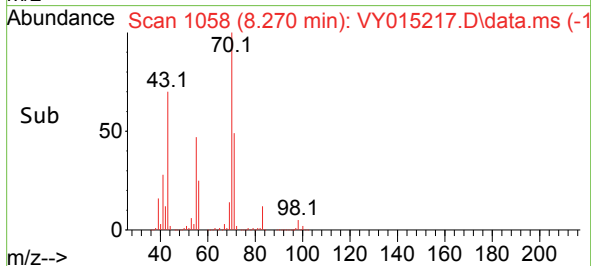
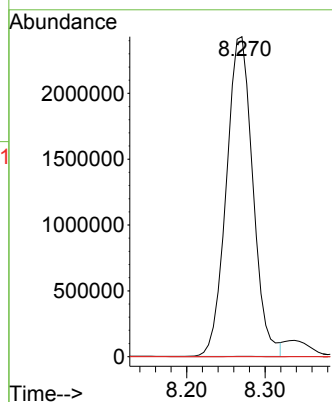
#43
Isopropyl Acetate
Concen: 1852.020 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 43 Resp: 5721482

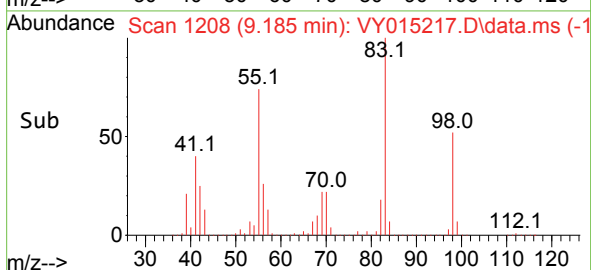
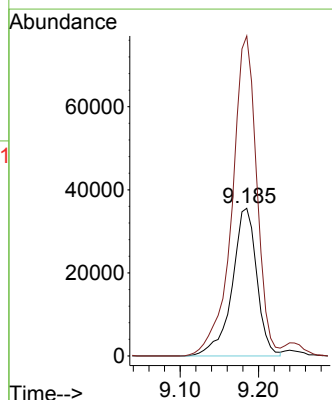
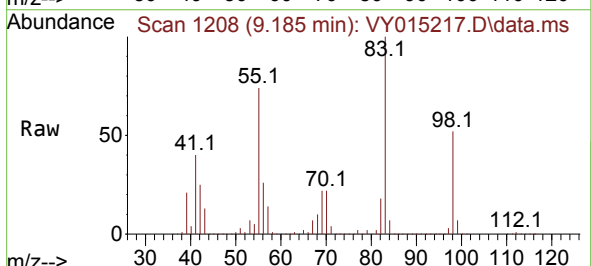
Ion	Ratio	Lower	Upper
43	100		
61	0.1	21.1	31.7#
87	0.0	9.8	14.8#

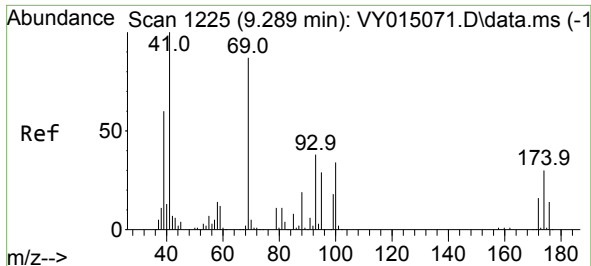


#45
1,2-Dichloropropane
Concen: 50.191 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.024 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 63 Resp: 77877

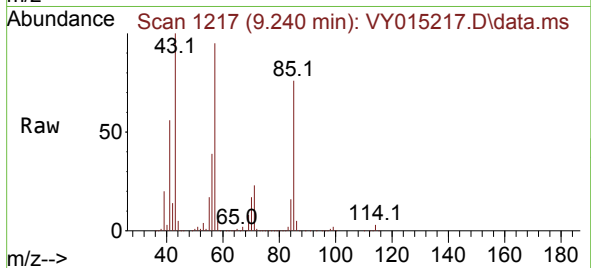
Ion	Ratio	Lower	Upper
63	100		
65	216.6	23.8	35.6#



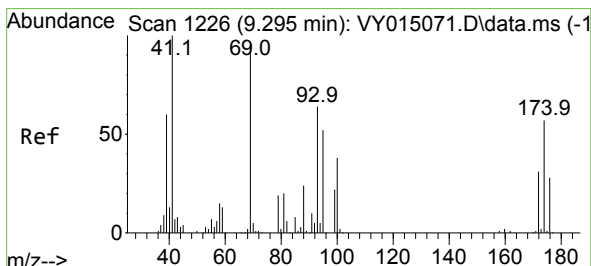
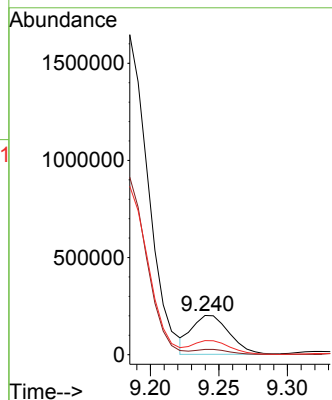
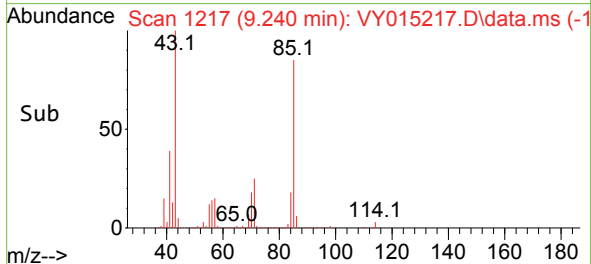


#48
Methyl methacrylate
Concen: 289.750 ug/l
RT: 9.240 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :

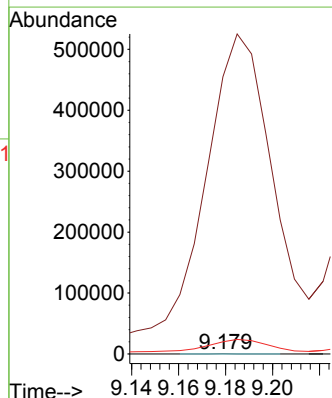
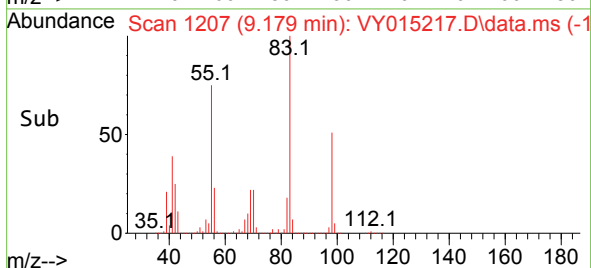
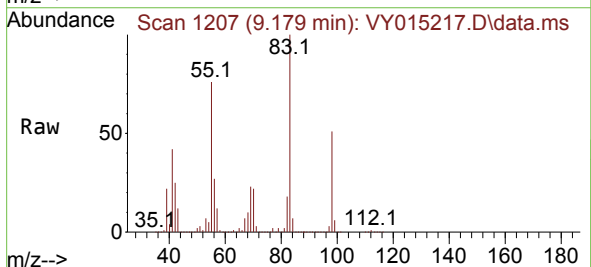


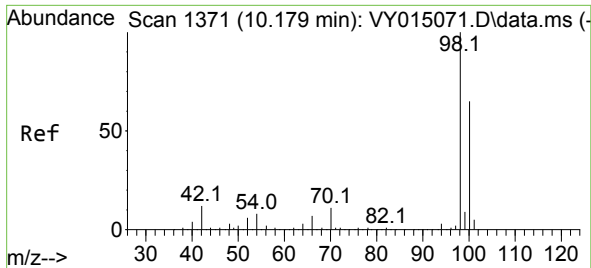
Tgt Ion: 41 Resp: 382917
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 36.6 50.8 76.2#



#49
1,4-Dioxane
Concen: 8.943 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.116 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 88 Resp: 175
Ion Ratio Lower Upper
88 100
43 642904.6 0.0 0.0#
58 30978.9 30.9 46.3#

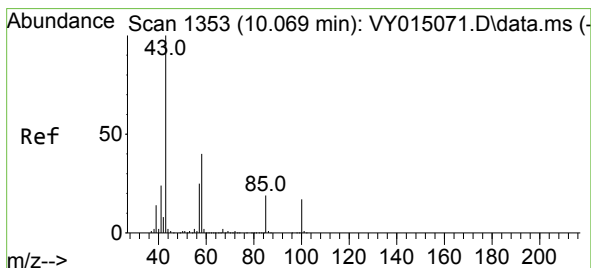
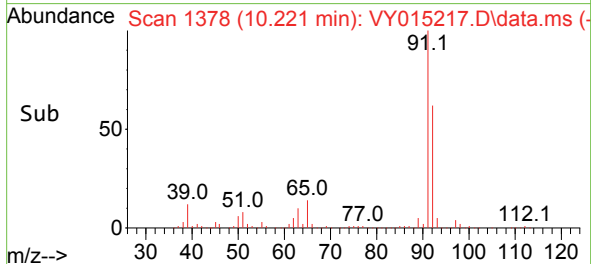
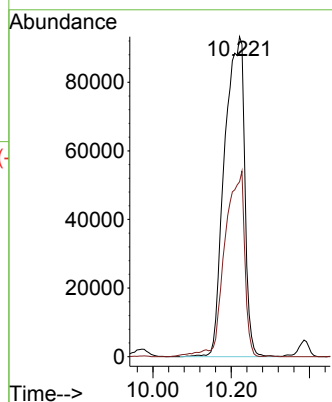
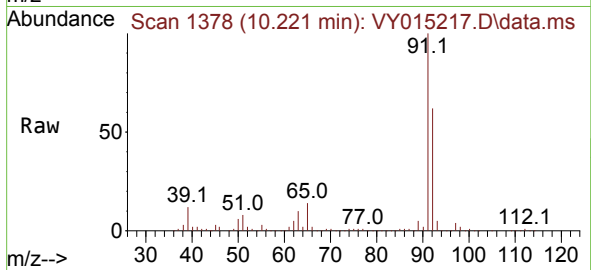




