

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015008.D
 Acq On : 09 Aug 2023 16:18
 Operator : SY/MD
 Sample : 03945-02
 Misc : 6.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB01-Z78-80

Quant Time: Aug 10 01:47:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	209346	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	386974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	301582	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.416	152	36012	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	68738	27.091	ug/l	0.04
Spiked Amount 50.000	Range 50 - 163		Recovery =	54.180%		
35) Dibromofluoromethane	7.722	113	117730	47.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.160%		
50) Toluene-d8	10.185	98	698817	74.192	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	148.380%#		
62) 4-Bromofluorobenzene	12.483	95	727122	217.815	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	435.620%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.893	85	20	Below Cal	#	43
3) Chloromethane	2.210	50	46332	28.122	ug/l #	80
4) Vinyl Chloride	2.241	62	3351	1.651	ug/l	98
5) Bromomethane	2.655	94	560	Below Cal		83
11) Tert butyl alcohol	4.948	59	2761	4.509	ug/l #	89
13) Acrolein	3.686	56	19234	92.329	ug/l #	1
14) Allyl chloride	4.576	41	261945	95.062	ug/l #	63
15) Acrylonitrile	5.155	53	2116	2.926	ug/l #	41
16) Acetone	3.942	43	63919	80.785	ug/l #	82
17) Carbon Disulfide	4.192	76	114408	31.272	ug/l	99
18) Methyl Acetate	4.551	43	114492	39.735	ug/l #	55
19) Methyl tert-butyl Ether	5.216	73	44952	7.180	ug/l #	1
20) Methylene Chloride	4.716	84	33932	Below Cal	#	69
23) Vinyl Acetate	6.033	43	39636	10.273	ug/l #	78
25) 2-Butanone	6.978	43	37666	33.237	ug/l #	61
27) cis-1,2-Dichloroethene	6.984	96	2473	1.036	ug/l	91
28) Bromochloromethane	7.526	49	12136	7.395	ug/l #	14
29) Tetrahydrofuran	7.350	42	2707	4.073	ug/l #	35
30) Chloroform	7.465	83	105419	26.656	ug/l #	19
31) Cyclohexane	7.782	56	1741569	709.858	ug/l	95
36) 1,1-Dichloropropene	8.148	75	831917	270.781	ug/l #	1
37) Ethyl Acetate	6.978	43	37666	15.445	ug/l #	85
38) Carbon Tetrachloride	7.795	117	21545	6.238	ug/l #	17
39) Methylcyclohexane	9.185	83	5441087	1489.244	ug/l	96
41) Methacrylonitrile	7.356	41	25781	21.754	ug/l #	35
42) 1,2-Dichloroethane	8.167	62	693044	220.080	ug/l #	78
43) Isopropyl Acetate	8.270	43	309927	68.404	ug/l #	55
45) 1,2-Dichloropropane	9.246	63	15296	6.362	ug/l #	1
47) Bromodichloromethane	9.465	83	58430	16.382	ug/l #	89
48) Methyl methacrylate	9.246	41	373901	188.086	ug/l #	43
49) 1,4-Dioxane	9.557	88	33	1.145	ug/l #	36
51) 4-Methyl-2-Pentanone	10.185	43	108274	42.406	ug/l #	46
52) Toluene	10.245	92	8173680	1404.008	ug/l	87
55) 1,1,2-Trichloroethane	10.623	97	925267	411.028	ug/l #	20
56) Ethyl methacrylate	10.526	69	325558	101.000	ug/l #	10
57) 1,3-Dichloropropane	10.825	76	4671	1.254	ug/l #	1

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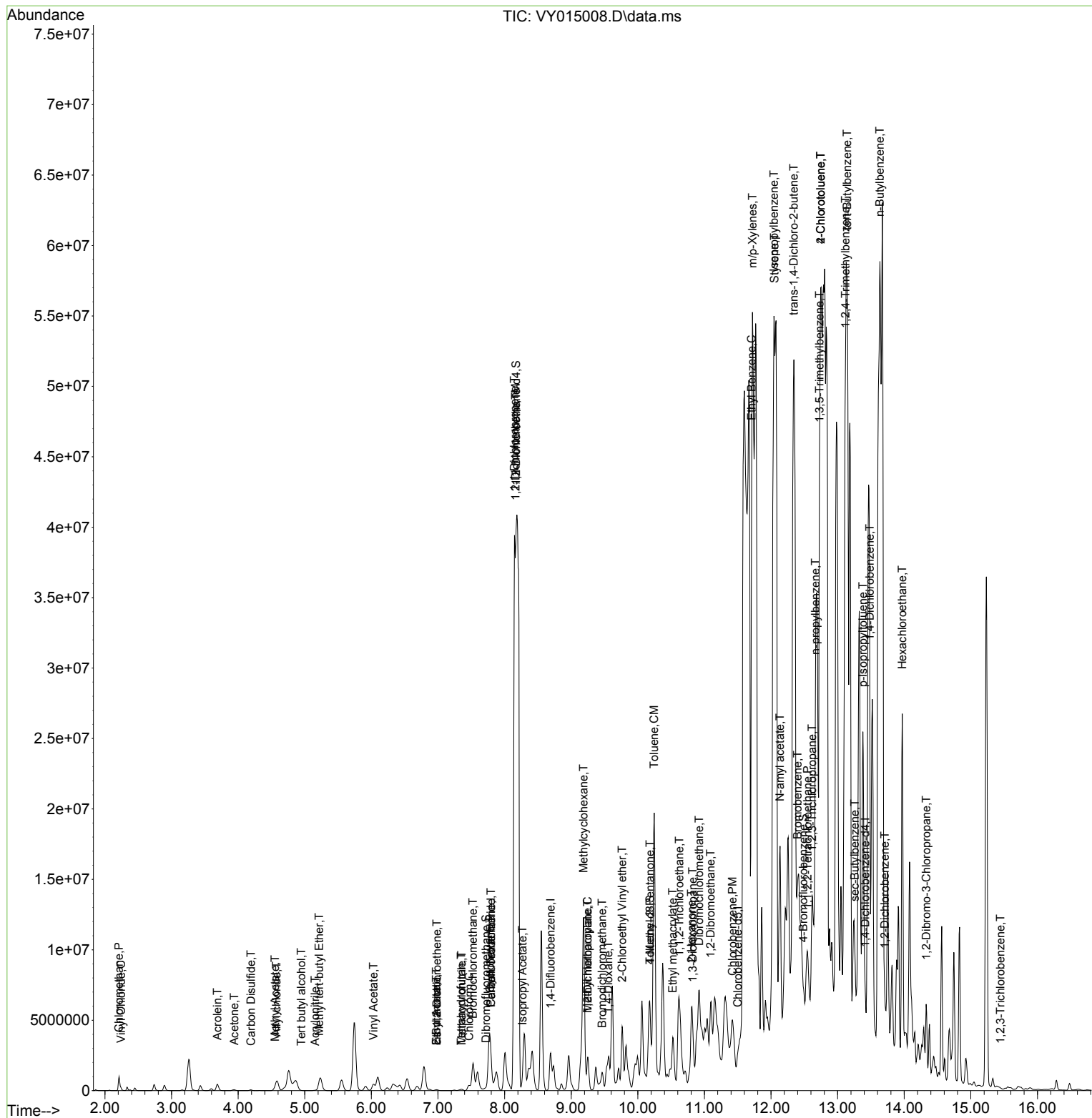
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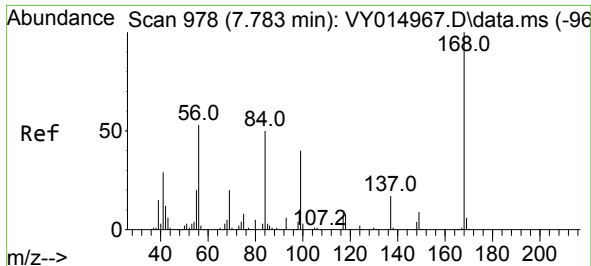
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
58) 2-Chloroethyl Vinyl ether	9.764	63	57709	37.864	ug/l	#	49
59) 2-Hexanone	10.806	43	1919394	1017.620	ug/l	#	32
60) Dibromochloromethane	10.922	129	4333	1.617	ug/l	#	11
61) 1,2-Dibromoethane	11.093	107	11531	5.367	ug/l	#	1
65) Chlorobenzene	11.422	112	25789	4.507	ug/l	#	45
67) Ethyl Benzene	11.709	91	2749415	273.766	ug/l	#	1
68) m/p-Xylenes	11.721	106	18306441	4764.936	ug/l	#	1
70) Styrene	12.050	104	1295283	201.612	ug/l	#	1
73) Isopropylbenzene	12.044	105	630374	260.400	ug/l	#	48
74) N-amyl acetate	12.135	43	2920589	3531.162	ug/l	#	67
75) 1,1,2,2-Tetrachloroethane	12.550	83	237788	401.949	ug/l	#	84
76) 1,2,3-Trichloropropane	12.617	75	68607	158.993	ug/l	#	100
77) Bromobenzene	12.398	156	554783	944.804	ug/l	#	1
78) n-propylbenzene	12.666	91	2893529	999.358	ug/l	#	1
79) 2-Chlorotoluene	12.745	91	1952598	1183.290	ug/l	#	40
80) 1,3,5-Trimethylbenzene	12.727	105	3162046	1585.064	ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.343	75	872582	4454.886	ug/l	#	61
82) 4-Chlorotoluene	12.745	91	1952598	1144.632	ug/l	#	40
83) tert-Butylbenzene	13.141	119	10411343	5705.063	ug/l	#	44
84) 1,2,4-Trimethylbenzene	13.117	105	4017594	2010.115	ug/l	#	32
85) sec-Butylbenzene	13.257	105	1529514	571.059	ug/l	#	56
86) p-Isopropyltoluene	13.379	119	10706430	4829.132	ug/l	#	92
88) 1,4-Dichlorobenzene	13.483	146	2038	1.778	ug/l	#	25
89) n-Butylbenzene	13.635	91	12321847	5915.200	ug/l	#	45
90) Hexachloroethane	13.970	117	1720050	3995.131	ug/l	#	8
91) 1,2-Dichlorobenzene	13.708	146	4421	4.168	ug/l	#	36
92) 1,2-Dibromo-3-Chloropr...	14.330	75	17325	149.990	ug/l	#	3
96) 1,2,3-Trichlorobenzene	15.446	180	703	1.144	ug/l	#	13

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

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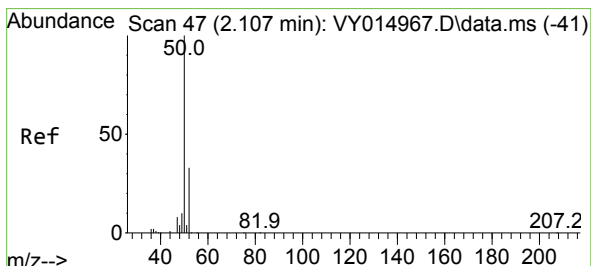
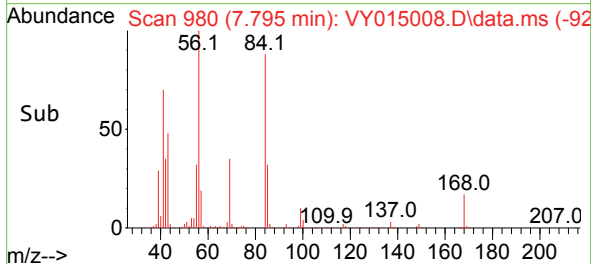
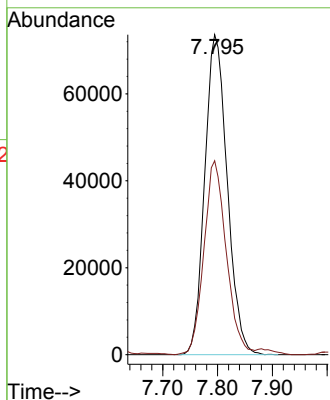
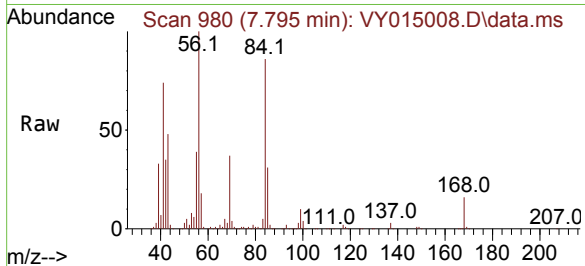




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
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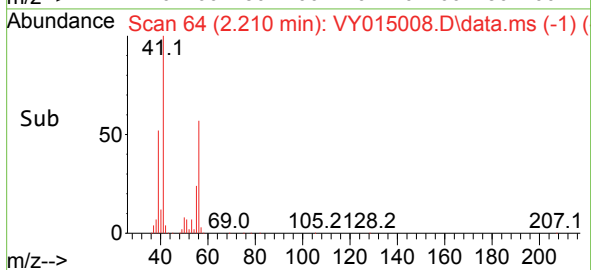
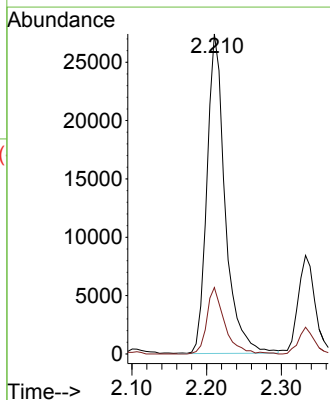
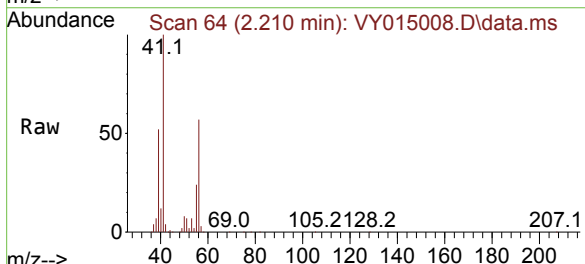
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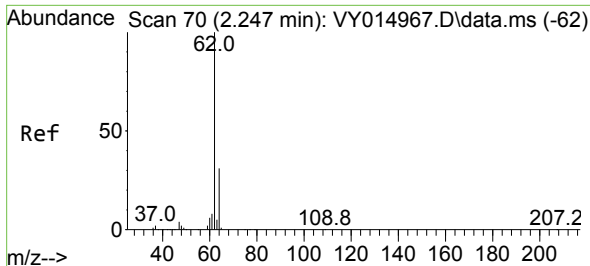
Tgt Ion:168 Resp: 209346
Ion Ratio Lower Upper
168 100
99 60.5 43.4 65.0



#3
Chloromethane
Concen: 28.122 ug/l
RT: 2.210 min Scan# 64
Delta R.T. 0.103 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 50 Resp: 46332
Ion Ratio Lower Upper
50 100
52 20.8 25.4 38.2#

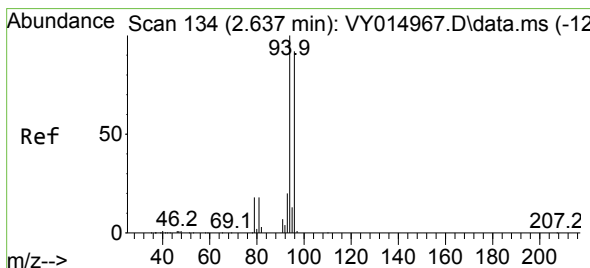
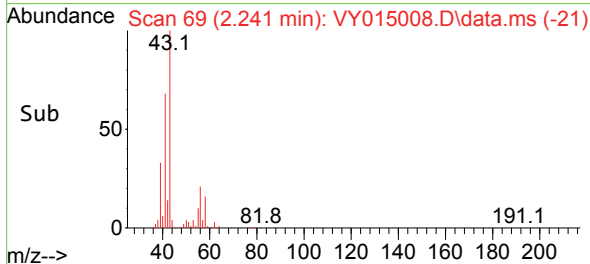
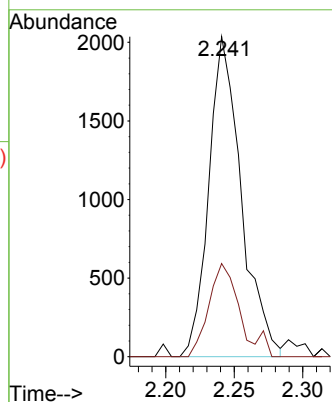
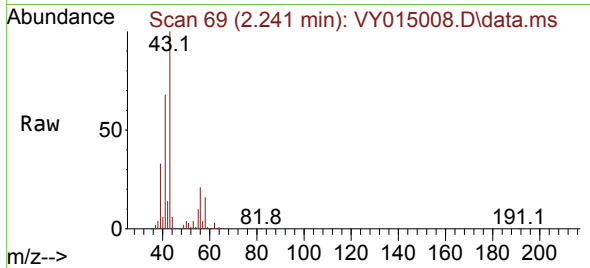




#4
 Vinyl Chloride
 Concen: 1.651 ug/l
 RT: 2.241 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY015008.D
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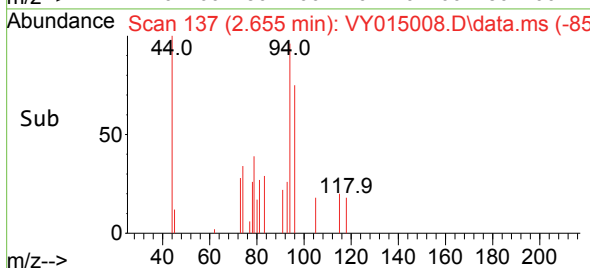
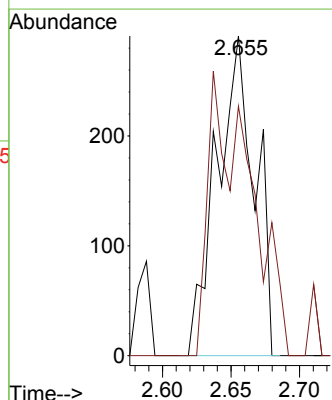
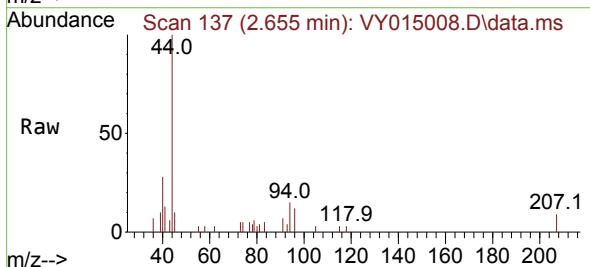
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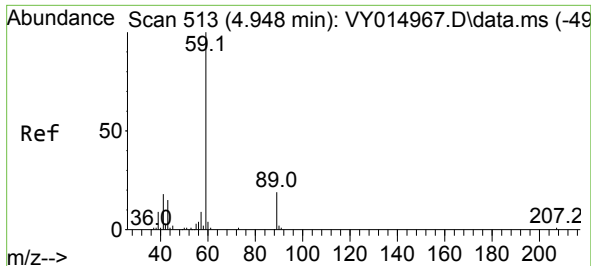
Tgt Ion: 62 Resp: 3351
 Ion Ratio Lower Upper
 62 100
 64 29.1 24.3 36.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.655 min Scan# 137
 Delta R.T. 0.018 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

Tgt Ion: 94 Resp: 560
 Ion Ratio Lower Upper
 94 100
 96 78.0 75.8 113.6

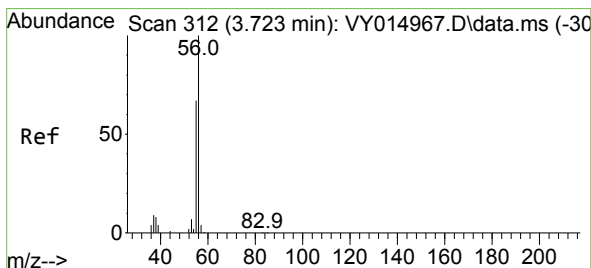
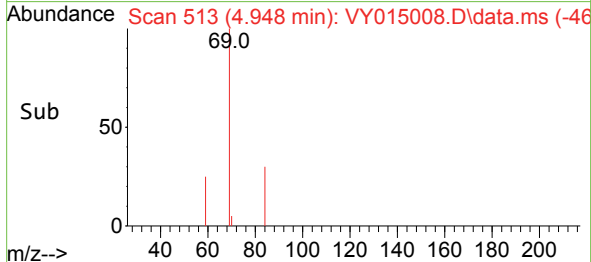
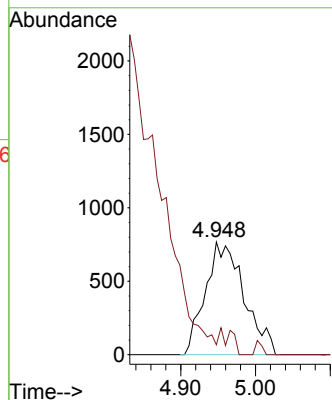
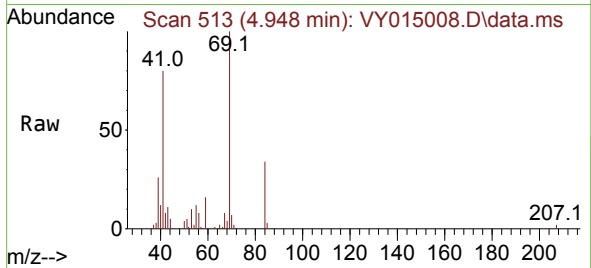




