

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023055.D
 Acq On : 12 Aug 2025 16:47
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:55:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	538712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	844092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	756365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	389949	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	746936	145.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 290.960%#	
35) Dibromofluoromethane	7.628	113	771944	152.837	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 305.680%#	
50) Toluene-d8	10.103	98	3003834	152.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 304.480%#	
62) 4-Bromofluorobenzene	12.402	95	998318	157.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 314.660%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	571723	130.017	ug/l	98
3) Chloromethane	2.062	50	991215	139.173	ug/l	99
4) Vinyl Chloride	2.202	62	1238646	140.692	ug/l	99
5) Bromomethane	2.580	94	938717	142.770	ug/l	100
6) Chloroethane	2.720	64	834547	142.581	ug/l	100
7) Trichlorofluoromethane	3.043	101	1574213	147.051	ug/l	99
8) Diethyl Ether	3.446	74	426242	150.496	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.806	101	763053	144.479	ug/l	99
10) Methyl Iodide	3.995	142	909378	159.567	ug/l	100
11) Tert butyl alcohol	4.860	59	265243	753.967	ug/l	100
12) 1,1-Dichloroethene	3.781	96	768098	147.960	ug/l	95
13) Acrolein	3.647	56	374594	727.070	ug/l	98
14) Allyl chloride	4.372	41	1151194	150.707	ug/l	99
15) Acrylonitrile	5.049	53	883293	767.115	ug/l	99
16) Acetone	3.866	43	777658	699.133	ug/l	100
17) Carbon Disulfide	4.098	76	2426564	143.357	ug/l	99
18) Methyl Acetate	4.379	43	500151	151.100	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2113920	157.144	ug/l	99
20) Methylene Chloride	4.604	84	846955	152.064	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	889517	152.474	ug/l	97
22) Diisopropyl ether	6.012	45	2594499	156.307	ug/l	99
23) Vinyl Acetate	5.951	43	7267824	791.851	ug/l	99
24) 1,1-Dichloroethane	5.909	63	1527663	150.534	ug/l	99
25) 2-Butanone	6.890	43	1144112	756.289	ug/l	97
26) 2,2-Dichloropropane	6.878	77	1293043	147.663	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	1047717	155.348	ug/l	98
28) Bromochloromethane	7.238	49	599841	148.984	ug/l	98
29) Tetrahydrofuran	7.256	42	734408	783.186	ug/l	99
30) Chloroform	7.415	83	1585686	151.505	ug/l	95
31) Cyclohexane	7.695	56	1354021	141.586	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1396470	150.372	ug/l	100
36) 1,1-Dichloropropene	7.829	75	1132306	150.850	ug/l	99
37) Ethyl Acetate	6.982	43	494371	156.788	ug/l	99
38) Carbon Tetrachloride	7.811	117	1226800	150.478	ug/l	96
39) Methylcyclohexane	9.103	83	1556004	157.417	ug/l	98
40) Benzene	8.073	78	3533174	152.720	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	261721	143.669	ug/l	90
42) 1,2-Dichloroethane	8.152	62	909030	151.078	ug/l	100
43) Isopropyl Acetate	8.195	43	1029854	161.596	ug/l	98
44) Trichloroethene	8.860	130	909510	152.126	ug/l	94
45) 1,2-Dichloropropane	9.134	63	822035	154.426	ug/l	99
46) Dibromomethane	9.225	93	480162	157.156	ug/l	100
47) Bromodichloromethane	9.420	83	1217658	154.884	ug/l	99
48) Methyl methacrylate	9.213	41	497527	163.144	ug/l	97
49) 1,4-Dioxane	9.225	88	117513	3280.235	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	2677587	814.509	ug/l	99
52) Toluene	10.164	92	2332797	158.762	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1162952	163.355	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	1366797	162.359	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	642236	157.090	ug/l	98
56) Ethyl methacrylate	10.432	69	908662	173.693	ug/l	100
57) 1,3-Dichloropropane	10.713	76	1087297	156.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	2167815	878.488	ug/l	99
59) 2-Hexanone	10.756	43	1848093	825.606	ug/l	100
60) Dibromochloromethane	10.908	129	860181	159.454	ug/l	99
61) 1,2-Dibromoethane	11.012	107	613069	159.546	ug/l	99
64) Tetrachloroethene	10.640	164	990664	146.682	ug/l	98
65) Chlorobenzene	11.438	112	2520874	154.514	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	871003	157.304	ug/l	99
67) Ethyl Benzene	11.511	91	4438665	158.093	ug/l	98
68) m/p-Xylenes	11.621	106	3511726	320.251	ug/l	96
69) o-Xylene	11.950	106	1683720	163.941	ug/l	100
70) Styrene	11.963	104	2846443	169.475	ug/l	99
71) Bromoform	12.127	173	523541	161.778	ug/l #	98
73) Isopropylbenzene	12.249	105	4269945	155.145	ug/l	99
74) N-amyl acetate	12.066	43	982090	168.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	717524	152.686	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	950569	252.416	ug/l #	100
77) Bromobenzene	12.523	156	1021449	155.568	ug/l	99
78) n-propylbenzene	12.591	91	5048012	154.058	ug/l	99
79) 2-Chlorotoluene	12.676	91	2878647	153.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	3469329	155.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	245958	158.203	ug/l	97
82) 4-Chlorotoluene	12.773	91	2981042	153.063	ug/l	99
83) tert-Butylbenzene	12.993	119	3161475	157.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	3501626	158.143	ug/l	100
85) sec-Butylbenzene	13.170	105	4541629	153.897	ug/l	99
86) p-Isopropyltoluene	13.286	119	3918969	159.987	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	2049060	158.251	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1941716	151.172	ug/l	98
89) n-Butylbenzene	13.609	91	3578272	159.048	ug/l	100
90) Hexachloroethane	13.871	117	772603	154.073	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	1754100	154.469	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	114505	156.498	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	1117401	166.397	ug/l	98
94) Hexachlorobutadiene	15.017	225	589351	149.352	ug/l	99
95) Naphthalene	15.139	128	2094983	182.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	975366	168.557	ug/l	99

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QLast Update : Wed Aug 13 01:46:43 2025
Response via : Initial Calibration

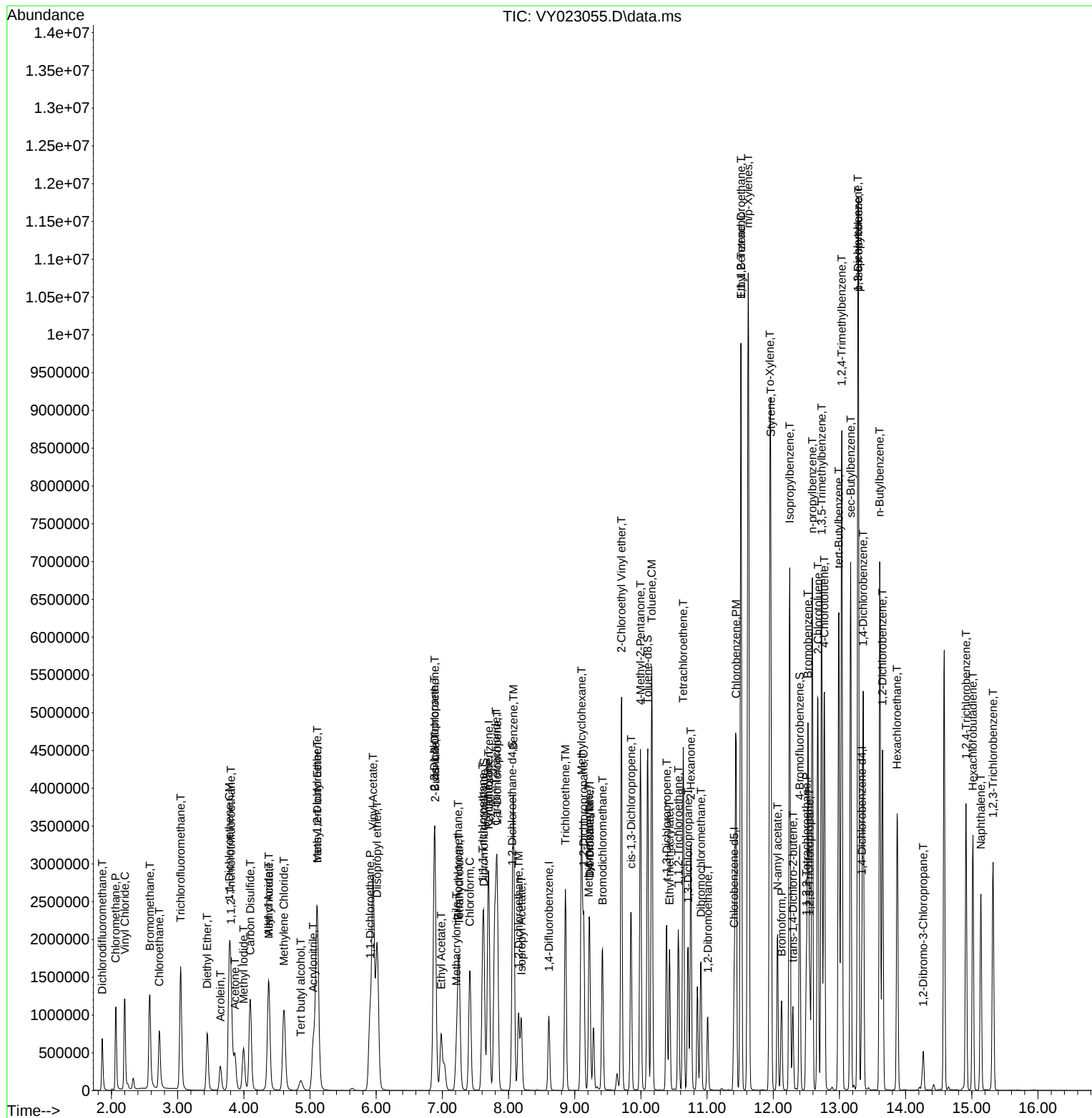
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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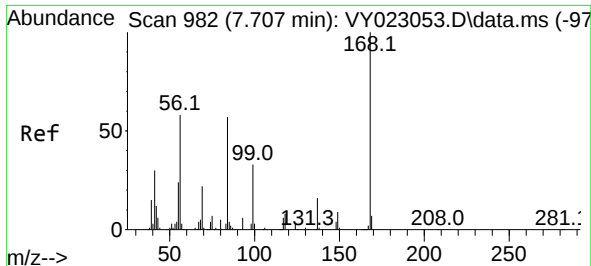
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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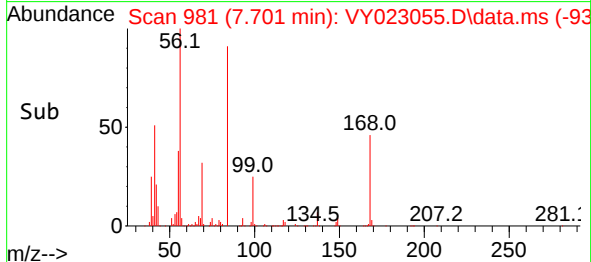
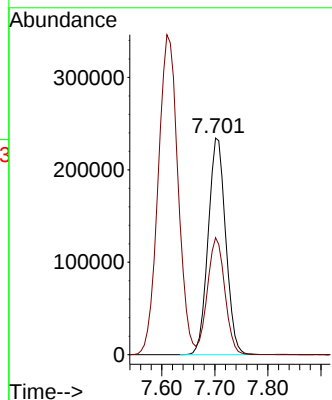
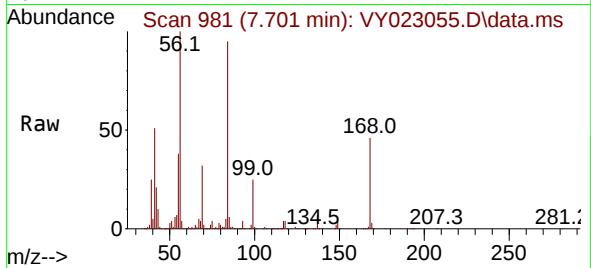




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
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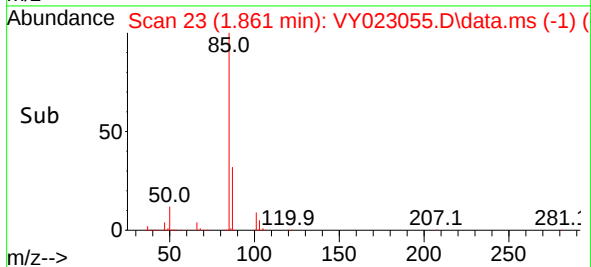
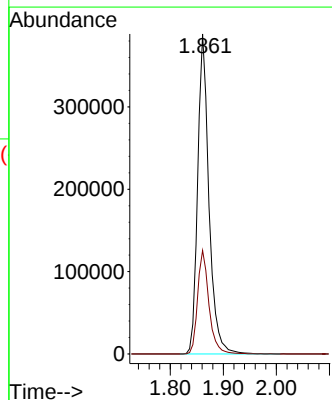
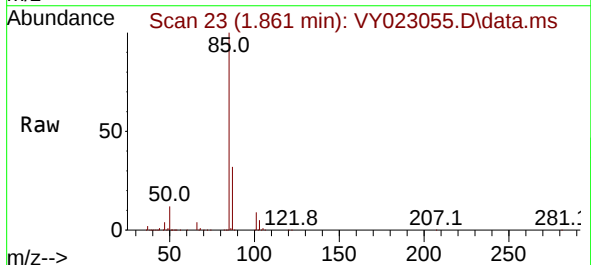
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 538712
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 130.017 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 85 Resp: 571723
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8

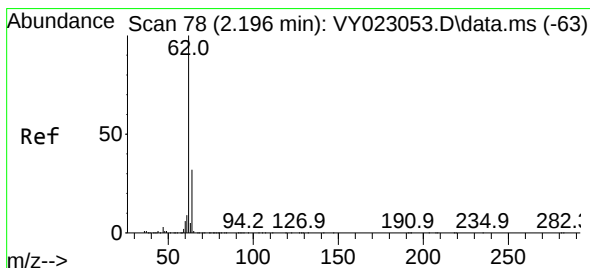
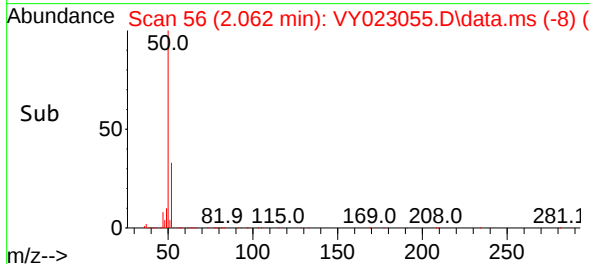
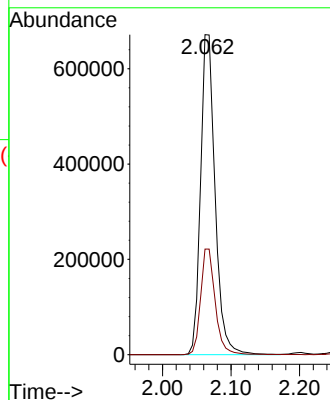
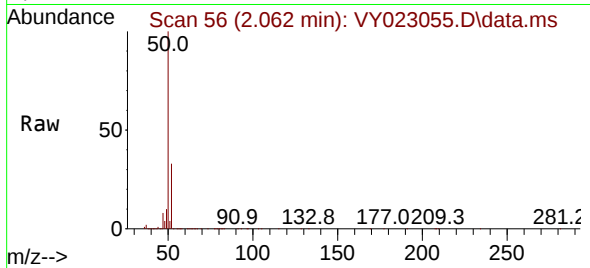




#3
Chloromethane
Concen: 139.173 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

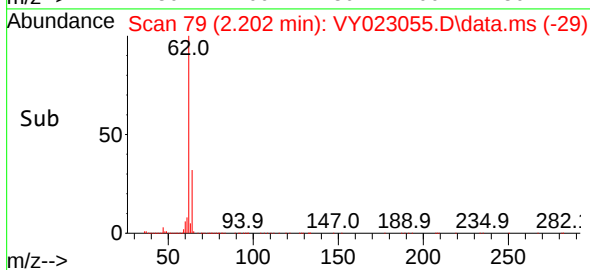
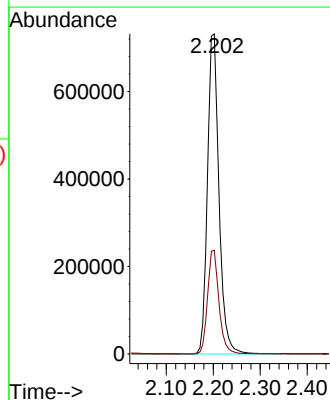
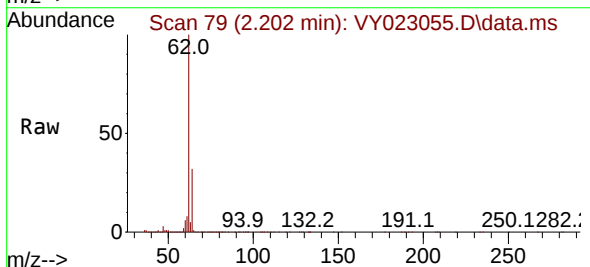
Instrument :
MSVOA_Y
ClientSampleId :

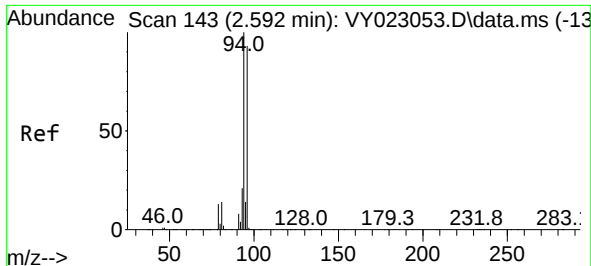
Tgt Ion: 50 Resp: 991215
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1



#4
Vinyl Chloride
Concen: 140.692 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 1238646
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0

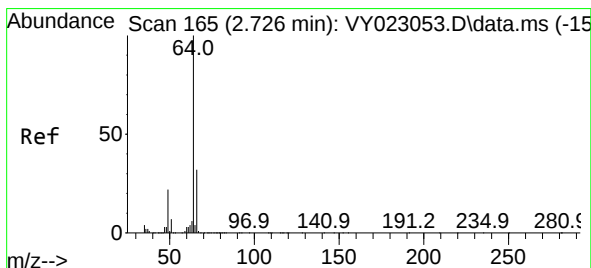
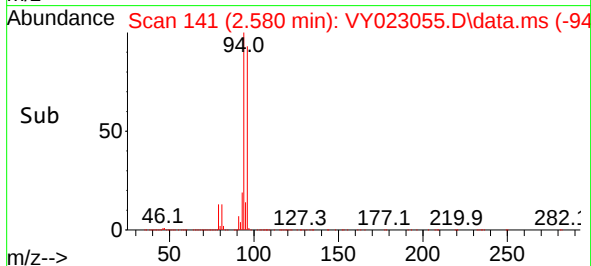
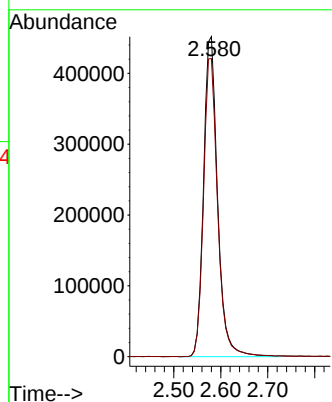
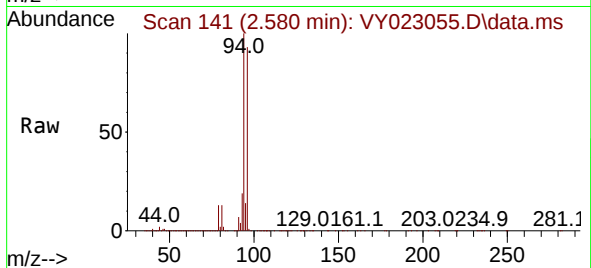




#5
Bromomethane
Concen: 142.770 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

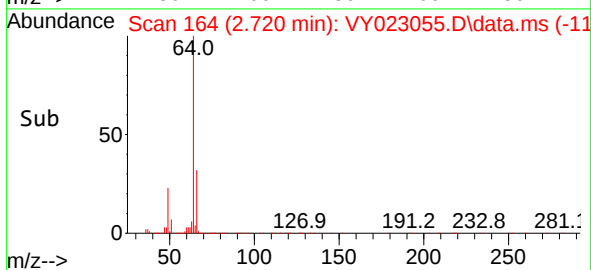
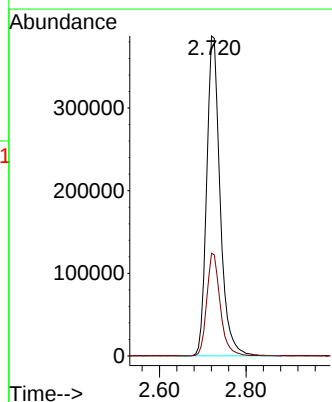
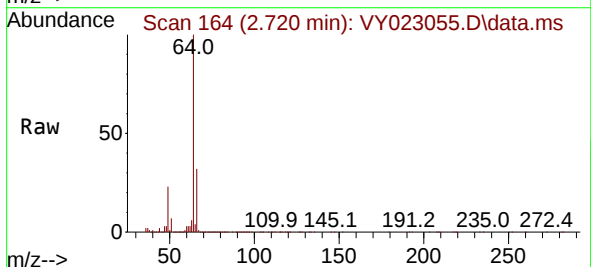
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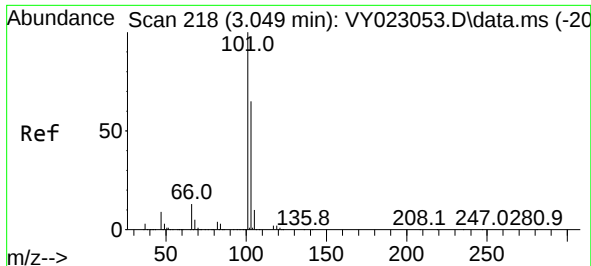
Tgt Ion: 94 Resp: 938717
Ion Ratio Lower Upper
94 100
96 93.2 74.6 112.0



#6
Chloroethane
Concen: 142.581 ug/l
RT: 2.720 min Scan# 164
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 64 Resp: 834547
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.6

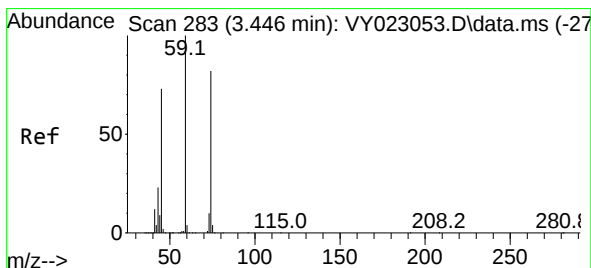
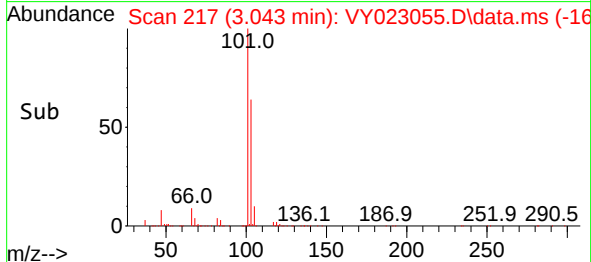
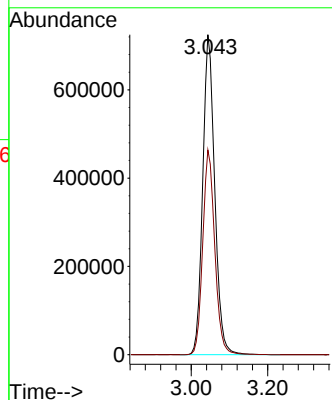
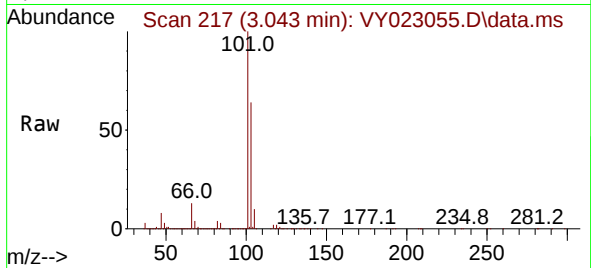




#7
Trichlorofluoromethane
Concen: 147.051 ug/l
RT: 3.043 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

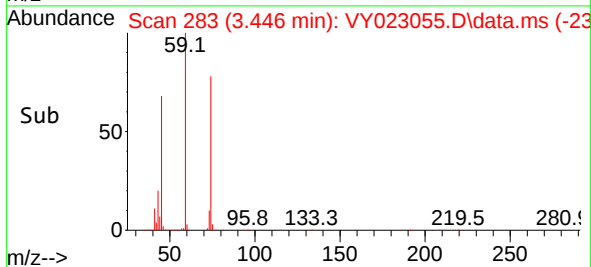
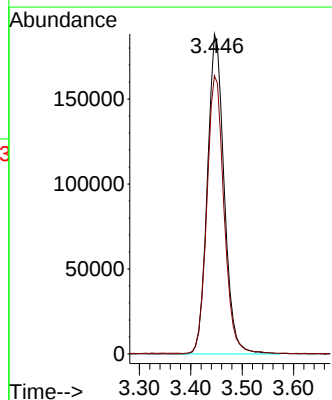
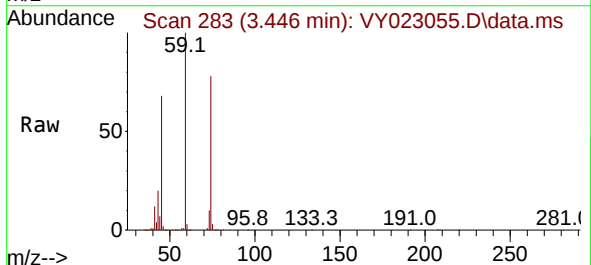
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:101 Resp: 1574213
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9