#50
Toluene-d8
Concen: 54.218 ug/l
RT: 10.221 min Scan# 11
Delta R.T. 0.043 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

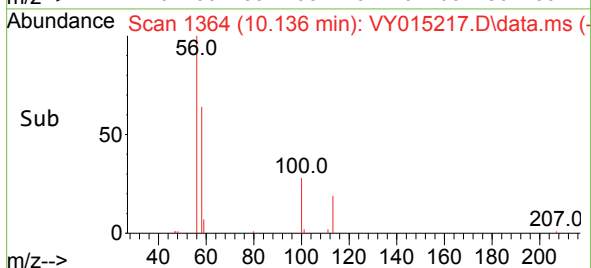
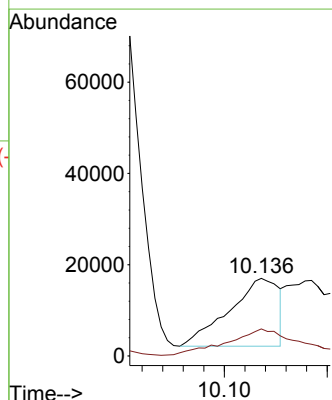
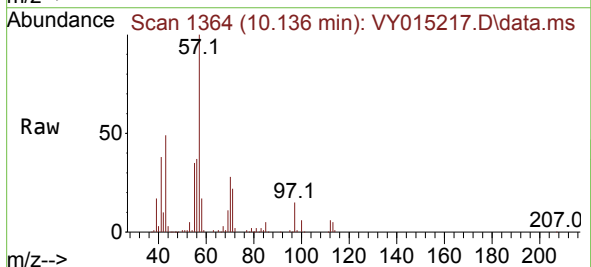
Instrument :
MSVOA_Y
ClientSampleId :

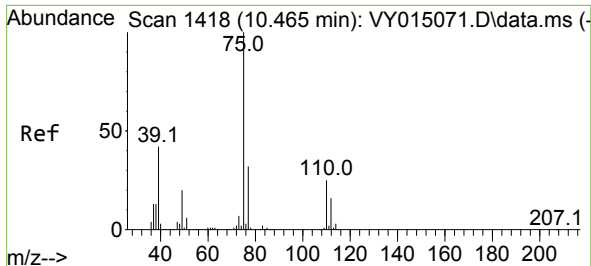
Tgt Ion: 98 Resp: 332028
Ion Ratio Lower Upper
98 100
100 57.1 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 27.922 ug/l
RT: 10.136 min Scan# 1364
Delta R.T. 0.067 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 43 Resp: 49992
Ion Ratio Lower Upper
43 100
58 61.5 29.0 43.6#

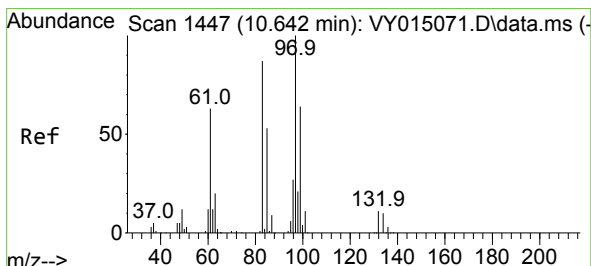
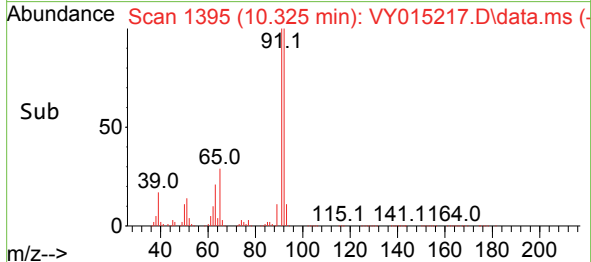
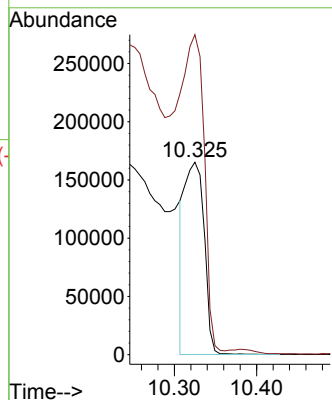
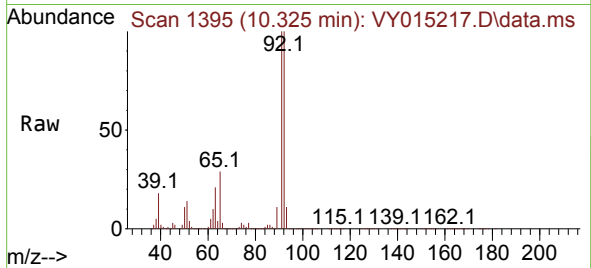




#53
t-1,3-Dichloropropene
Concen: 111.651 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.140 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

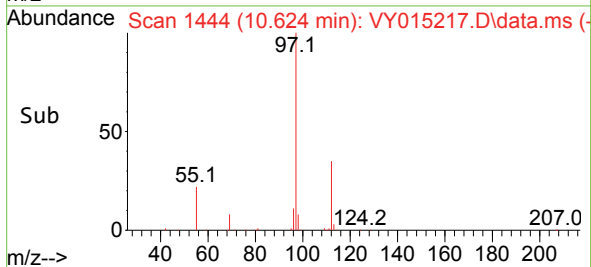
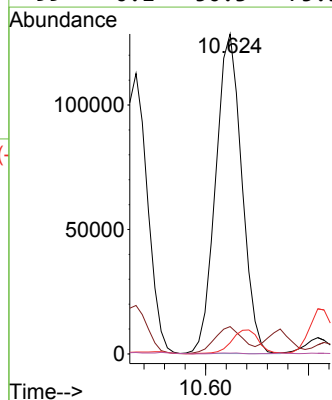
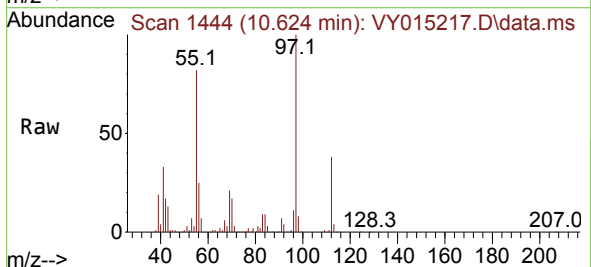
Instrument :
MSVOA_Y
ClientSampleId :

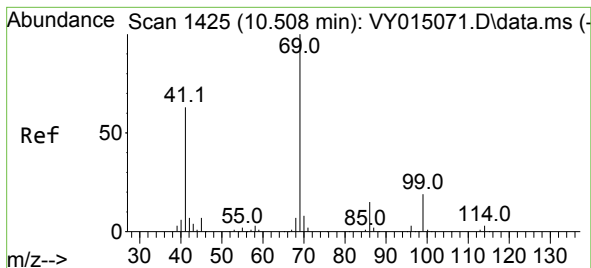
Tgt Ion: 75 Resp: 274009
Ion Ratio Lower Upper
75 100
77 165.9 25.0 37.4#



#55
1,1,2-Trichloroethane
Concen: 151.944 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

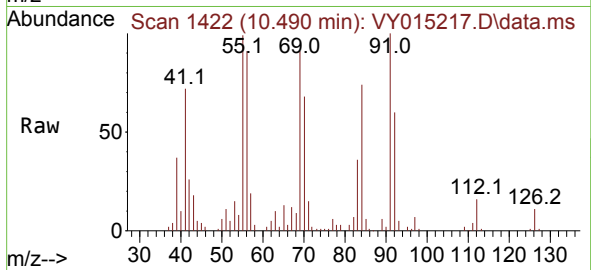
Tgt Ion: 97 Resp: 226090
Ion Ratio Lower Upper
97 100
83 8.5 72.0 108.0#
85 3.4 45.4 68.0#
99 0.1 50.3 75.5#



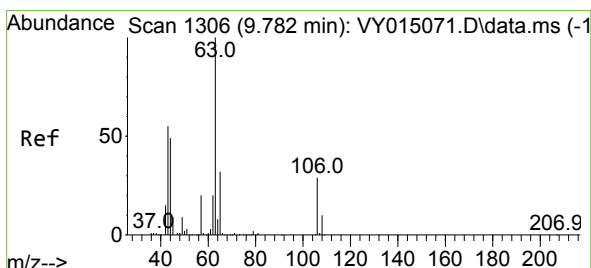
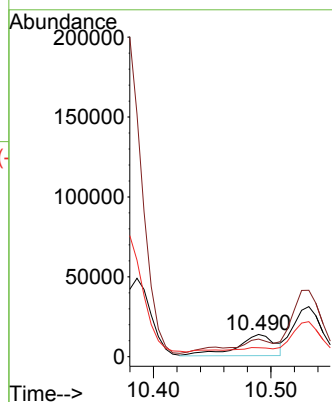
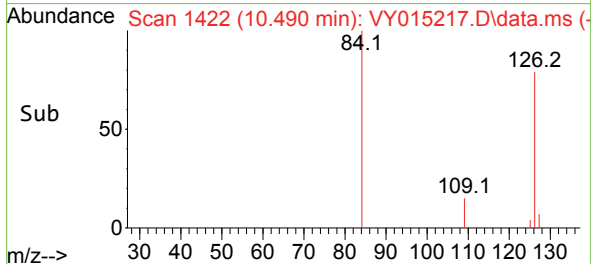