#11
Tert butyl alcohol
Concen: 4.509 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

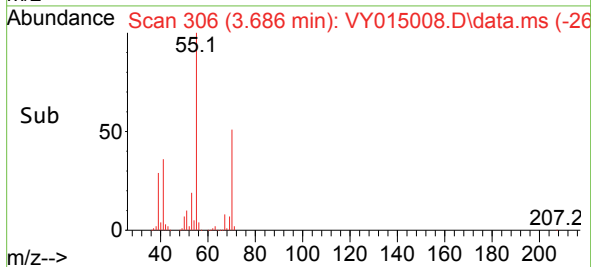
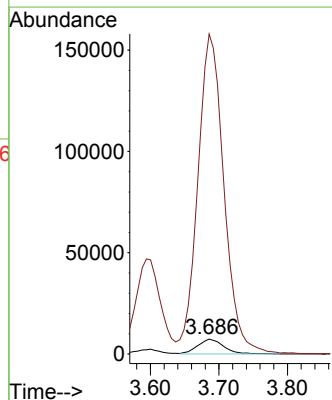
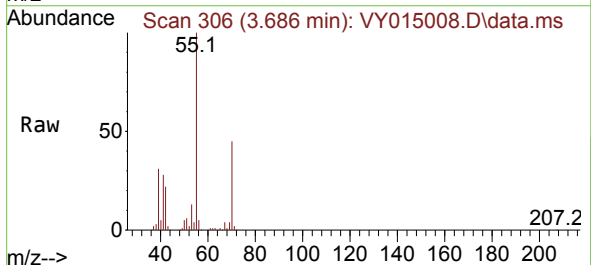
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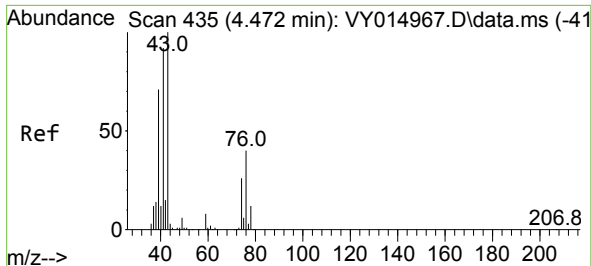
Tgt Ion: 59 Resp: 2761
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 92.329 ug/l
RT: 3.686 min Scan# 306
Delta R.T. -0.037 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 56 Resp: 19234
Ion Ratio Lower Upper
56 100
55 2190.9 57.0 85.4#

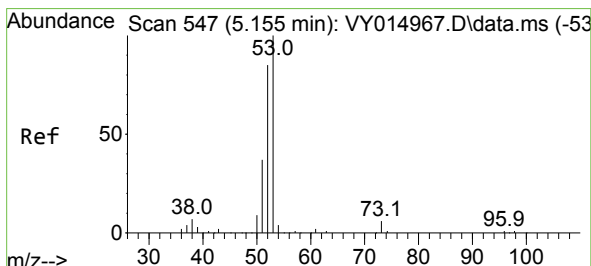
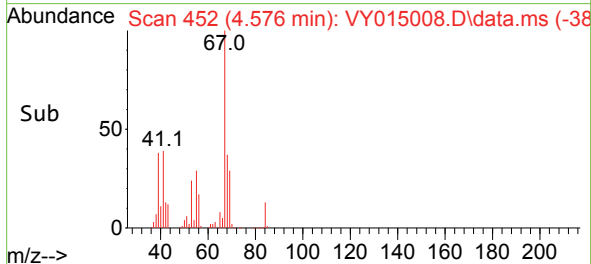
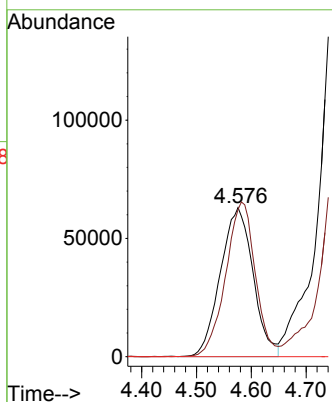
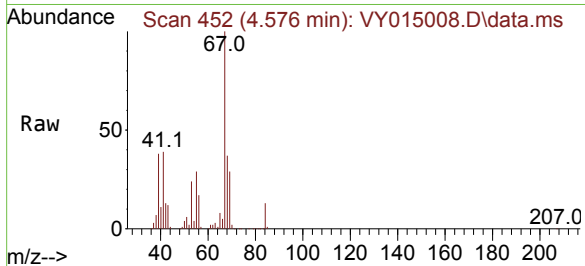




#14
 Allyl chloride
 Concen: 95.062 ug/l
 RT: 4.576 min Scan# 41
 Delta R.T. 0.103 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

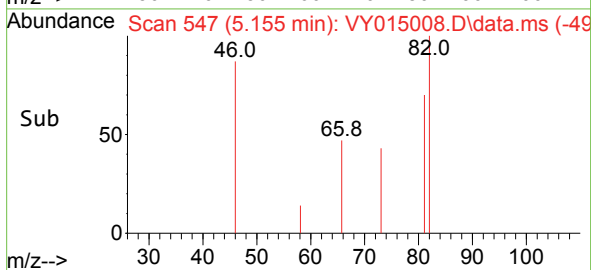
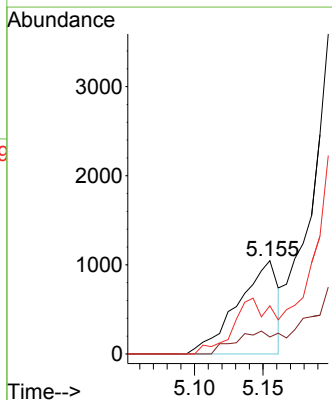
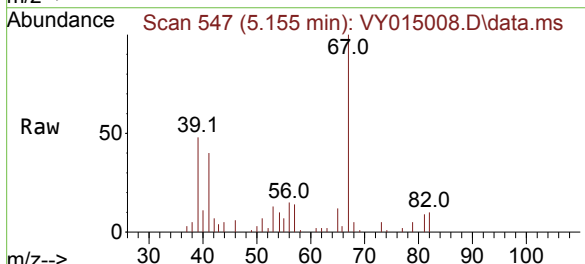
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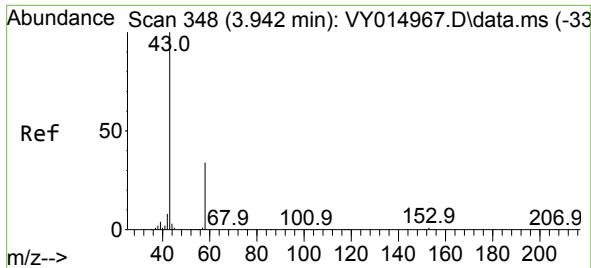
Tgt Ion: 41 Resp: 261945
 Ion Ratio Lower Upper
 41 100
 39 94.2 58.0 87.0#
 76 0.0 27.4 41.2#



#15
 Acrylonitrile
 Concen: 2.926 ug/l
 RT: 5.155 min Scan# 547
 Delta R.T. -0.000 min
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Tgt Ion: 53 Resp: 2116
 Ion Ratio Lower Upper
 53 100
 52 21.5 66.9 100.3#
 51 58.8 29.8 44.6#

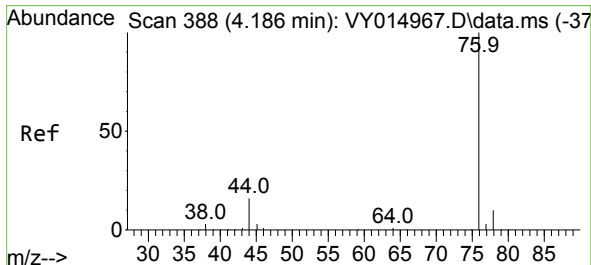
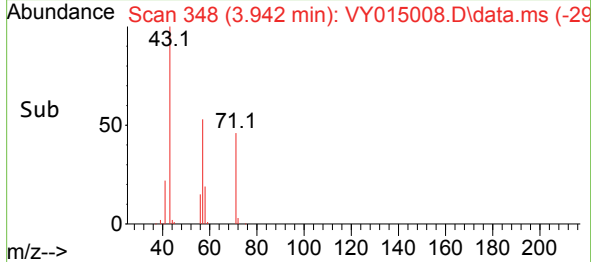
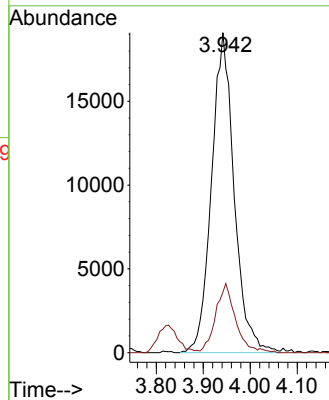
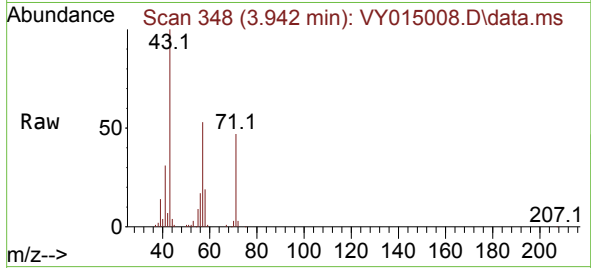




#16
Acetone
Concen: 80.785 ug/l
RT: 3.942 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

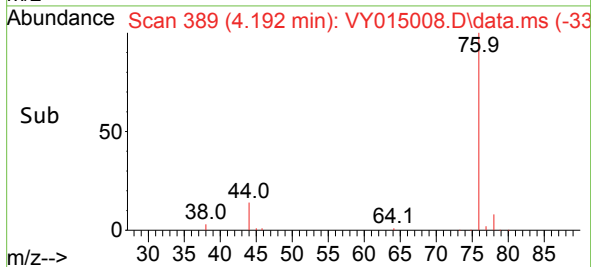
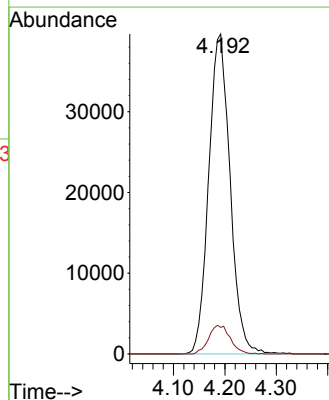
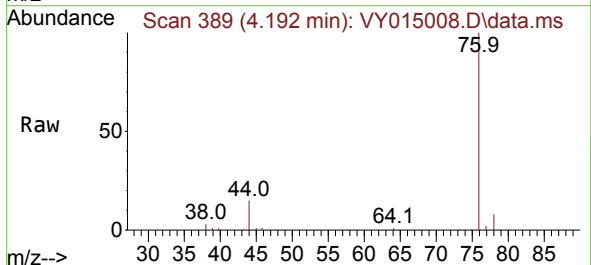
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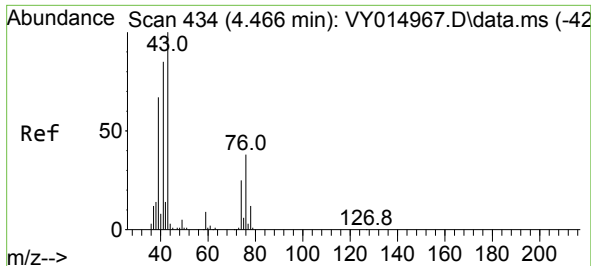
Tgt Ion: 43 Resp: 63919
Ion Ratio Lower Upper
43 100
58 19.0 22.7 34.1#



#17
Carbon Disulfide
Concen: 31.272 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015008.D
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Tgt Ion: 76 Resp: 114408
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4

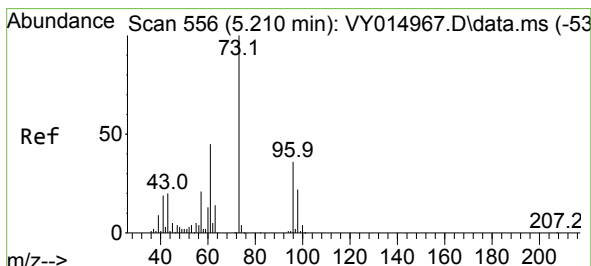
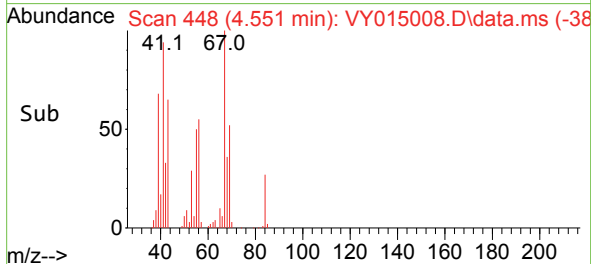
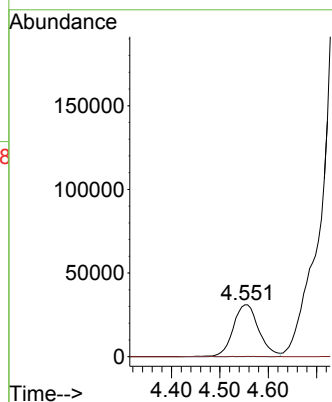
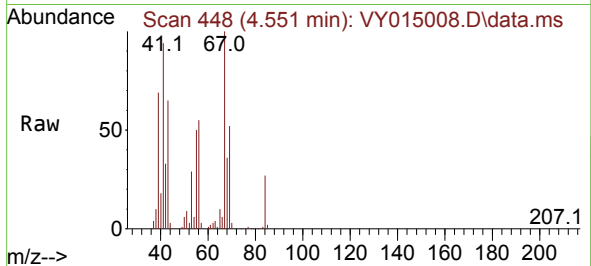




#18
Methyl Acetate
Concen: 39.735 ug/l
RT: 4.551 min Scan# 448
Delta R.T. 0.085 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

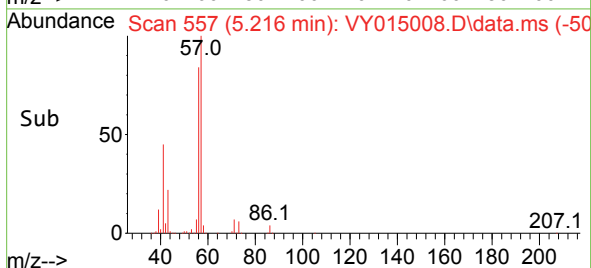
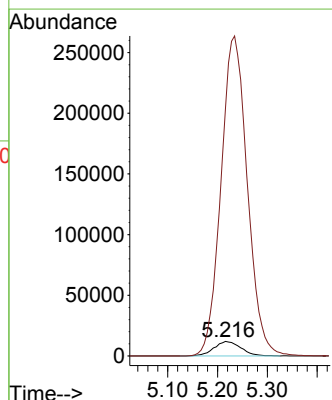
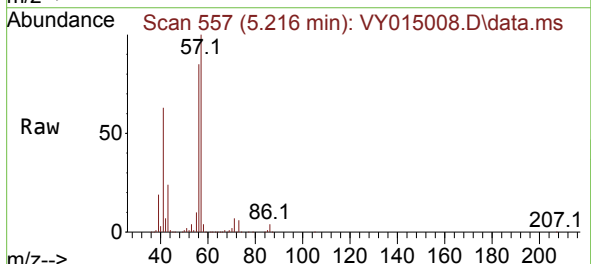
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

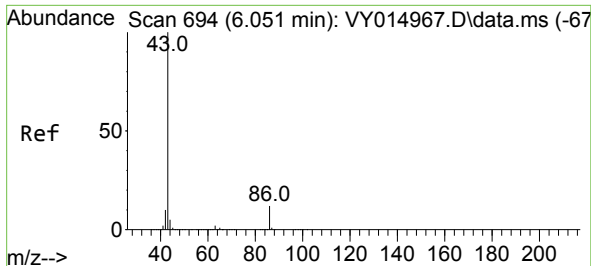
Tgt Ion: 43 Resp: 114492
Ion Ratio Lower Upper
43 100
74 0.4 17.4 26.0#



#19
Methyl tert-butyl Ether
Concen: 7.180 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 73 Resp: 44952
Ion Ratio Lower Upper
73 100
57 1699.1 17.3 25.9#

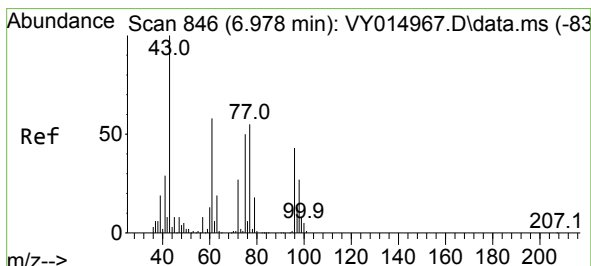
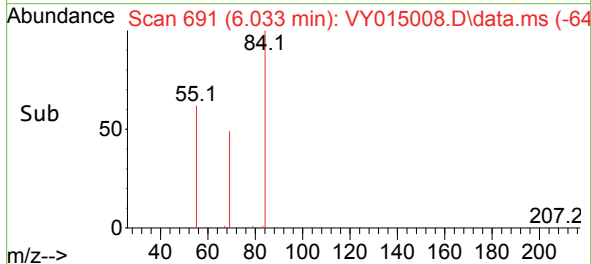
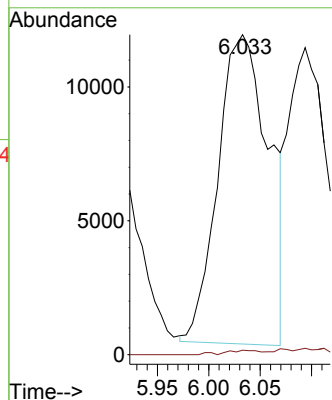
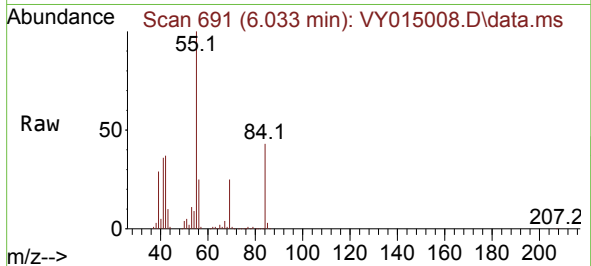




#23
 Vinyl Acetate
 Concen: 10.273 ug/l
 RT: 6.033 min Scan# 694
 Delta R.T. -0.019 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

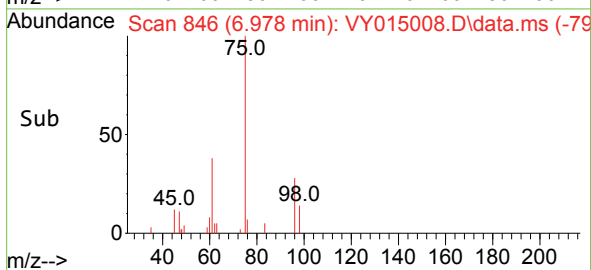
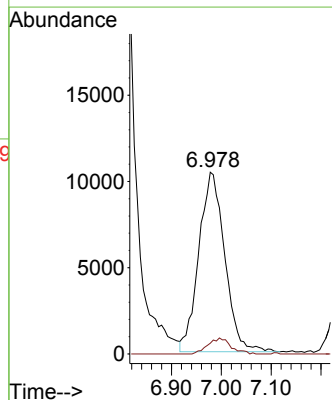
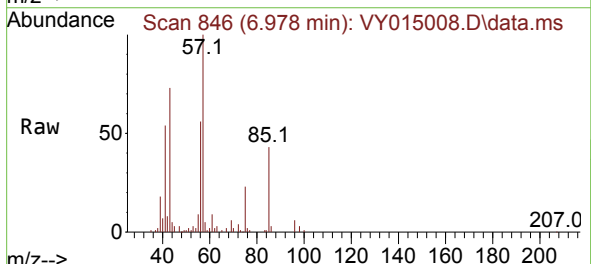
Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB01-Z78-80

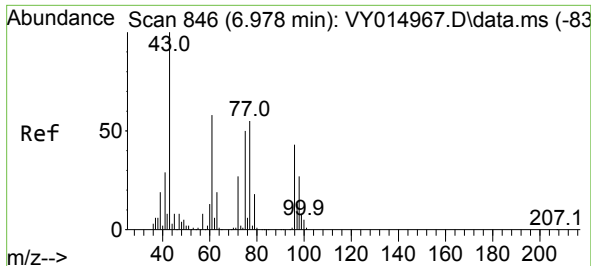
Tgt Ion: 43 Resp: 39636
 Ion Ratio Lower Upper
 43 100
 86 1.5 7.5 11.3#