#8
Diethyl Ether
Concen: 150.496 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 74 Resp: 426242
Ion Ratio Lower Upper
74 100
45 88.9 44.4 133.2

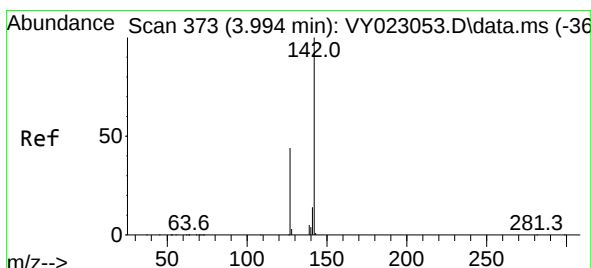
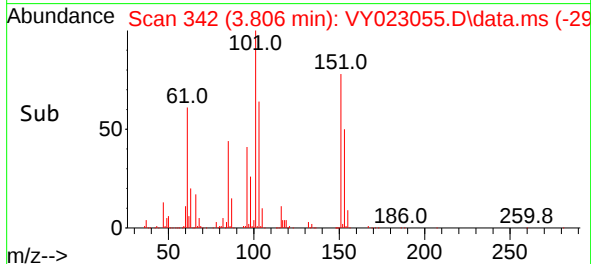
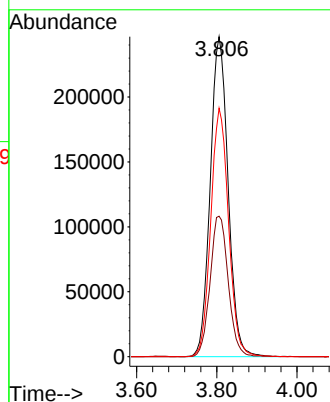
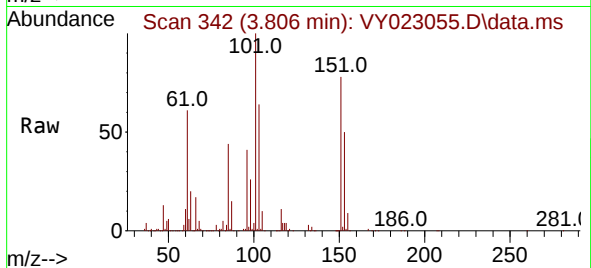




#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.479 ug/l
RT: 3.806 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023055.D
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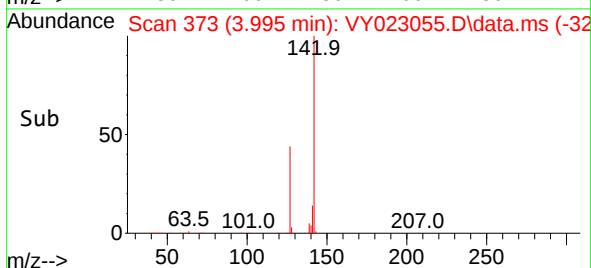
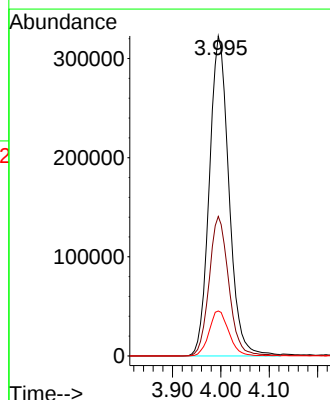
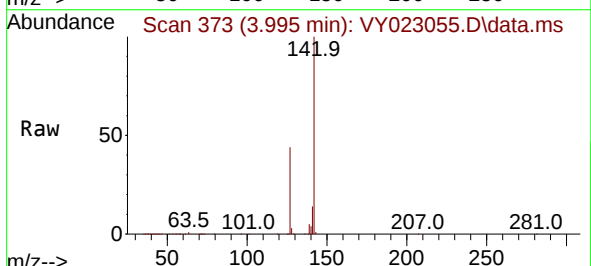
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:101 Resp: 763053
Ion Ratio Lower Upper
101 100
85 44.7 36.3 54.5
151 77.4 61.5 92.3



#10
Methyl Iodide
Concen: 159.567 ug/l
RT: 3.995 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:142 Resp: 909378
Ion Ratio Lower Upper
142 100
127 43.7 34.9 52.3
141 14.2 11.3 16.9

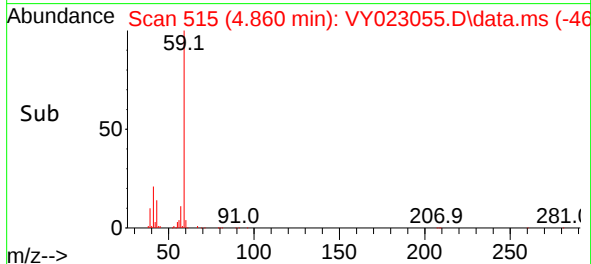
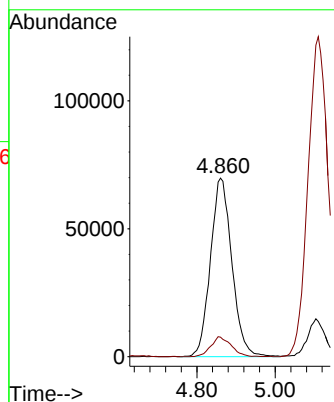
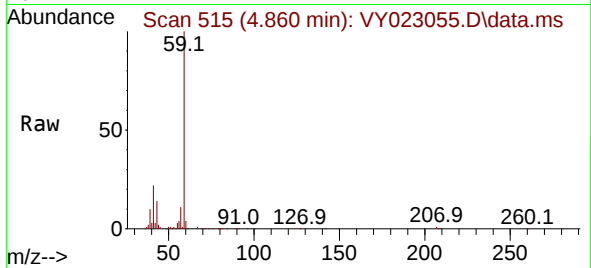




#11
Tert butyl alcohol
Concen: 753.967 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

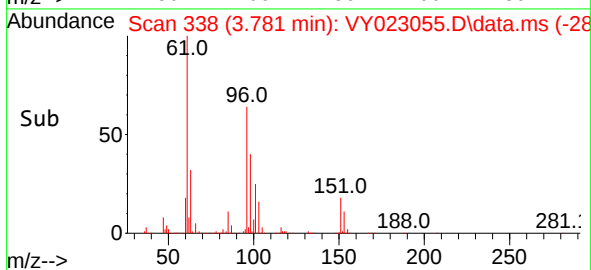
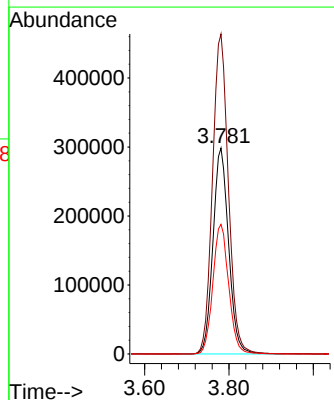
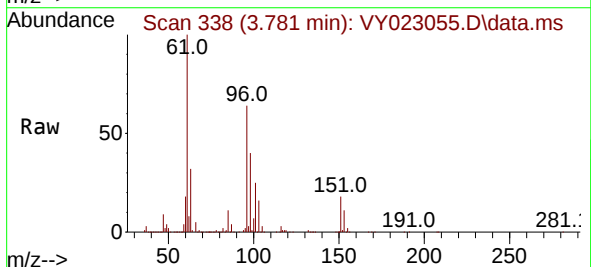
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 265243
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0



#12
1,1-Dichloroethene
Concen: 147.960 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 96 Resp: 768098
Ion Ratio Lower Upper
96 100
61 155.4 129.4 194.2
98 62.9 52.8 79.2

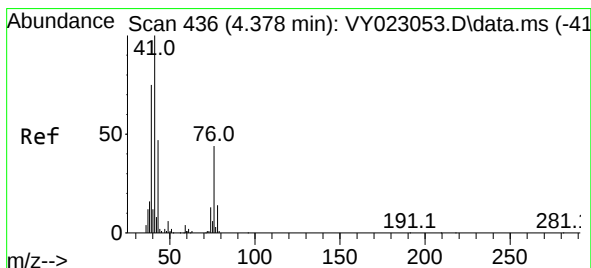
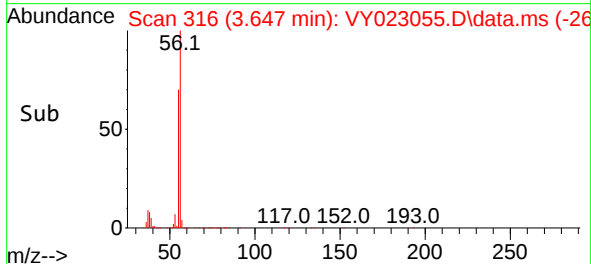
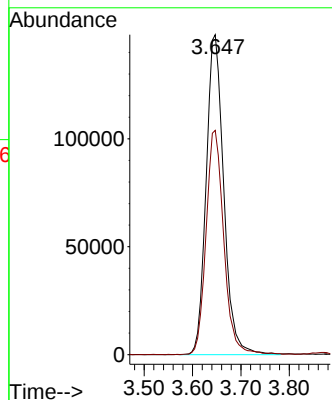
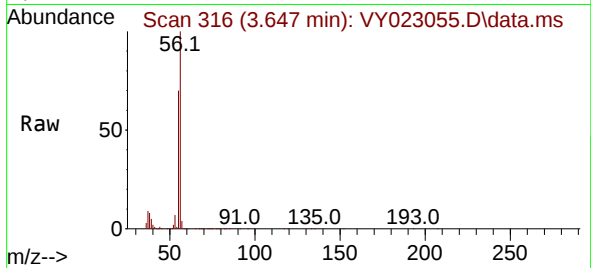




#13
Acrolein
Concen: 727.070 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

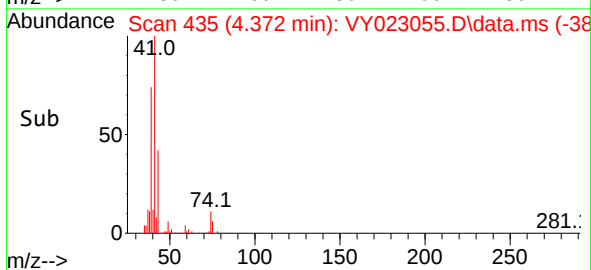
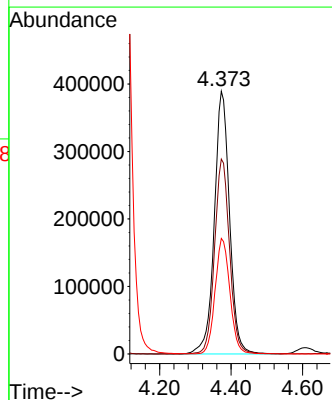
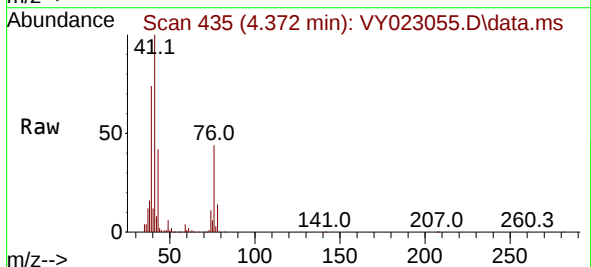
Instrument :
MSVOA_Y
ClientSampleId :

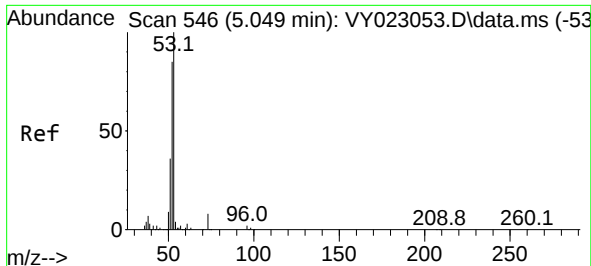
Tgt Ion: 56 Resp: 374594
Ion Ratio Lower Upper
56 100
55 70.6 55.2 82.8



#14
Allyl chloride
Concen: 150.707 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 1151194
Ion Ratio Lower Upper
41 100
39 73.2 59.8 89.6
76 42.6 33.7 50.5

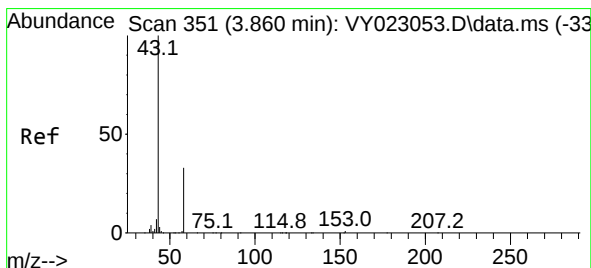
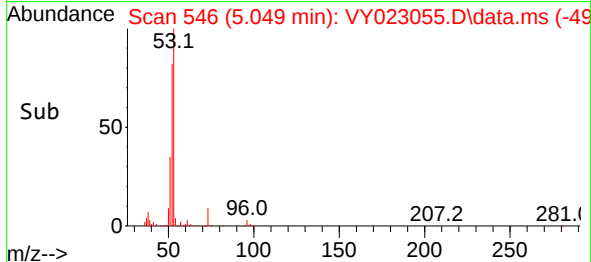
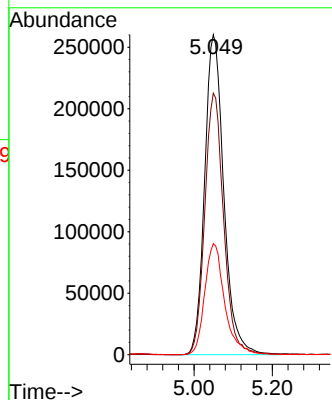
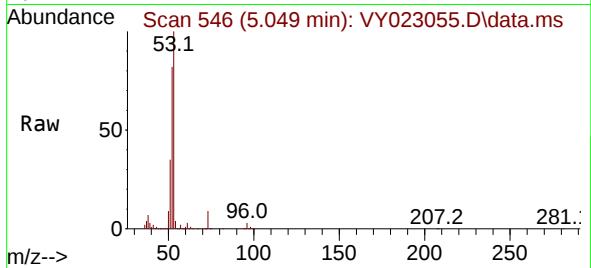




#15
Acrylonitrile
Concen: 767.115 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

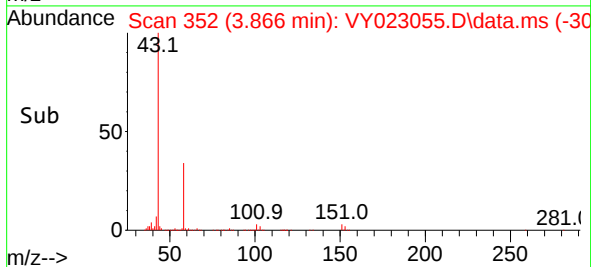
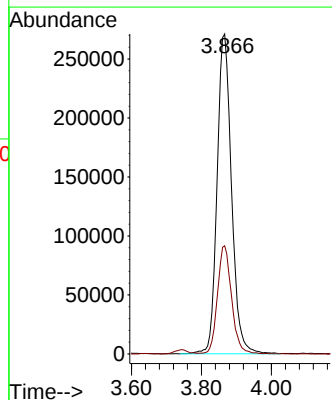
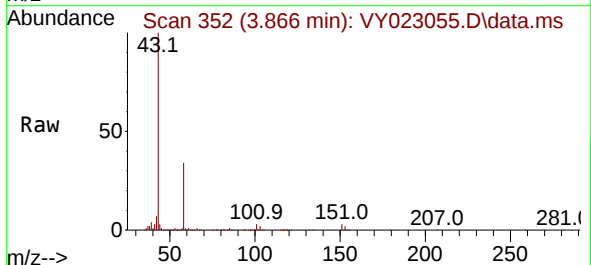
Instrument :
MSVOA_Y
ClientSampleId :

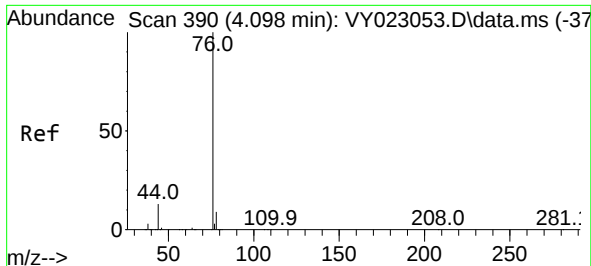
Tgt Ion: 53 Resp: 883293
Ion Ratio Lower Upper
53 100
52 80.4 65.3 97.9
51 36.2 29.5 44.3



#16
Acetone
Concen: 699.133 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 777658
Ion Ratio Lower Upper
43 100
58 33.7 27.1 40.7

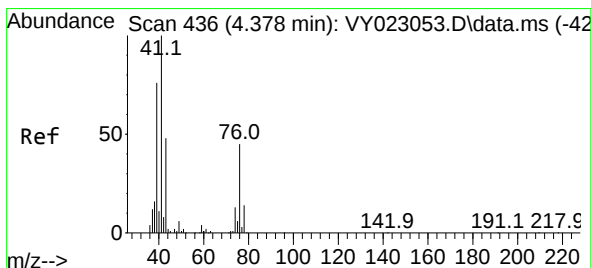
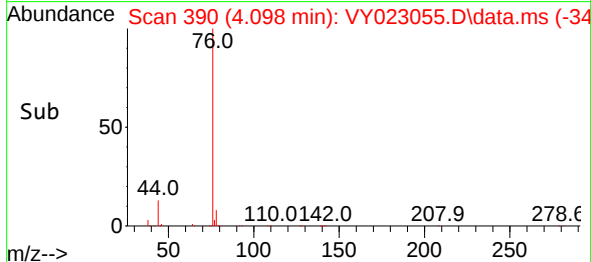
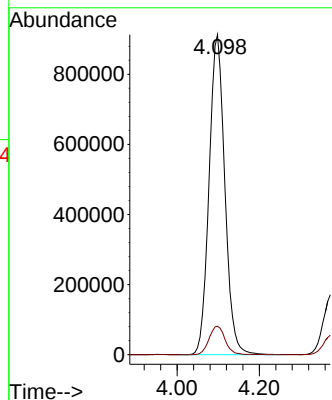
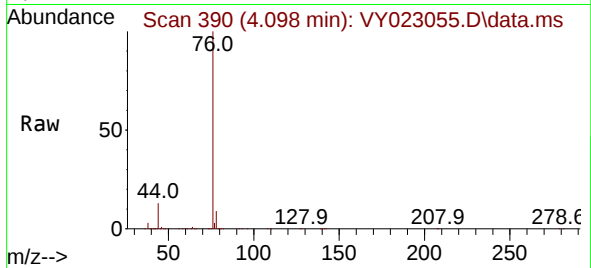




#17
Carbon Disulfide
Concen: 143.357 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

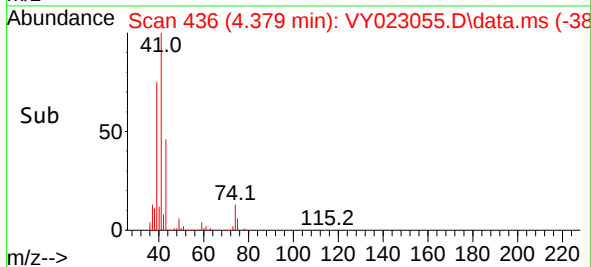
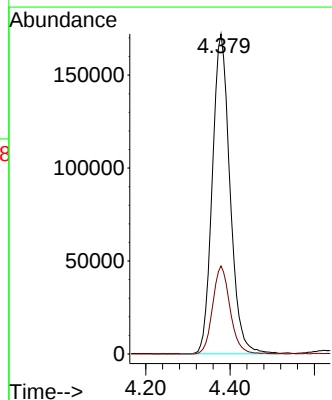
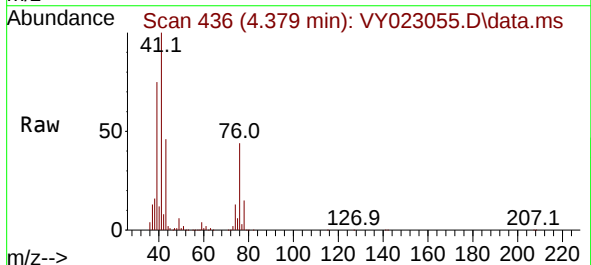
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 2426564
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 151.100 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 500151
Ion Ratio Lower Upper
43 100
74 27.1 21.2 31.8

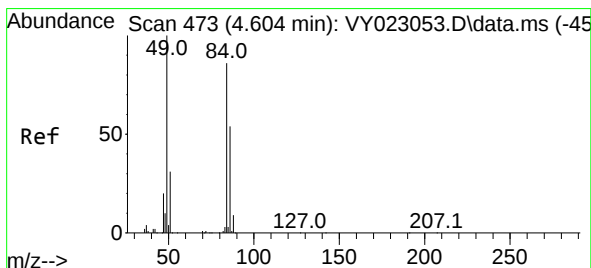
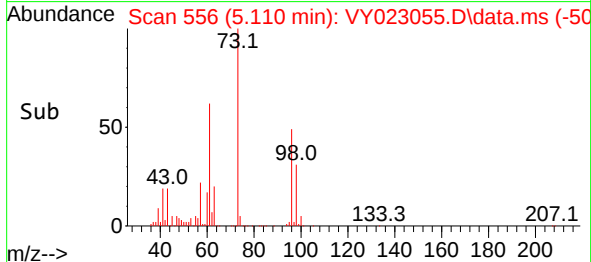
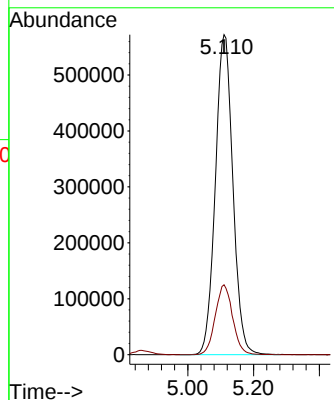
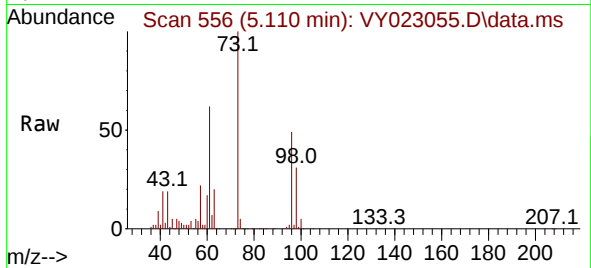




#19
Methyl tert-butyl Ether
Concen: 157.144 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

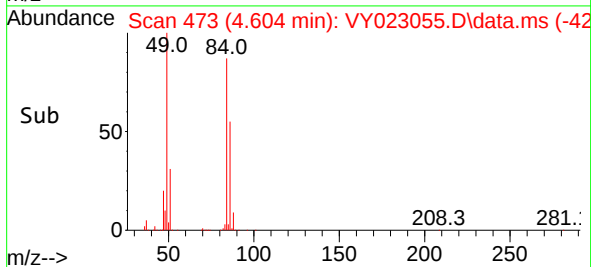
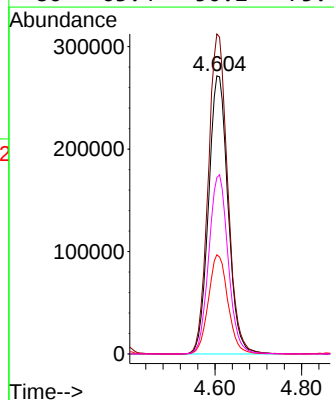
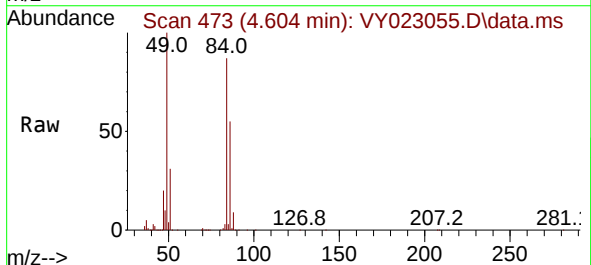
Instrument :
MSVOA_Y
ClientSampleId :

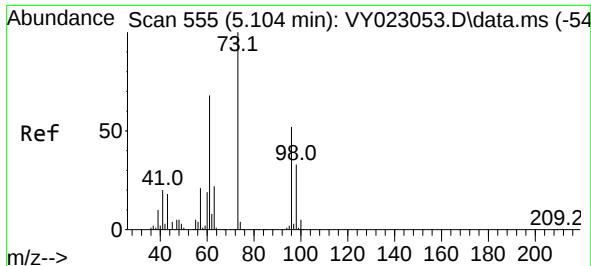
Tgt Ion: 73 Resp: 2113920
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7



#20
Methylene Chloride
Concen: 152.064 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 84 Resp: 846955
Ion Ratio Lower Upper
84 100
49 115.1 93.0 139.6
51 35.7 29.0 43.4
86 63.4 50.2 75.4