#56
Ethyl methacrylate
Concen: 13.872 ug/l
RT: 10.490 min Scan# 1425
Delta R.T. -0.018 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :

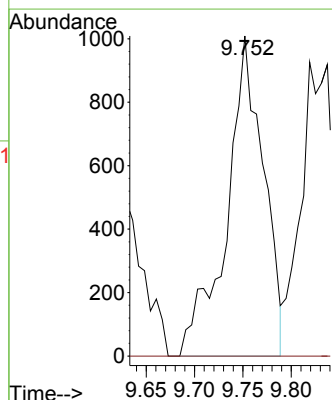
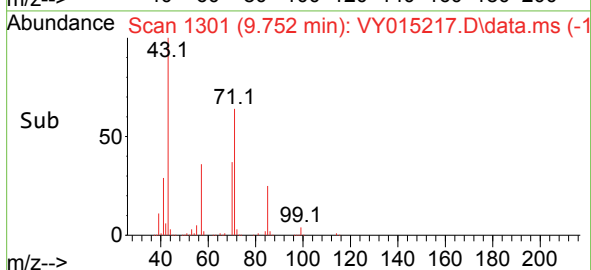
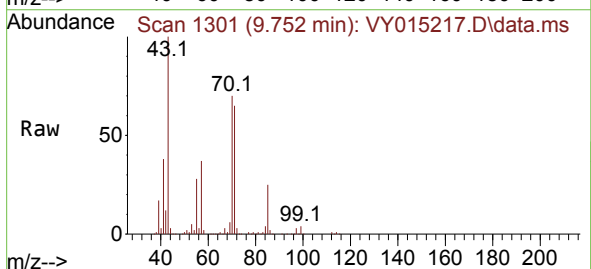


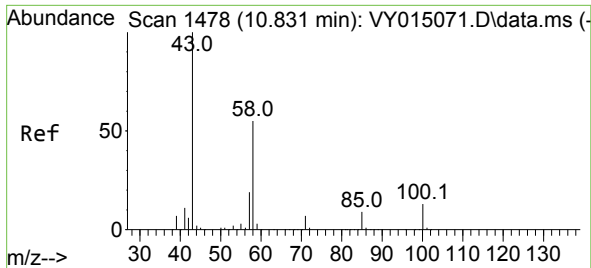
Tgt Ion: 69 Resp: 30208
Ion Ratio Lower Upper
69 100
41 45.8 57.6 86.4#
39 0.0 34.1 51.1#



#58
2-Chloroethyl Vinyl ether
Concen: 2.635 ug/l
RT: 9.752 min Scan# 1301
Delta R.T. -0.024 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 63 Resp: 2670
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

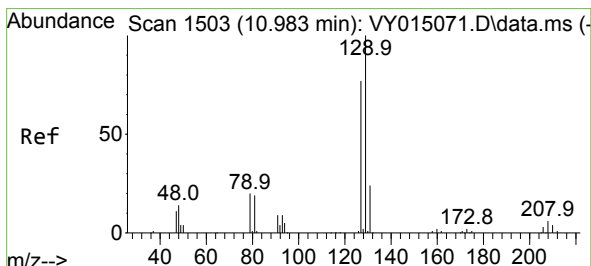
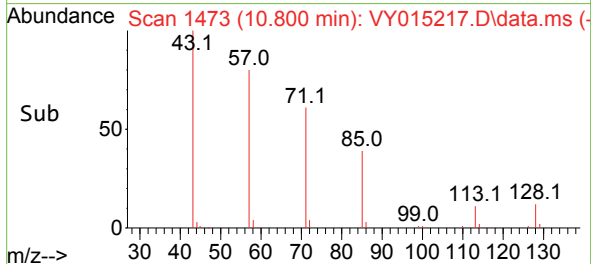
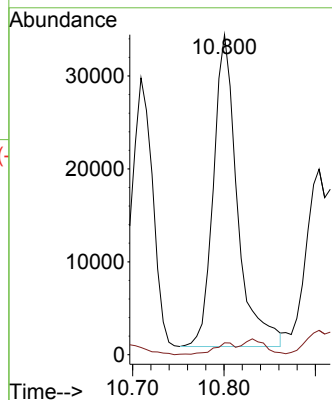
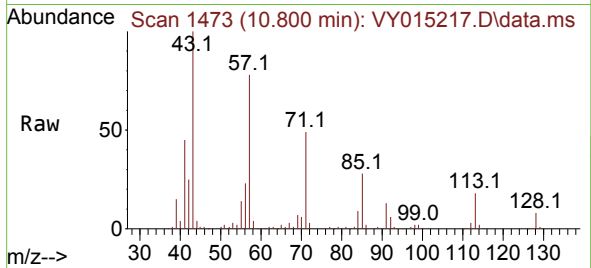




#59
2-Hexanone
Concen: 46.094 ug/l
RT: 10.800 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

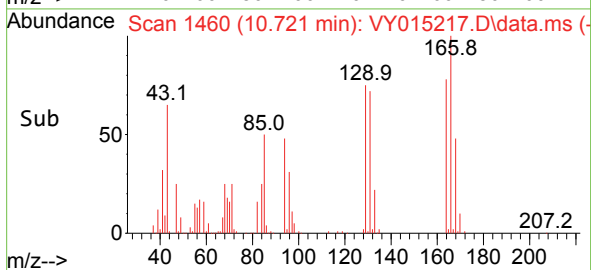
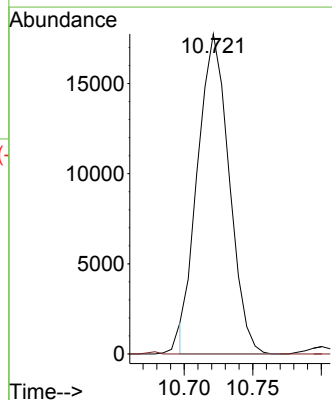
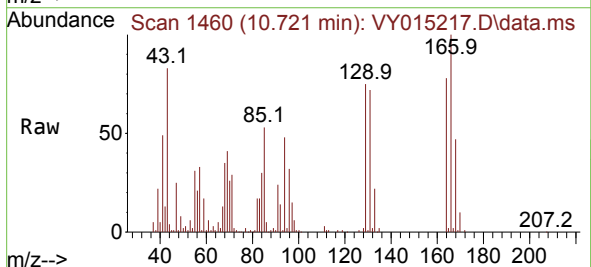
Instrument :
MSVOA_Y
ClientSampleId :

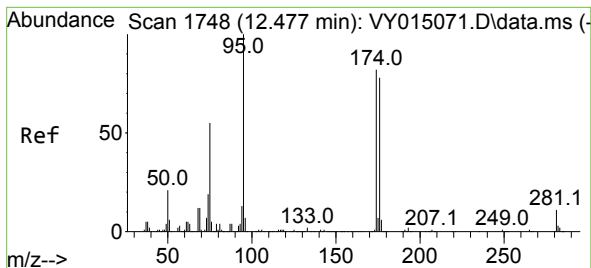
Tgt Ion: 43 Resp: 61080
Ion Ratio Lower Upper
43 100
58 3.0 25.1 75.3#



#60
Dibromochloromethane
Concen: 15.924 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion:129 Resp: 28264
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

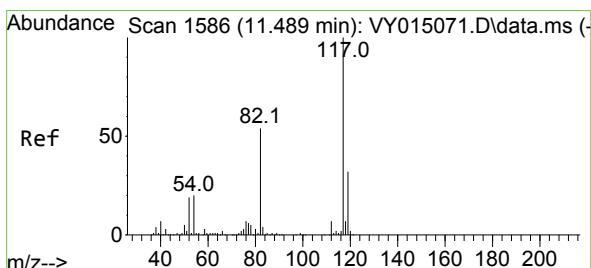
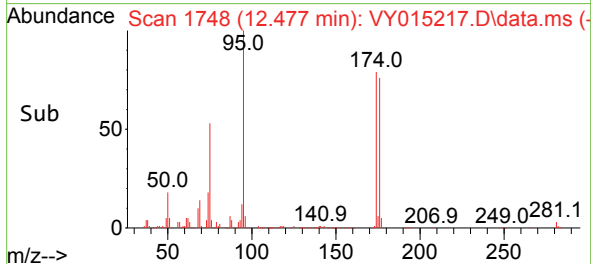
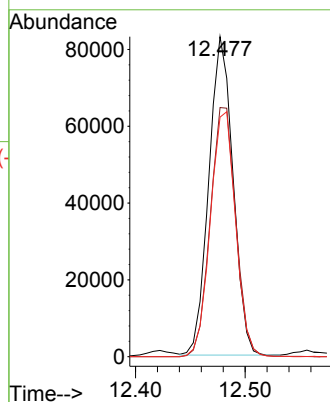
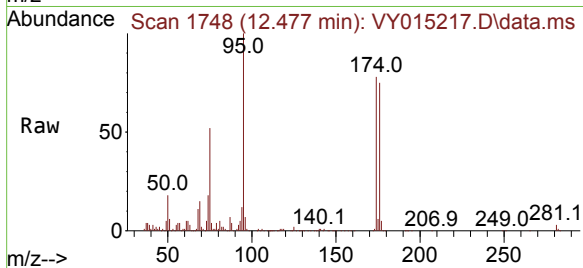




#62
4-Bromofluorobenzene
Concen: 56.829 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