#25
 2-Butanone
 Concen: 33.237 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.000 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

Tgt Ion: 43 Resp: 37666
 Ion Ratio Lower Upper
 43 100
 72 6.0 20.5 30.7#

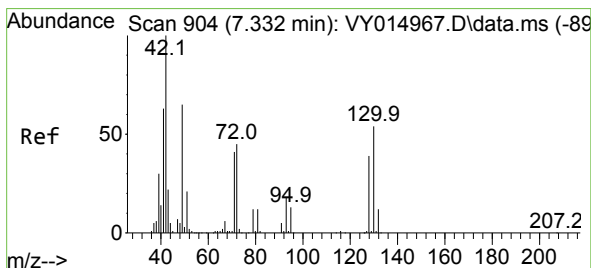
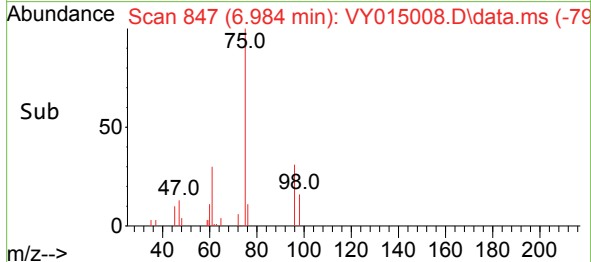
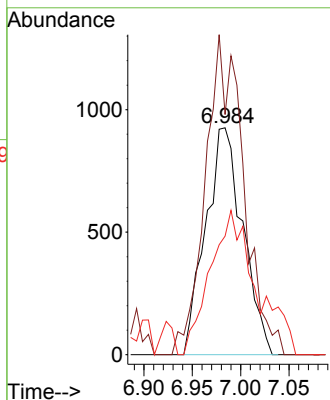
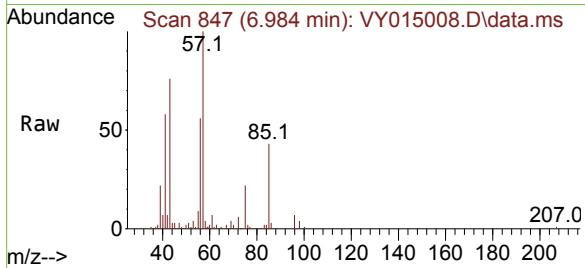




#27
 cis-1,2-Dichloroethene
 Concen: 1.036 ug/l
 RT: 6.984 min Scan# 846
 Delta R.T. 0.006 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

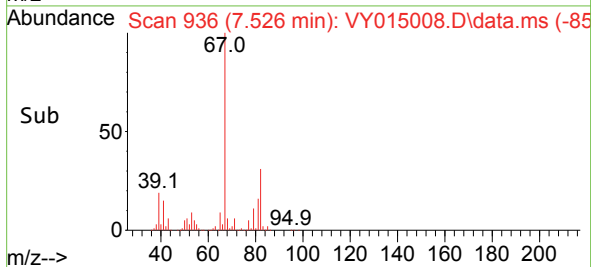
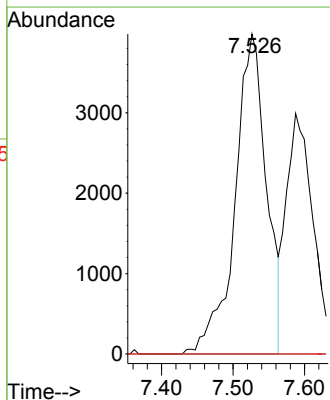
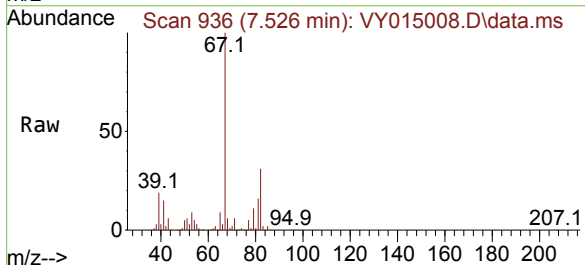
Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB01-Z78-80

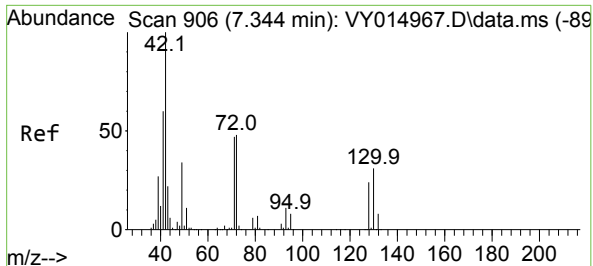
Tgt Ion: 96	Resp: 2473		
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	301.4
98	78.5	0.0	130.4



#28
 Bromochloromethane
 Concen: 7.395 ug/l
 RT: 7.526 min Scan# 936
 Delta R.T. 0.195 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

Tgt Ion: 49	Resp: 12136
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.6
130 0.0	60.7 91.1#





#29

Tetrahydrofuran

Concen: 4.073 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

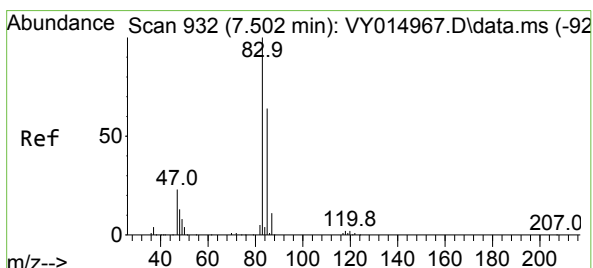
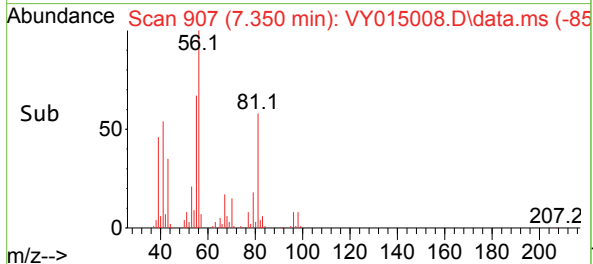
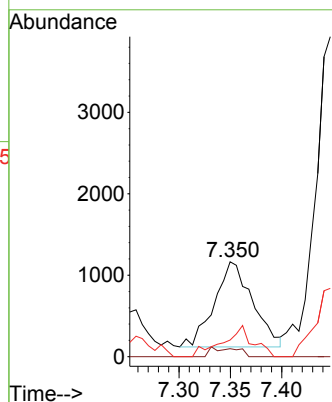
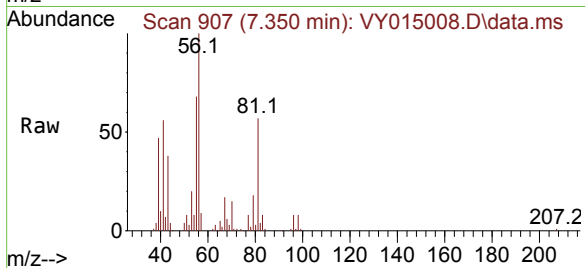
Tgt Ion: 42 Resp: 2707

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#30

Chloroform

Concen: 26.656 ug/l

RT: 7.465 min Scan# 926

Delta R.T. -0.037 min

Lab File: VY015008.D

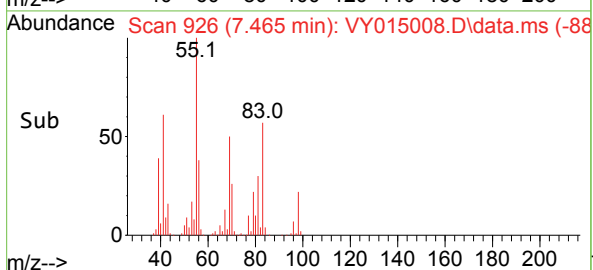
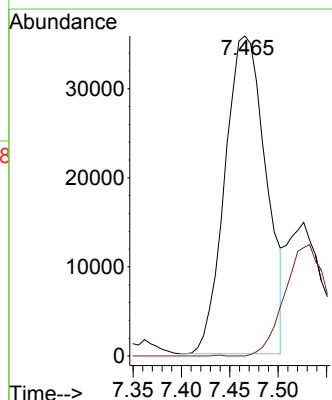
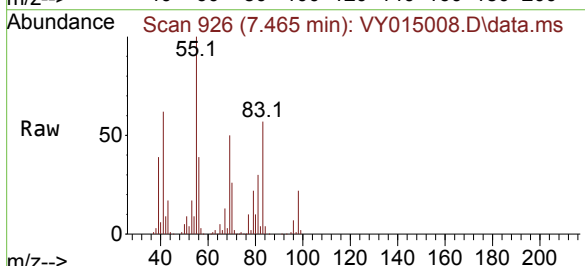
Acq: 09 Aug 2023 16:18

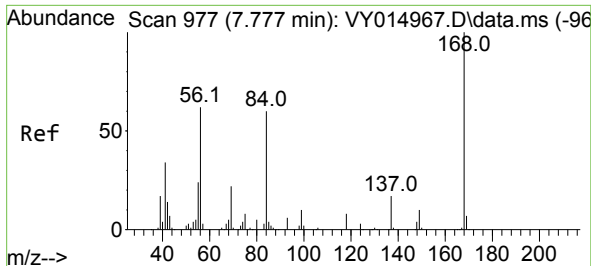
Tgt Ion: 83 Resp: 105419

Ion Ratio Lower Upper

83 100

85 0.0 49.7 74.5#

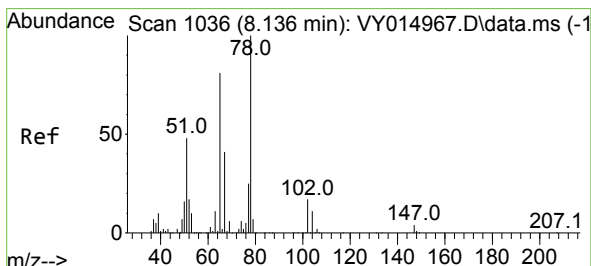
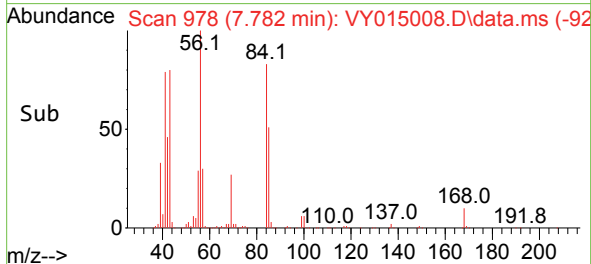
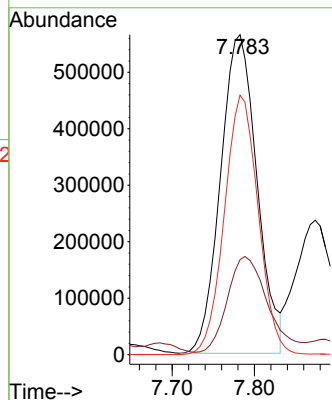
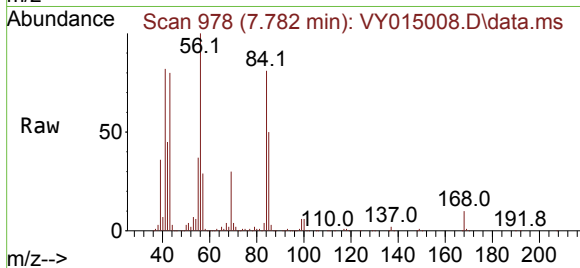




#31
Cyclohexane
Concen: 709.858 ug/l
RT: 7.782 min Scan# 91
Delta R.T. 0.005 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

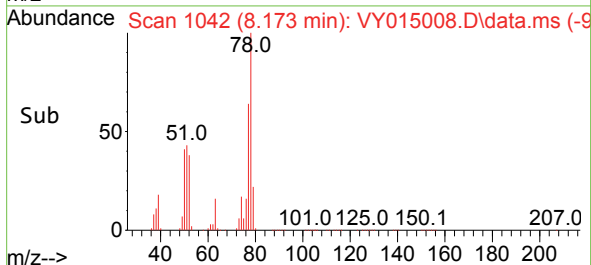
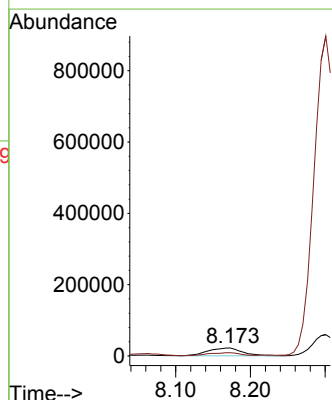
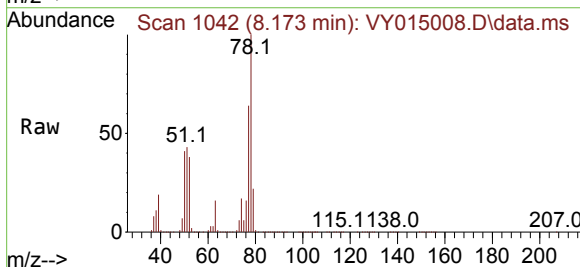
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

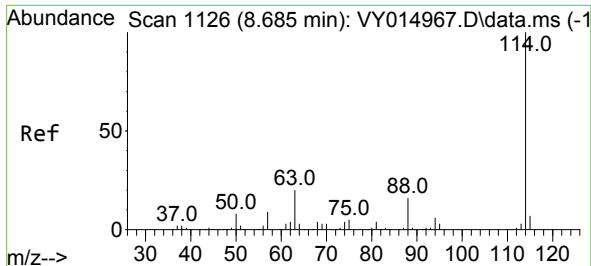
Tgt Ion: 56 Resp: 1741569
Ion Ratio Lower Upper
56 100
69 28.0 27.8 41.6
84 81.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 27.091 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.036 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 65 Resp: 68738
Ion Ratio Lower Upper
65 100
67 0.0 0.0 101.8

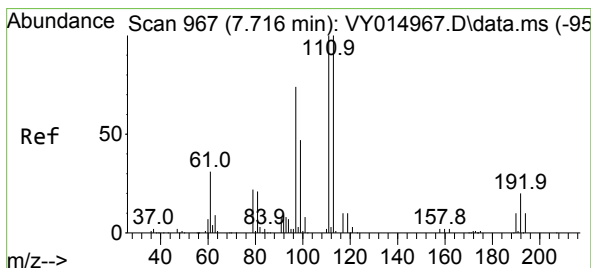
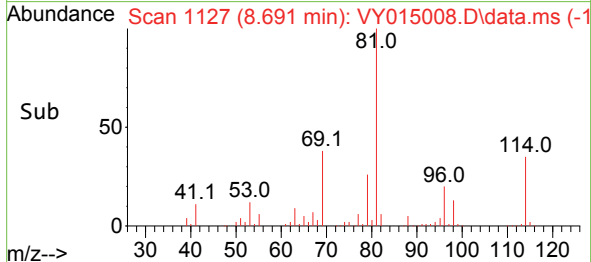
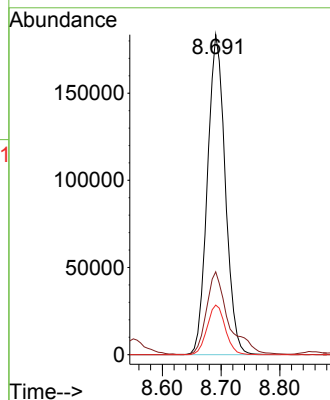
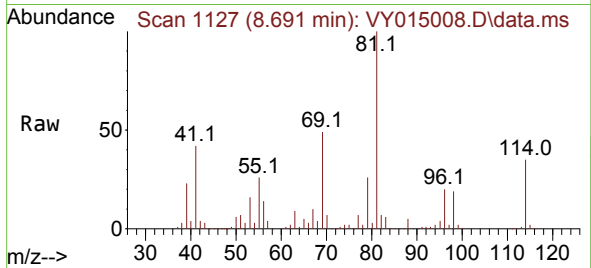




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

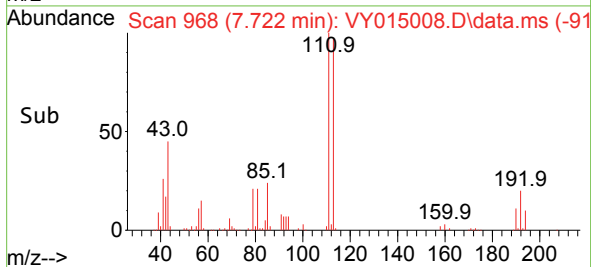
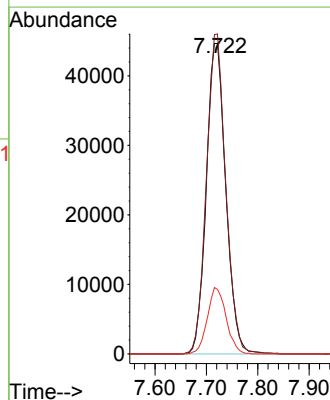
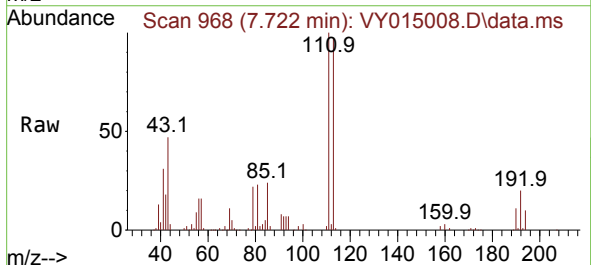
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

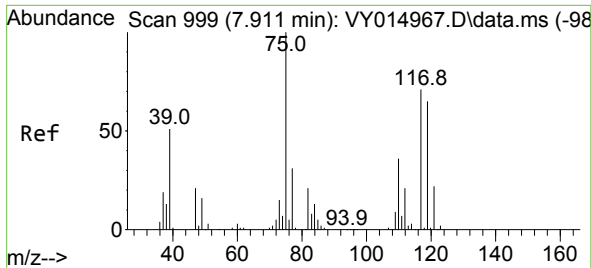
Tgt Ion:114 Resp: 386974
Ion Ratio Lower Upper
114 100
63 25.8 0.0 42.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.575 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion:113 Resp: 117730
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 20.7 16.9 25.3

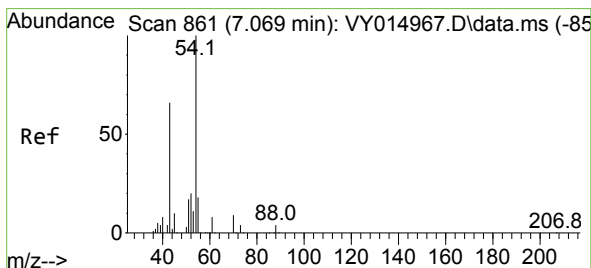
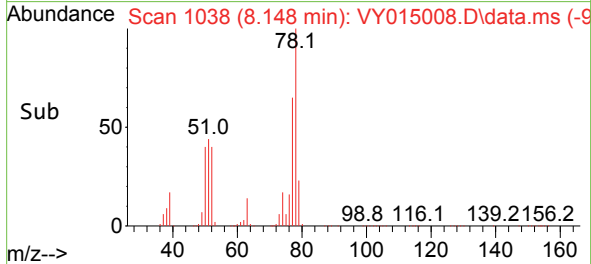
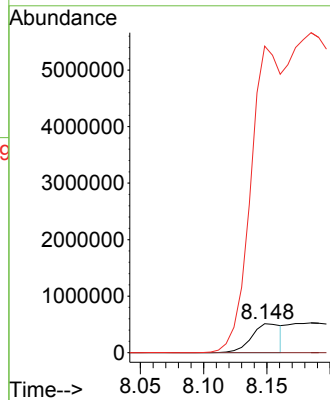
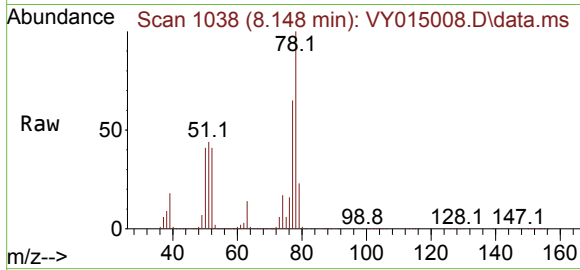




#36
1,1-Dichloropropene
Concen: 270.781 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.238 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