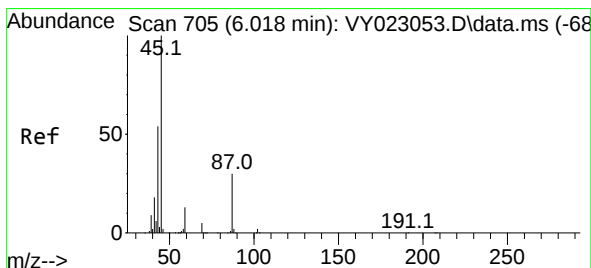
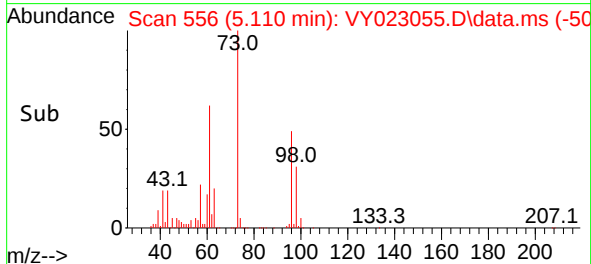
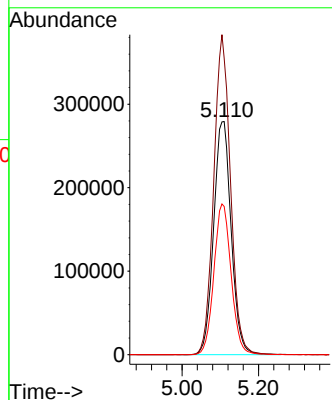
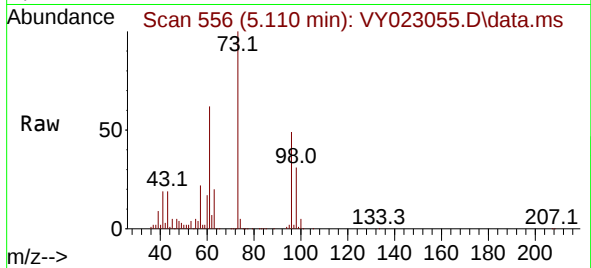




#21
trans-1,2-Dichloroethene
Concen: 152.474 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

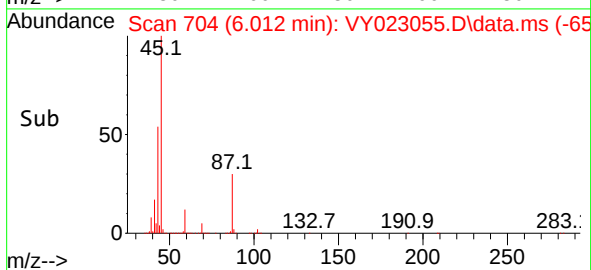
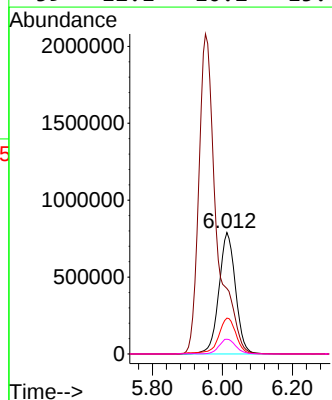
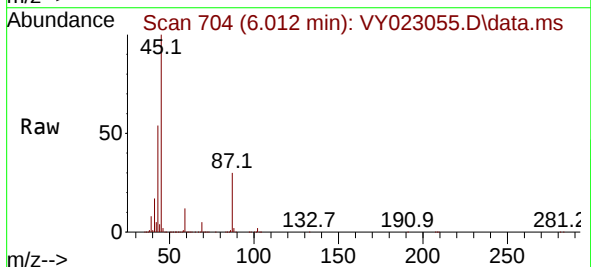
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 96 Resp: 889517
Ion Ratio Lower Upper
96 100
61 127.0 104.8 157.2
98 63.5 50.1 75.1



#22
Diisopropyl ether
Concen: 156.307 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 45 Resp: 2594499
Ion Ratio Lower Upper
45 100
43 53.8 43.4 65.0
87 29.5 24.4 36.6
59 12.1 10.2 15.4

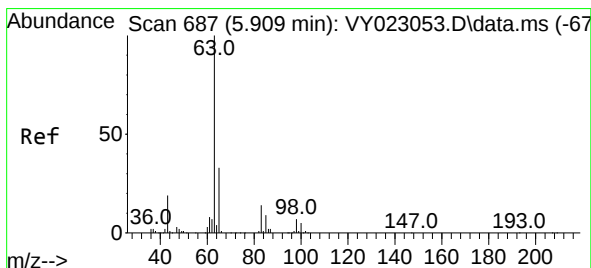
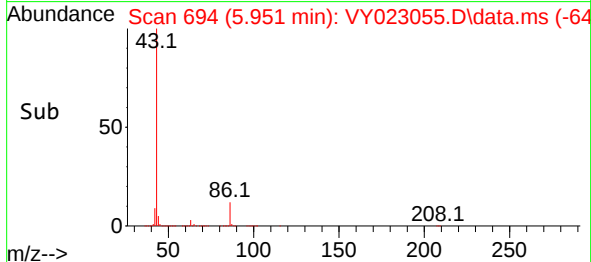
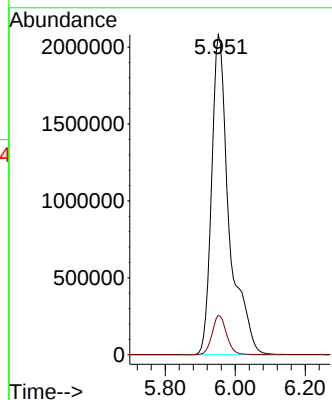
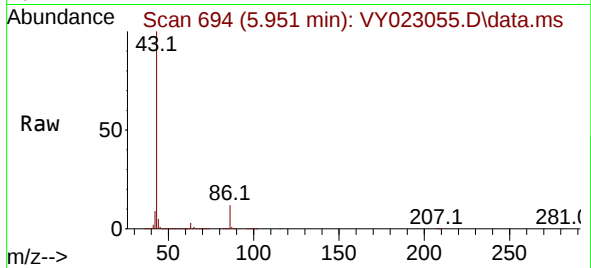




#23
 Vinyl Acetate
 Concen: 791.851 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

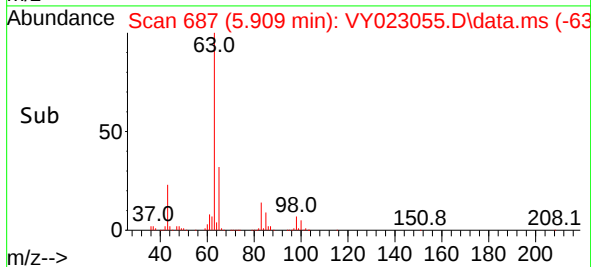
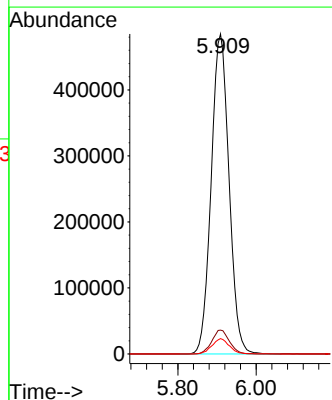
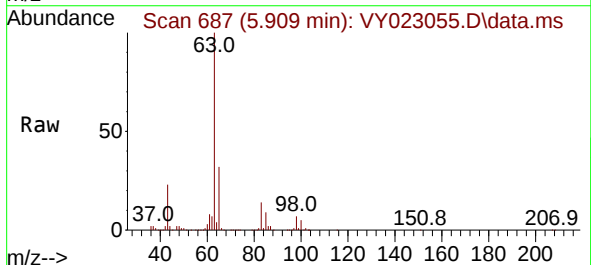
Instrument :
 MSVOA_Y
 ClientSampleId :

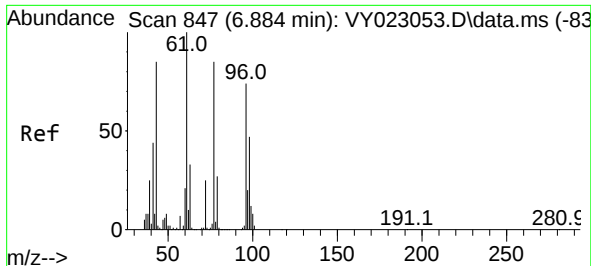
Tgt Ion: 43 Resp: 7267824
 Ion Ratio Lower Upper
 43 100
 86 12.3 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 150.534 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion: 63 Resp: 1527663
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.8 2.4 7.1

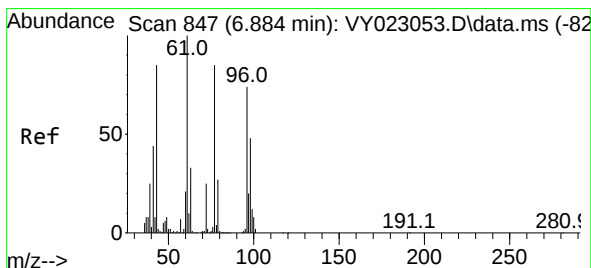
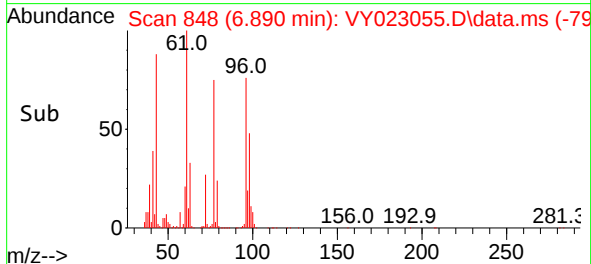
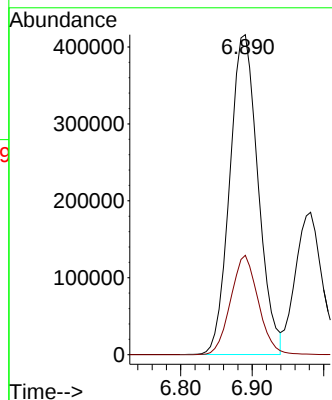
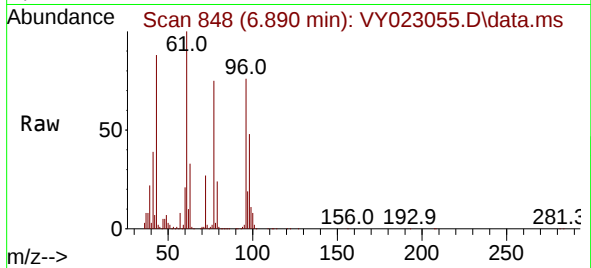




#25
2-Butanone
Concen: 756.289 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

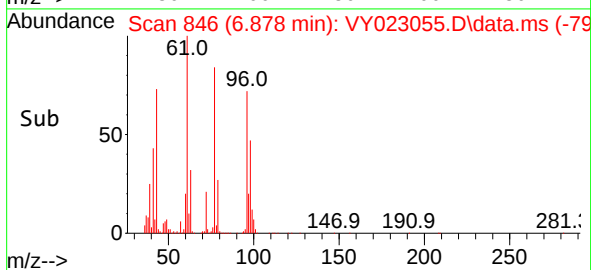
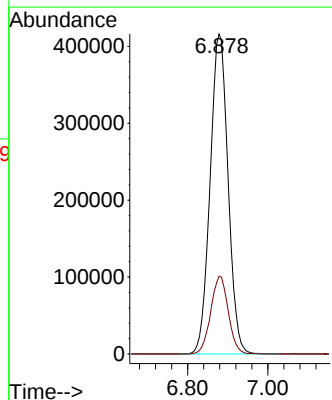
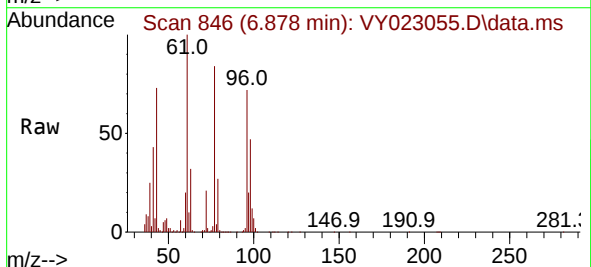
Instrument :
MSVOA_Y
ClientSampleId :

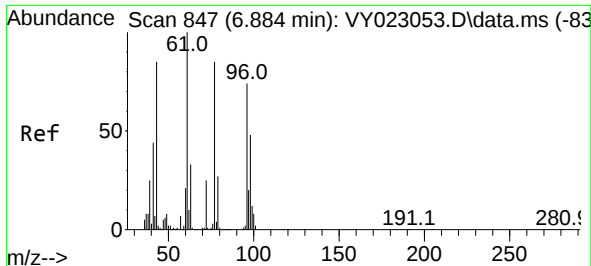
Tgt Ion: 43 Resp: 1144112
Ion Ratio Lower Upper
43 100
72 31.1 23.5 35.3



#26
2,2-Dichloropropane
Concen: 147.663 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 77 Resp: 1293043
Ion Ratio Lower Upper
77 100
97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 155.348 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

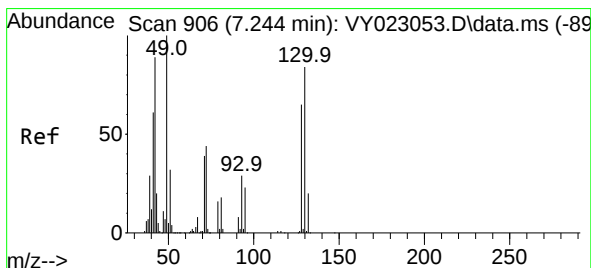
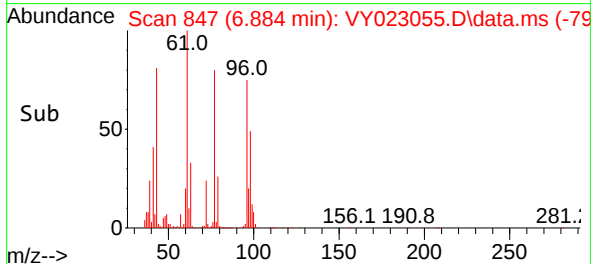
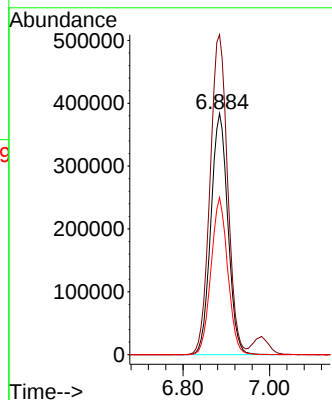
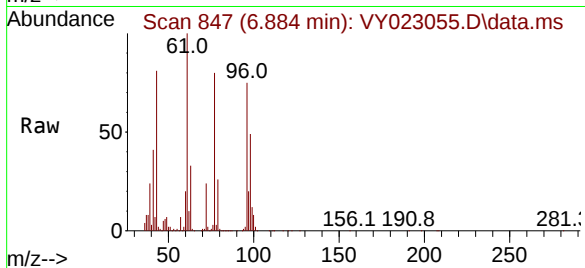
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 96 Resp: 1047717

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	278.6
98	64.1	0.0	130.4



#28

Bromochloromethane

Concen: 148.984 ug/l

RT: 7.238 min Scan# 905

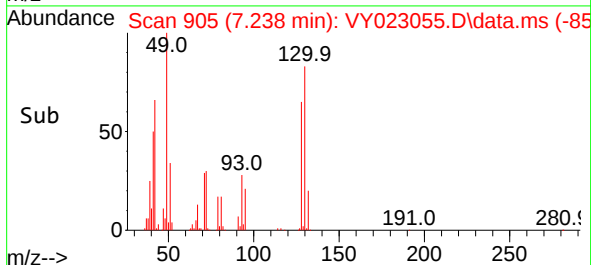
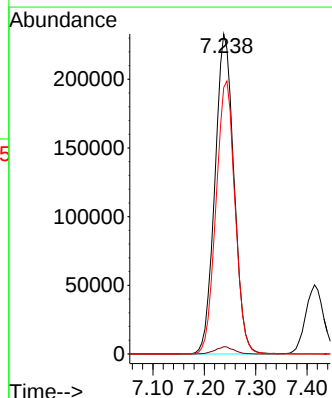
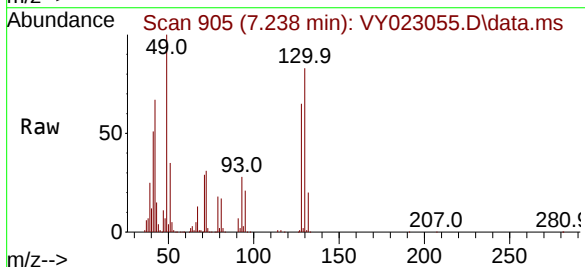
Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 49 Resp: 599841

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.9	66.4	99.6





#29

Tetrahydrofuran

Concen: 783.186 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

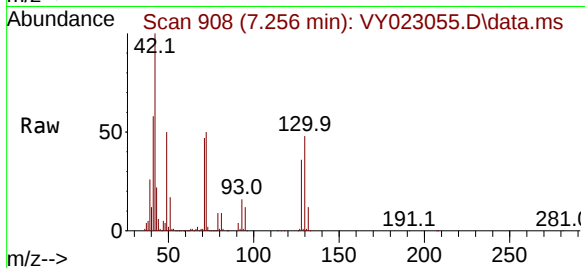
Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :



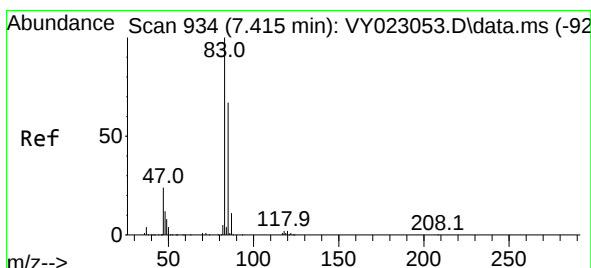
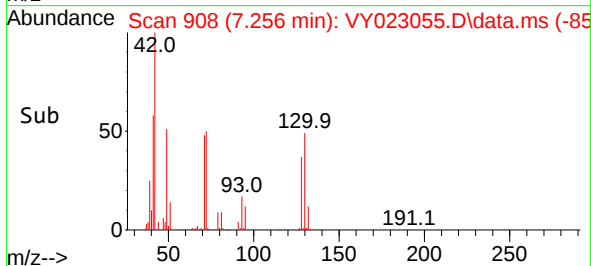
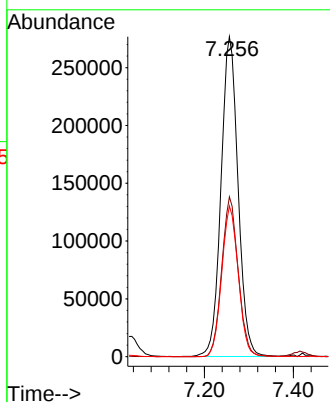
Tgt Ion: 42 Resp: 734408

Ion Ratio Lower Upper

42 100

72 48.3 39.4 59.2

71 45.8 36.5 54.7



#30

Chloroform

Concen: 151.505 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023055.D

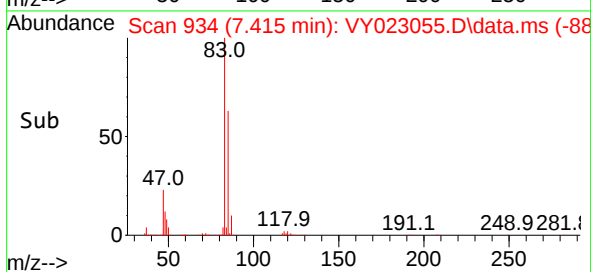
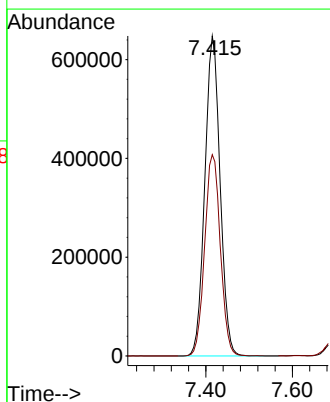
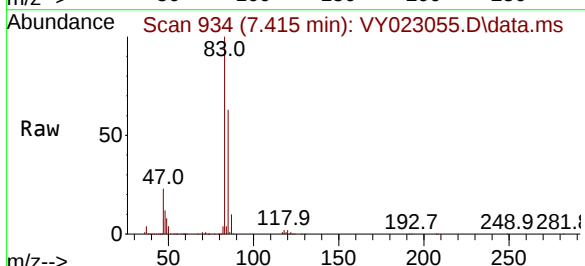
Acq: 12 Aug 2025 16:47

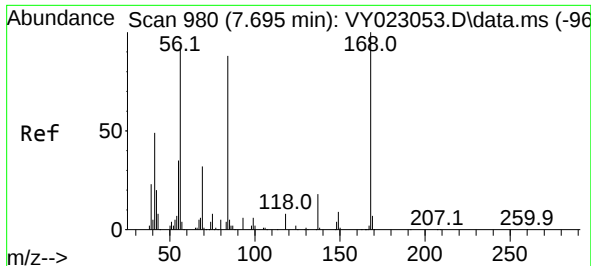
Tgt Ion: 83 Resp: 1585686

Ion Ratio Lower Upper

83 100

85 62.9 53.8 80.8

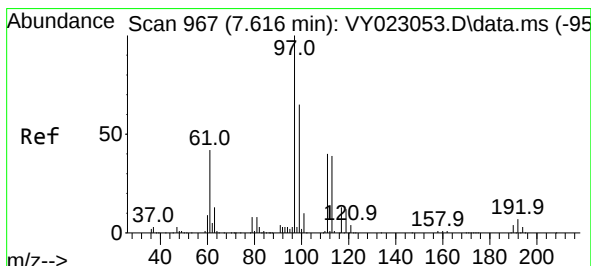
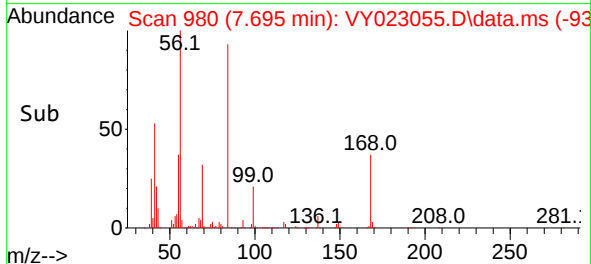
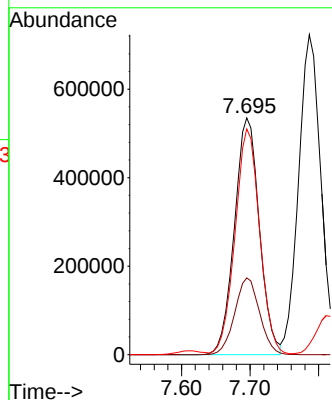
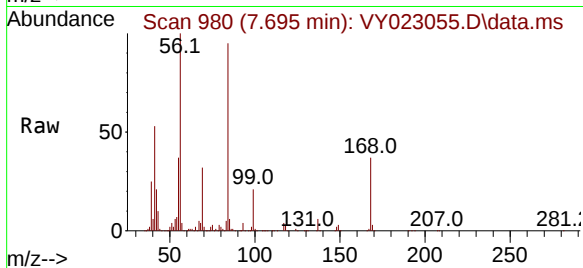




#31
Cyclohexane
Concen: 141.586 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

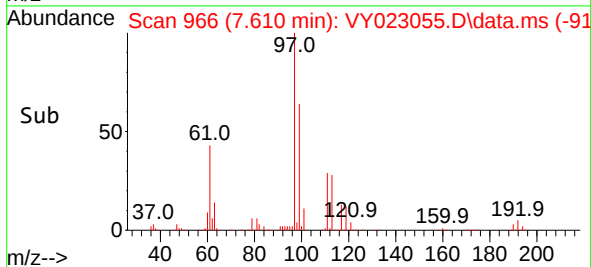
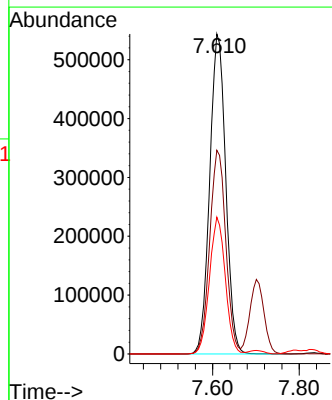
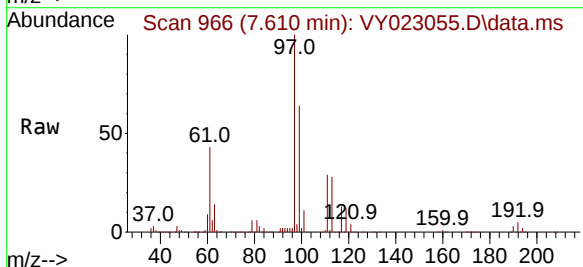
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 1354021
Ion Ratio Lower Upper
56 100
69 32.4 28.2 42.2
84 94.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 150.372 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 97 Resp: 1396470
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 42.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 145.480 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

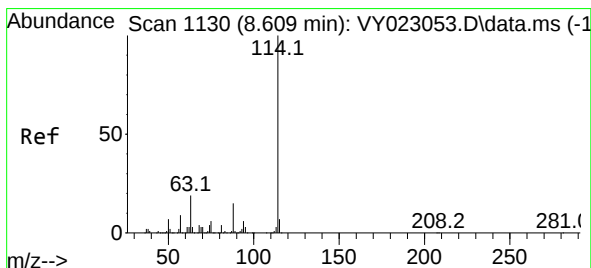
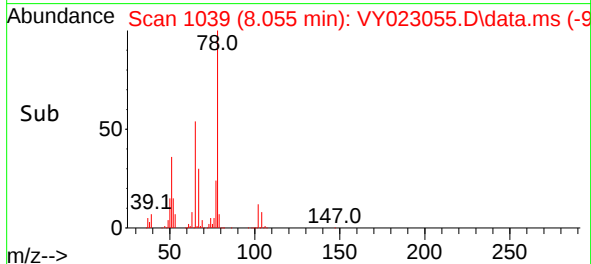
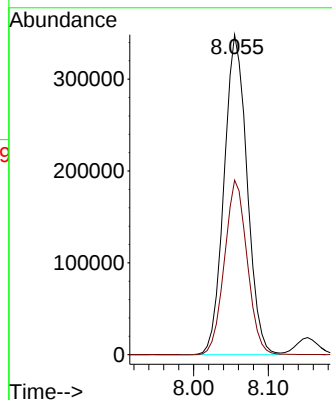
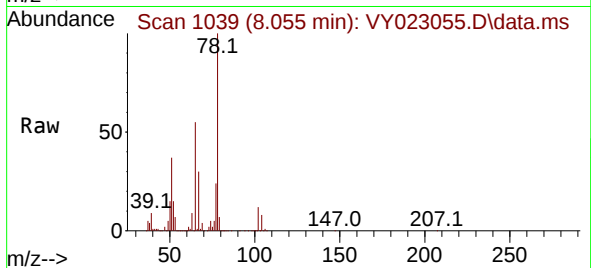
ClientSampleId :