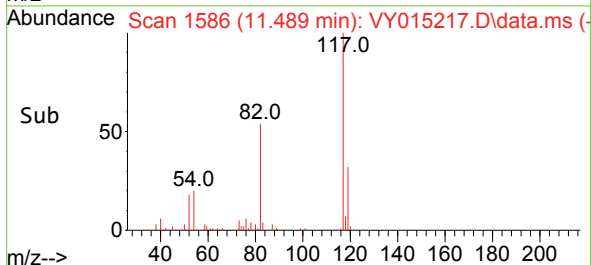
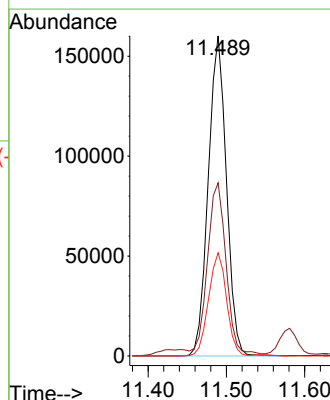
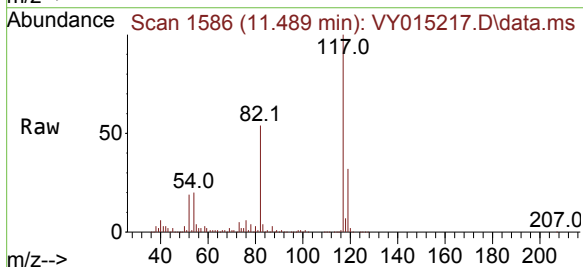
Instrument :
MSVOA_Y
ClientSampleId :

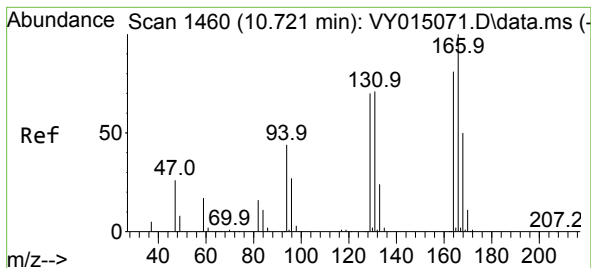
Tgt Ion: 95 Resp: 127113
Ion Ratio Lower Upper
95 100
174 82.6 0.0 178.2
176 80.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 117 Resp: 257005
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 32.3 26.3 39.5





#64

Tetrachloroethene

Concen: 17.312 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

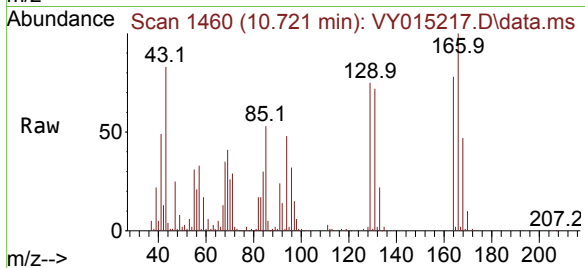
Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:164 Resp: 30998

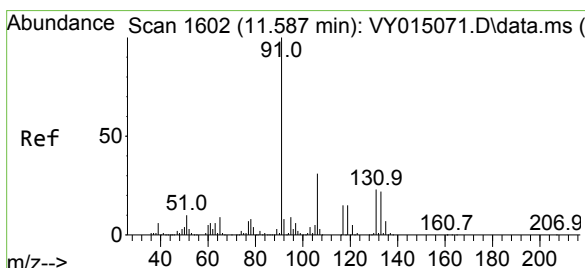
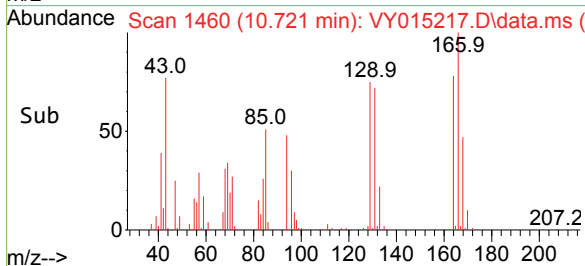
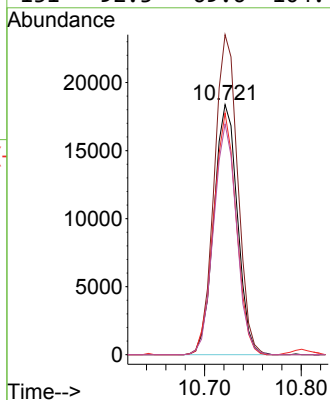
Ion Ratio Lower Upper

164 100

166 127.9 103.0 154.6

129 96.6 77.2 115.8

131 92.3 69.6 104.4



#67

Ethyl Benzene

Concen: 2073.165 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY015217.D

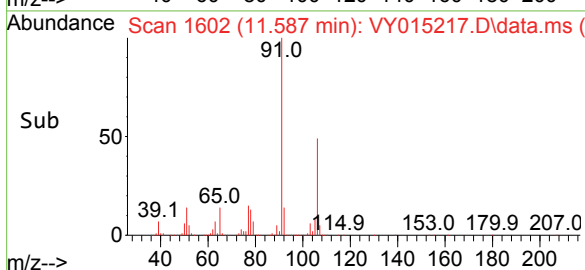
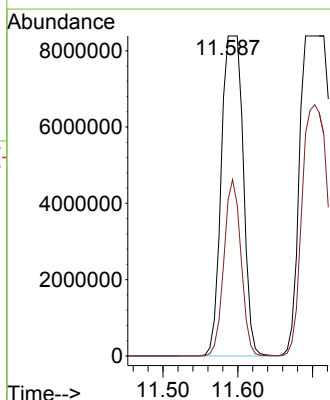
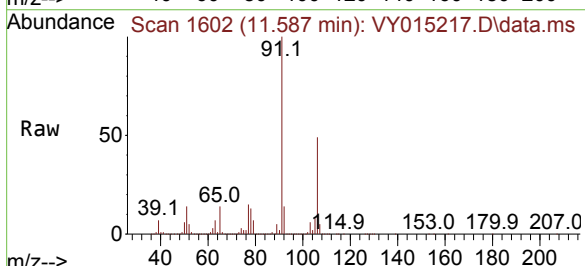
Acq: 21 Aug 2023 13:51

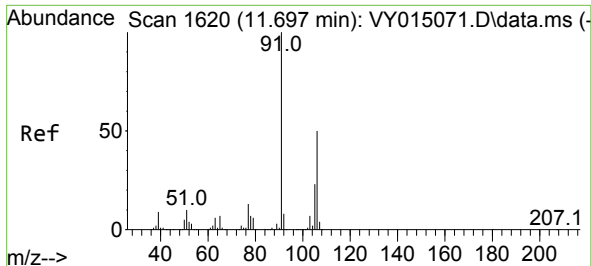
Tgt Ion: 91 Resp:17009220

Ion Ratio Lower Upper

91 100

106 48.9 24.6 36.8#

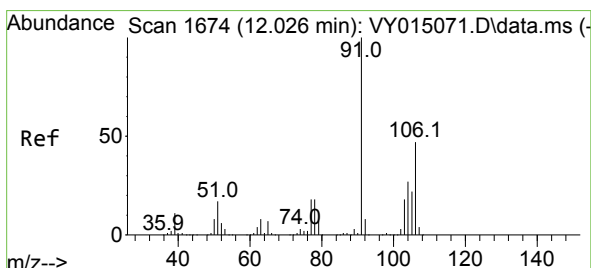
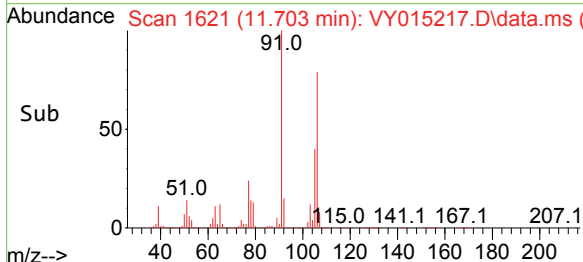
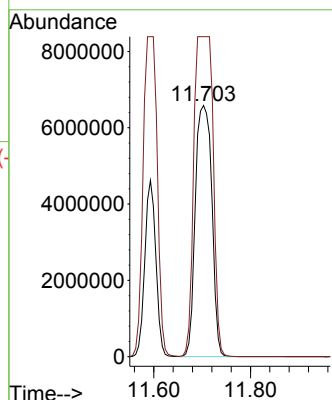
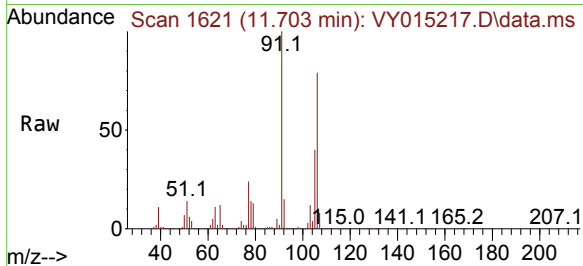




#68
m/p-Xylenes
Concen: 4971.785 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