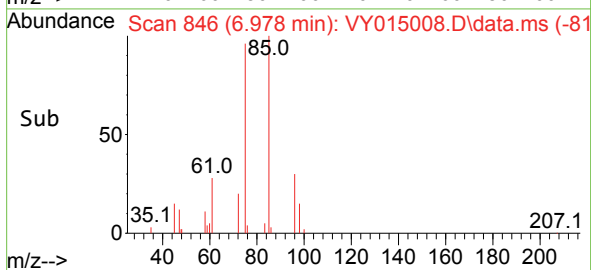
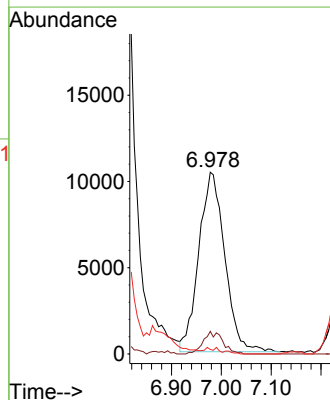
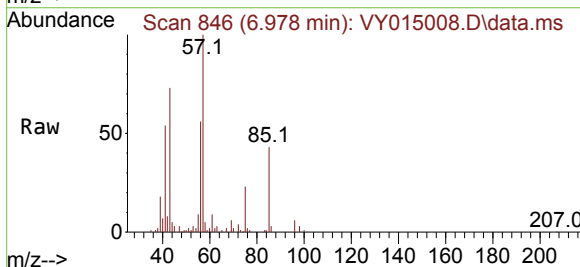
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

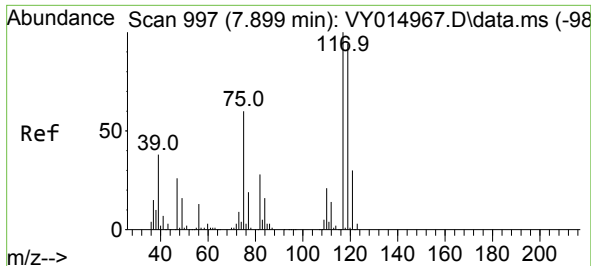
Tgt Ion: 75 Resp: 831917
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 1084.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 15.445 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 43 Resp: 37666
Ion Ratio Lower Upper
43 100
61 9.5 10.1 15.1#
70 0.0 7.1 10.7#

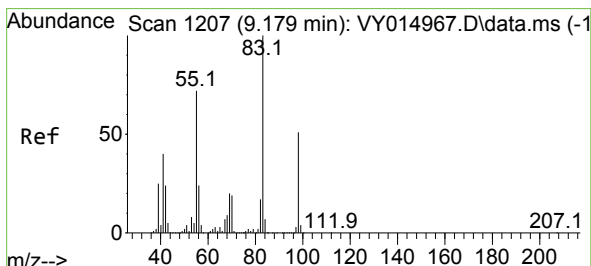
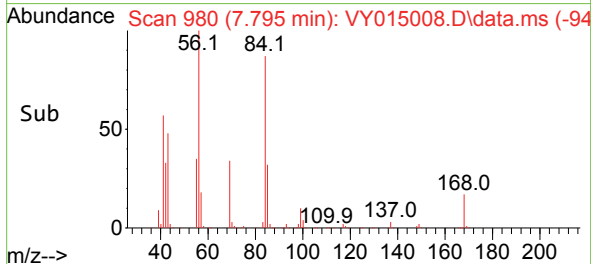
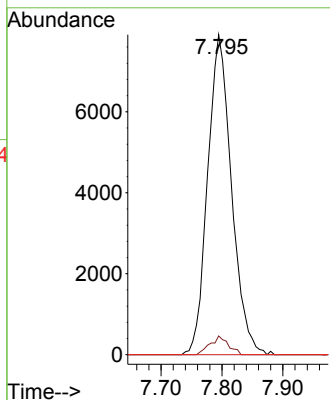
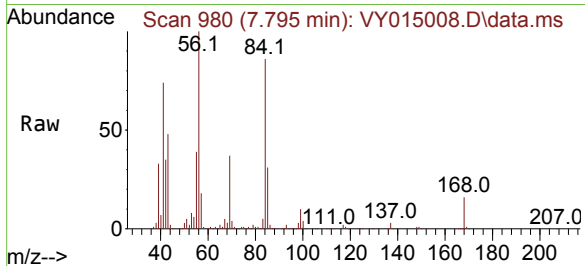




#38
Carbon Tetrachloride
Concen: 6.238 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

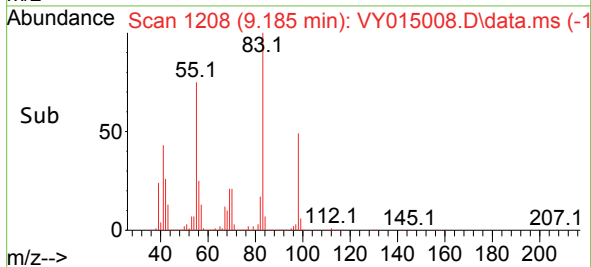
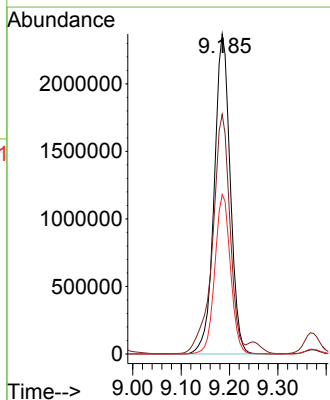
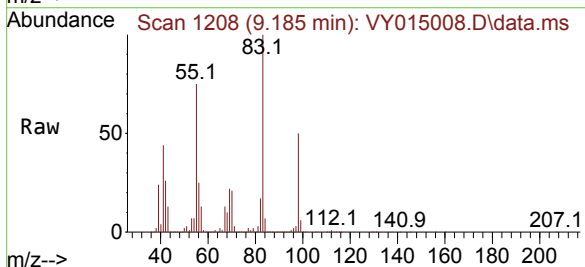
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

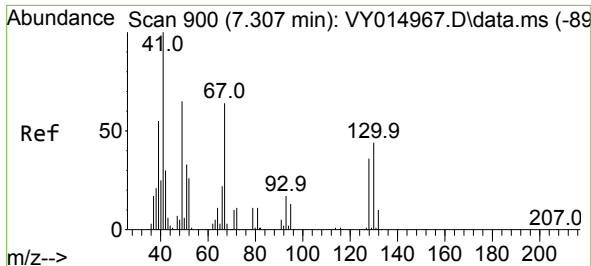
Tgt Ion:117 Resp: 21545
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1489.244 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 83 Resp: 5441087
Ion Ratio Lower Upper
83 100
55 74.8 63.0 94.4
98 49.8 37.4 56.2

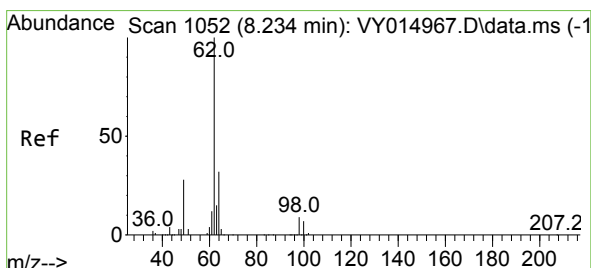
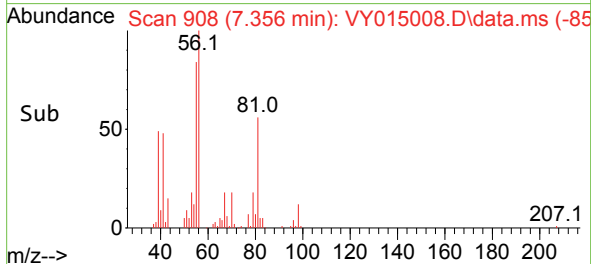
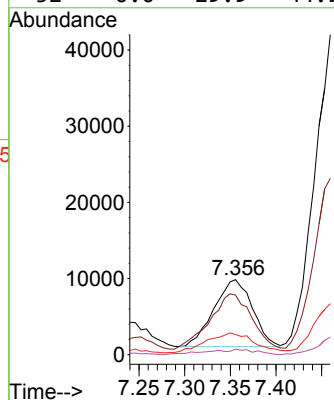
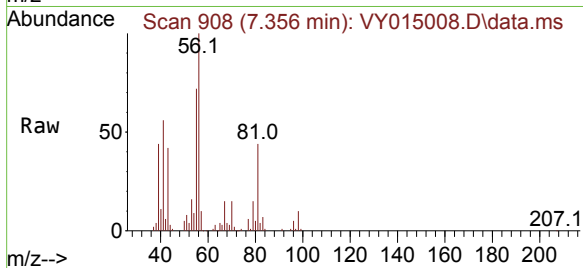




#41
Methacrylonitrile
Concen: 21.754 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

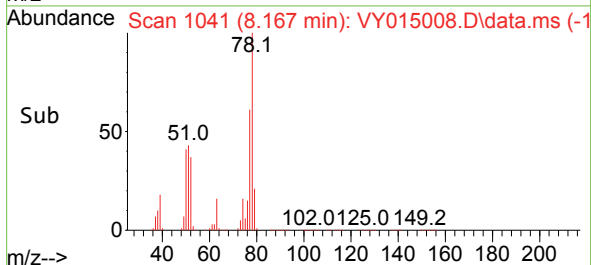
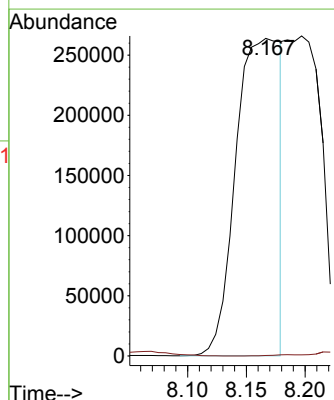
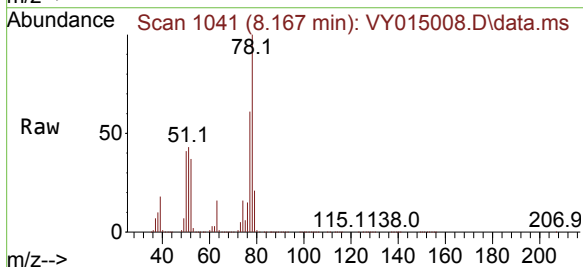
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

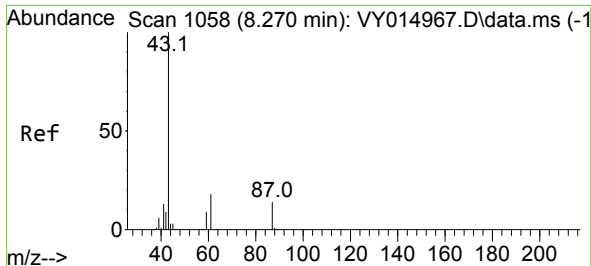
Tgt Ion: 41 Resp: 25781
Ion Ratio Lower Upper
41 100
39 89.6 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#



#42
1,2-Dichloroethane
Concen: 220.080 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.067 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 62 Resp: 693044
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

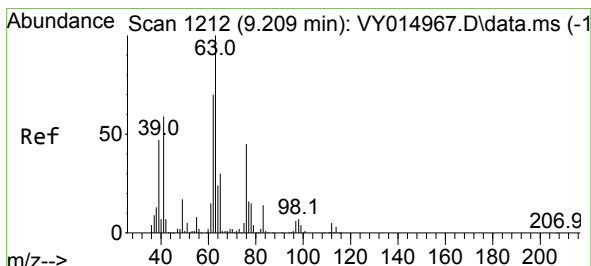
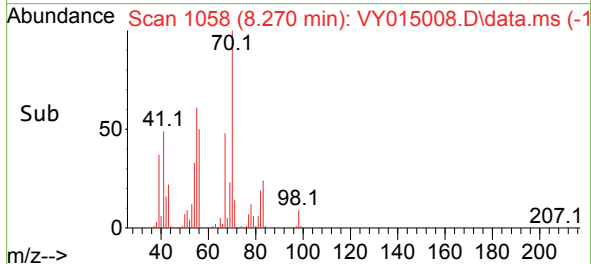
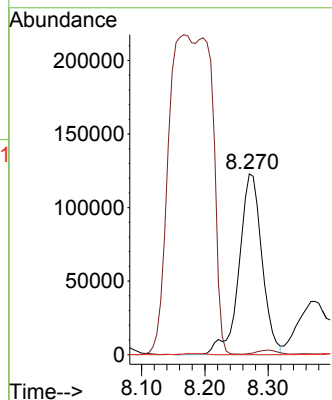
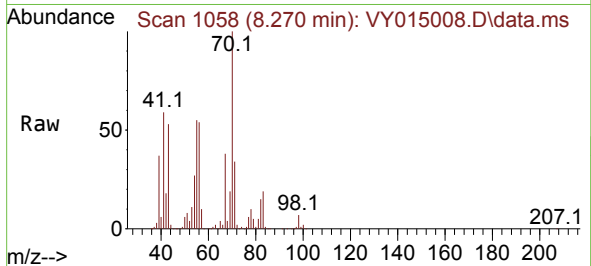




#43
Isopropyl Acetate
Concen: 68.404 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

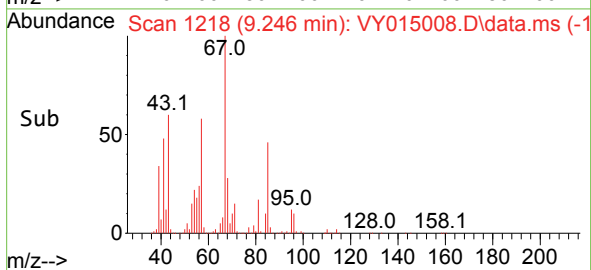
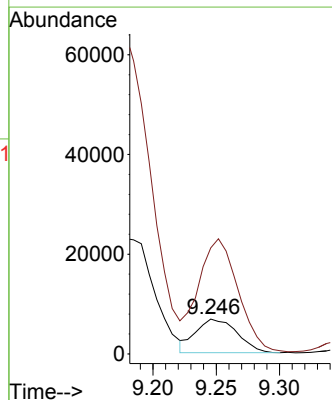
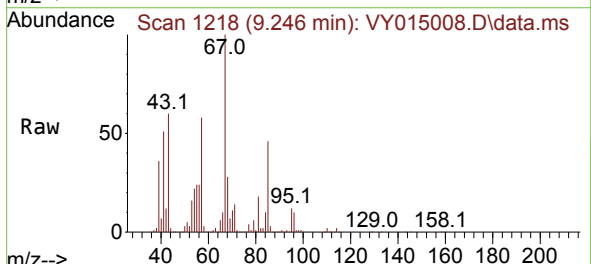
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

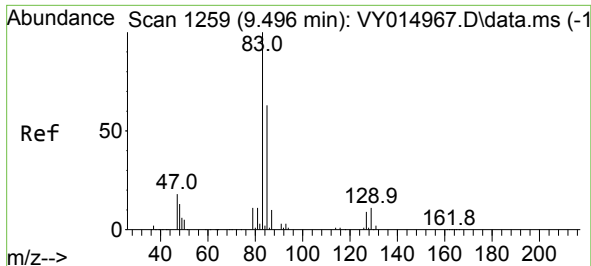
Tgt Ion: 43 Resp: 309927
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 6.362 ug/l
RT: 9.246 min Scan# 1218
Delta R.T. 0.036 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 63 Resp: 15296
Ion Ratio Lower Upper
63 100
65 306.9 23.8 35.6#

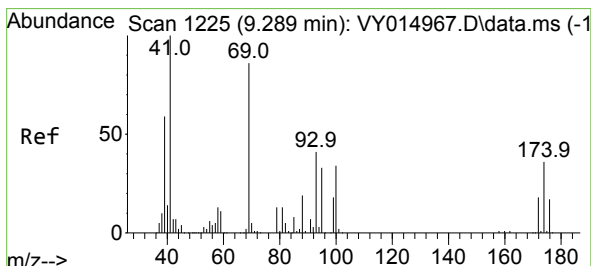
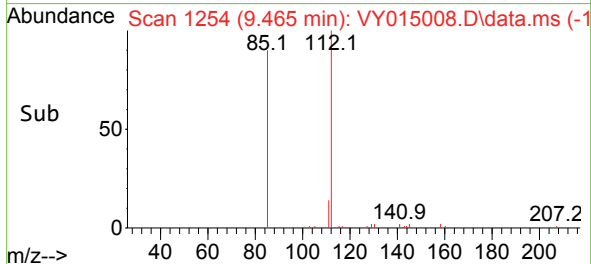
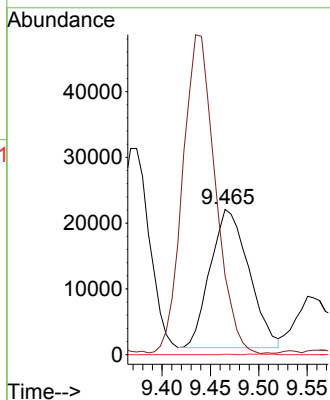
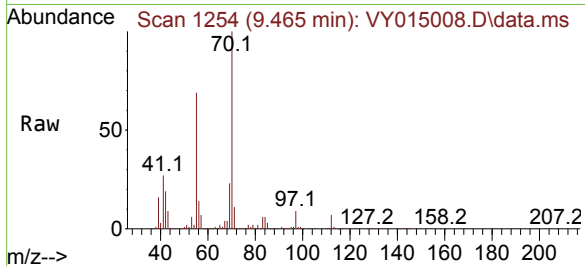




#47
 Bromodichloromethane
 Concen: 16.382 ug/l
 RT: 9.465 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

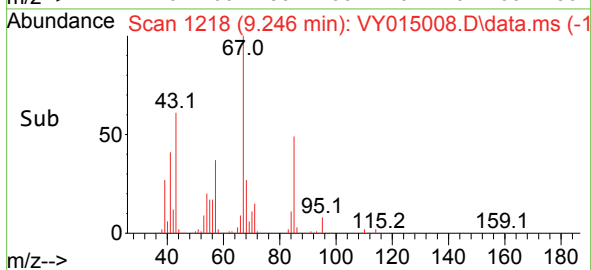
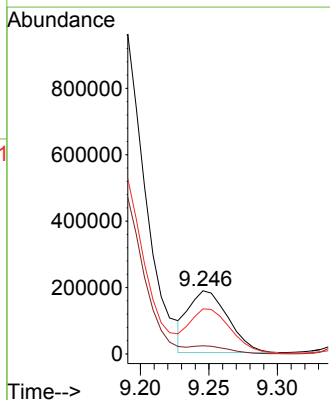
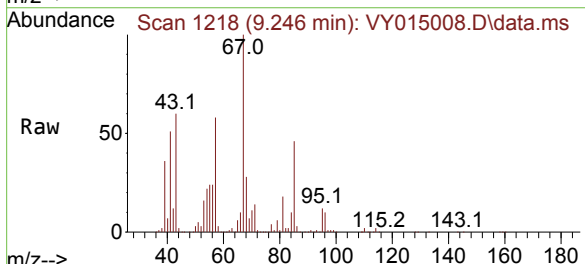
Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB01-Z78-80

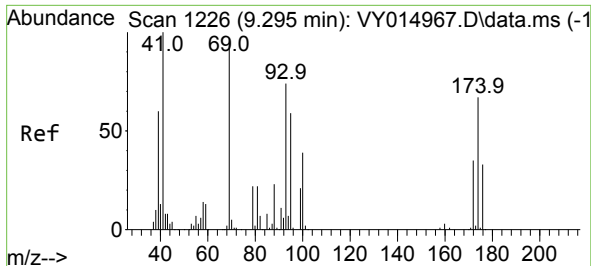
Tgt Ion: 83 Resp: 58430
 Ion Ratio Lower Upper
 83 100
 85 55.7 50.1 75.1
 127 0.3 7.1 10.7#



#48
 Methyl methacrylate
 Concen: 188.086 ug/l
 RT: 9.246 min Scan# 1218
 Delta R.T. -0.043 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

Tgt Ion: 41 Resp: 373901
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.5 96.7#
 39 74.1 50.8 76.2





#49

1,4-Dioxane

Concen: 1.145 ug/l

RT: 9.557 min Scan# 1269

Delta R.T. 0.262 min

Lab File: VY015008.D

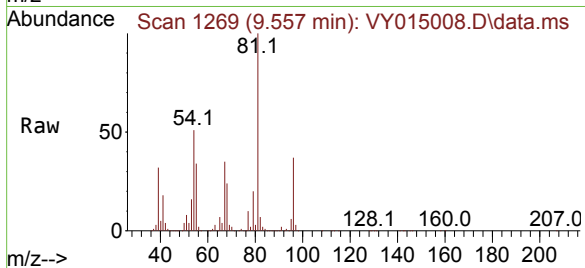
Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80