Tgt Ion: 65 Resp: 746936

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

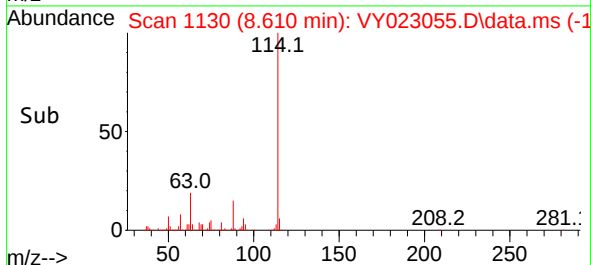
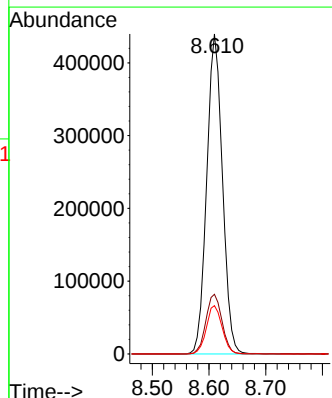
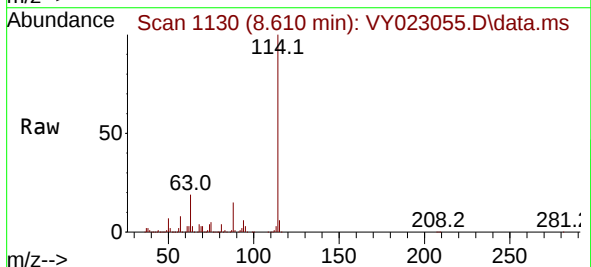
Tgt Ion: 114 Resp: 844092

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.1 0.0 30.0

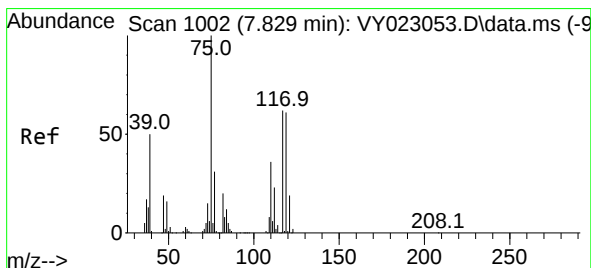
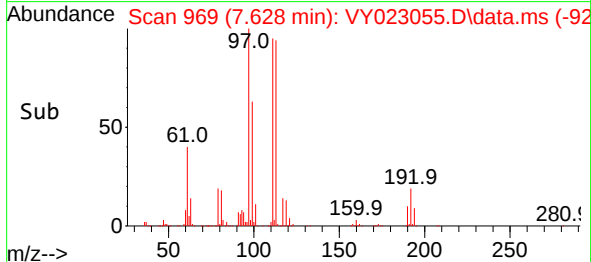
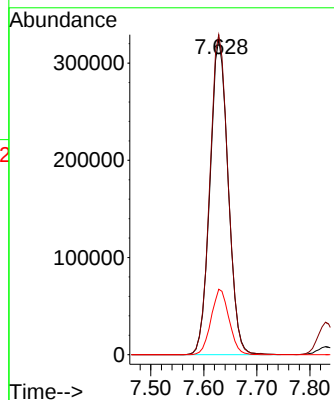
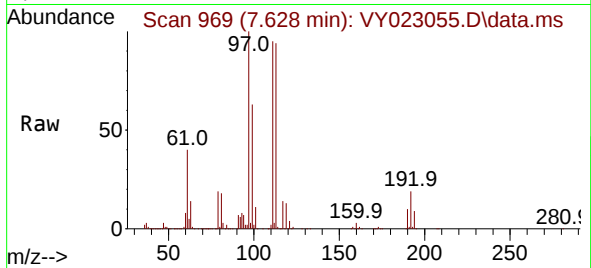




#35
Dibromofluoromethane
Concen: 152.837 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

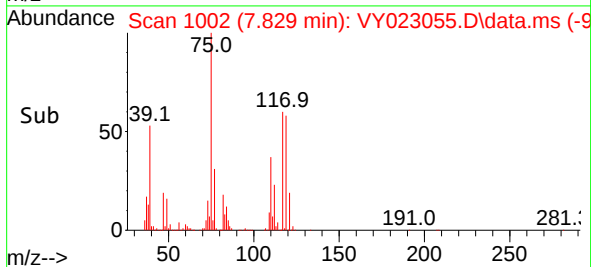
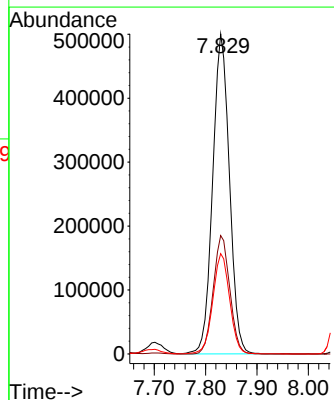
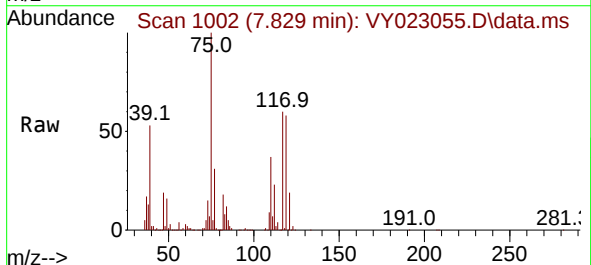
Instrument :
MSVOA_Y
ClientSampleId :

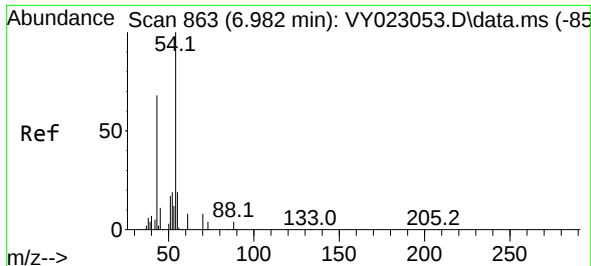
Tgt Ion:113 Resp: 771944
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 20.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 150.850 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1132306
Ion Ratio Lower Upper
75 100
110 36.5 18.1 54.4
77 31.5 24.6 37.0





#37

Ethyl Acetate

Concen: 156.788 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

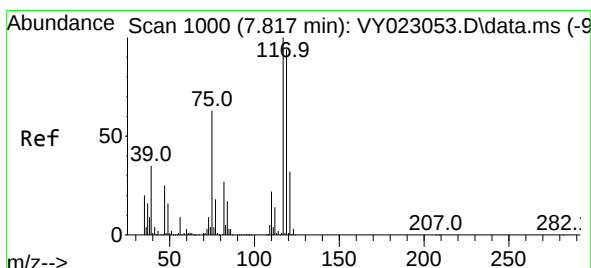
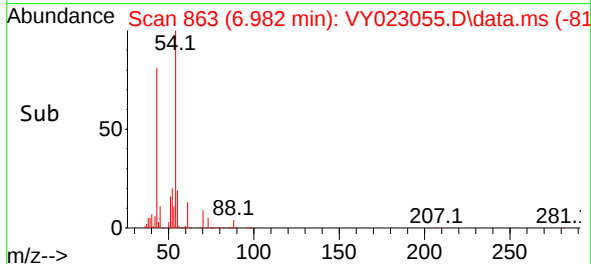
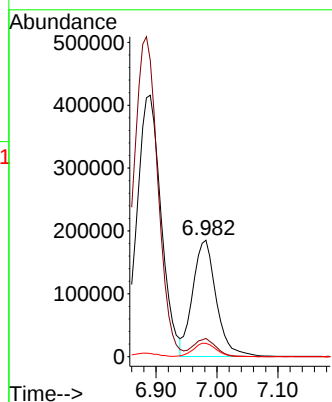
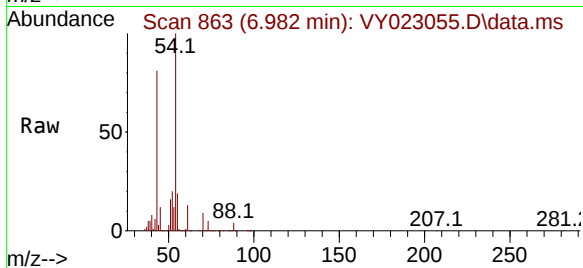
Tgt Ion: 43 Resp: 494371

Ion Ratio Lower Upper

43 100

61 15.1 11.9 17.9

70 11.4 8.8 13.2



#38

Carbon Tetrachloride

Concen: 150.478 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

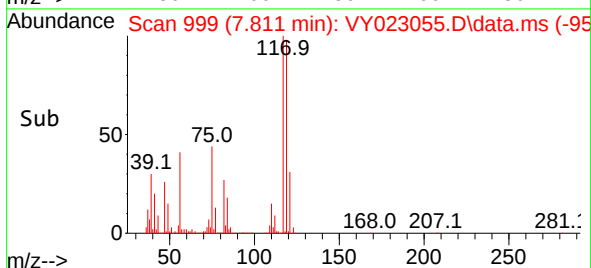
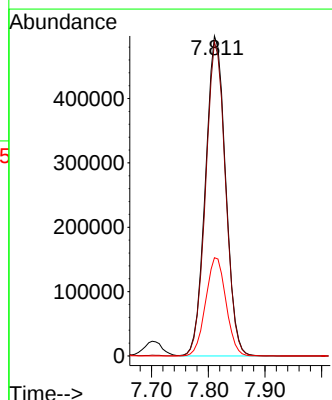
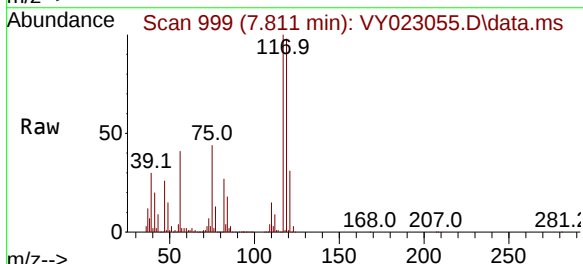
Tgt Ion: 117 Resp: 1226800

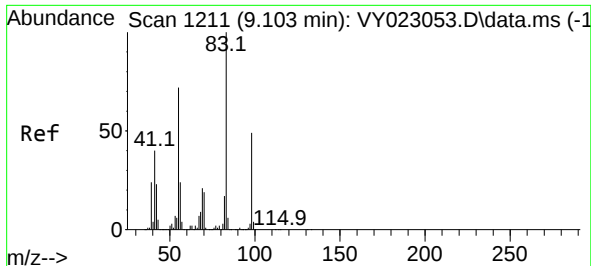
Ion Ratio Lower Upper

117 100

119 98.1 75.6 113.4

121 30.7 25.8 38.8





#39

Methylcyclohexane

Concen: 157.417 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

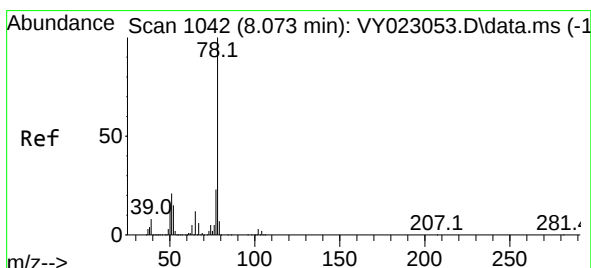
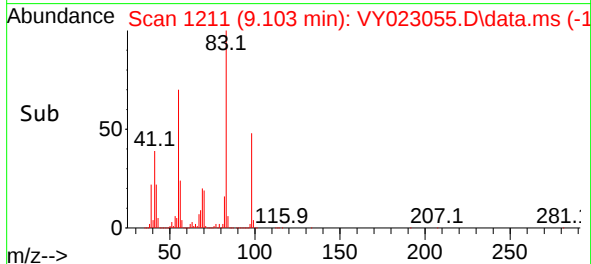
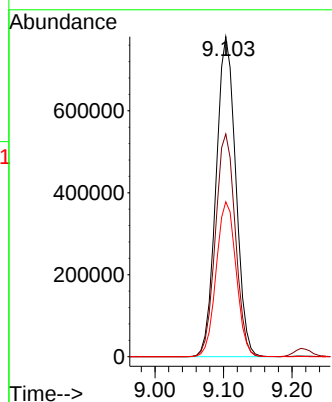
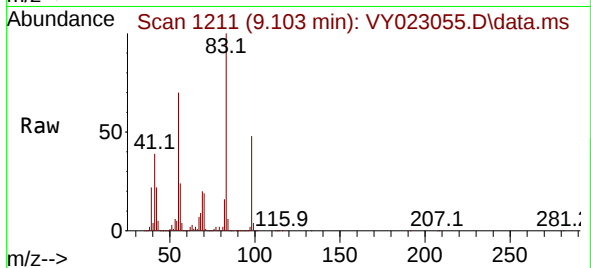
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 83 Resp: 1556004

Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.6	86.4
98	48.4	39.2	58.8



#40

Benzene

Concen: 152.720 ug/l

RT: 8.073 min Scan# 1042

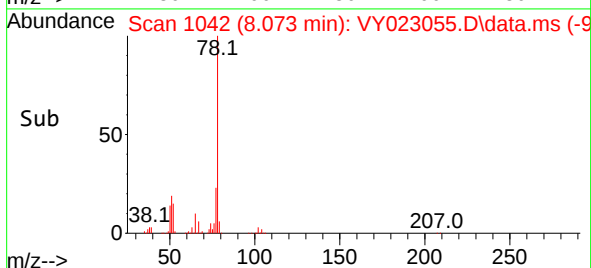
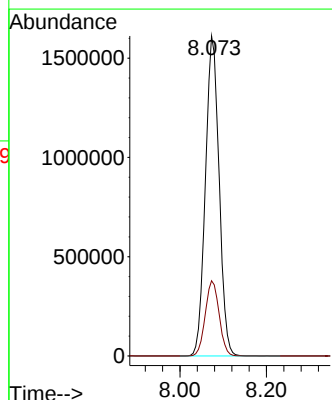
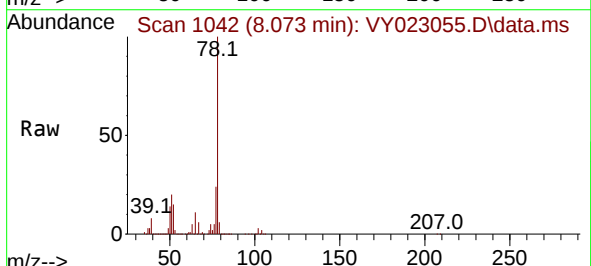
Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 78 Resp: 3533174

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0

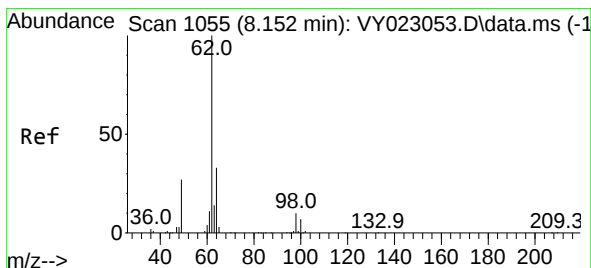
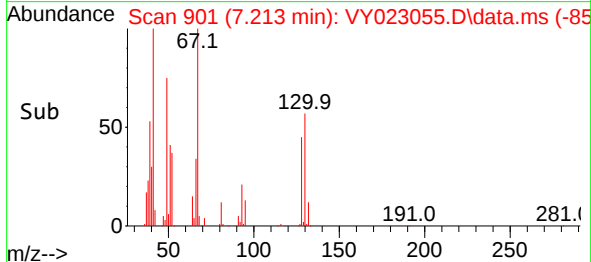
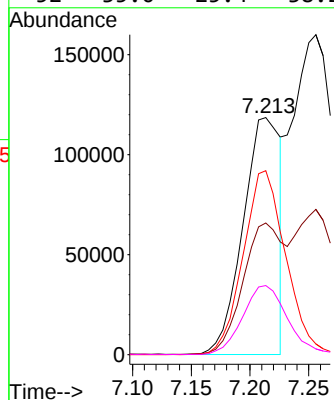
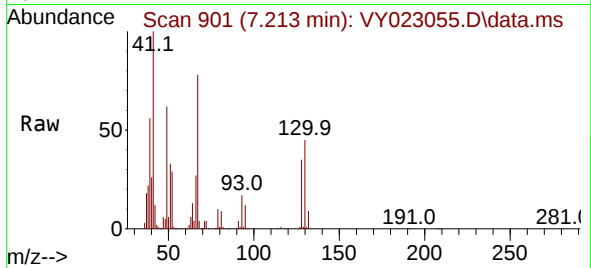




#41
Methacrylonitrile
Concen: 143.669 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

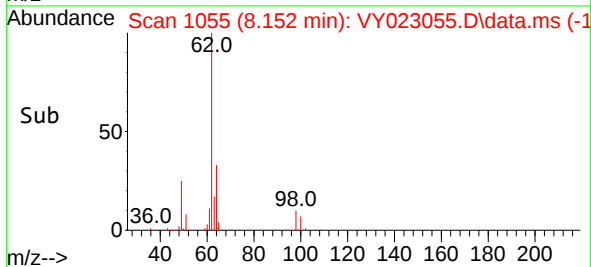
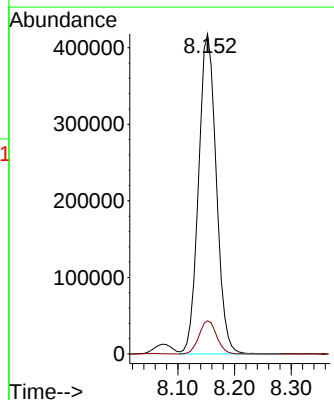
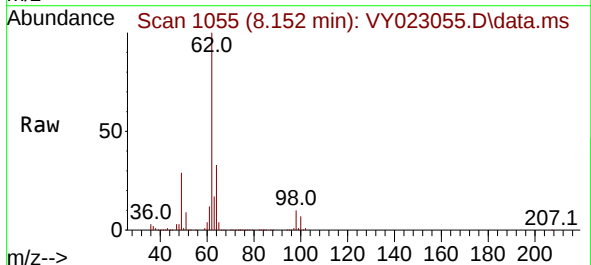
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 41 Resp: 261721
Ion Ratio Lower Upper
41 100
39 62.2 43.4 65.2
67 89.0 63.6 95.4
52 35.0 25.4 38.2



#42
1,2-Dichloroethane
Concen: 151.078 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 62 Resp: 909030
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.6

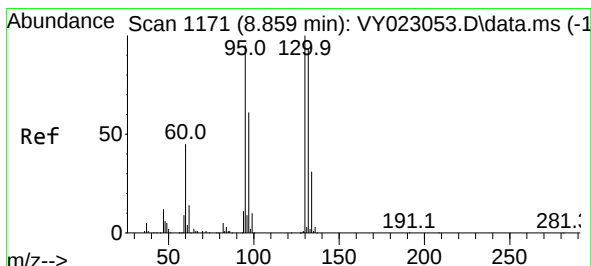
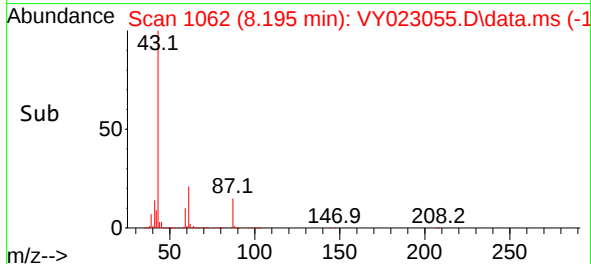
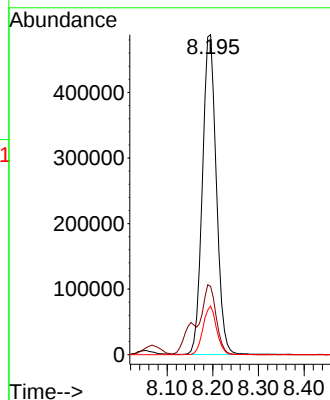
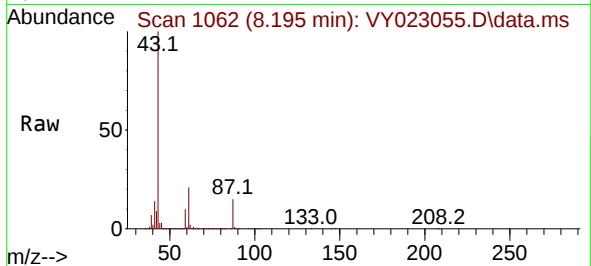




#43
Isopropyl Acetate
Concen: 161.596 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

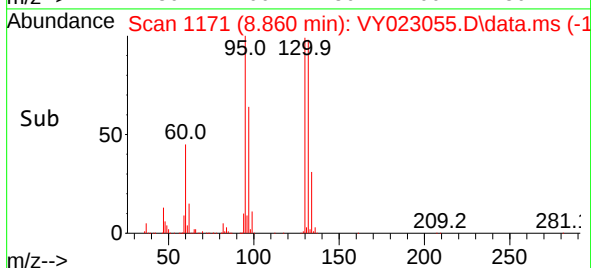
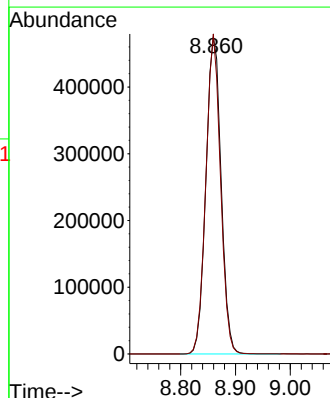
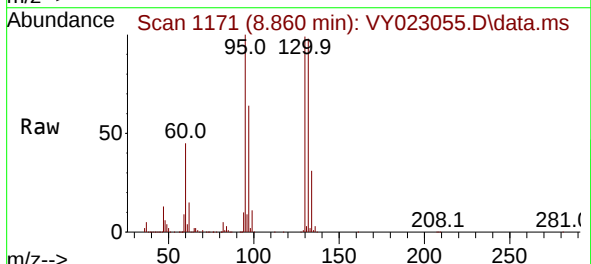
Instrument :
MSVOA_Y
ClientSampleId :

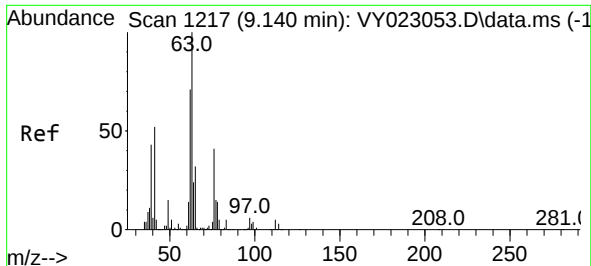
Tgt Ion: 43 Resp: 1029854
Ion Ratio Lower Upper
43 100
61 22.1 16.4 24.6
87 14.8 11.8 17.6



#44
Trichloroethene
Concen: 152.126 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:130 Resp: 909510
Ion Ratio Lower Upper
130 100
95 101.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 154.426 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

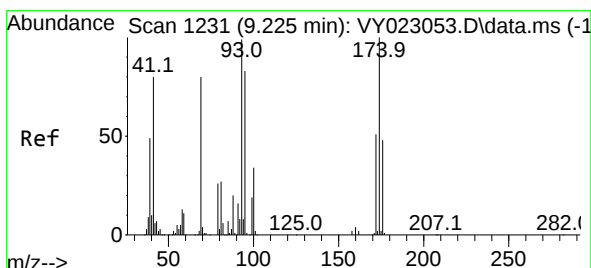
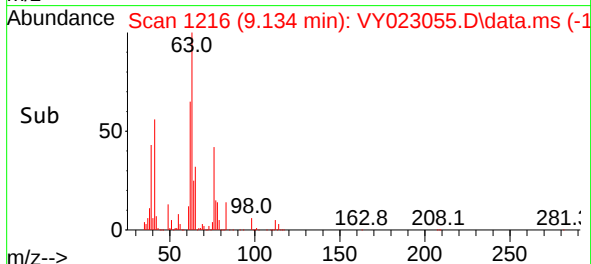
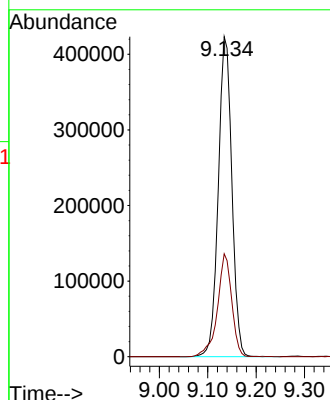
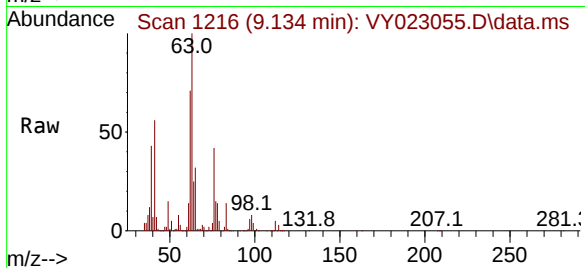
ClientSampleId :