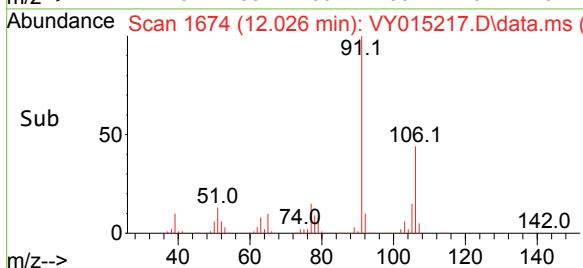
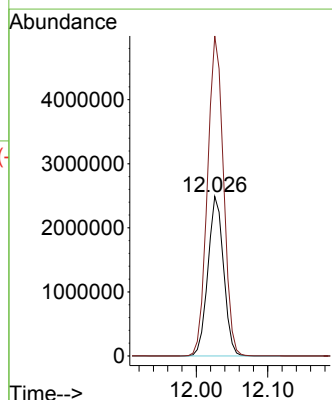
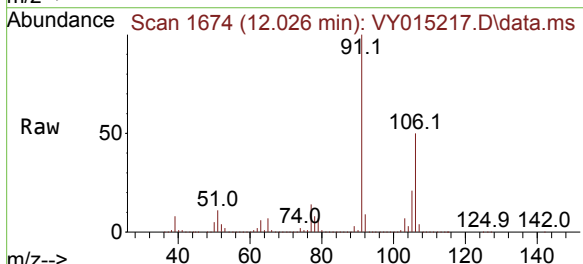
Instrument :
MSVOA_Y
ClientSampleId :

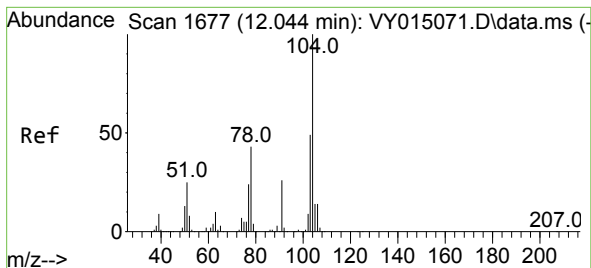
Tgt Ion:106 Resp:15492480
Ion Ratio Lower Upper
106 100
91 0.0 166.1 249.1#



#69
o-Xylene
Concen: 1218.357 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion:106 Resp: 3782008
Ion Ratio Lower Upper
106 100
91 205.5 108.1 324.3





#70

Styrene

Concen: 34.898 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :

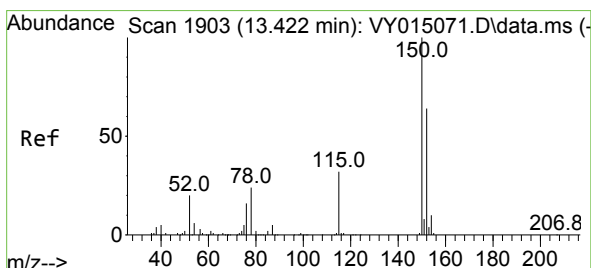
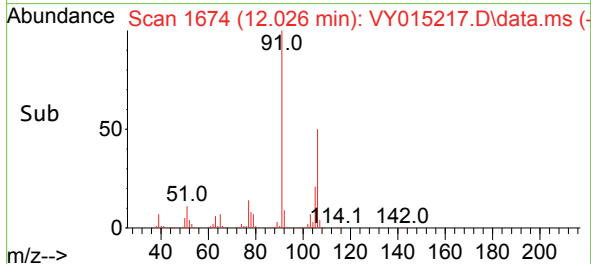
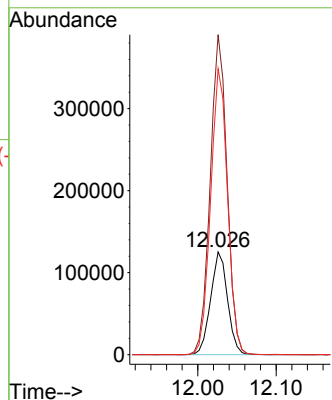
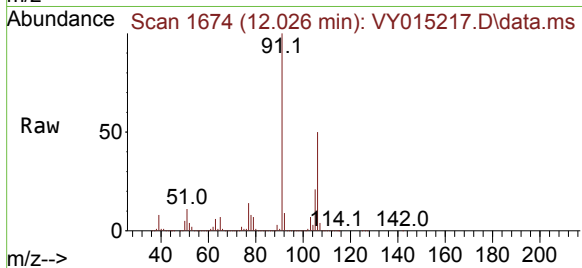
Tgt Ion:104 Resp: 187493

Ion Ratio Lower Upper

104 100

78 310.5 41.5 62.3#

103 279.1 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

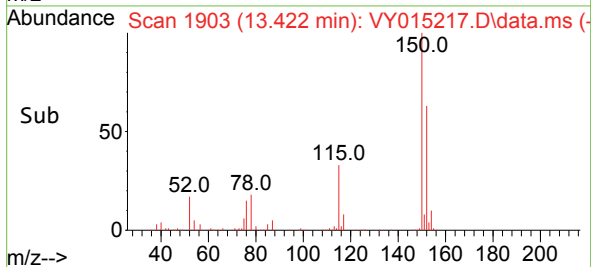
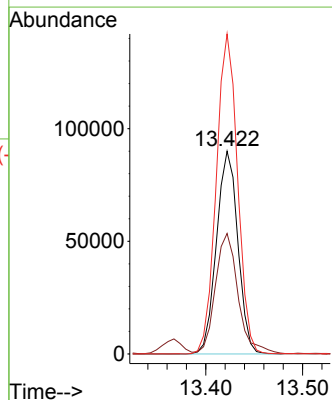
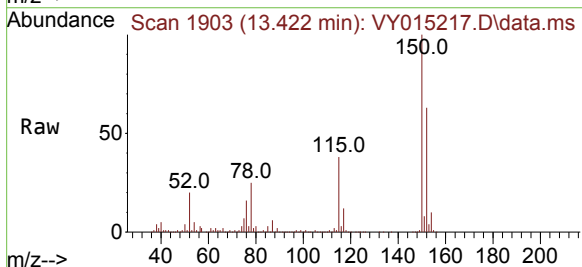
Tgt Ion:152 Resp: 138041

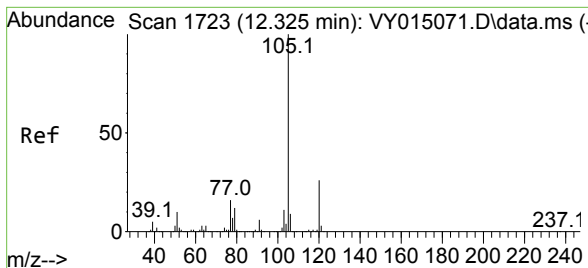
Ion Ratio Lower Upper

152 100

115 62.9 28.8 86.5

150 157.3 0.0 348.8





#73

Isopropylbenzene

Concen: 14.348 ug/l

RT: 12.325 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

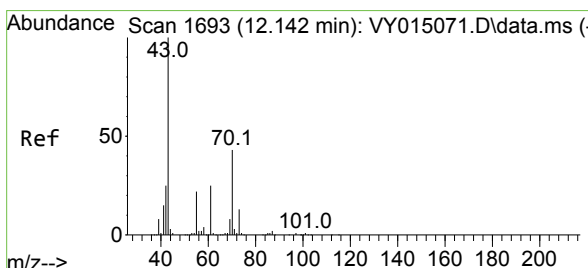
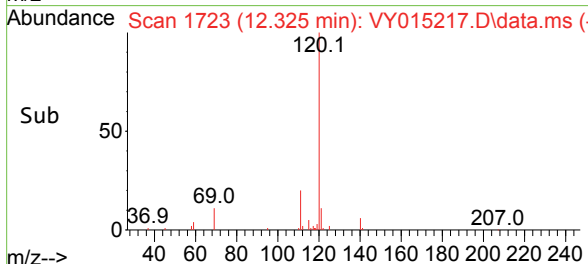
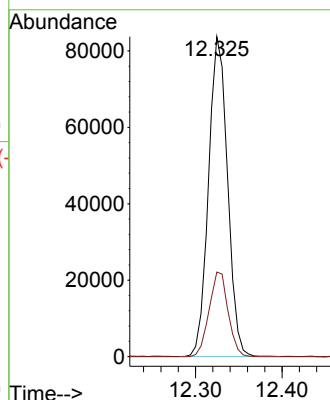
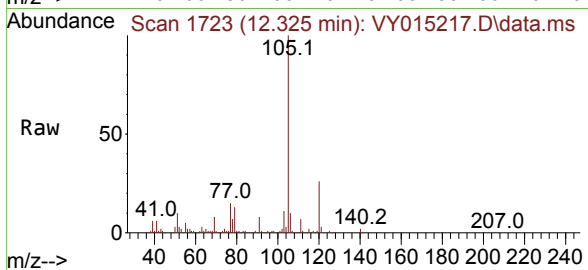
ClientSampleId :

Tgt Ion:105 Resp: 127363

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 3.159 ug/l

RT: 12.117 min Scan# 1689

Delta R.T. -0.024 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Tgt Ion: 43 Resp: 10123

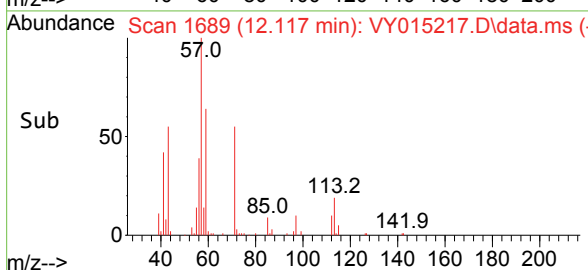
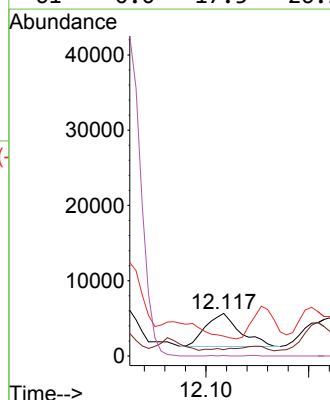
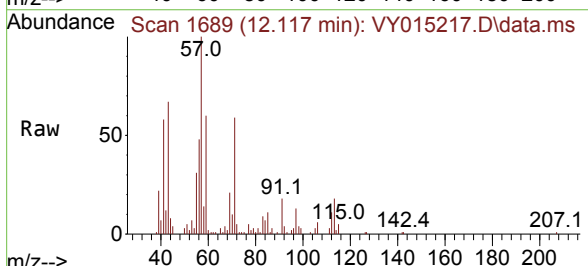
Ion Ratio Lower Upper