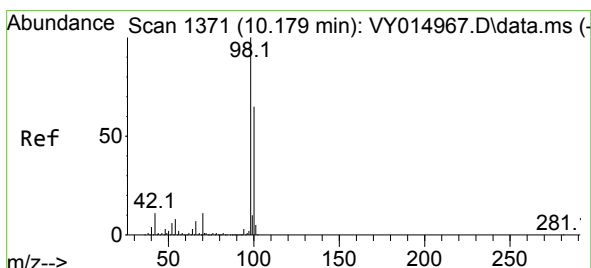
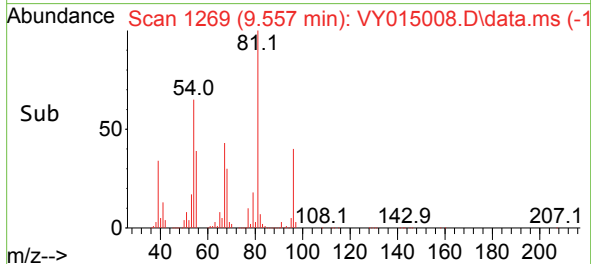
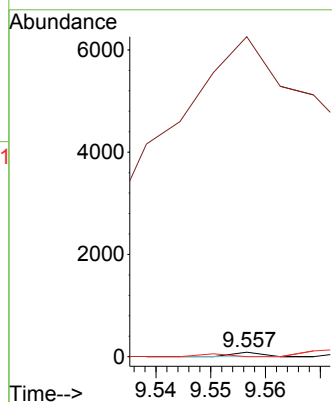
Tgt Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 74.192 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY015008.D

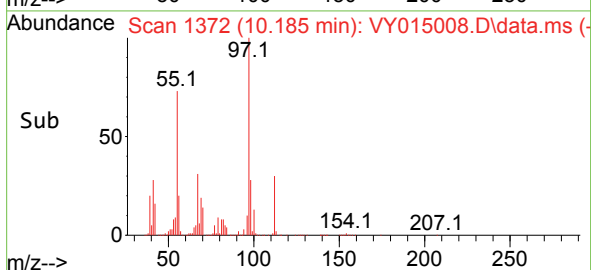
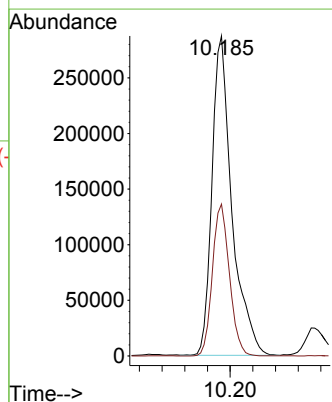
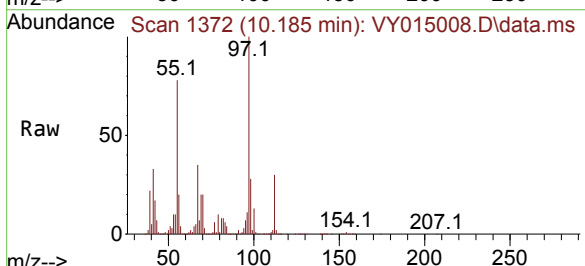
Acq: 09 Aug 2023 16:18

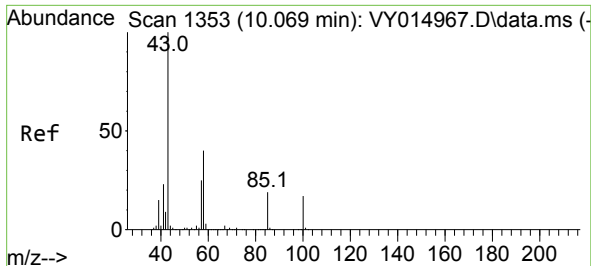
Tgt Ion: 98 Resp: 698817

Ion Ratio Lower Upper

98 100

100 40.8 50.1 75.1#





#51

4-Methyl-2-Pentanone

Concen: 42.406 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.116 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

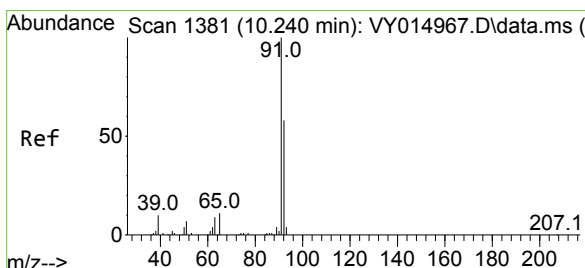
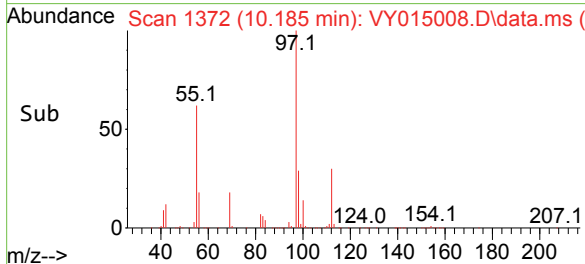
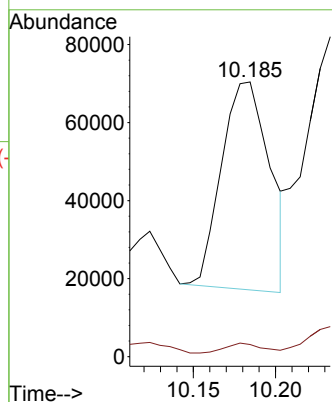
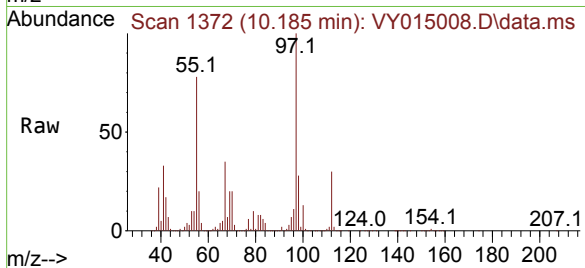
NEVINS-SB01-Z78-80

Tgt Ion: 43 Resp: 108274

Ion Ratio Lower Upper

43 100

58 4.4 29.0 43.6#



#52

Toluene

Concen: 1404.008 ug/l

RT: 10.245 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY015008.D

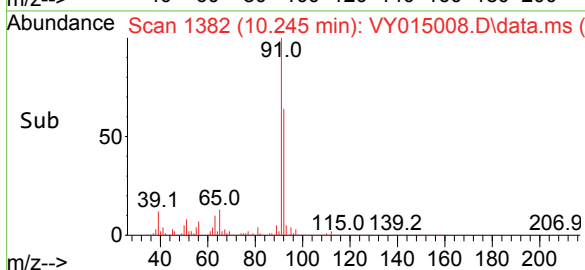
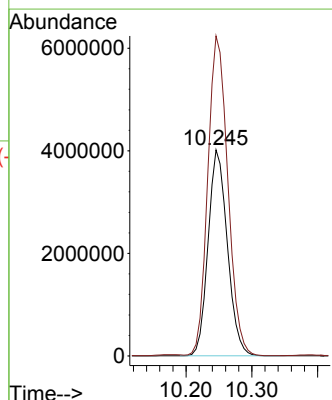
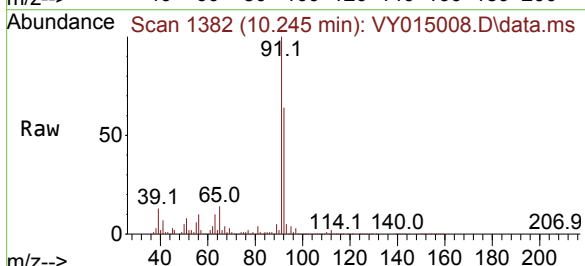
Acq: 09 Aug 2023 16:18

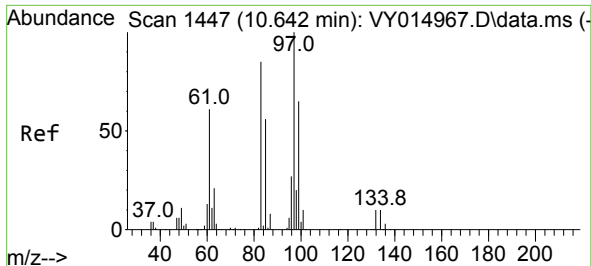
Tgt Ion: 92 Resp: 8173680

Ion Ratio Lower Upper

92 100

91 161.8 143.8 215.6

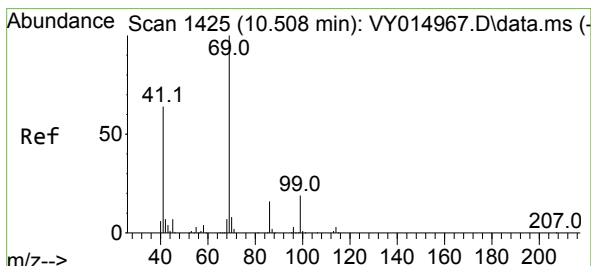
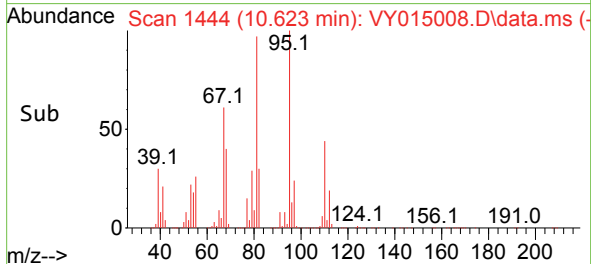
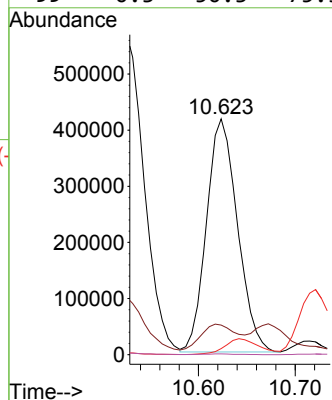
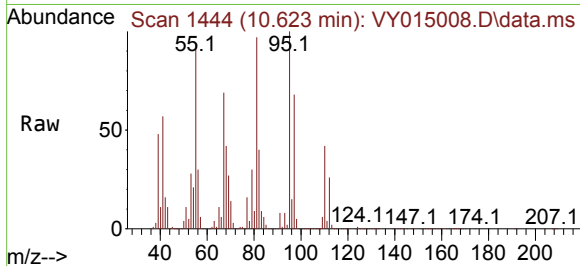




#55
1,1,2-Trichloroethane
Concen: 411.028 ug/l
RT: 10.623 min Scan# 1444
Delta R.T. -0.019 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

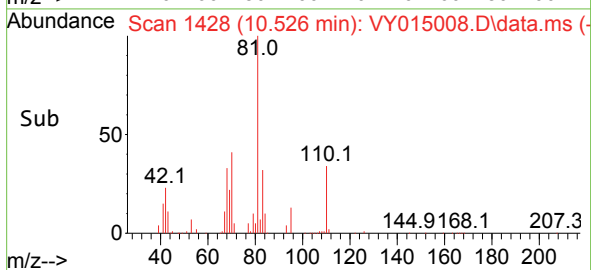
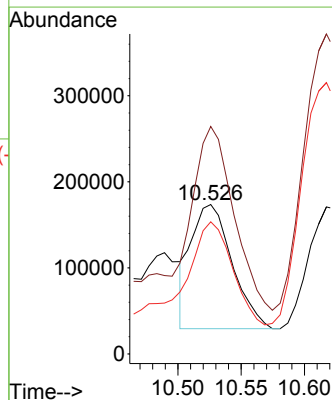
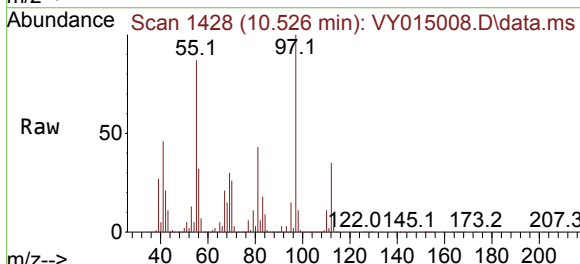
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

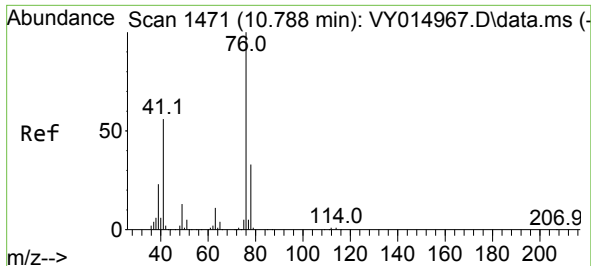
Tgt Ion:	97	Resp:	925267
Ion	Ratio	Lower	Upper
97	100		
83	10.7	72.0	108.0#
85	2.5	45.4	68.0#
99	0.3	50.3	75.5#



#56
Ethyl methacrylate
Concen: 101.000 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.018 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion:	69	Resp:	325558
Ion	Ratio	Lower	Upper
69	100		
41	148.8	57.6	86.4#
39	96.7	34.1	51.1#





#57

1,3-Dichloropropane

Concen: 1.254 ug/l

RT: 10.825 min Scan# 1471

Delta R.T. 0.036 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

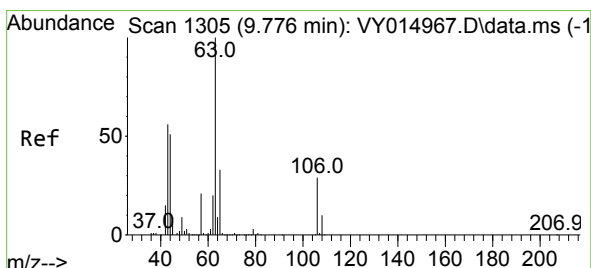
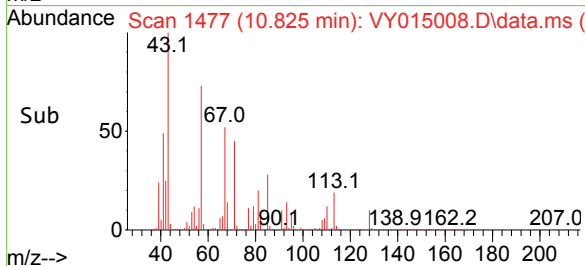
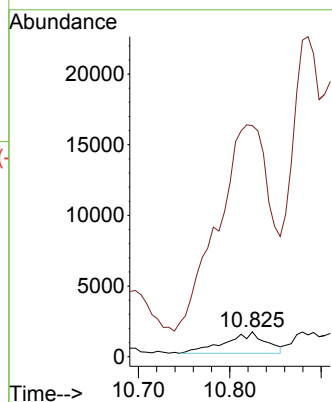
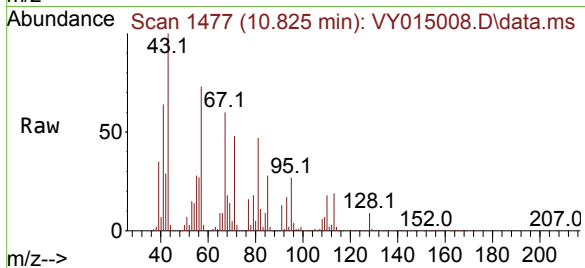
NEVINS-SB01-Z78-80

Tgt Ion: 76 Resp: 4671

Ion Ratio Lower Upper

76 100

78 1245.3 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 37.864 ug/l

RT: 9.764 min Scan# 1303

Delta R.T. -0.012 min

Lab File: VY015008.D

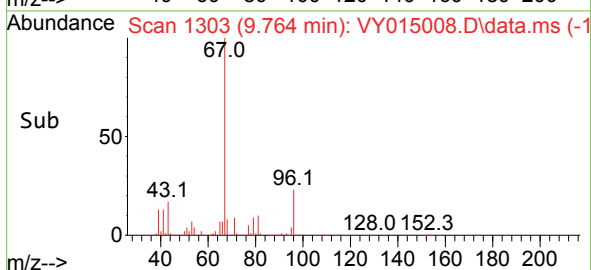
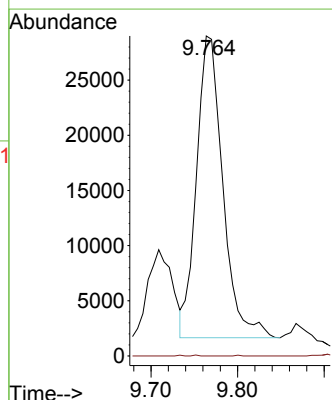
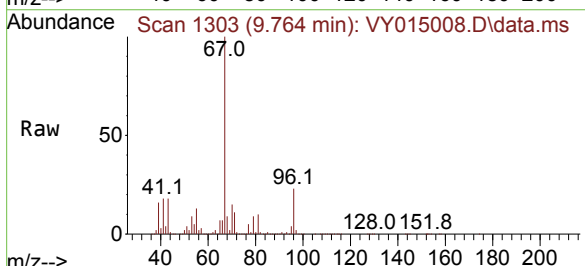
Acq: 09 Aug 2023 16:18

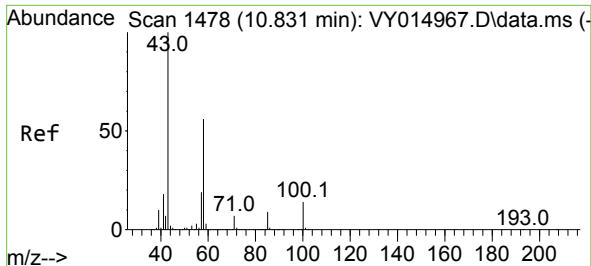
Tgt Ion: 63 Resp: 57709

Ion Ratio Lower Upper

63 100

106 0.1 21.2 31.8#

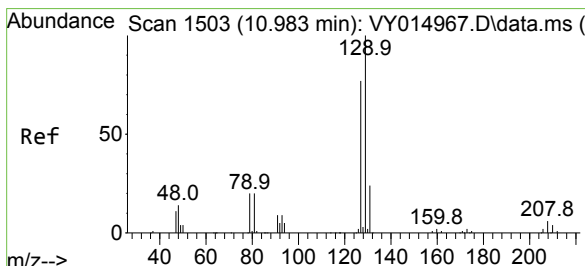
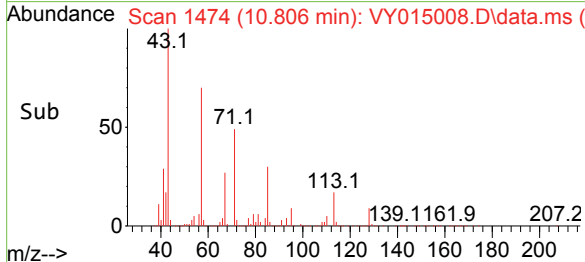
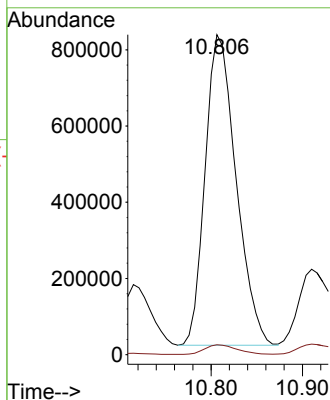
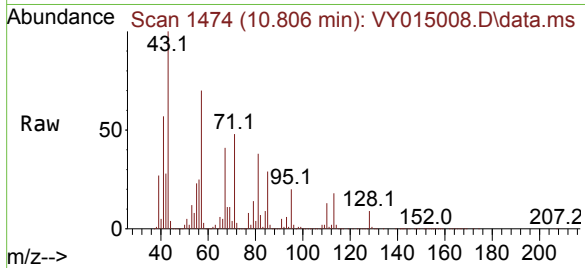




#59
2-Hexanone
Concen: 1017.620 ug/l
RT: 10.806 min Scan# 1478
Delta R.T. -0.025 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

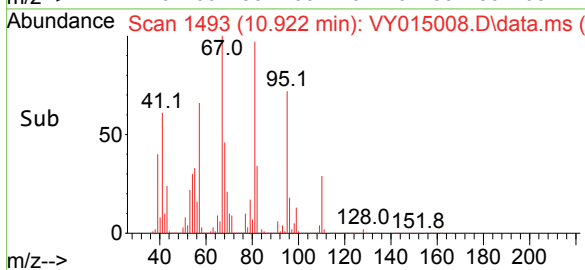
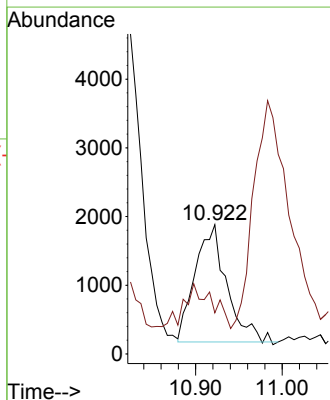
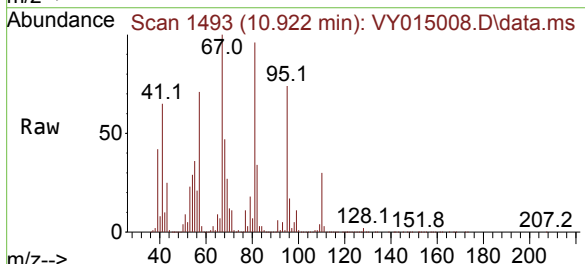
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

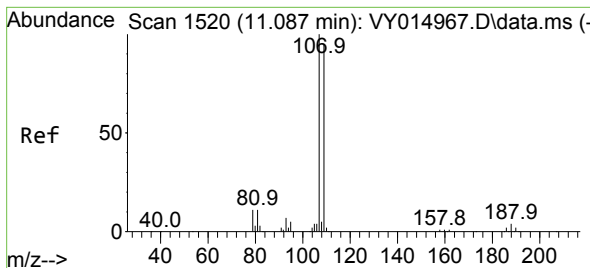
Tgt Ion: 43 Resp: 1919394
Ion Ratio Lower Upper
43 100
58 3.2 25.1 75.3#