Tgt Ion: 63 Resp: 822035

Ion Ratio Lower Upper

63 100

65 32.1 25.3 37.9



#46

Dibromomethane

Concen: 157.156 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

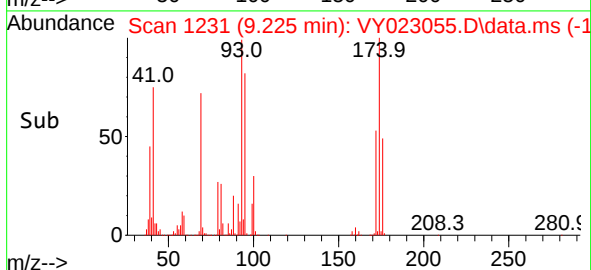
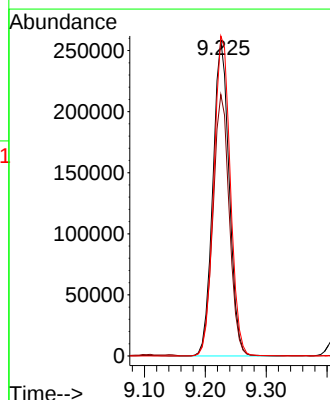
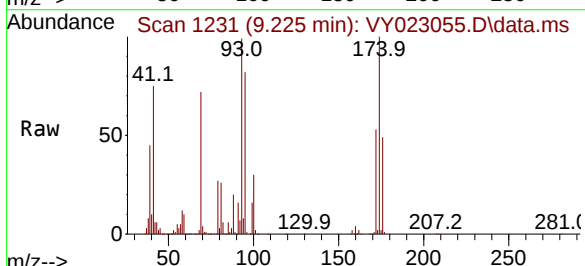
Tgt Ion: 93 Resp: 480162

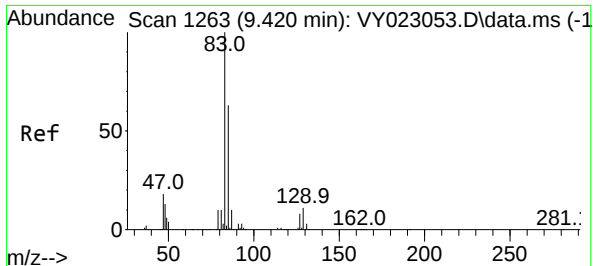
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 102.6 81.8 122.8

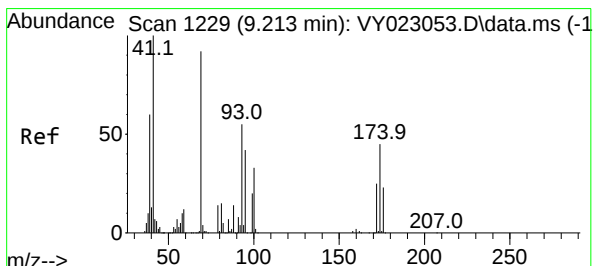
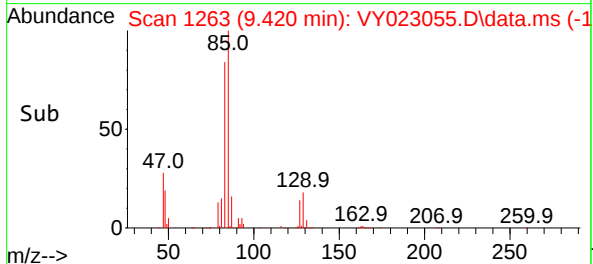
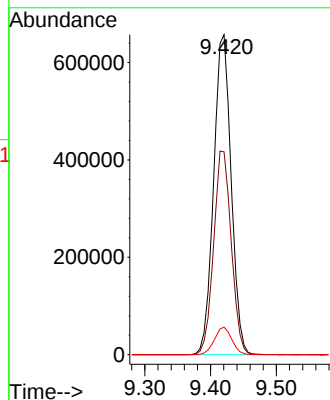
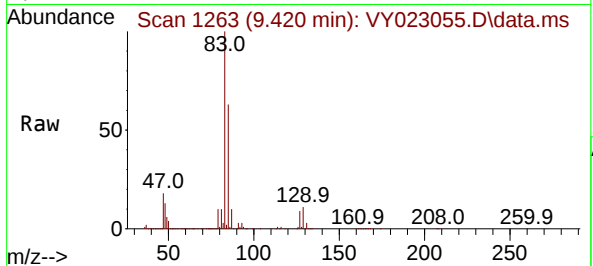




#47
Bromodichloromethane
Concen: 154.884 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

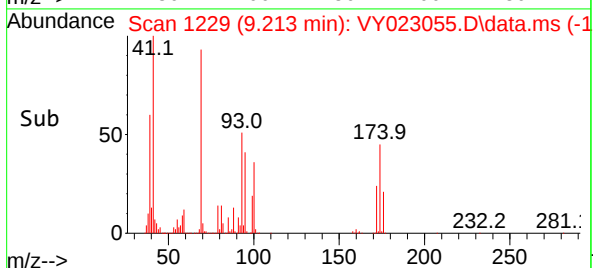
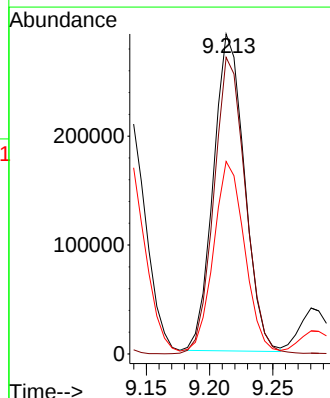
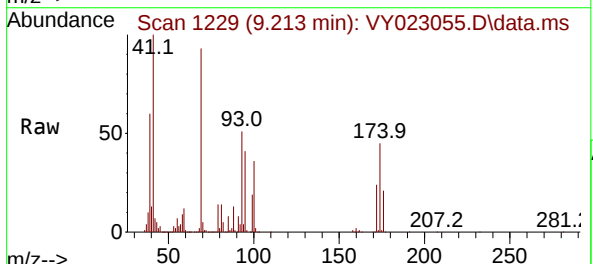
Instrument :
MSVOA_Y
ClientSampleId :

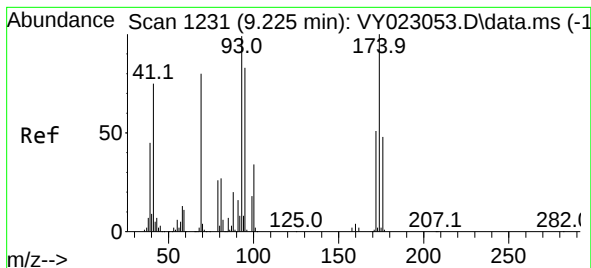
Tgt Ion: 83 Resp: 1217658
Ion Ratio Lower Upper
83 100
85 63.4 50.2 75.4
127 8.6 6.6 10.0



#48
Methyl methacrylate
Concen: 163.144 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 41 Resp: 497527
Ion Ratio Lower Upper
41 100
69 95.0 73.2 109.8
39 59.3 47.0 70.4





#49

1,4-Dioxane

Concen: 3280.235 ug/l

RT: 9.225 min Scan# 117513

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

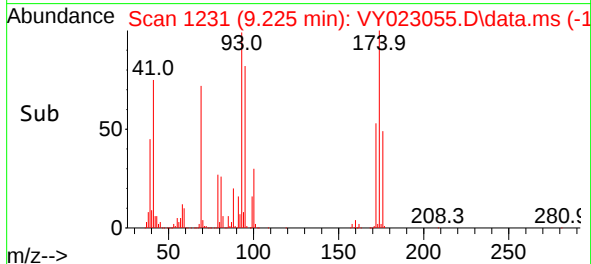
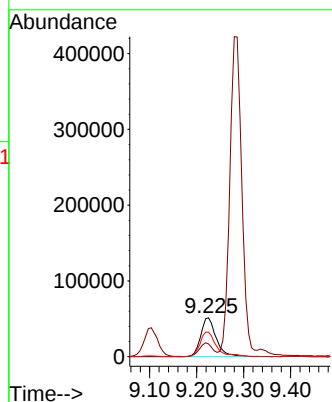
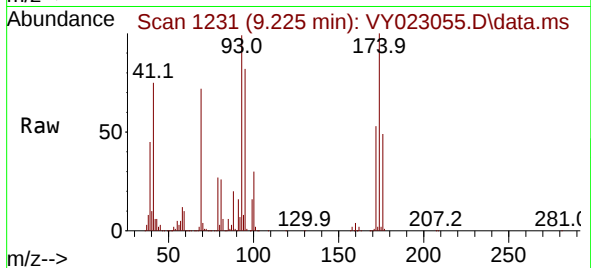
Tgt Ion: 88 Resp: 117513

Ion Ratio Lower Upper

88 100

43 30.0 24.3 36.5

58 67.5 55.4 83.0



#50

Toluene-d8

Concen: 152.237 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023055.D

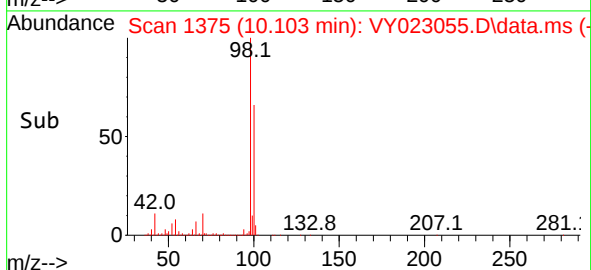
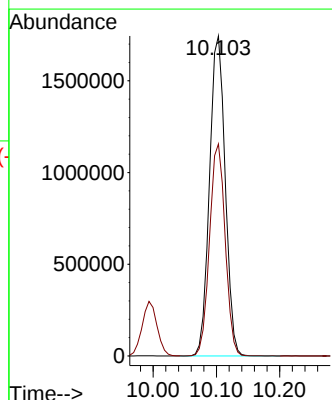
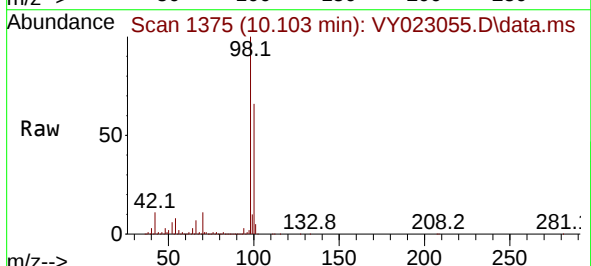
Acq: 12 Aug 2025 16:47

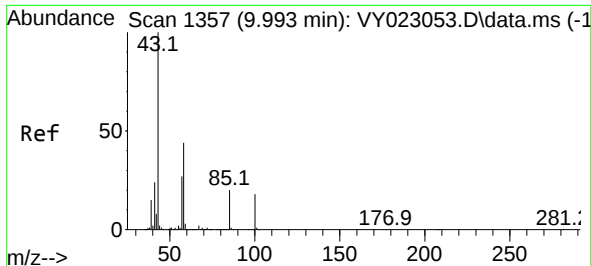
Tgt Ion: 98 Resp: 3003834

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5

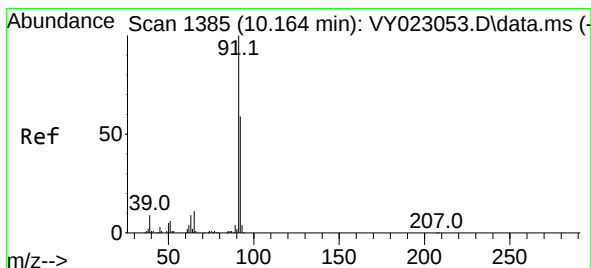
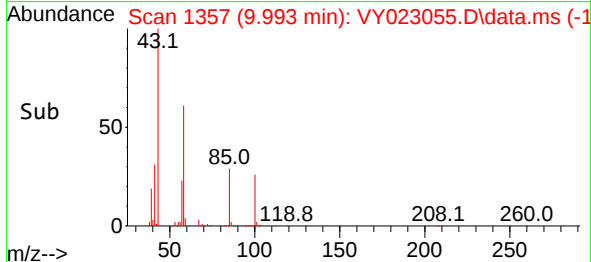
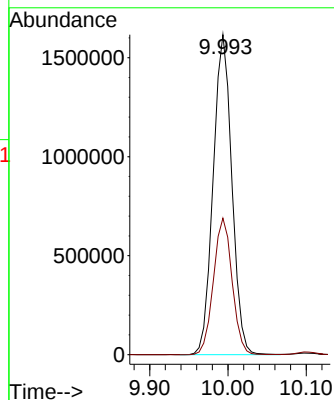
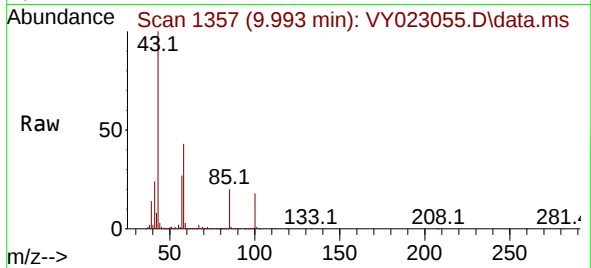




#51
4-Methyl-2-Pentanone
Concen: 814.509 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

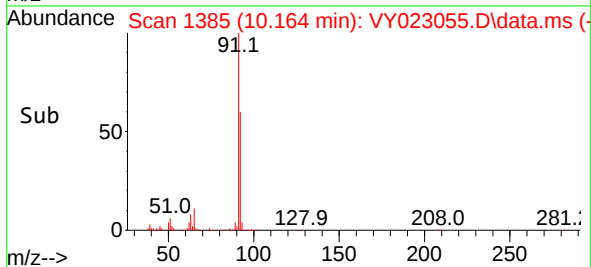
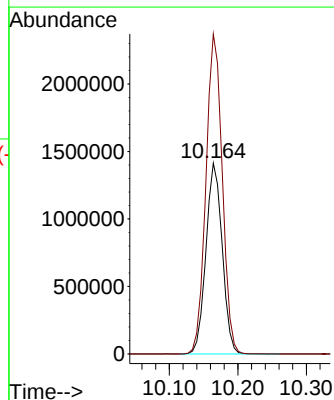
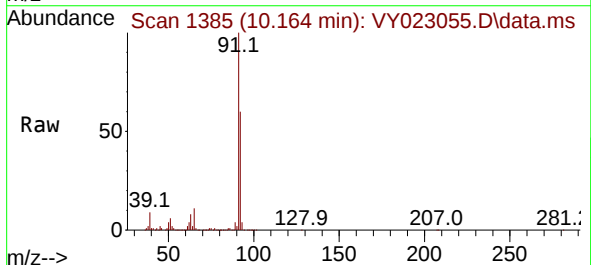
Instrument :
MSVOA_Y
ClientSampleId :

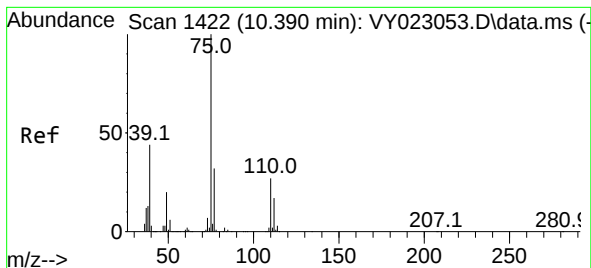
Tgt Ion: 43 Resp: 2677587
Ion Ratio Lower Upper
43 100
58 42.6 33.5 50.3



#52
Toluene
Concen: 158.762 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 92 Resp: 2332797
Ion Ratio Lower Upper
92 100
91 168.8 136.4 204.6

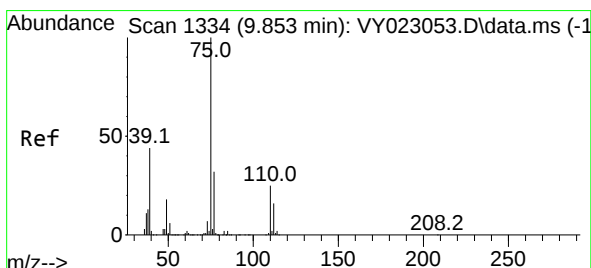
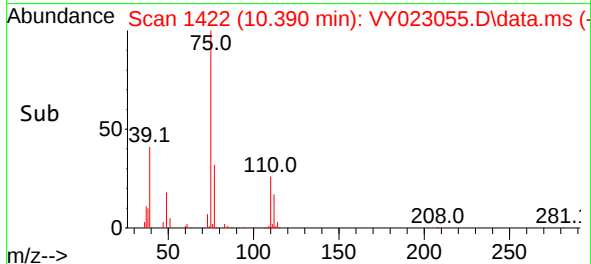
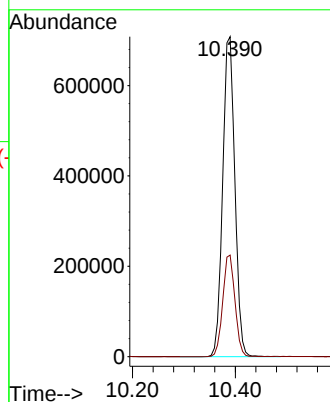
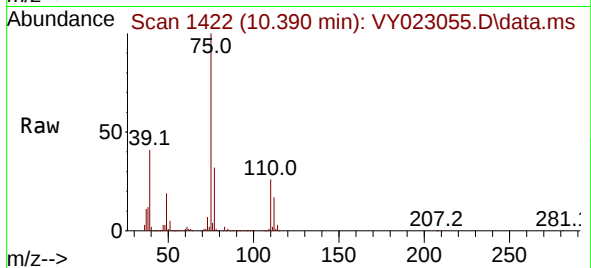




#53
 t-1,3-Dichloropropene
 Concen: 163.355 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

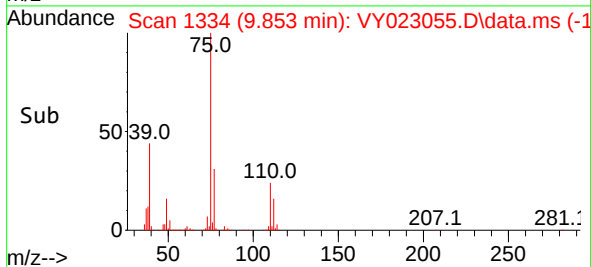
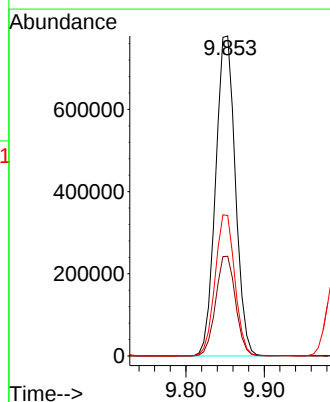
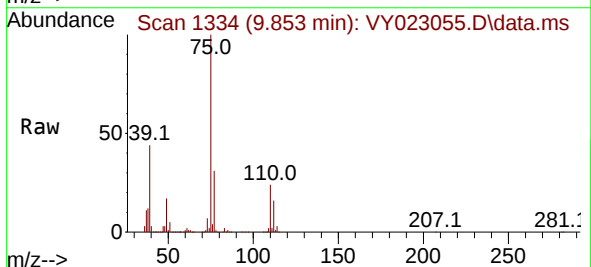
Instrument :
 MSVOA_Y
 ClientSampleId :

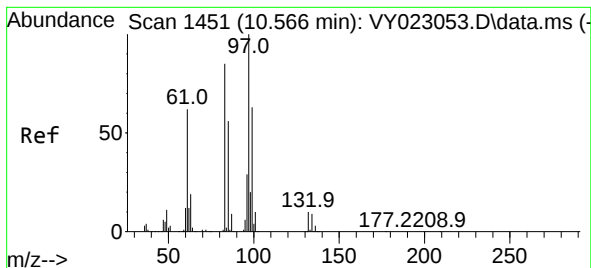
Tgt Ion: 75 Resp: 1162952
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 162.359 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 1366797
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0
 39 43.9 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 157.090 ug/l

RT: 10.567 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 642236

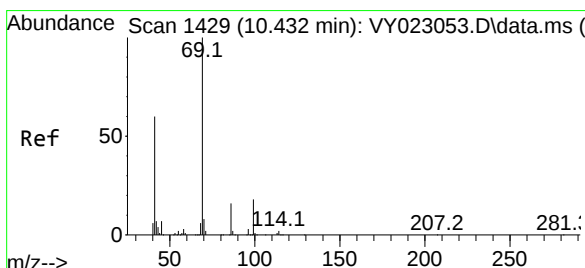
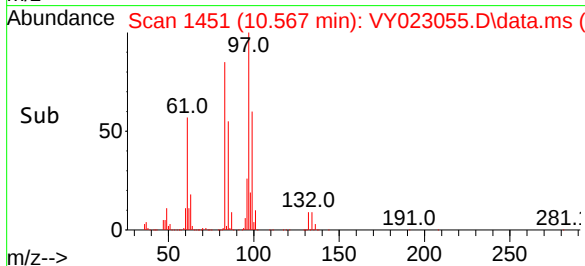
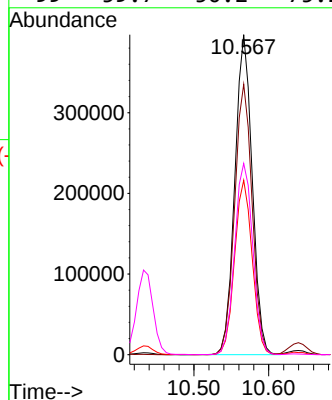
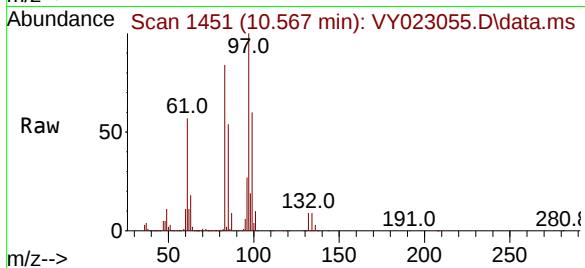
Ion Ratio Lower Upper

97 100

83 84.5 67.7 101.5

85 54.5 44.5 66.7

99 59.7 50.2 75.2



#56

Ethyl methacrylate

Concen: 173.693 ug/l

RT: 10.432 min Scan# 1429

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

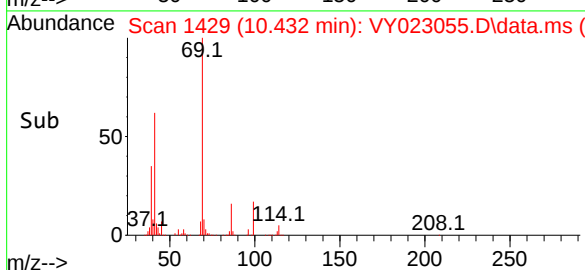
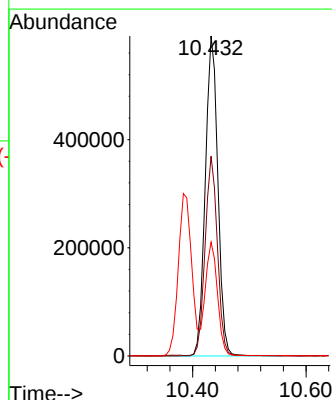
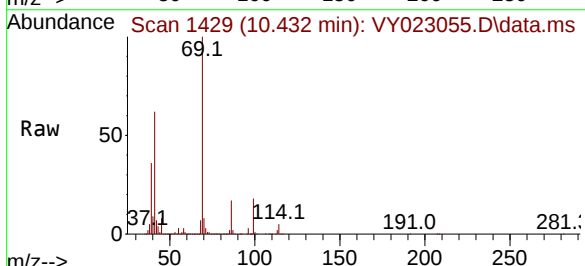
Tgt Ion: 69 Resp: 908662

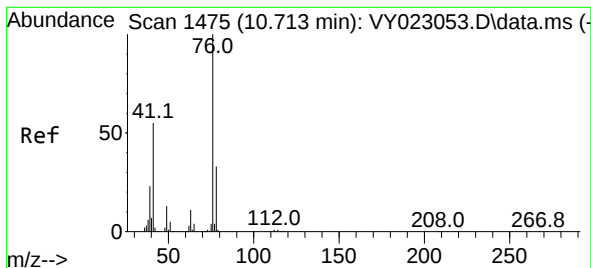
Ion Ratio Lower Upper

69 100

41 60.9 48.6 72.8

39 33.4 27.0 40.4





#57

1,3-Dichloropropane

Concen: 156.818 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

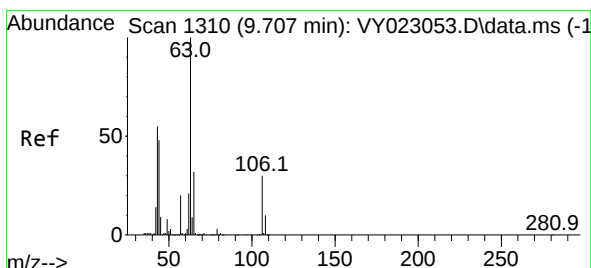
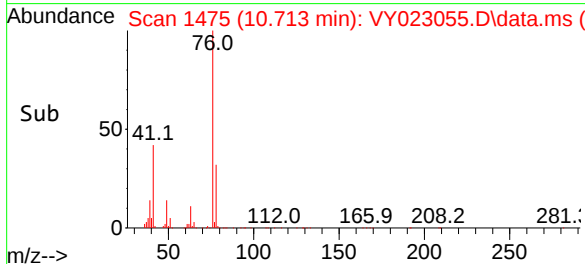
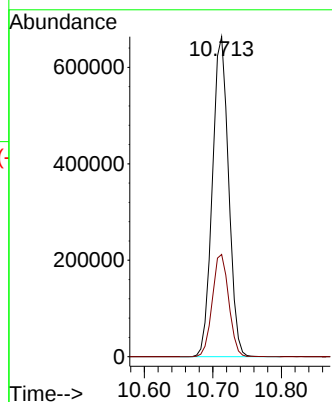
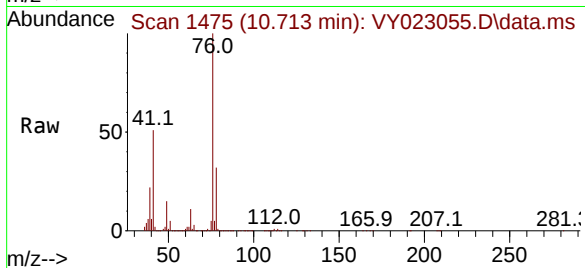
ClientSampleId :