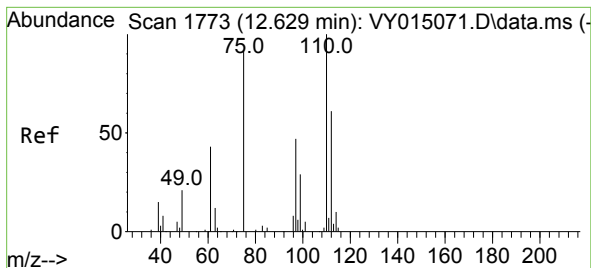
43 100

70 0.0 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#

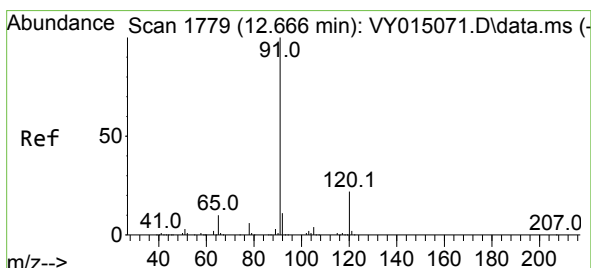
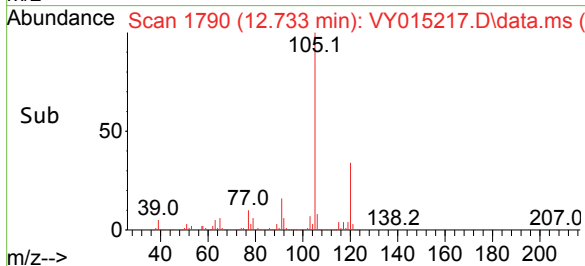
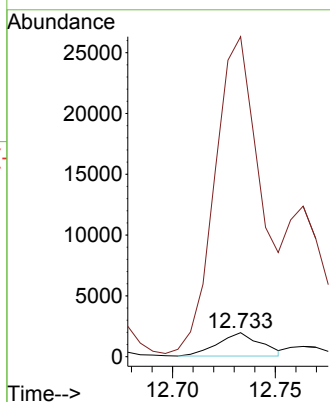
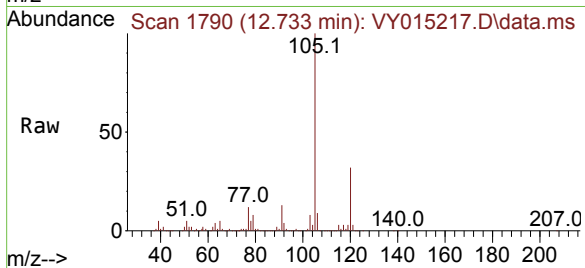




#76
1,2,3-Trichloropropane
Concen: 1.646 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. 0.104 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

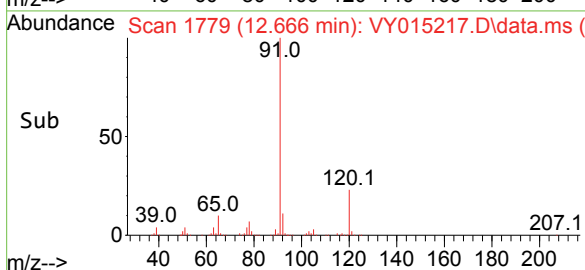
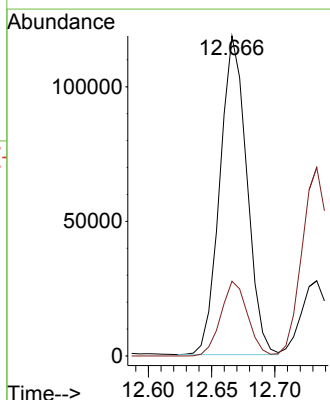
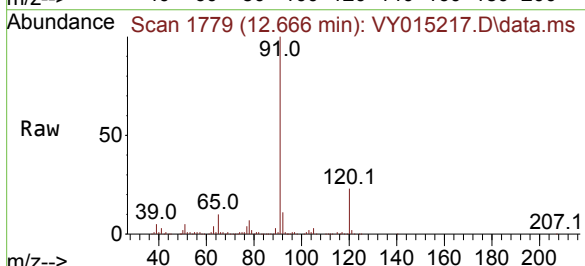
Instrument :
MSVOA_Y
ClientSampleId :

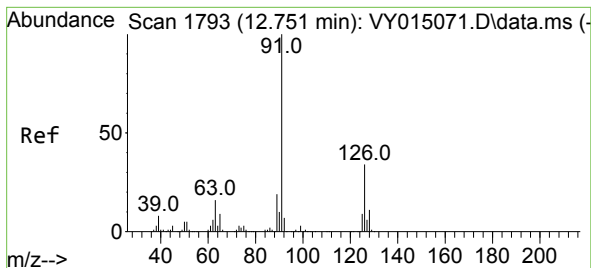
Tgt Ion: 75 Resp: 2760
Ion Ratio Lower Upper
75 100
77 1460.7 0.0 0.0#



#78
n-propylbenzene
Concen: 16.601 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 91 Resp: 174991
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 6.702 ug/l

RT: 12.733 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

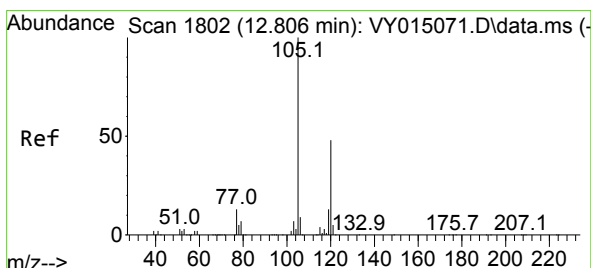
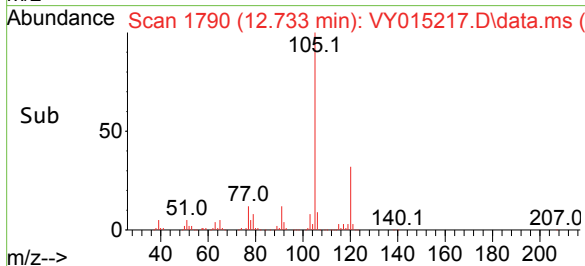
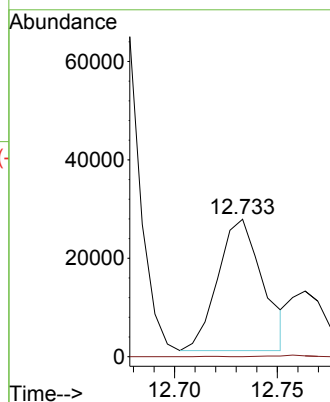
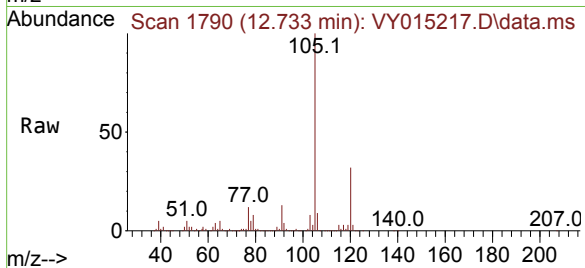
ClientSampleId :

Tgt Ion: 91 Resp: 40750

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#



#80

1,3,5-Trimethylbenzene

Concen: 9.168 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015217.D

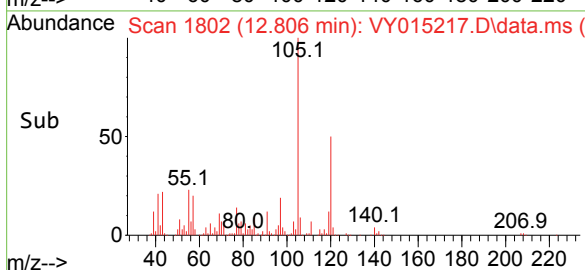
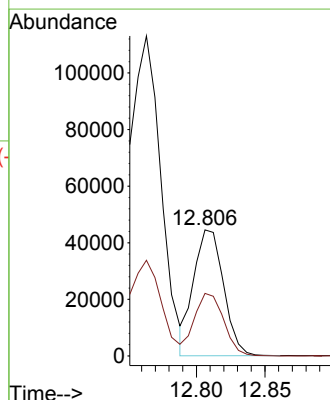
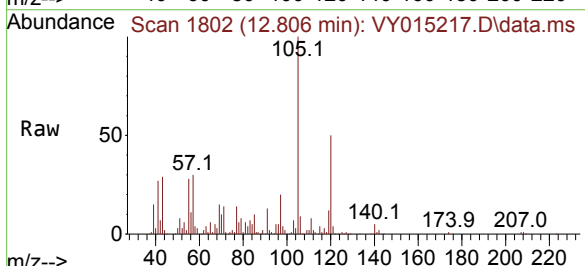
Acq: 21 Aug 2023 13:51