#60
Dibromochloromethane
Concen: 1.617 ug/l
RT: 10.922 min Scan# 1493
Delta R.T. -0.061 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 129 Resp: 4333
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#61

1,2-Dibromoethane

Concen: 5.367 ug/l

RT: 11.093 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

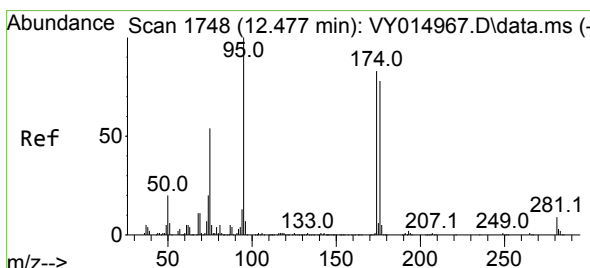
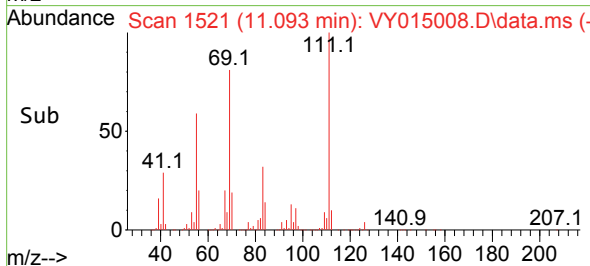
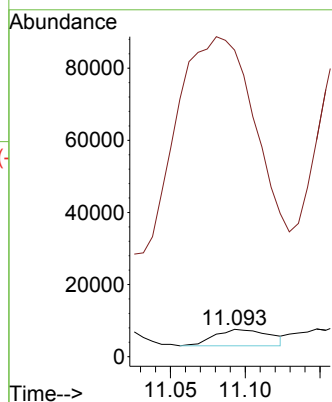
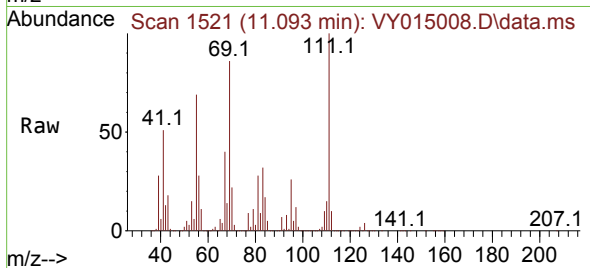
NEVINS-SB01-Z78-80

Tgt Ion:107 Resp: 11531

Ion Ratio Lower Upper

107 100

109 1872.5 75.6 113.4#



#62

4-Bromofluorobenzene

Concen: 217.815 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

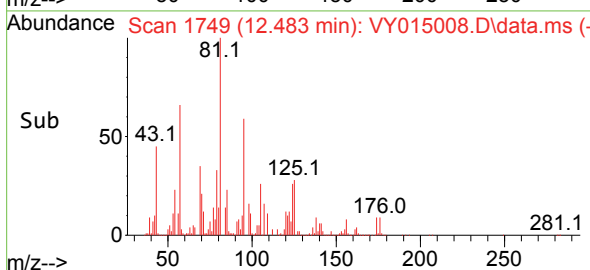
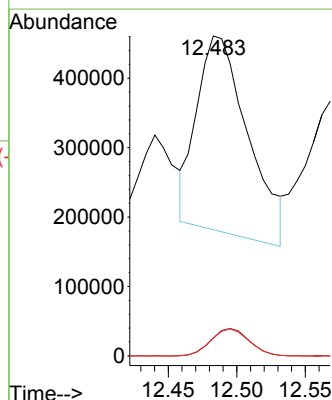
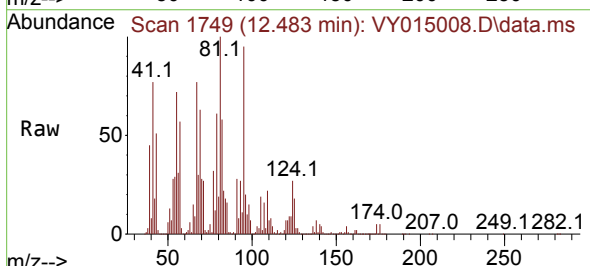
Tgt Ion: 95 Resp: 727122

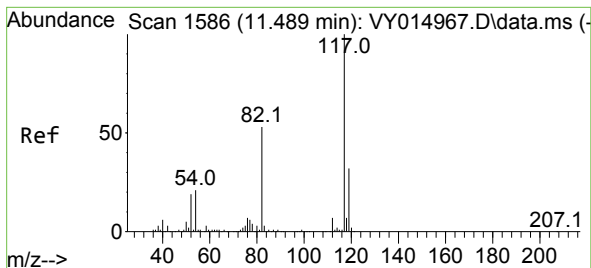
Ion Ratio Lower Upper

95 100

174 10.6 0.0 178.2

176 10.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

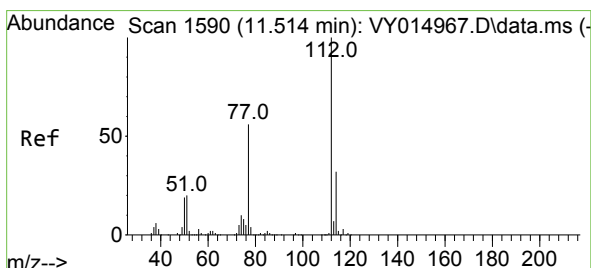
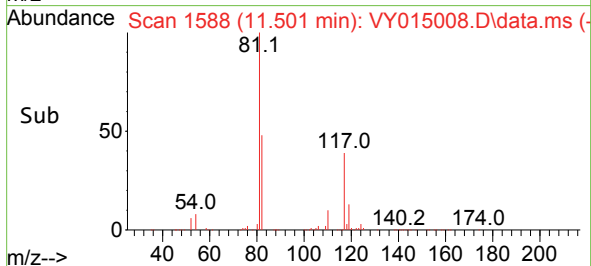
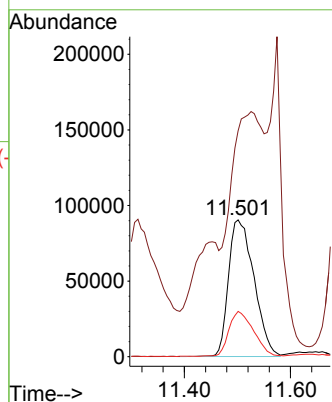
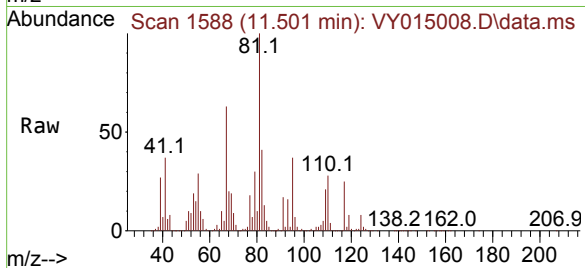
Tgt Ion:117 Resp: 301582

Ion Ratio Lower Upper

117 100

82 132.2 43.4 65.0#

119 32.8 26.3 39.5



#65

Chlorobenzene

Concen: 4.507 ug/l

RT: 11.422 min Scan# 1575

Delta R.T. -0.092 min

Lab File: VY015008.D

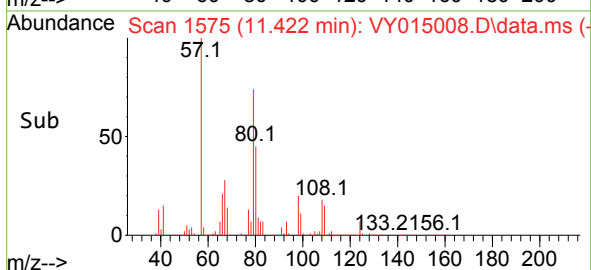
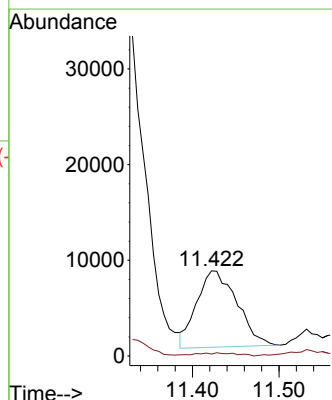
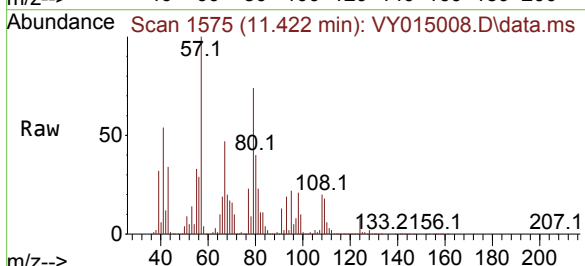
Acq: 09 Aug 2023 16:18

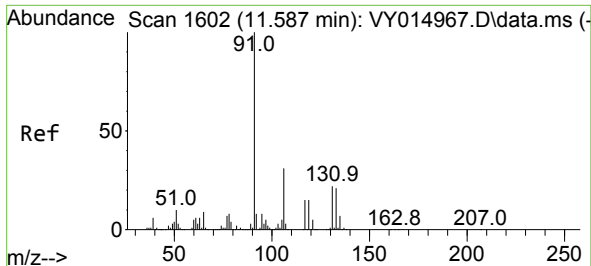
Tgt Ion:112 Resp: 25789

Ion Ratio Lower Upper

112 100

114 1.2 25.5 38.3#

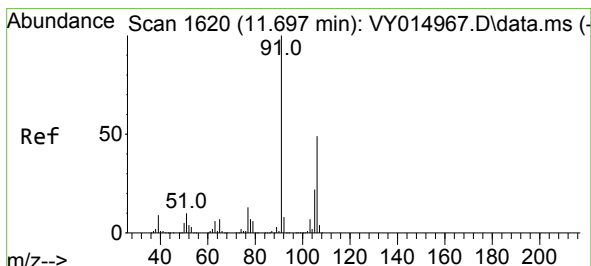
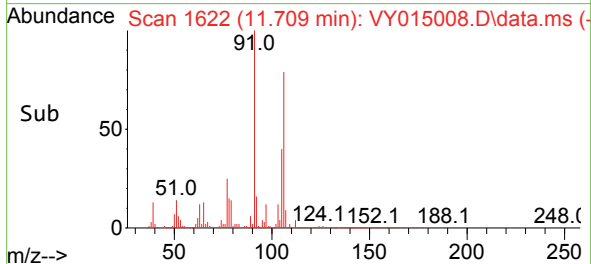
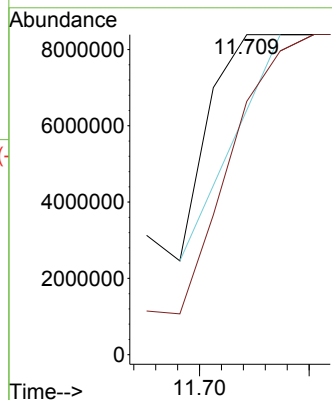
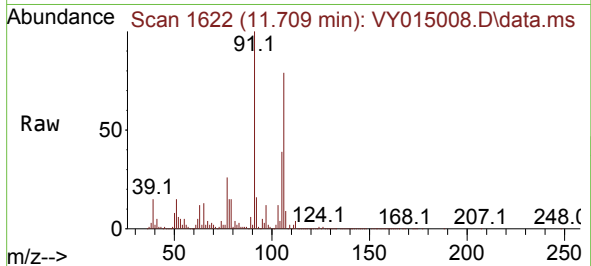




#67
Ethyl Benzene
Concen: 273.766 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.122 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

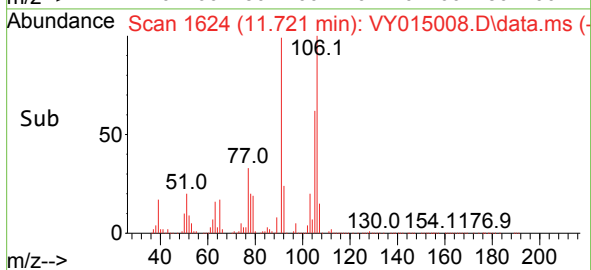
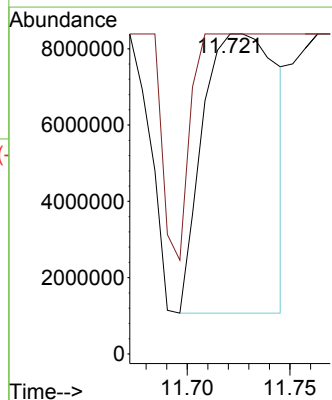
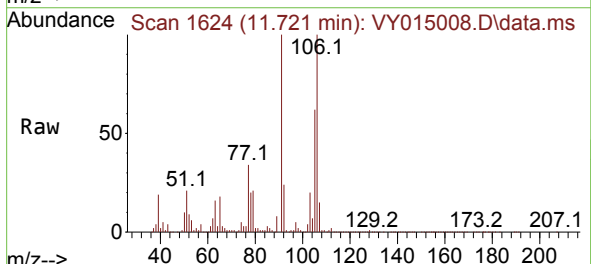
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

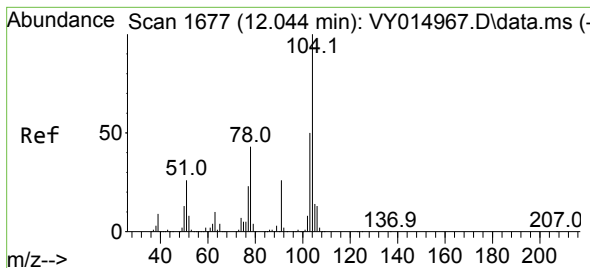
Tgt Ion: 91 Resp: 2749415
Ion Ratio Lower Upper
91 100
106 93.9 24.6 36.8#



#68
m/p-Xylenes
Concen: 4764.936 ug/l
RT: 11.721 min Scan# 1624
Delta R.T. 0.024 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 106 Resp: 18306441
Ion Ratio Lower Upper
106 100
91 15.0 166.1 249.1#





#70

Styrene

Concen: 201.612 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

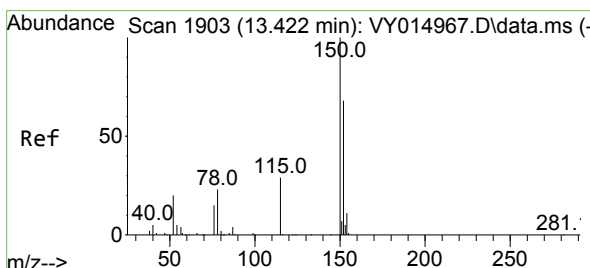
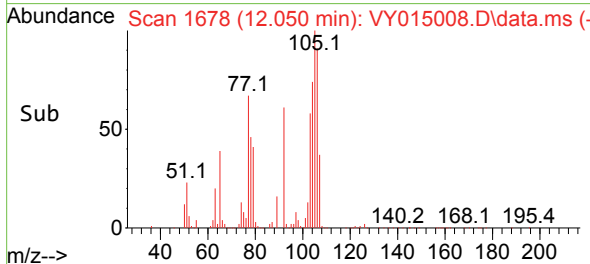
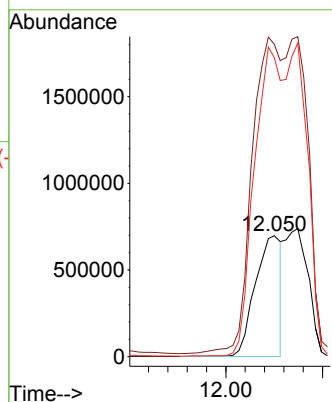
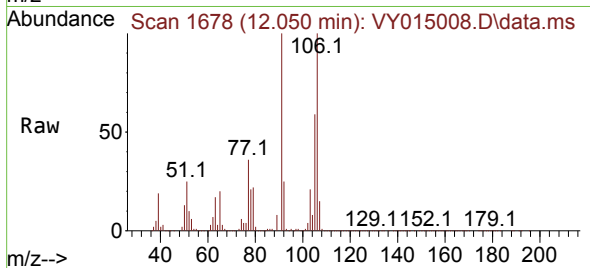
Tgt Ion:104 Resp: 1295283

Ion Ratio Lower Upper

104 100

78 289.1 41.5 62.3#

103 259.7 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.416 min Scan# 1902

Delta R.T. -0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

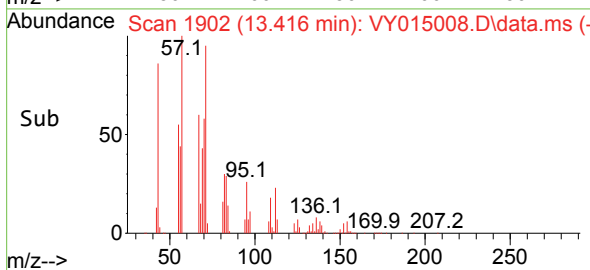
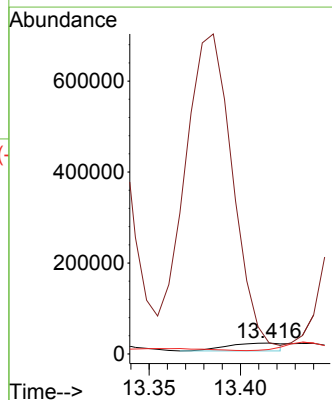
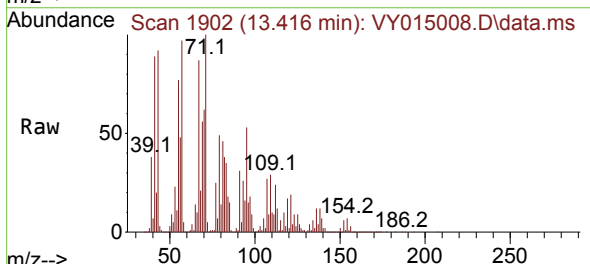
Tgt Ion:152 Resp: 36012

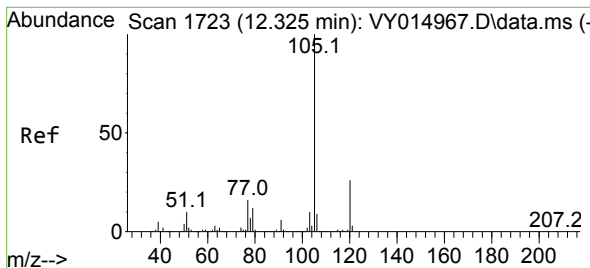
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 83.0 0.0 348.8





#73

Isopropylbenzene

Concen: 260.400 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.281 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

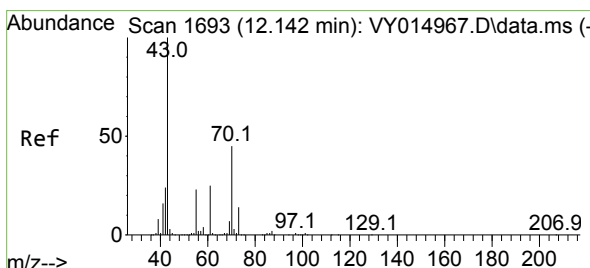
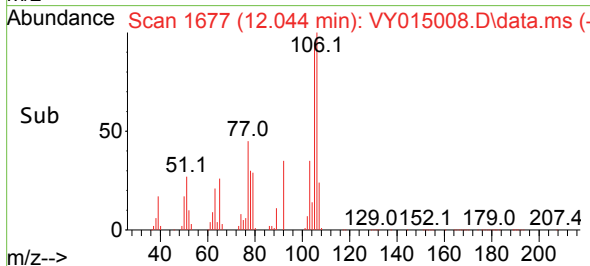
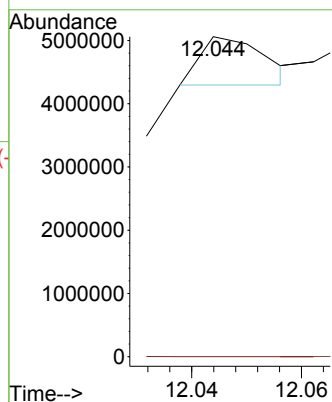
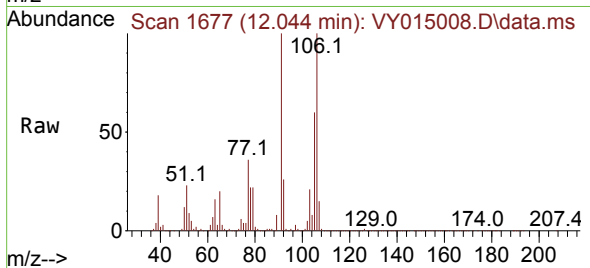
NEVINS-SB01-Z78-80