Tgt Ion: 76 Resp: 1087297

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 878.488 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023055.D

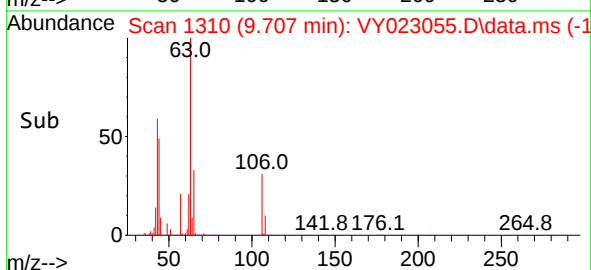
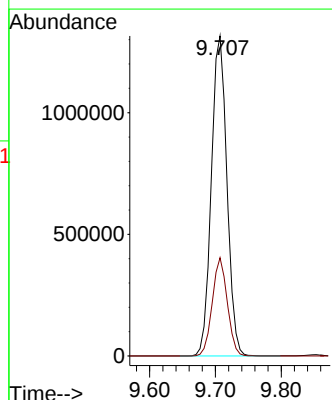
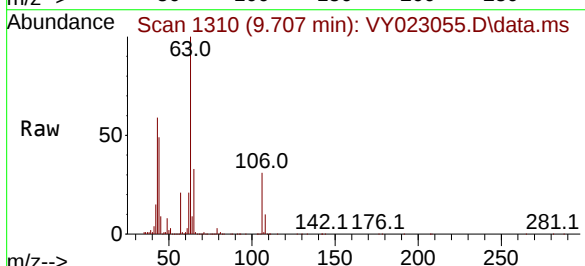
Acq: 12 Aug 2025 16:47

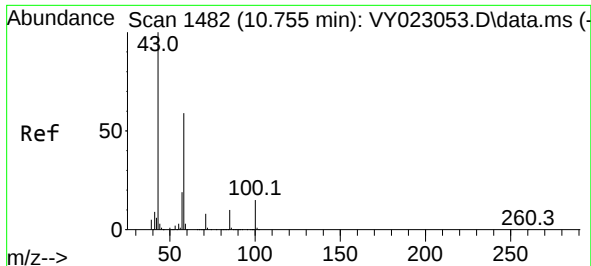
Tgt Ion: 63 Resp: 2167815

Ion Ratio Lower Upper

63 100

106 29.6 23.2 34.8

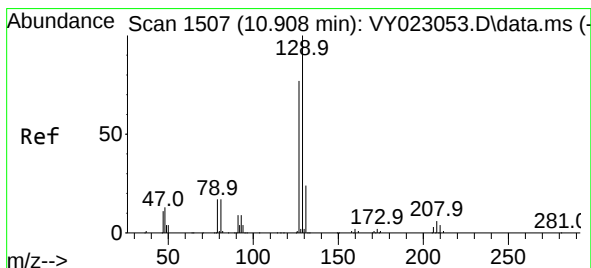
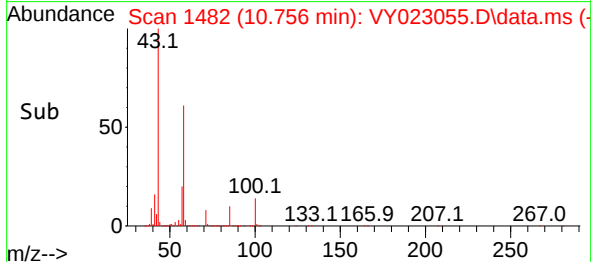
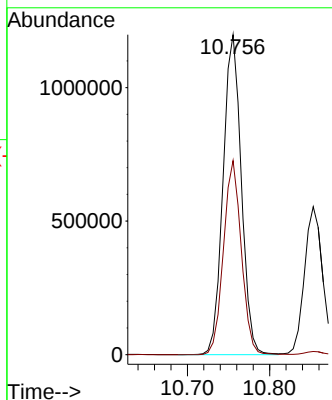
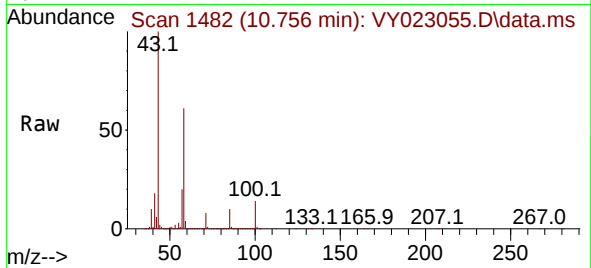




#59
2-Hexanone
Concen: 825.606 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

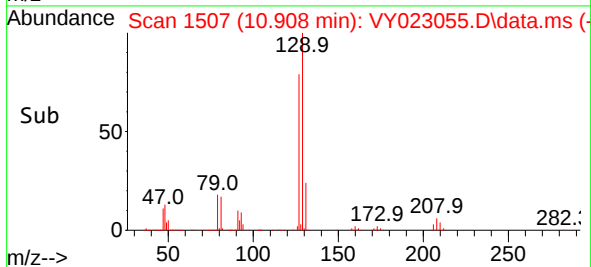
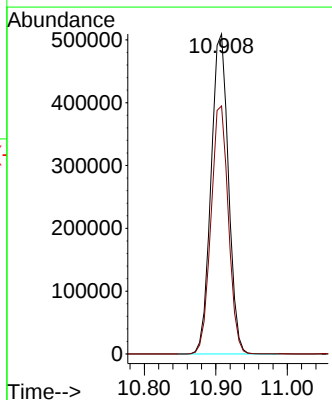
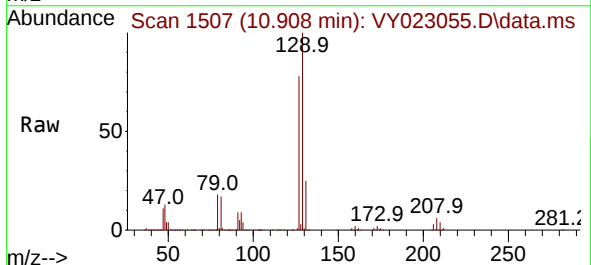
Instrument :
MSVOA_Y
ClientSampleId :

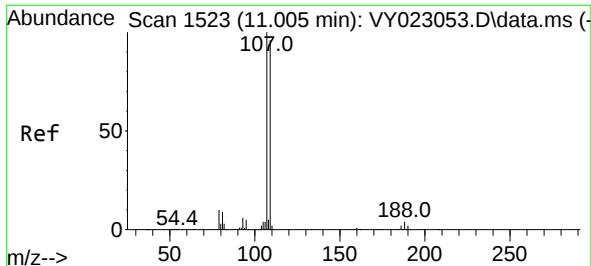
Tgt Ion: 43 Resp: 1848093
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5



#60
Dibromochloromethane
Concen: 159.454 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 129 Resp: 860181
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

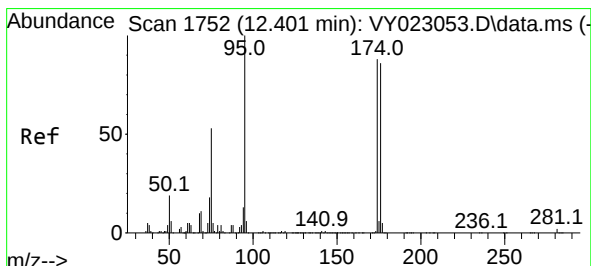
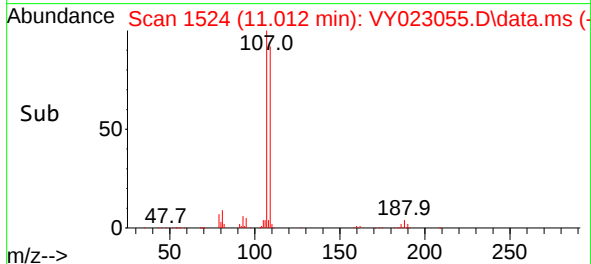
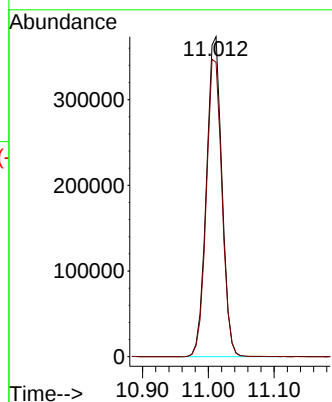
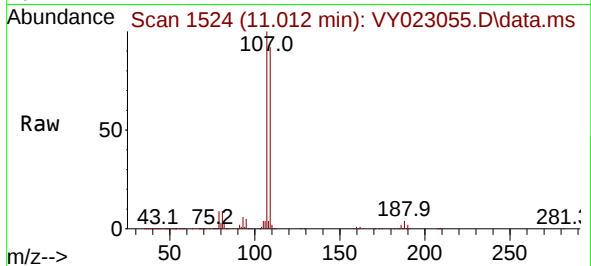




#61
1,2-Dibromoethane
Concen: 159.546 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

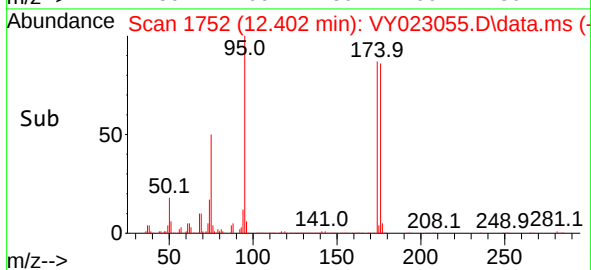
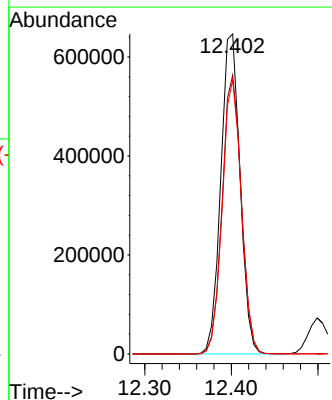
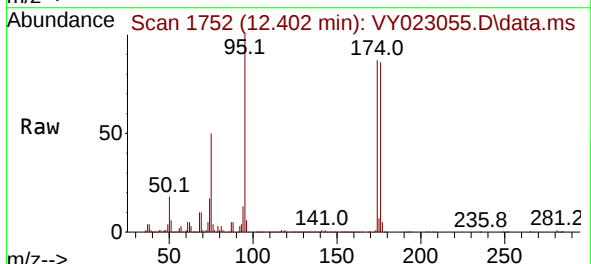
Instrument :
MSVOA_Y
ClientSampleId :

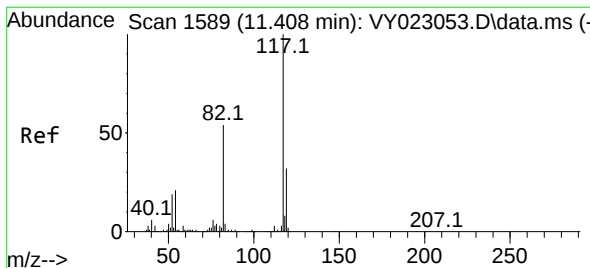
Tgt Ion:107 Resp: 613069
Ion Ratio Lower Upper
107 100
109 93.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 157.326 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 95 Resp: 998318
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.408 min Scan# 1589

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

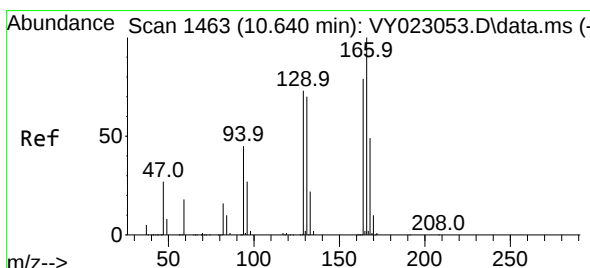
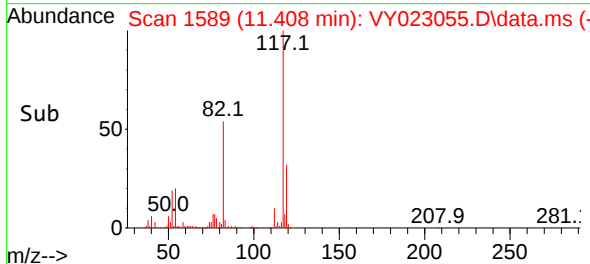
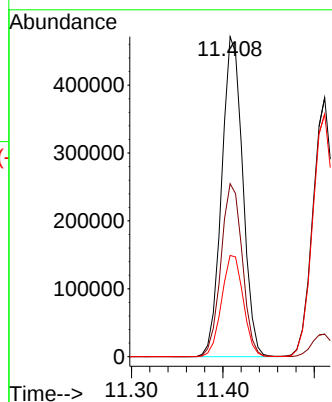
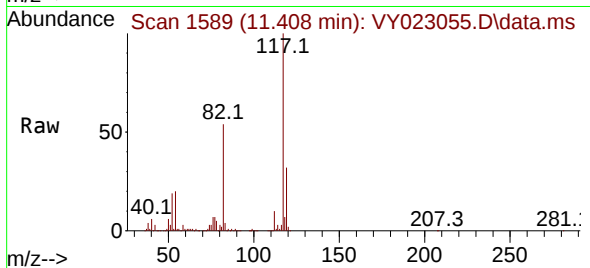
Tgt Ion:117 Resp: 756365

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 31.7 25.6 38.4



#64

Tetrachloroethene

Concen: 146.682 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion:164 Resp: 990664

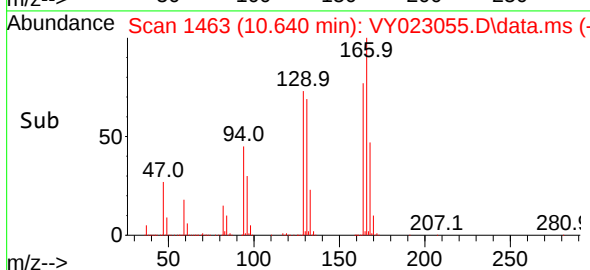
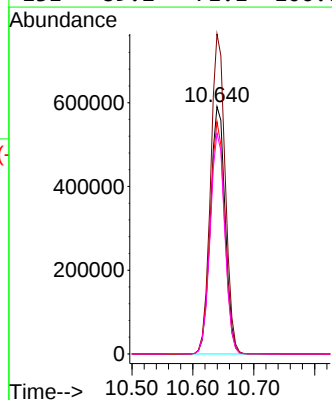
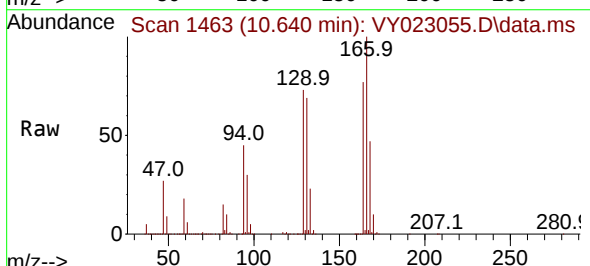
Ion Ratio Lower Upper

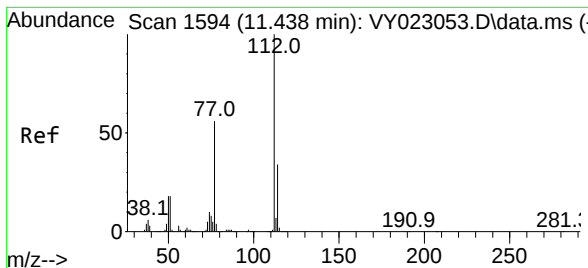
164 100

166 129.4 101.1 151.7

129 93.9 74.0 111.0

131 89.2 71.1 106.7





#65

Chlorobenzene

Concen: 154.514 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

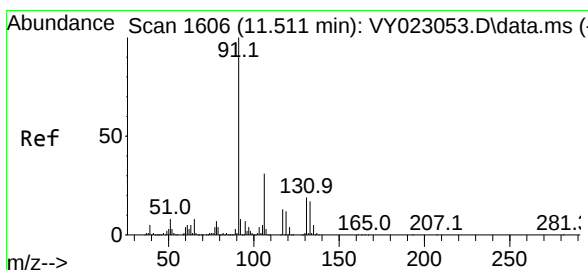
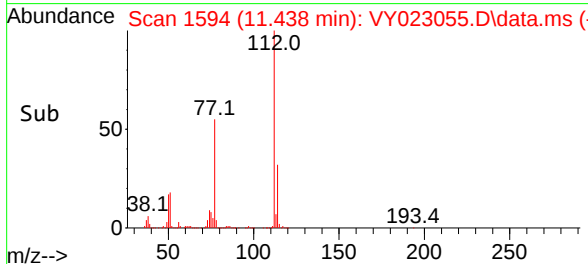
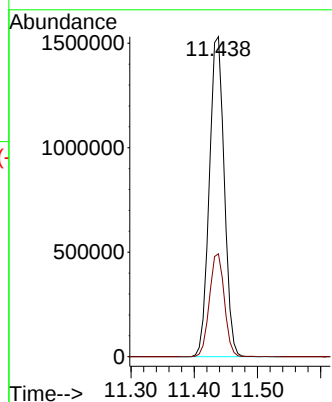
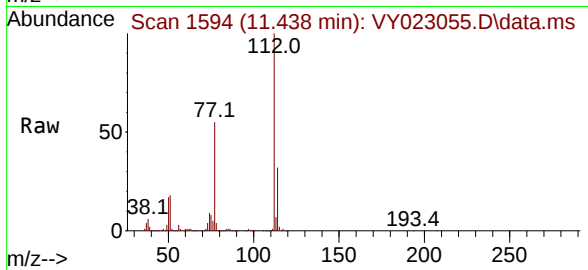
ClientSampleId :

Tgt Ion:112 Resp: 2520874

Ion Ratio Lower Upper

112 100

114 32.2 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 157.304 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

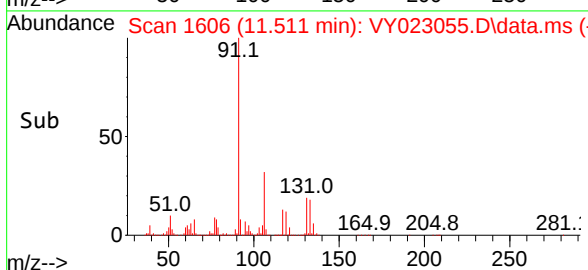
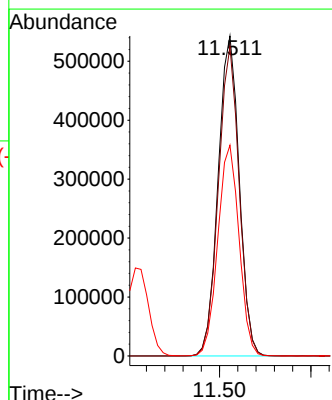
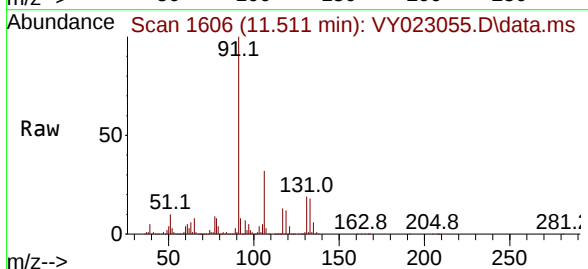
Tgt Ion:131 Resp: 871003

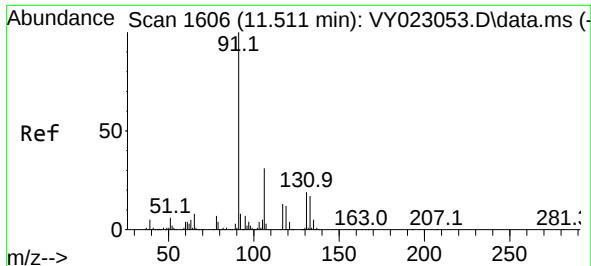
Ion Ratio Lower Upper

131 100

133 95.1 46.9 140.6

119 66.5 33.2 99.6





#67

Ethyl Benzene

Concen: 158.093 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

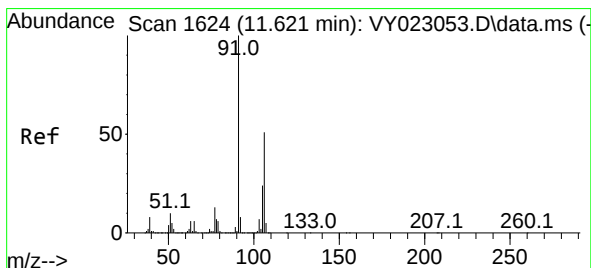
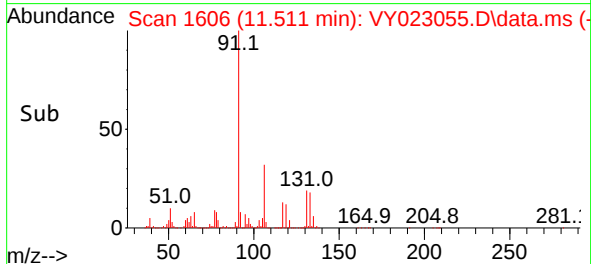
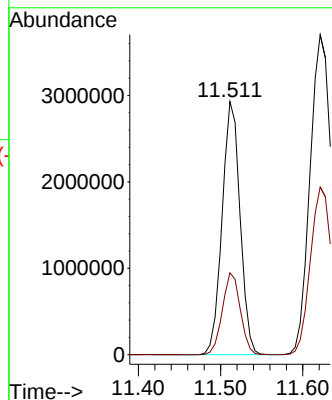
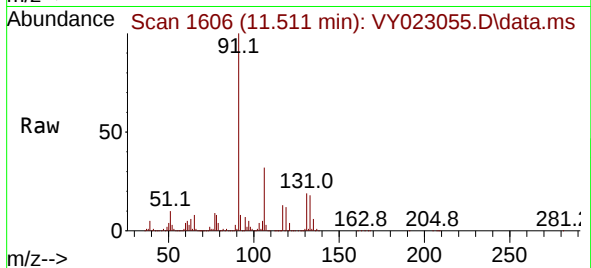
ClientSampleId :

Tgt Ion: 91 Resp: 4438665

Ion Ratio Lower Upper

91 100

106 32.4 25.0 37.4



#68

m/p-Xylenes

Concen: 320.251 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023055.D

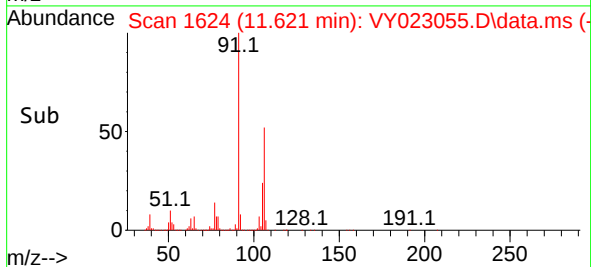
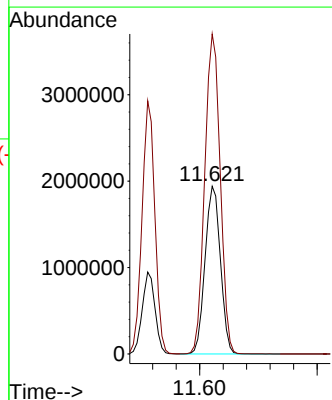
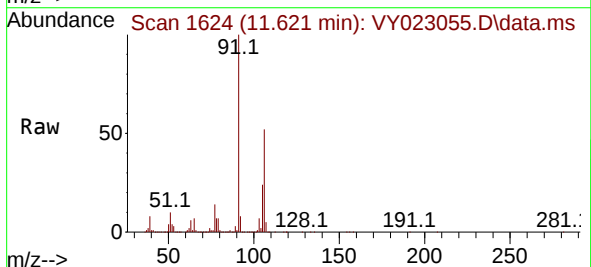
Acq: 12 Aug 2025 16:47

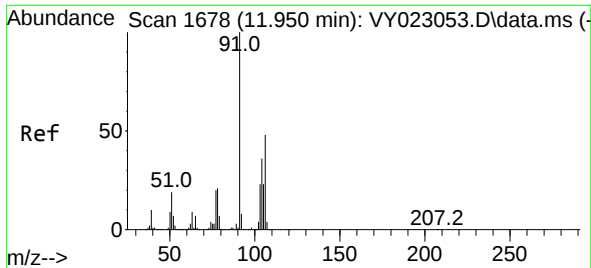
Tgt Ion:106 Resp: 3511726

Ion Ratio Lower Upper

106 100

91 192.1 158.6 238.0

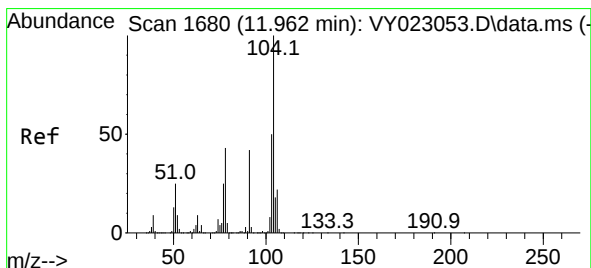
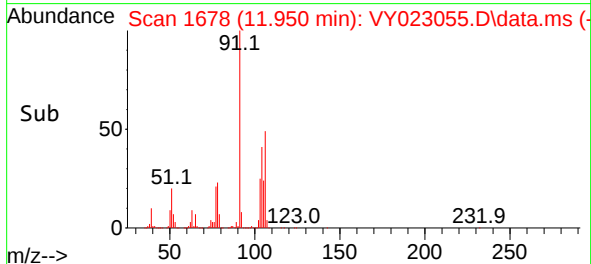
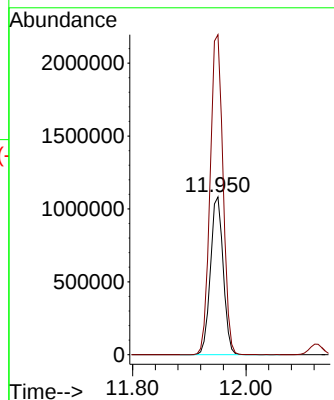
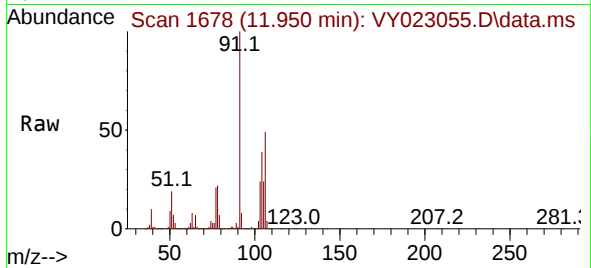