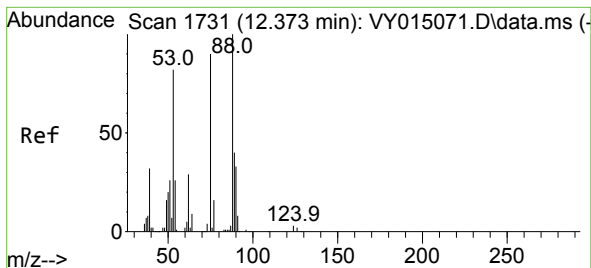
Tgt Ion: 105 Resp: 67833

Ion Ratio Lower Upper

105 100

120 48.7 23.9 71.7

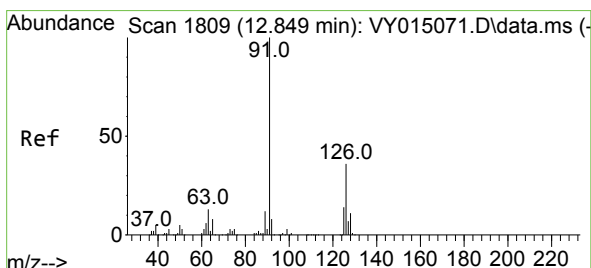
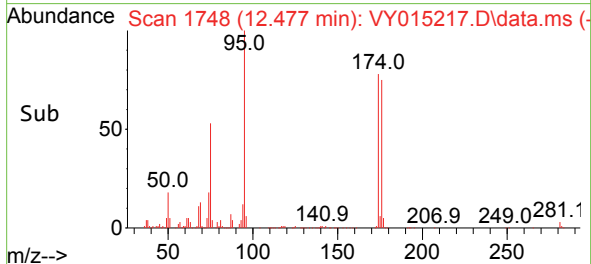
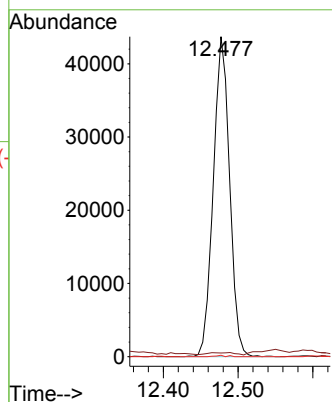
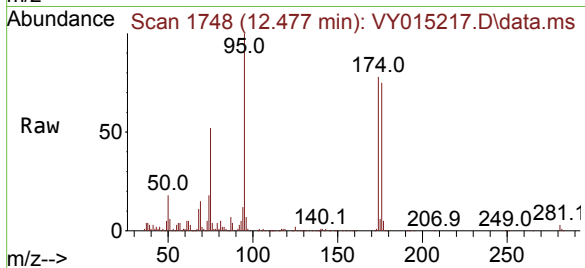




#81
trans-1,4-Dichloro-2-butene
Concen: 86.783 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

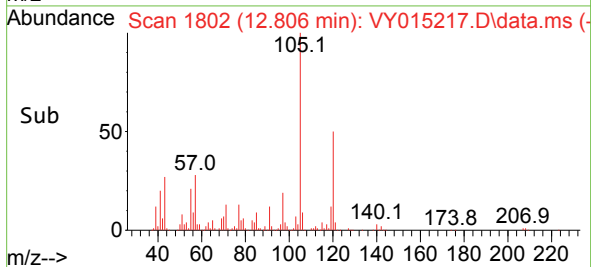
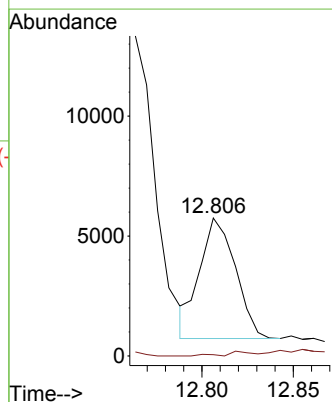
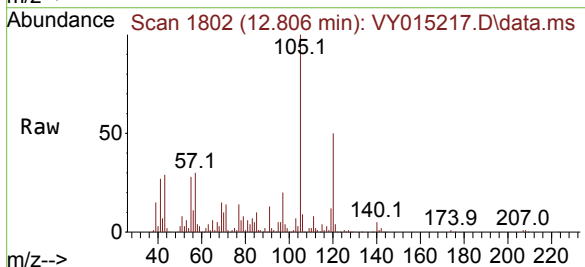
Instrument :
MSVOA_Y
ClientSampleId :

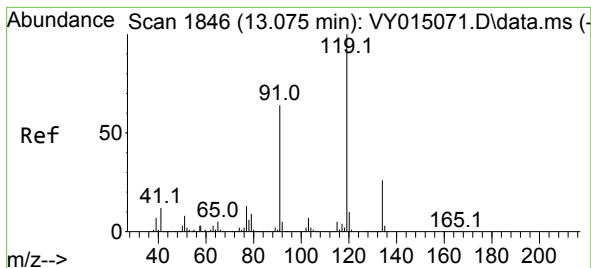
Tgt Ion: 75 Resp: 66262
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.3 37.4 56.0#



#82
4-Chlorotoluene
Concen: 1.088 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.049 min
Lab File: VY015217.D
Acq: 21 Aug 2023 13:51

Tgt Ion: 91 Resp: 6836
Ion Ratio Lower Upper
91 100
126 2.9 17.2 51.6#





#83

tert-Butylbenzene

Concen: 5.551 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.043 min

Lab File: VY015217.D

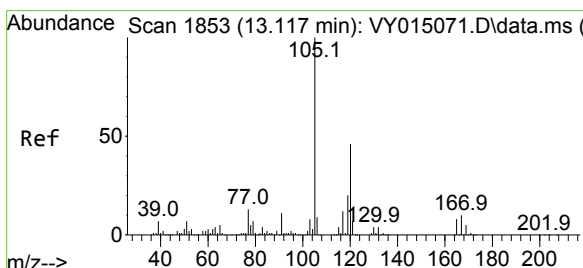
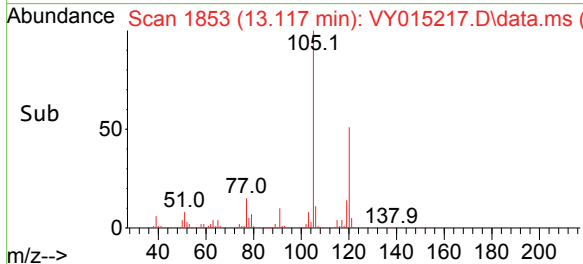
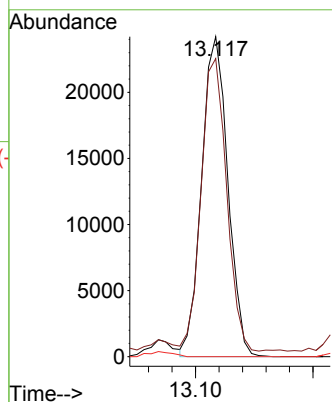
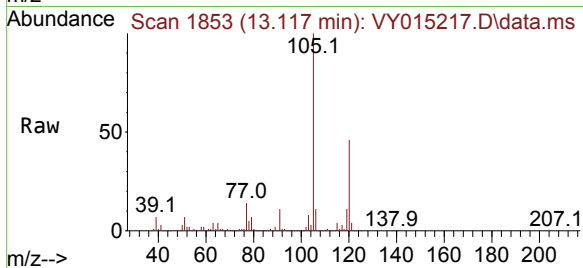
Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	119	Resp:	37565
Ion Ratio	Lower	Upper	
119	100		
91	88.6	32.9	98.6
134	0.0	13.0	38.9#



#84

1,2,4-Trimethylbenzene

Concen: 45.470 ug/l

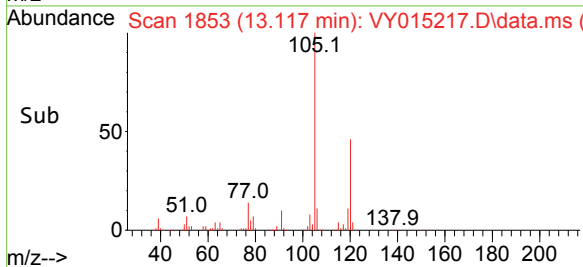
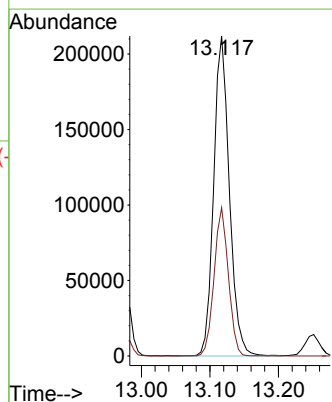
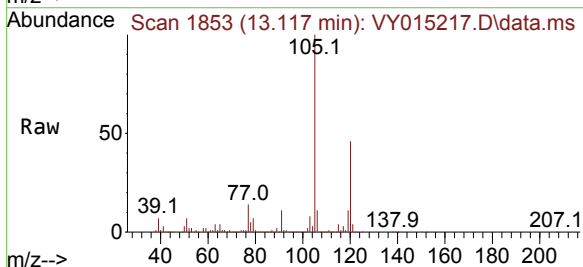
RT: 13.117 min Scan# 1853

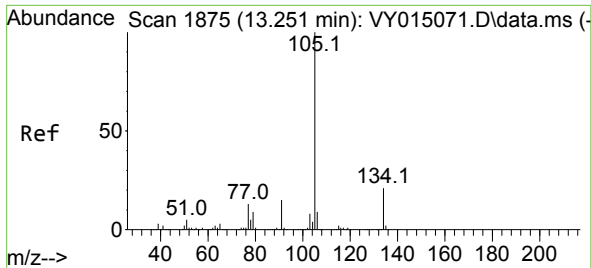
Delta R.T. 0.000 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Tgt Ion:	105	Resp:	336189
Ion Ratio	Lower	Upper	
105	100		
120	42.4	22.2	66.6