Tgt Ion:105 Resp: 630374

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.9#



#74

N-ethyl acetate

Concen: 3531.162 ug/l

RT: 12.135 min Scan# 1692

Delta R.T. -0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Tgt Ion: 43 Resp: 2920589

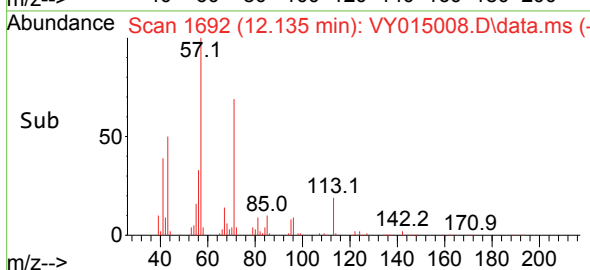
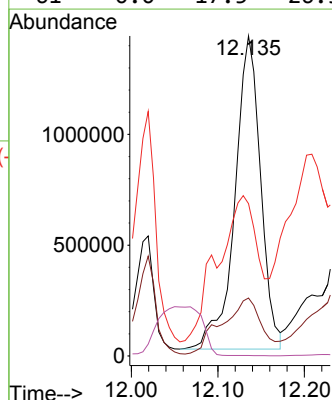
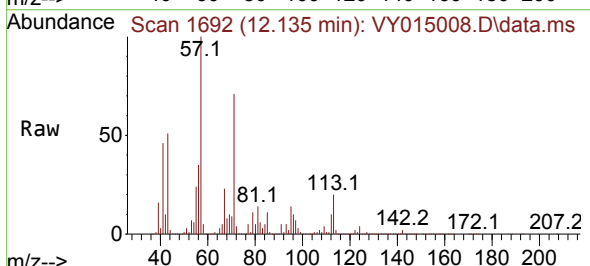
Ion Ratio Lower Upper

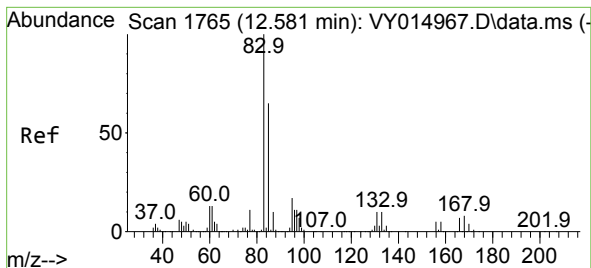
43 100

70 26.9 29.7 44.5#

55 45.4 18.3 27.5#

61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 401.949 ug/l

RT: 12.550 min Scan# 1760

Delta R.T. -0.031 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

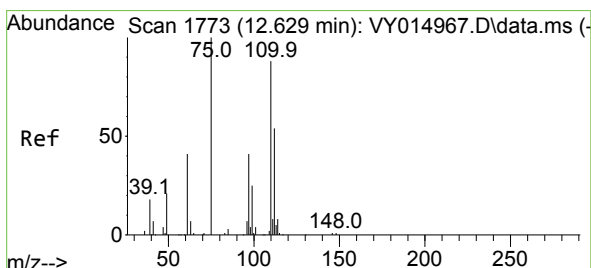
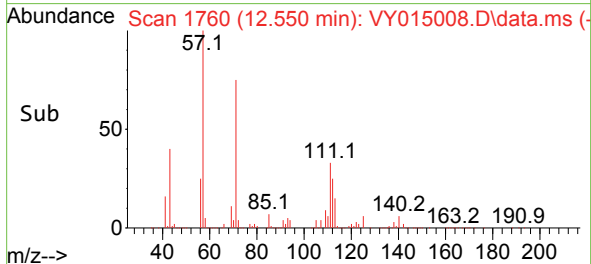
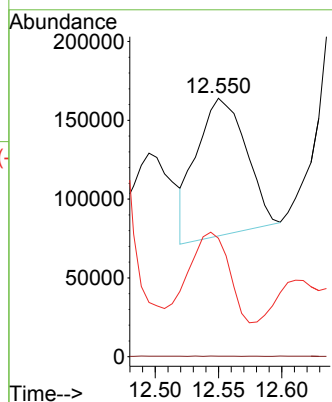
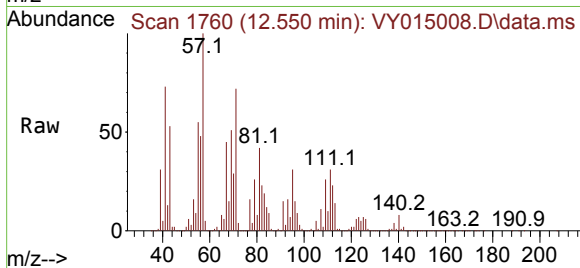
Tgt Ion: 83 Resp: 237788

Ion Ratio Lower Upper

83 100

131 0.1 5.4 16.2#

85 52.8 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 158.993 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. -0.012 min

Lab File: VY015008.D

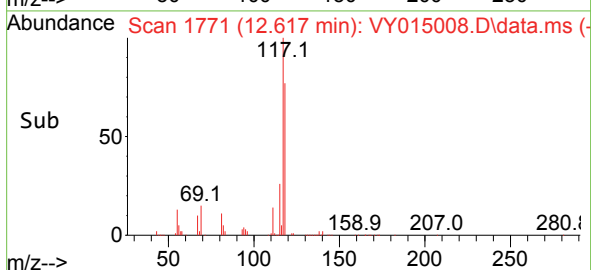
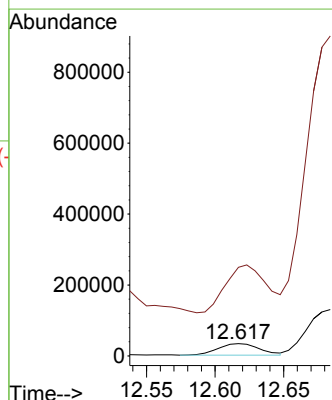
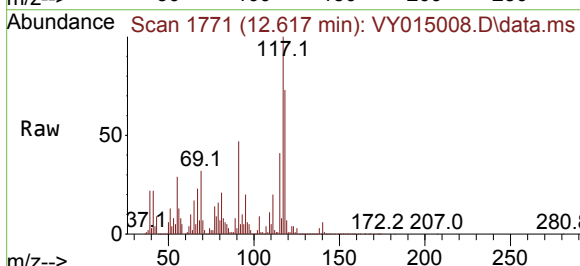
Acq: 09 Aug 2023 16:18

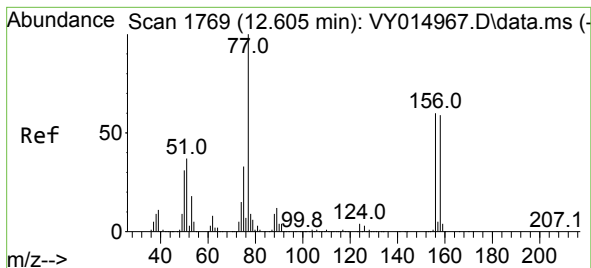
Tgt Ion: 75 Resp: 68607

Ion Ratio Lower Upper

75 100

77 412.4 0.0 0.0#





#77

Bromobenzene

Concen: 944.804 ug/l

RT: 12.398 min Scan# 1

Delta R.T. -0.208 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

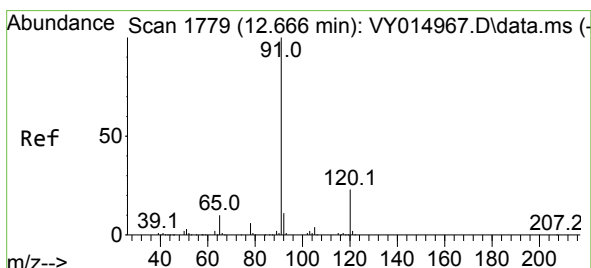
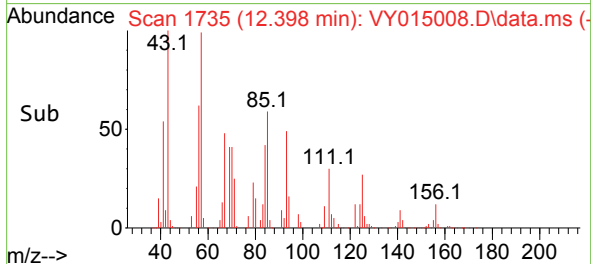
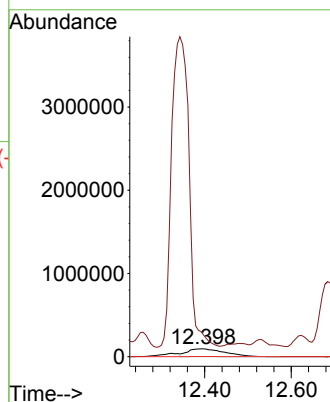
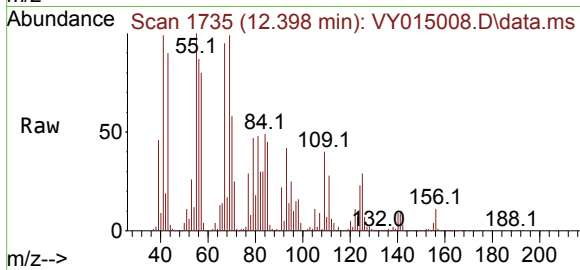
Tgt Ion:156 Resp: 554783

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.3 48.4 145.3#



#78

n-propylbenzene

Concen: 999.358 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VY015008.D

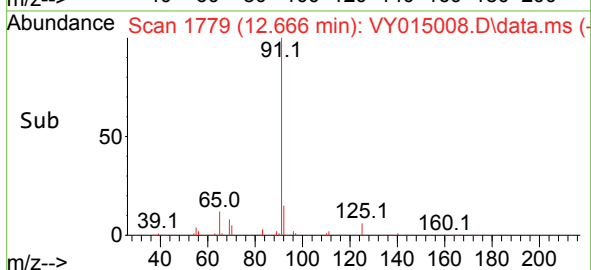
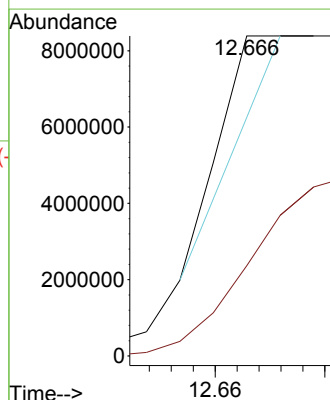
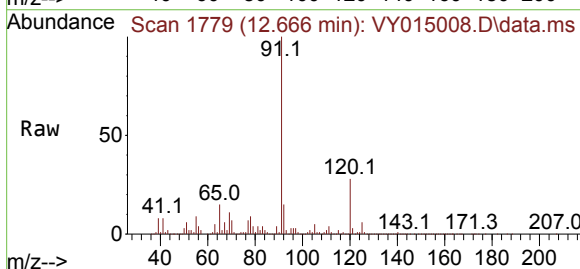
Acq: 09 Aug 2023 16:18

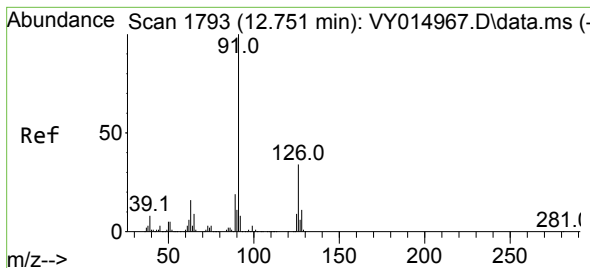
Tgt Ion: 91 Resp: 2893529

Ion Ratio Lower Upper

91 100

120 412.7 11.5 34.4#

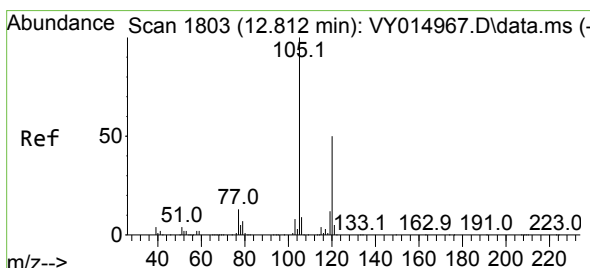
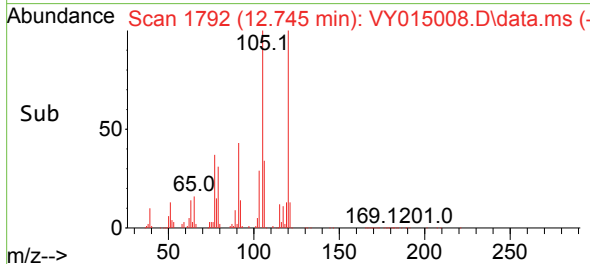
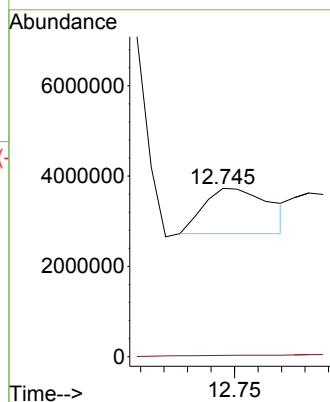
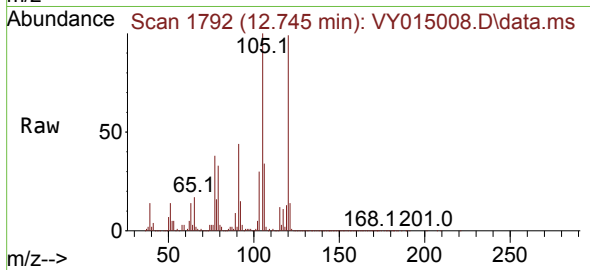




#79
2-Chlorotoluene
Concen: 1183.290 ug/l
RT: 12.745 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

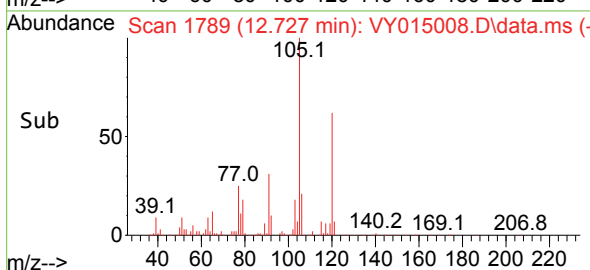
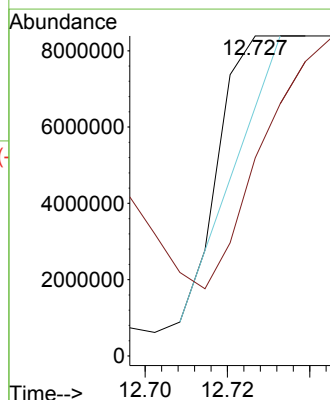
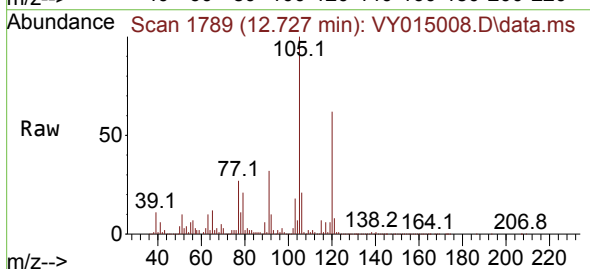
Instrument :
MSVOA_Y
ClientSampleId :
NEVINS-SB01-Z78-80

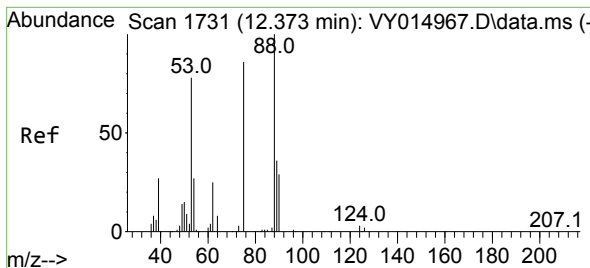
Tgt Ion: 91 Resp: 1952598
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 1585.064 ug/l
RT: 12.727 min Scan# 1789
Delta R.T. -0.086 min
Lab File: VY015008.D
Acq: 09 Aug 2023 16:18

Tgt Ion: 105 Resp: 3162046
Ion Ratio Lower Upper
105 100
120 538.9 23.9 71.7#

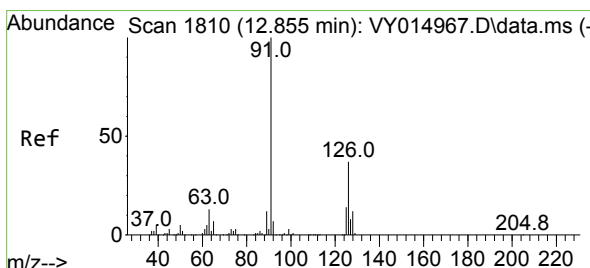
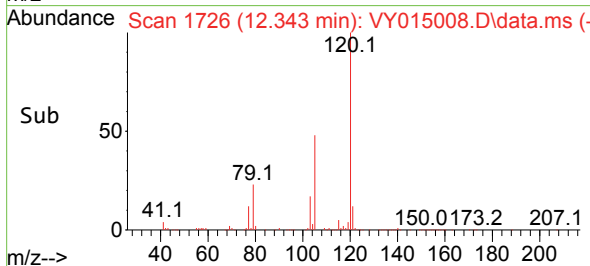
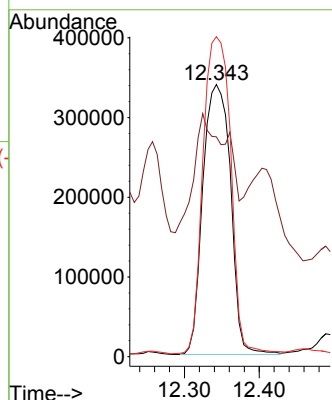
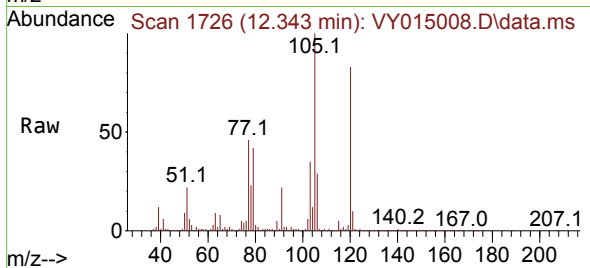




#81
 trans-1,4-Dichloro-2-butene
 Concen: 4454.886 ug/l
 RT: 12.343 min Scan# 1726
 Delta R.T. -0.031 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

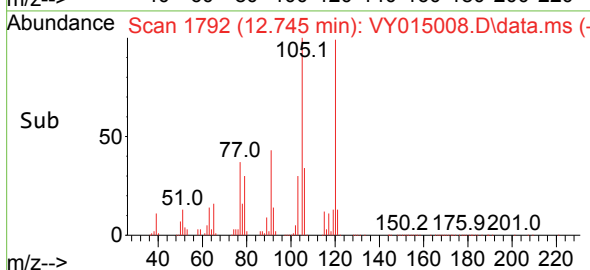
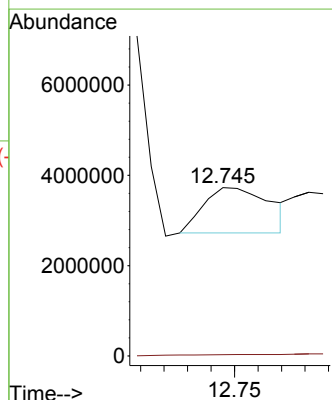
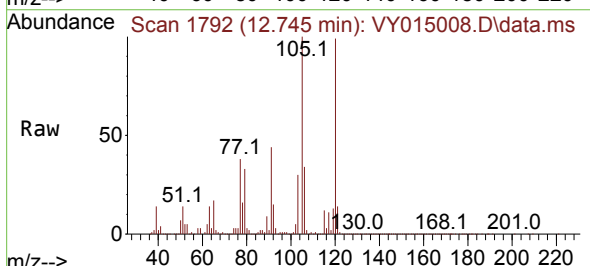
Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB01-Z78-80

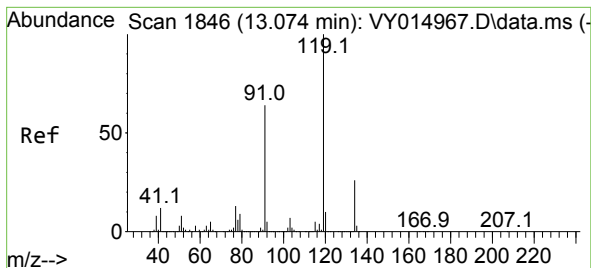
Tgt Ion: 75 Resp: 872582
 Ion Ratio Lower Upper
 75 100
 53 90.6 77.8 116.8
 89 117.6 37.4 56.0#



#82
 4-Chlorotoluene
 Concen: 1144.632 ug/l
 RT: 12.745 min Scan# 1792
 Delta R.T. -0.110 min
 Lab File: VY015008.D
 Acq: 09 Aug 2023 16:18

Tgt Ion: 91 Resp: 1952598
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.6#