#69
o-Xylene
Concen: 163.941 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

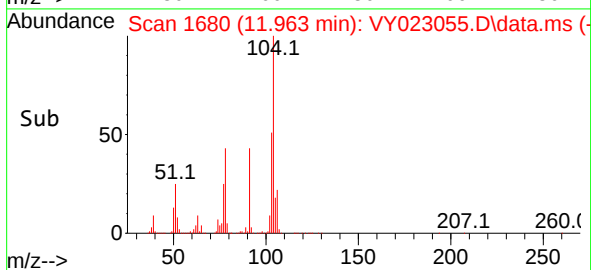
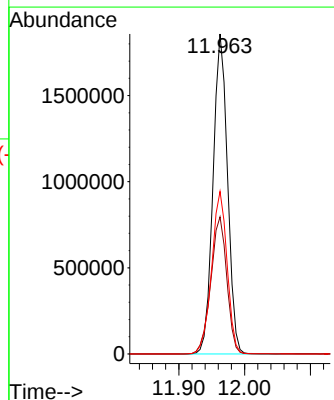
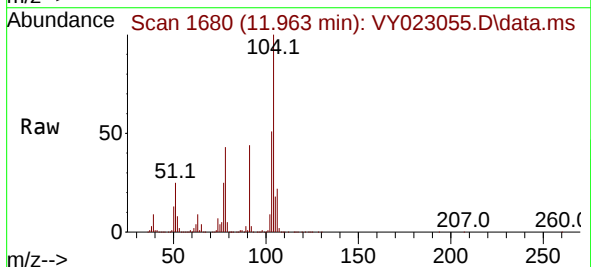
Instrument :
MSVOA_Y
ClientSampleId :

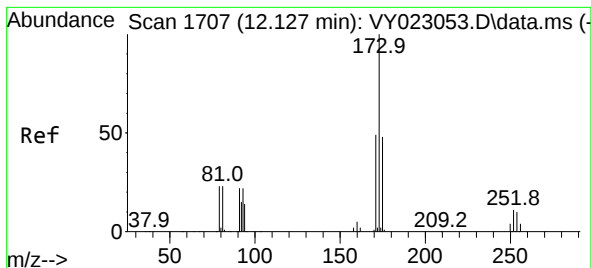
Tgt Ion:106 Resp: 1683720
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4



#70
Styrene
Concen: 169.475 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion:104 Resp: 2846443
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.3 43.7 65.5





#71

Bromoform

Concen: 161.778 ug/l

RT: 12.127 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

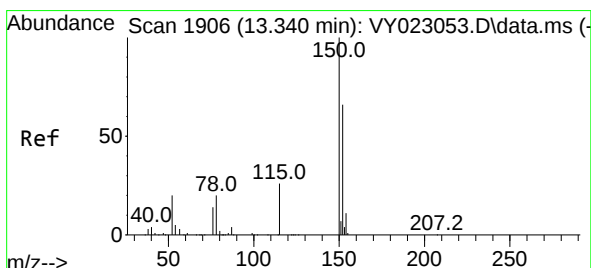
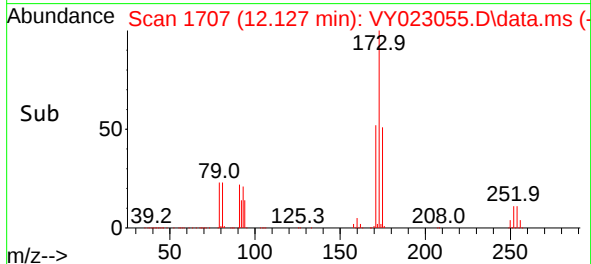
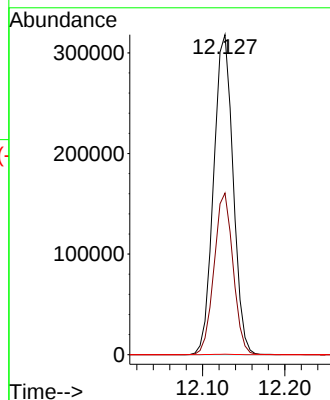
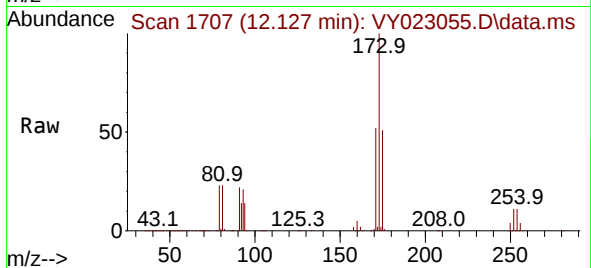
Tgt Ion:173 Resp: 523541

Ion Ratio Lower Upper

173 100

175 49.3 23.9 71.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

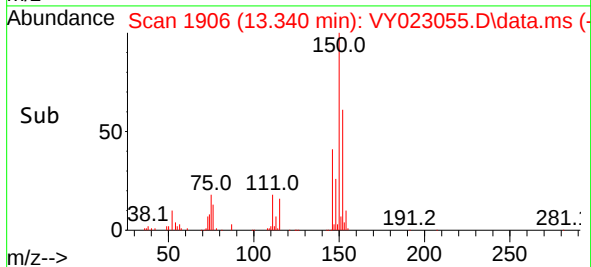
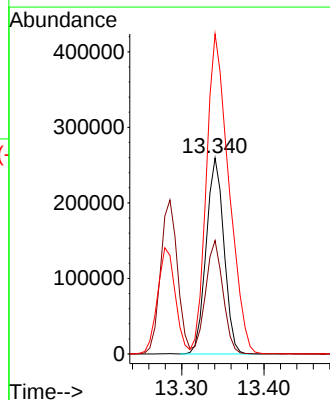
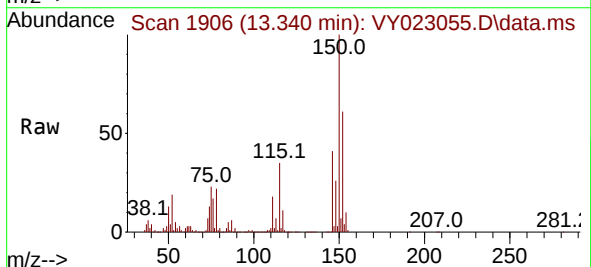
Tgt Ion:152 Resp: 389949

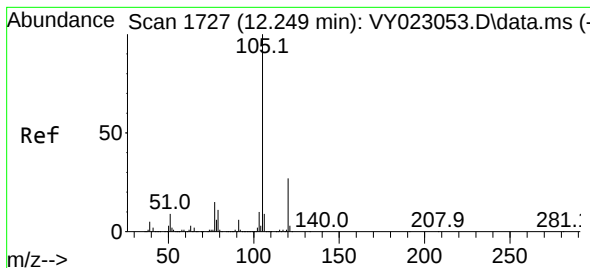
Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 205.8 0.0 348.0





#73

Isopropylbenzene

Concen: 155.145 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

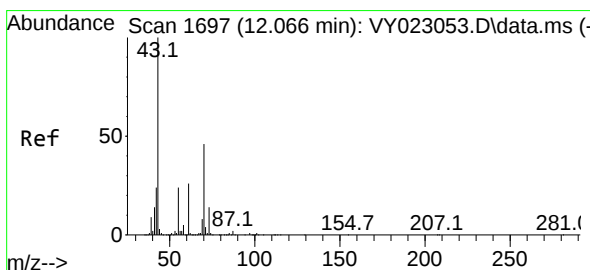
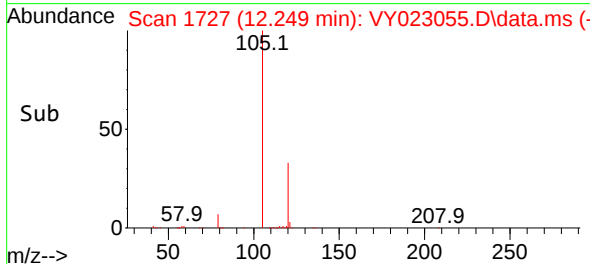
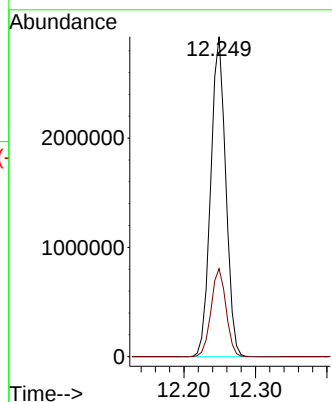
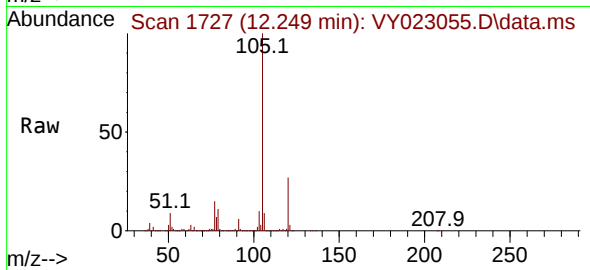
ClientSampleId :

Tgt Ion:105 Resp: 4269945

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.2



#74

N-ethyl acetate

Concen: 168.265 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 43 Resp: 982090

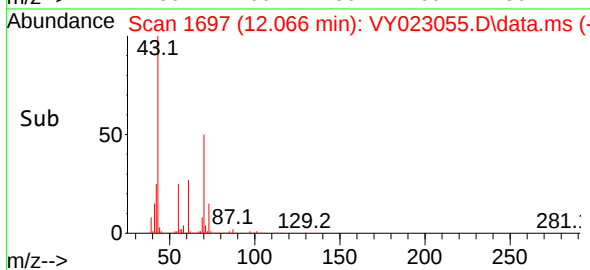
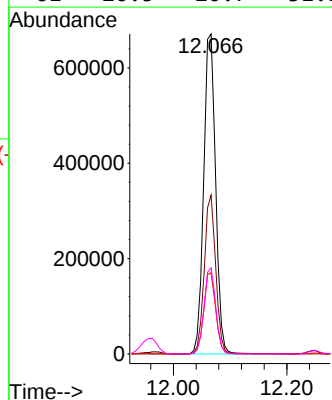
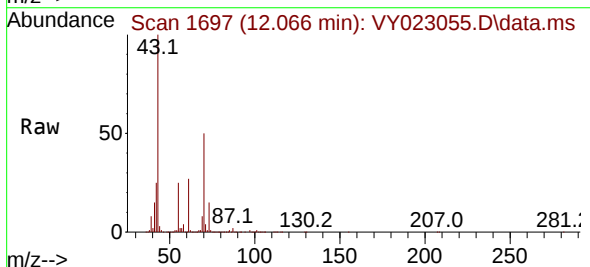
Ion Ratio Lower Upper

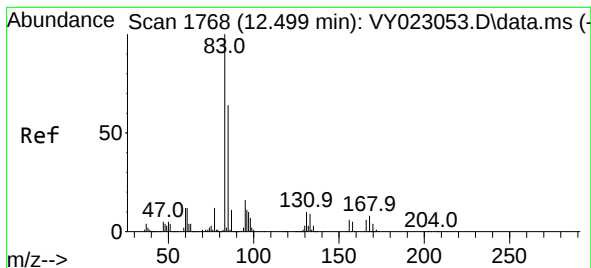
43 100

70 47.8 37.5 56.3

55 25.3 20.7 31.1

61 26.5 20.7 31.1





#75

1,1,2-Tetrachloroethane

Concen: 152.686 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

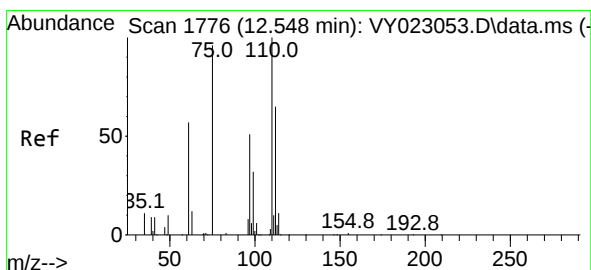
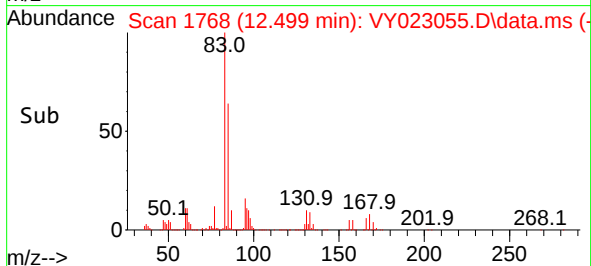
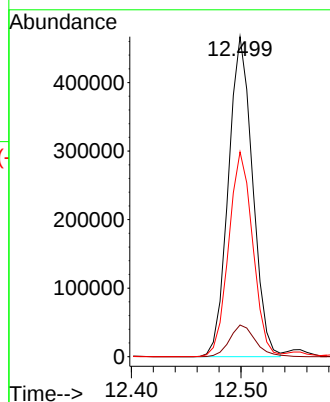
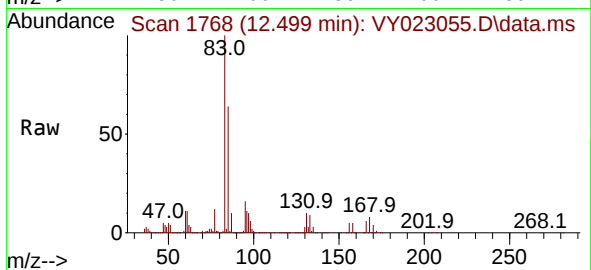
Tgt Ion: 83 Resp: 717524

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

85 63.7 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 252.416 ug/l

RT: 12.548 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VY023055.D

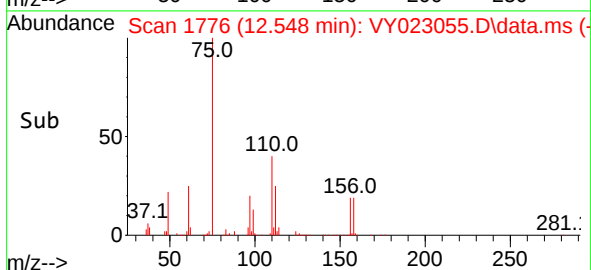
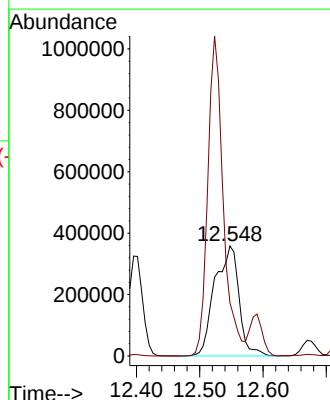
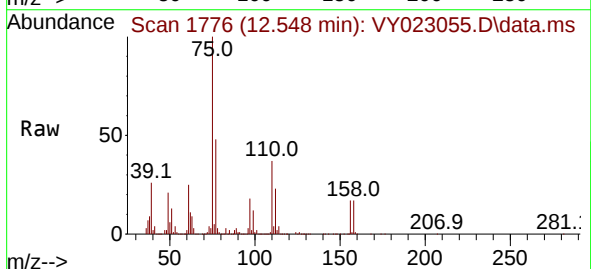
Acq: 12 Aug 2025 16:47

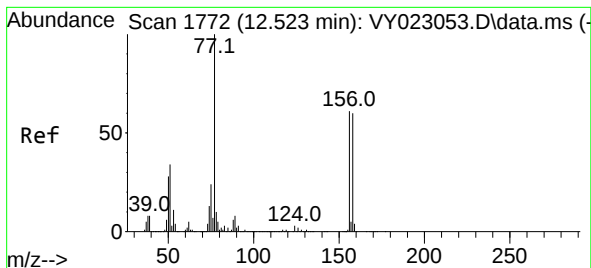
Tgt Ion: 75 Resp: 950569

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 155.568 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

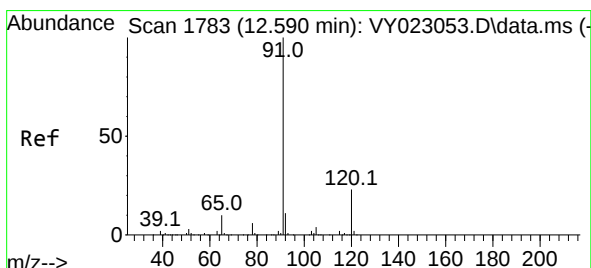
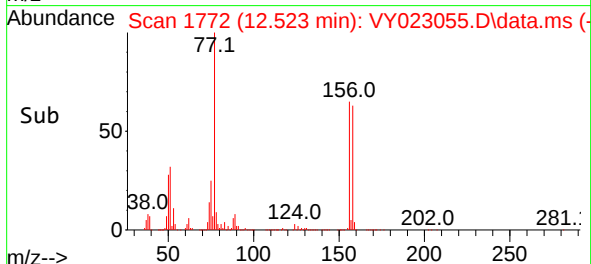
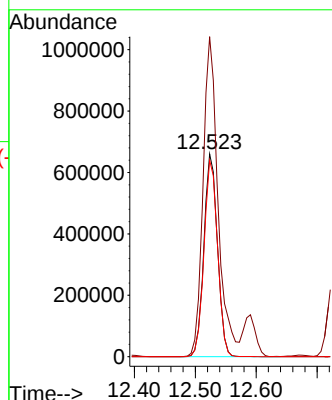
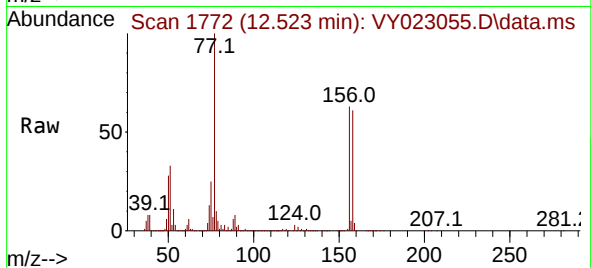
Tgt Ion:156 Resp: 1021449

Ion Ratio Lower Upper

156 100

77 174.8 88.1 264.4

158 97.0 48.0 144.0



#78

n-propylbenzene

Concen: 154.058 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023055.D

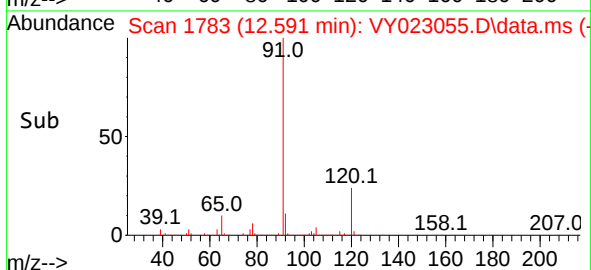
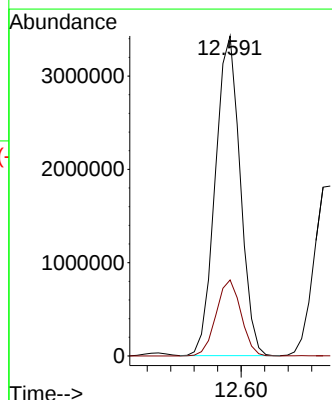
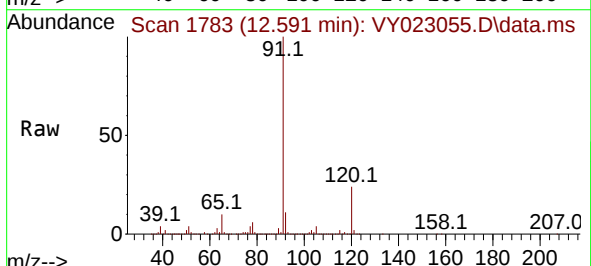
Acq: 12 Aug 2025 16:47

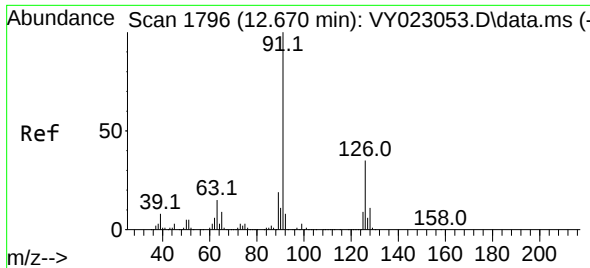
Tgt Ion: 91 Resp: 5048012

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.5

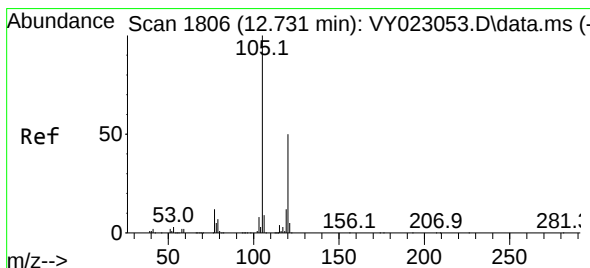
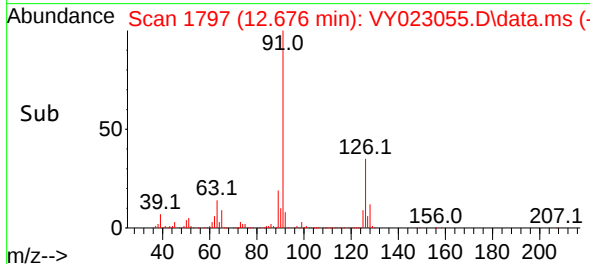
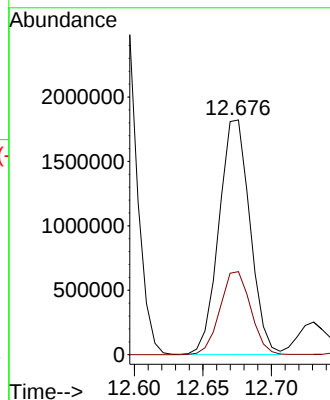
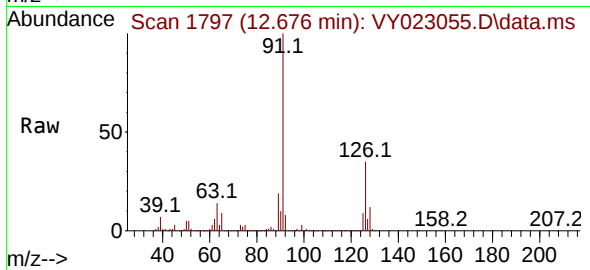




#79
2-Chlorotoluene
Concen: 153.331 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

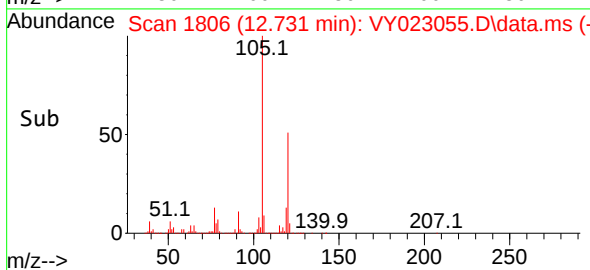
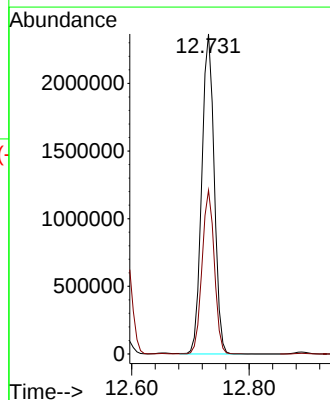
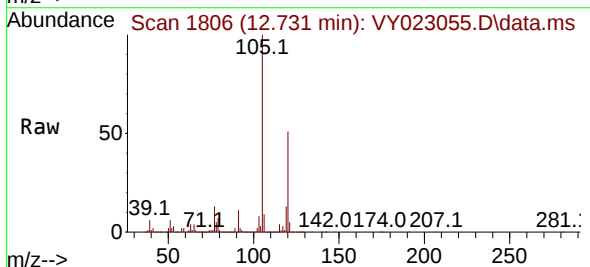
Instrument :
MSVOA_Y
ClientSampleId :

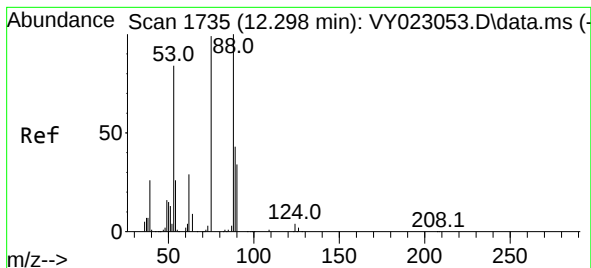
Tgt Ion: 91 Resp: 2878647
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 155.973 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 105 Resp: 3469329
Ion Ratio Lower Upper
105 100
120 50.4 24.8 74.4