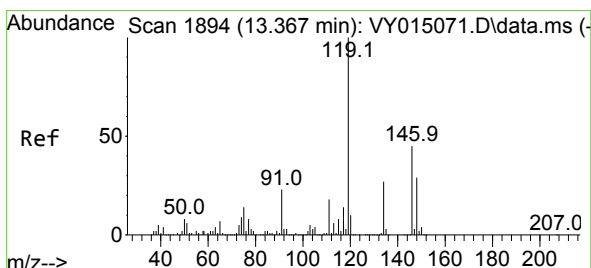
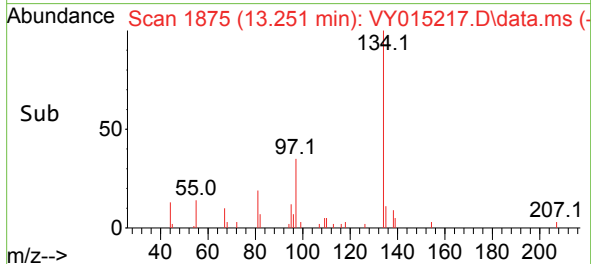
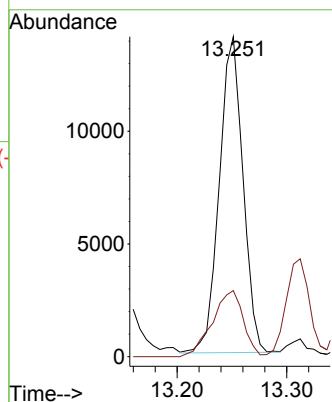
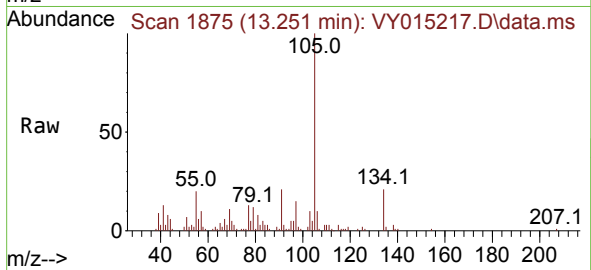




#85
 sec-Butylbenzene
 Concen: 2.121 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY015217.D
 Acq: 21 Aug 2023 13:51

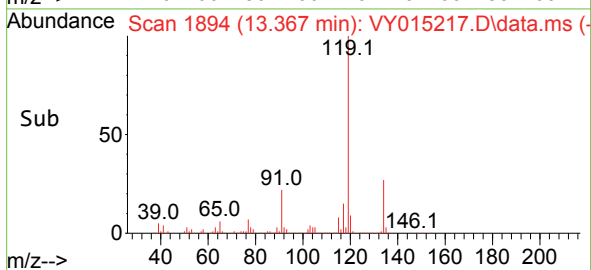
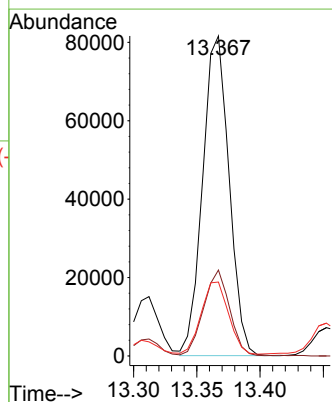
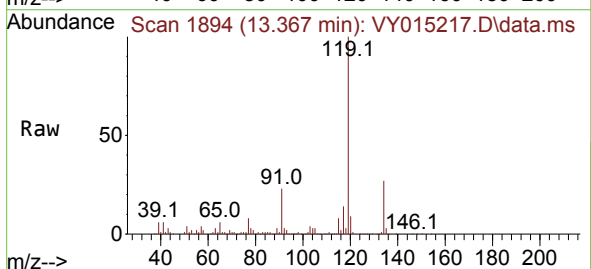
Instrument :
 MSVOA_Y
 ClientSampleId :

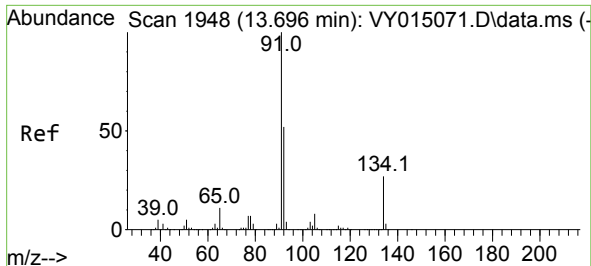
Tgt Ion:105 Resp: 21035
 Ion Ratio Lower Upper
 105 100
 134 27.2 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 14.447 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY015217.D
 Acq: 21 Aug 2023 13:51

Tgt Ion:119 Resp: 118778
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 23.3 12.4 37.4





#89

n-Butylbenzene

Concen: 8.106 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :

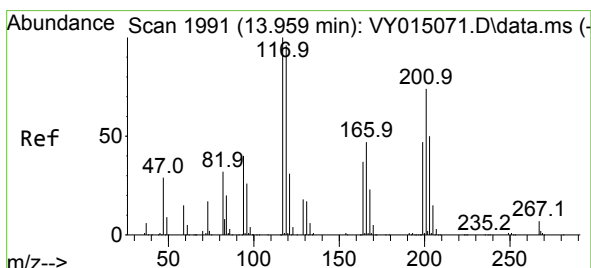
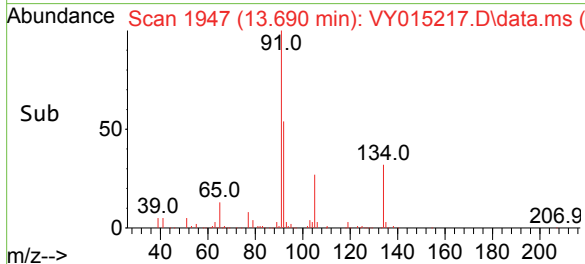
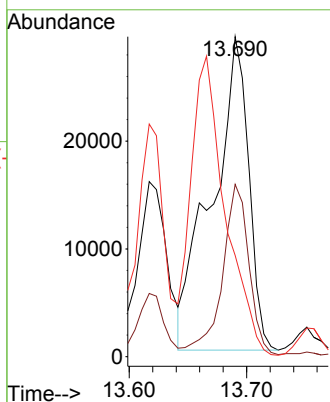
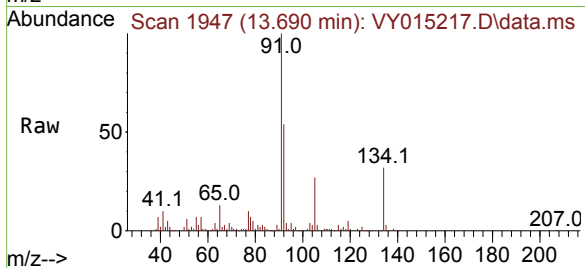
Tgt Ion: 91 Resp: 62838

Ion Ratio Lower Upper

91 100

92 39.3 25.4 76.0

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 12.266 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY015217.D

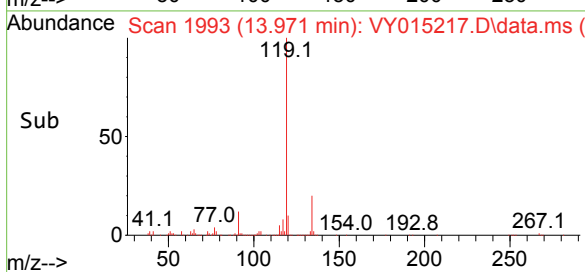
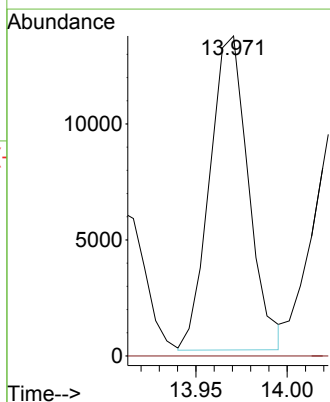
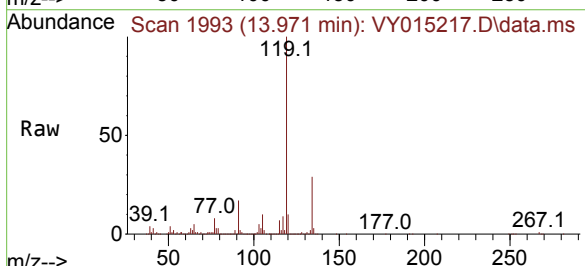
Acq: 21 Aug 2023 13:51

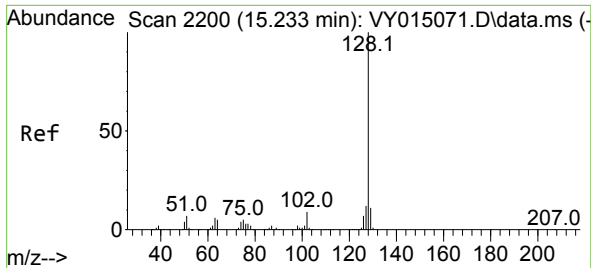
Tgt Ion: 117 Resp: 20006

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#





#95

Naphthalene

Concen: 135.837 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

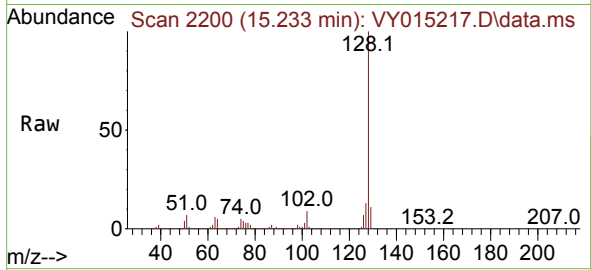
Lab File: VY015217.D

Acq: 21 Aug 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 870922

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.9 8.6 13.0