#83

tert-Butylbenzene

Concen: 5705.063 ug/l

RT: 13.141 min Scan# 1857

Delta R.T. 0.067 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

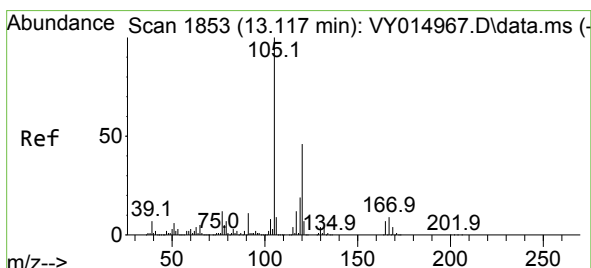
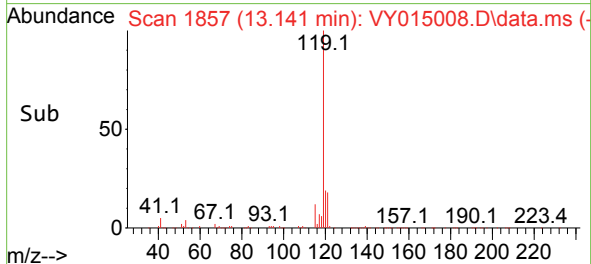
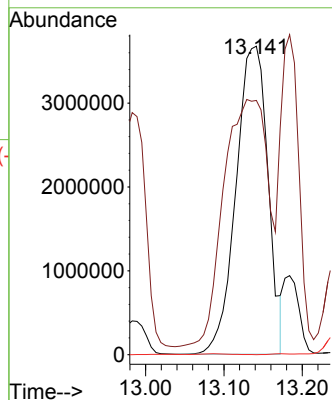
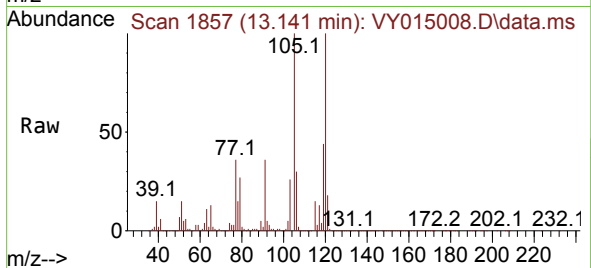
Tgt Ion:119 Resp:10411343

Ion Ratio Lower Upper

119 100

91 112.2 32.9 98.6#

134 0.0 13.0 38.9#



#84

1,2,4-Trimethylbenzene

Concen: 2010.115 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY015008.D

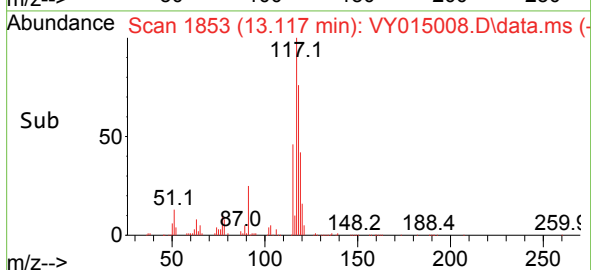
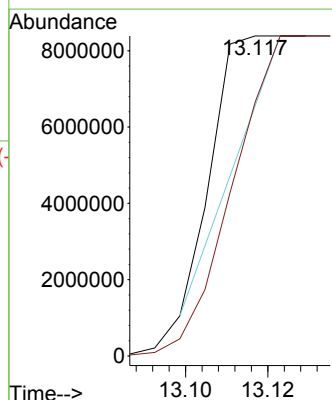
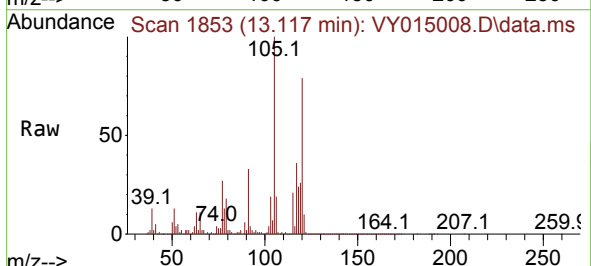
Acq: 09 Aug 2023 16:18

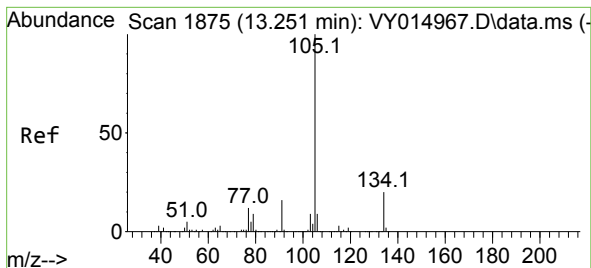
Tgt Ion:105 Resp: 4017594

Ion Ratio Lower Upper

105 100

120 0.0 22.2 66.6#





#85

sec-Butylbenzene

Concen: 571.059 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

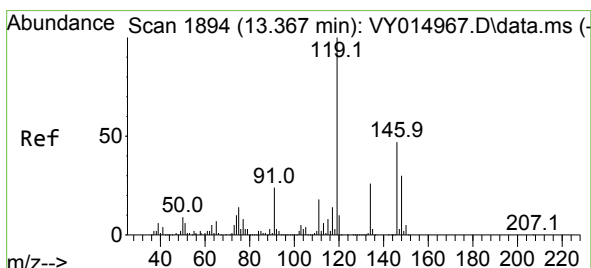
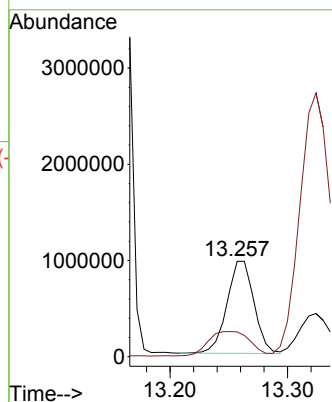
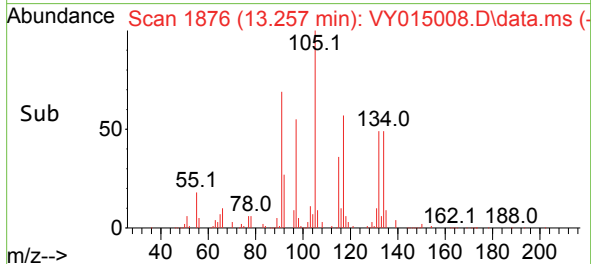
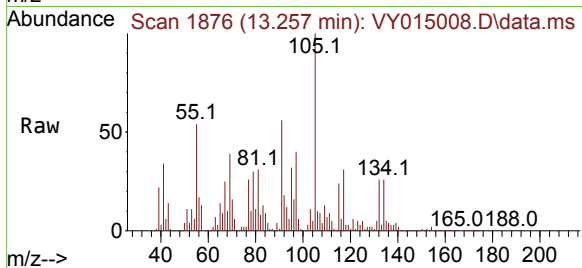
NEVINS-SB01-Z78-80

Tgt Ion:105 Resp: 1529514

Ion Ratio Lower Upper

105 100

134 41.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 4829.132 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.012 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

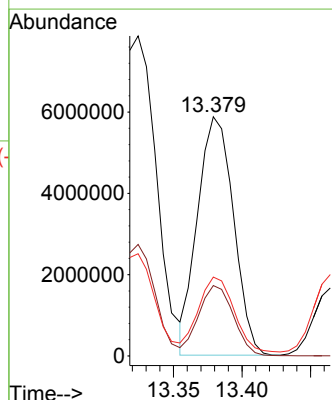
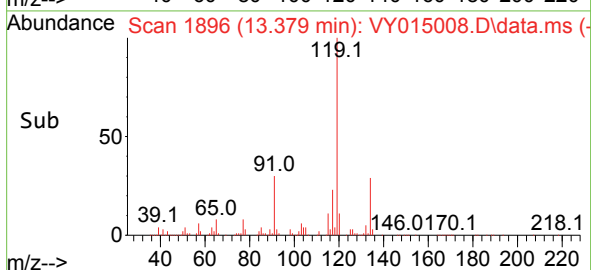
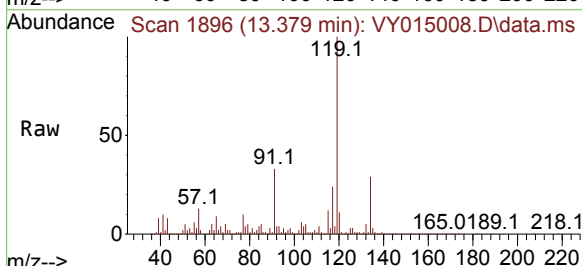
Tgt Ion:119 Resp:10706430

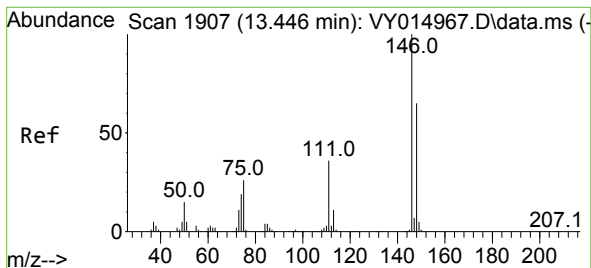
Ion Ratio Lower Upper

119 100

134 28.5 13.3 39.8

91 30.7 12.4 37.4





#88

1,4-Dichlorobenzene

Concen: 1.778 ug/l

RT: 13.483 min Scan# 1907

Delta R.T. 0.036 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

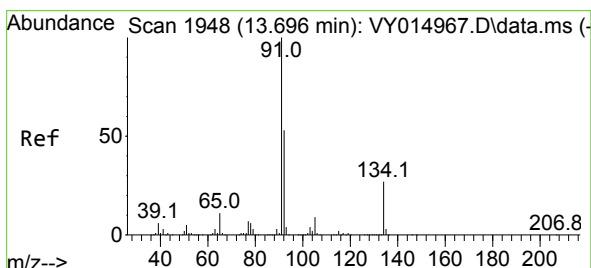
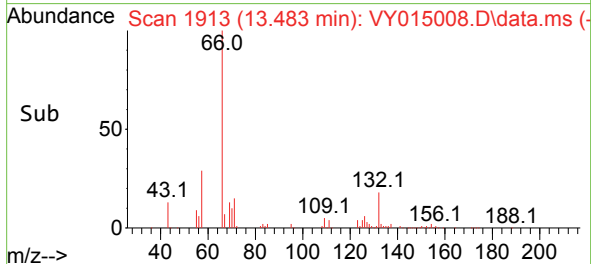
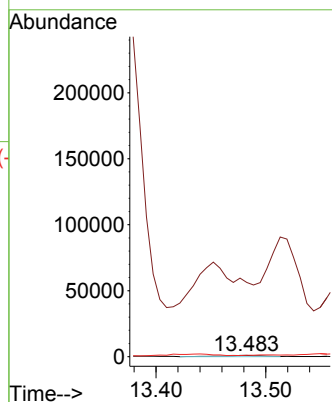
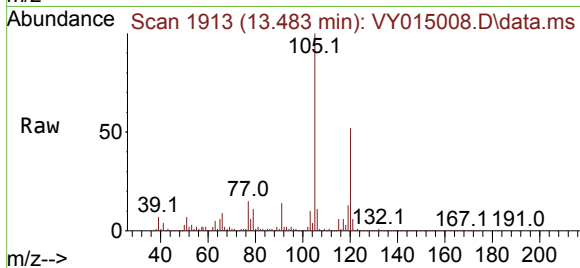
Tgt Ion:146 Resp: 2038

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.7#

148 0.0 32.1 96.5#



#89

n-Butylbenzene

Concen: 5915.200 ug/l

RT: 13.635 min Scan# 1938

Delta R.T. -0.061 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

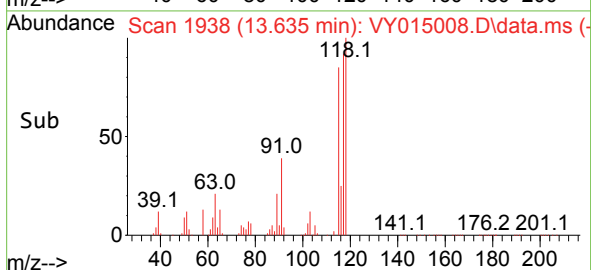
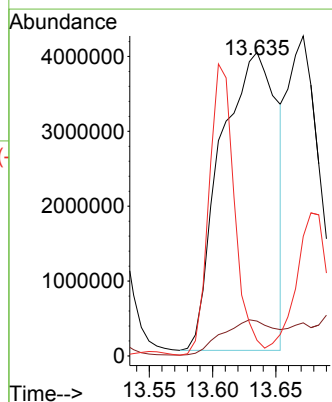
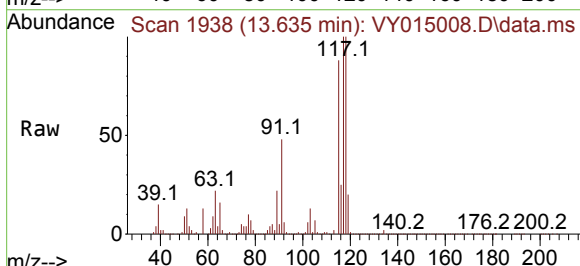
Tgt Ion: 91 Resp:12321847

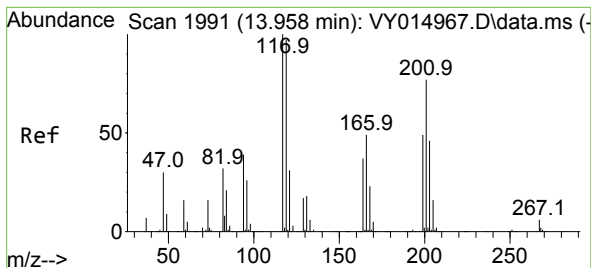
Ion Ratio Lower Upper

91 100

92 11.0 25.4 76.0#

134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 3995.131 ug/l

RT: 13.970 min Scan# 1991

Delta R.T. 0.012 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

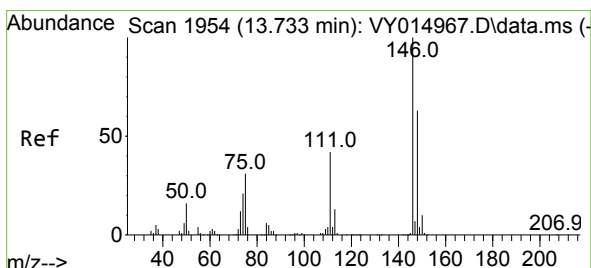
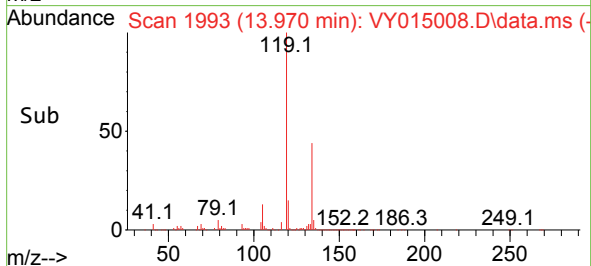
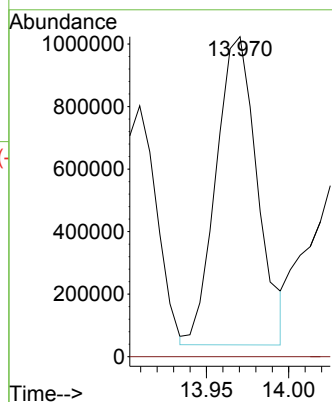
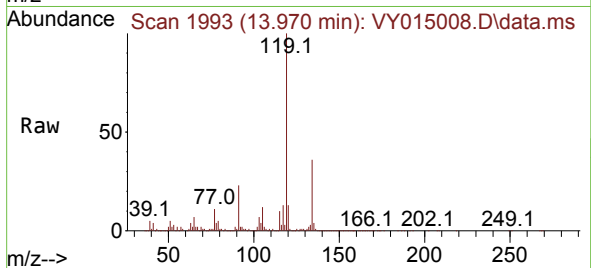
NEVINS-SB01-Z78-80

Tgt Ion:117 Resp: 1720050

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#91

1,2-Dichlorobenzene

Concen: 4.168 ug/l

RT: 13.708 min Scan# 1950

Delta R.T. -0.025 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

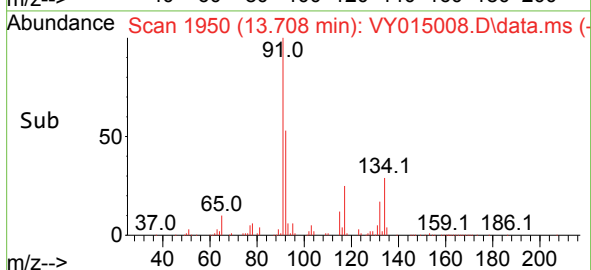
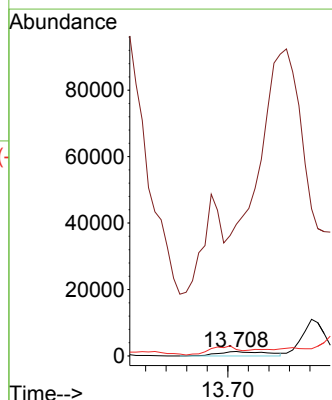
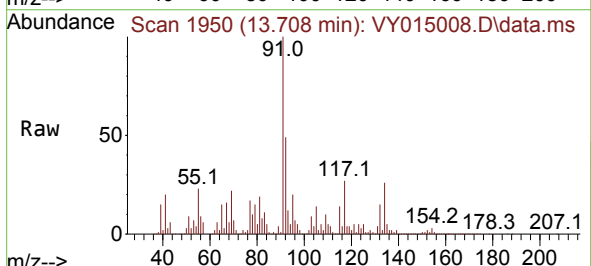
Tgt Ion:146 Resp: 4421

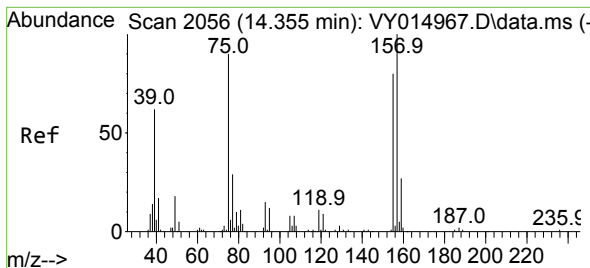
Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

148 114.7 32.0 96.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 149.990 ug/l

RT: 14.330 min Scan# 2052

Delta R.T. -0.025 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

NEVINS-SB01-Z78-80

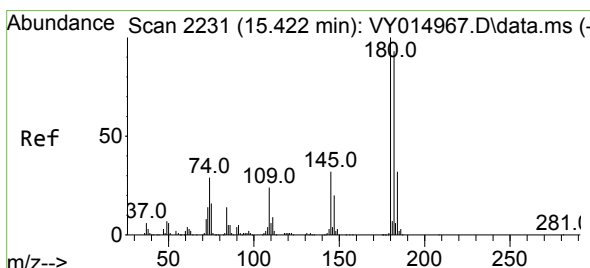
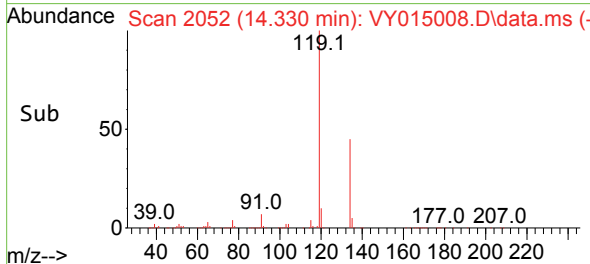
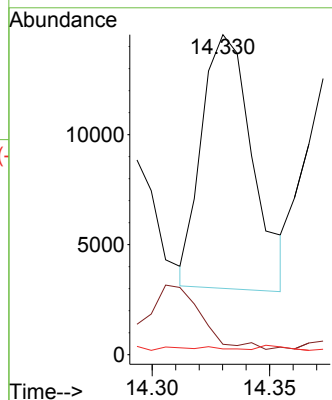
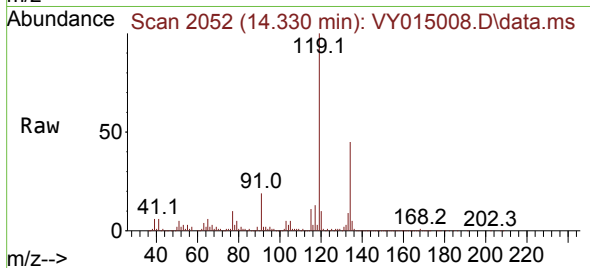
Tgt Ion: 75 Resp: 17325

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 1.0 51.8 155.5#



#96

1,2,3-Trichlorobenzene

Concen: 1.144 ug/l

RT: 15.446 min Scan# 2235

Delta R.T. 0.024 min

Lab File: VY015008.D

Acq: 09 Aug 2023 16:18

Tgt Ion:180 Resp: 703

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 0.0 15.4 46.2#