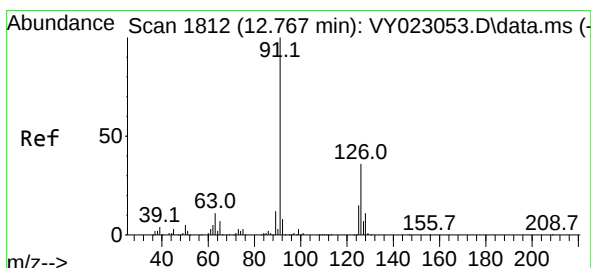
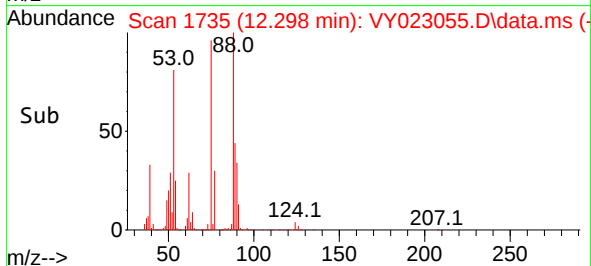
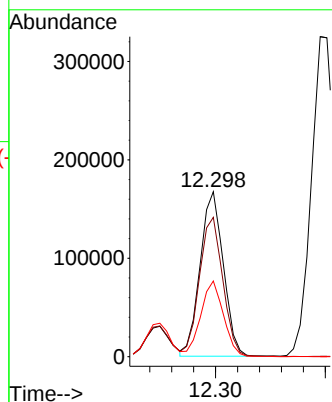
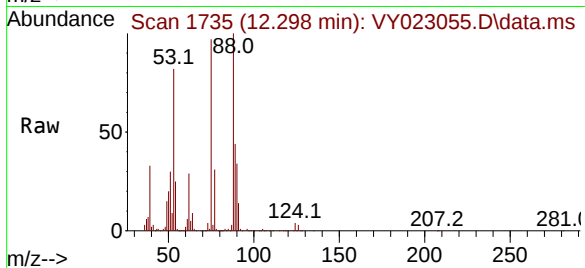




#81
trans-1,4-Dichloro-2-butene
Concen: 158.203 ug/l
RT: 12.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

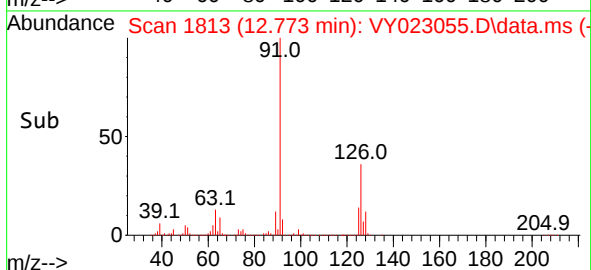
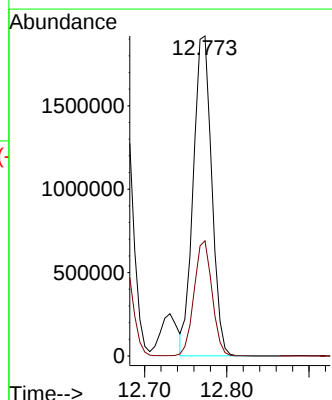
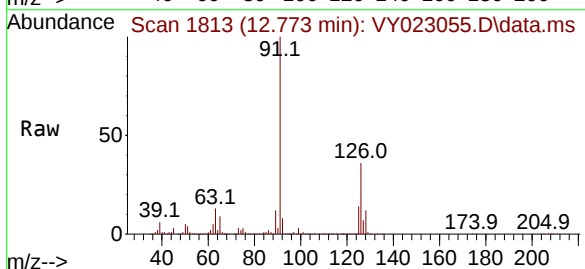
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 245958
Ion Ratio Lower Upper
75 100
53 85.9 70.8 106.2
89 45.5 38.1 57.1



#82
4-Chlorotoluene
Concen: 153.063 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

Tgt Ion: 91 Resp: 2981042
Ion Ratio Lower Upper
91 100
126 35.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 157.371 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

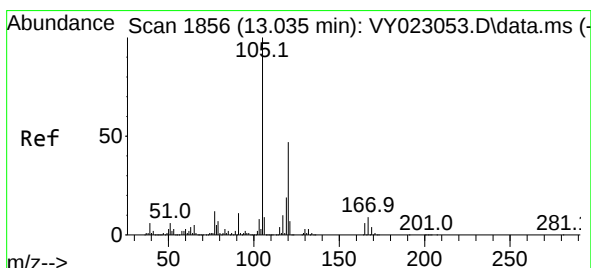
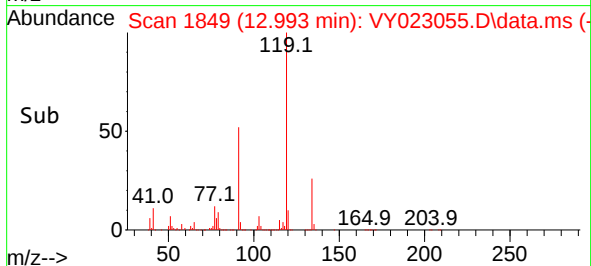
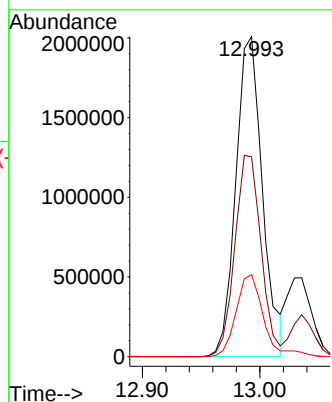
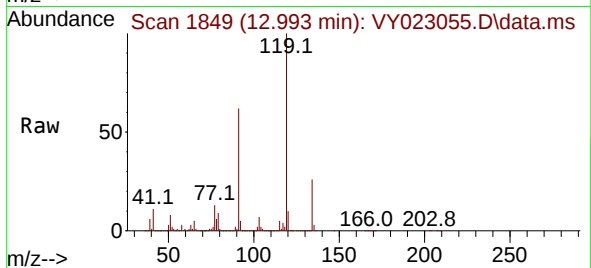
Tgt Ion:119 Resp: 3161475

Ion Ratio Lower Upper

119 100

91 62.0 31.6 94.8

134 26.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 158.143 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023055.D

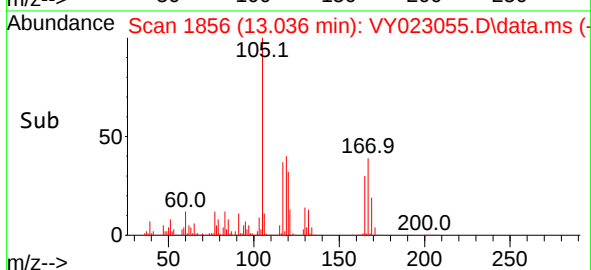
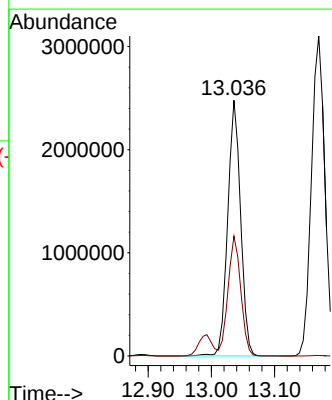
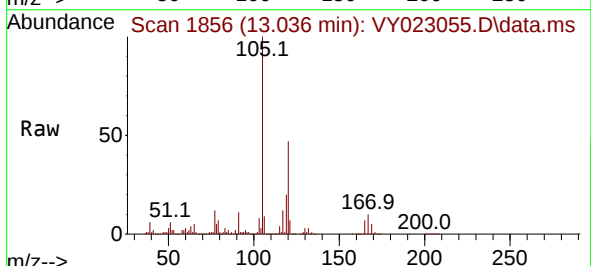
Acq: 12 Aug 2025 16:47

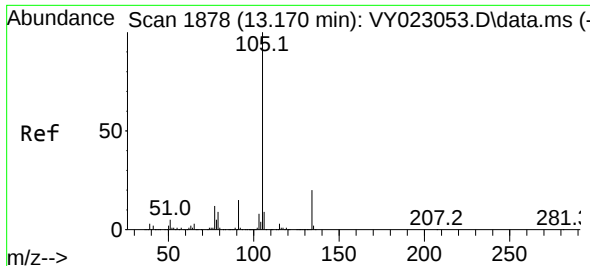
Tgt Ion:105 Resp: 3501626

Ion Ratio Lower Upper

105 100

120 46.2 23.0 69.0

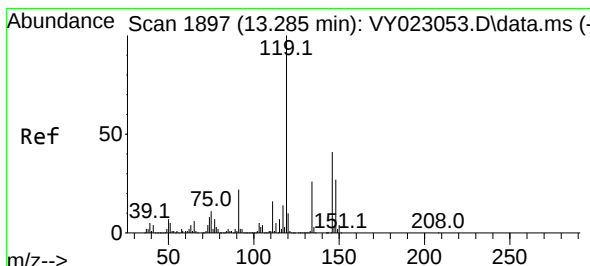
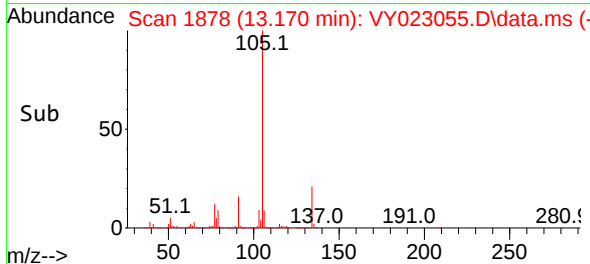
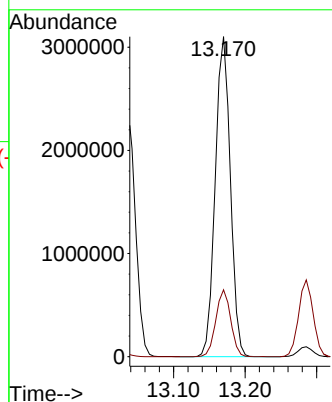
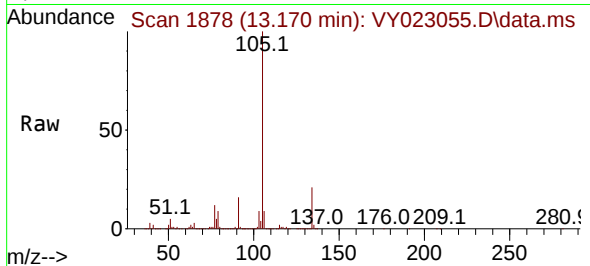




#85
 sec-Butylbenzene
 Concen: 153.897 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

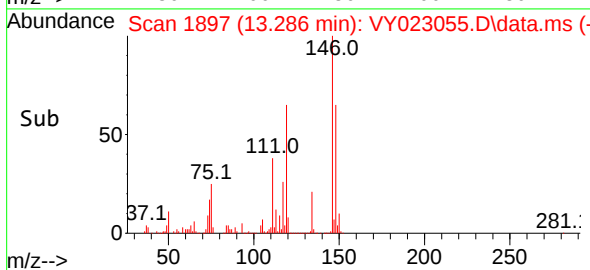
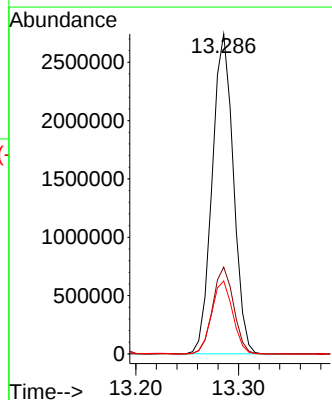
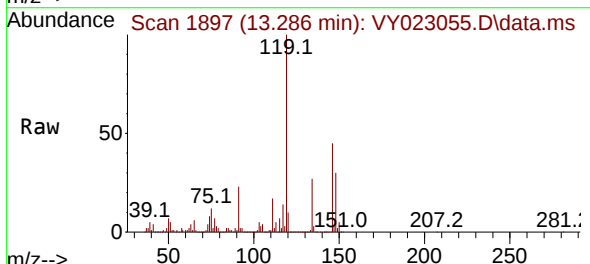
Instrument :
 MSVOA_Y
 ClientSampleId :

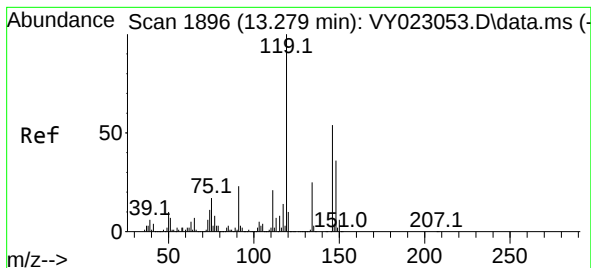
Tgt Ion:105 Resp: 4541629
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 159.987 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion:119 Resp: 3918969
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.6
 91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 158.251 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

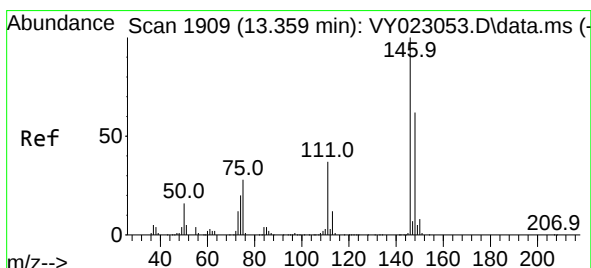
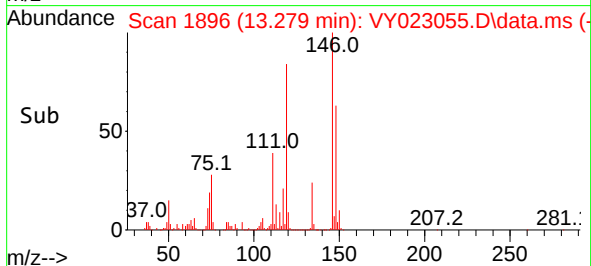
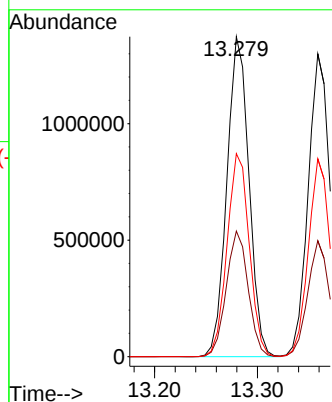
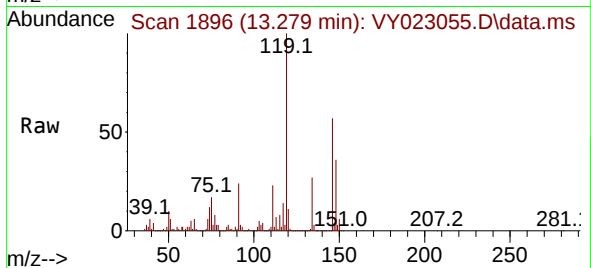
Tgt Ion:146 Resp: 2049060

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

148 63.8 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 151.172 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

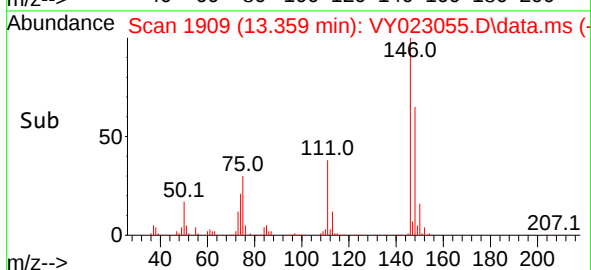
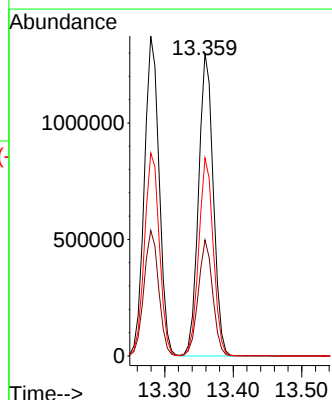
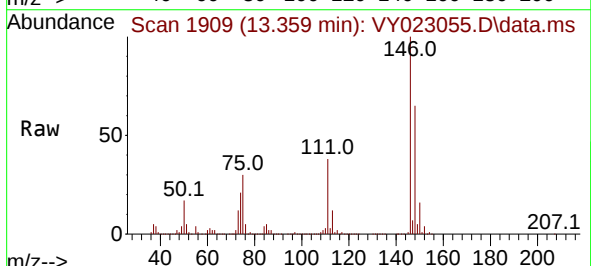
Tgt Ion:146 Resp: 1941716

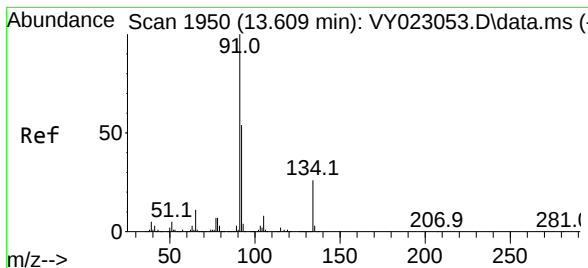
Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

148 64.7 31.6 94.7





#89

n-Butylbenzene

Concen: 159.048 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

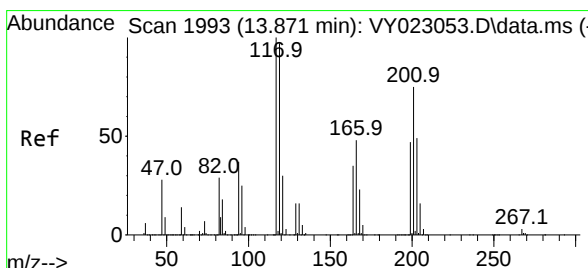
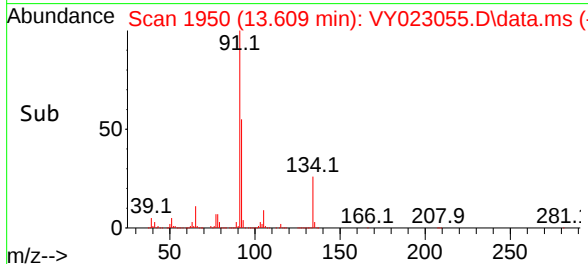
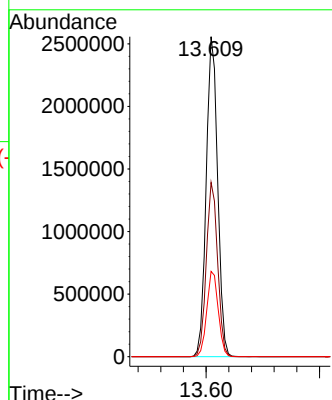
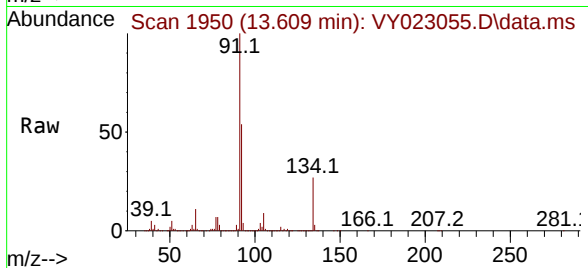
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91 Resp: 3578272

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.7
134	26.7	13.2	39.5



#90

Hexachloroethane

Concen: 154.073 ug/l

RT: 13.871 min Scan# 1993

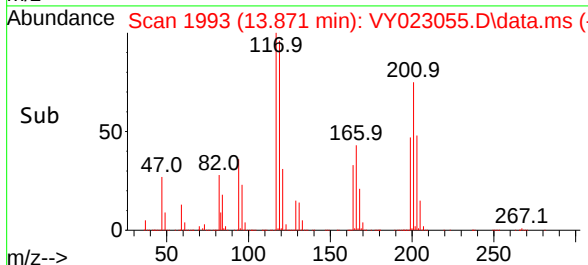
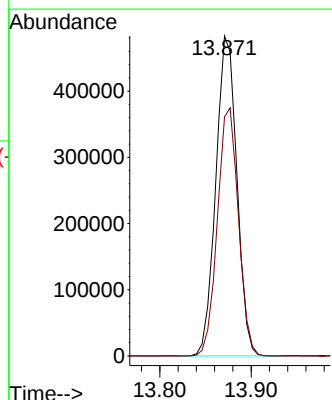
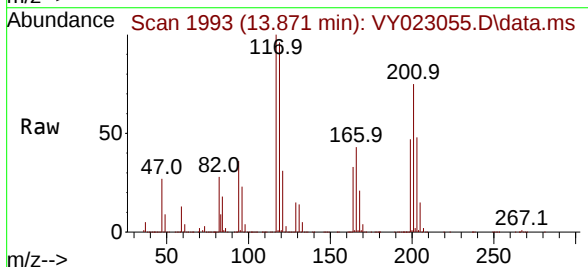
Delta R.T. 0.000 min

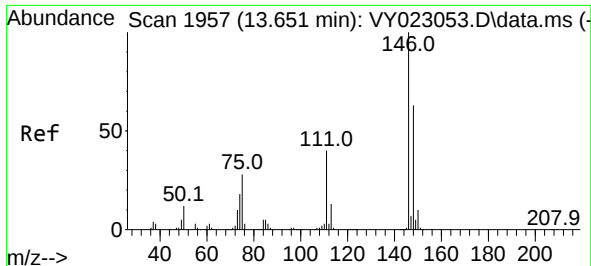
Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Tgt Ion: 117 Resp: 772603

Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.4	115.1

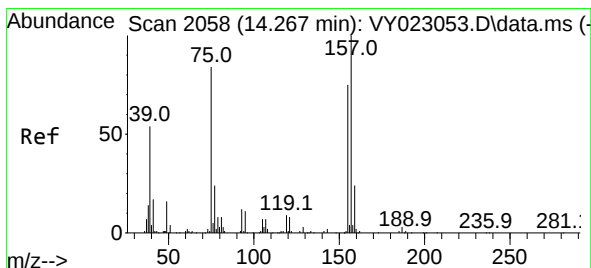
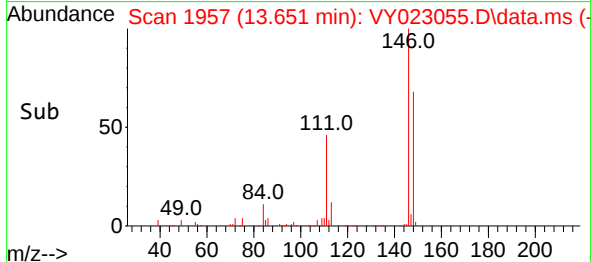
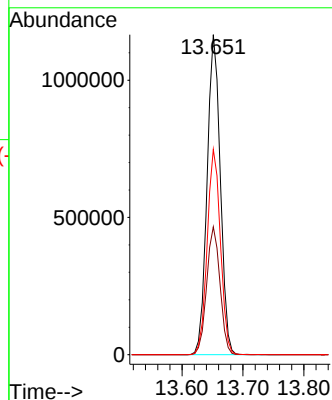
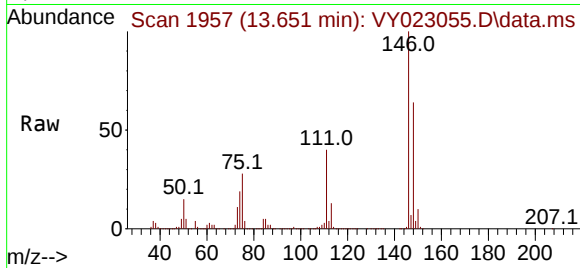




#91
 1,2-Dichlorobenzene
 Concen: 154.469 ug/l
 RT: 13.651 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

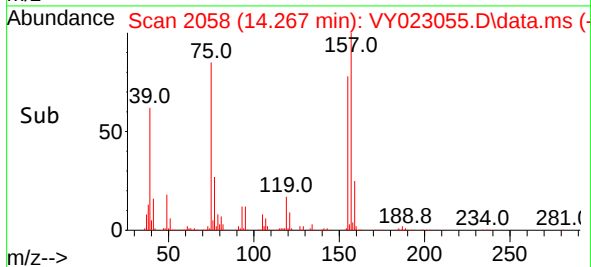
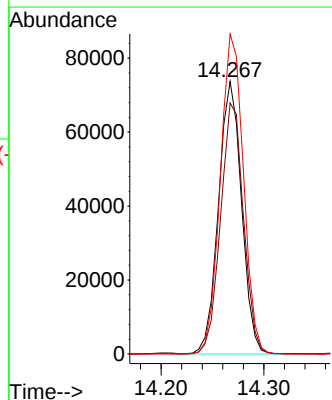
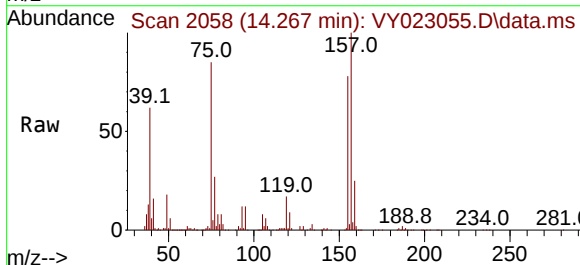
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:146 Resp: 1754100
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.8
 148 64.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 156.498 ug/l
 RT: 14.267 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: VY023055.D
 Acq: 12 Aug 2025 16:47

Tgt Ion: 75 Resp: 114505
 Ion Ratio Lower Upper
 75 100
 155 91.8 43.9 131.6
 157 117.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 166.397 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

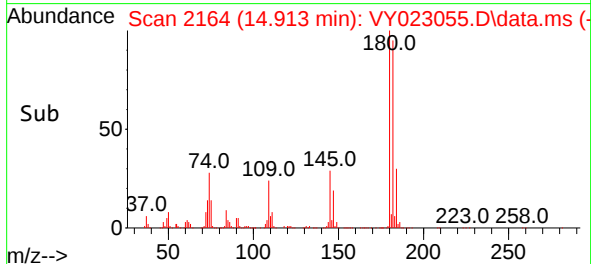
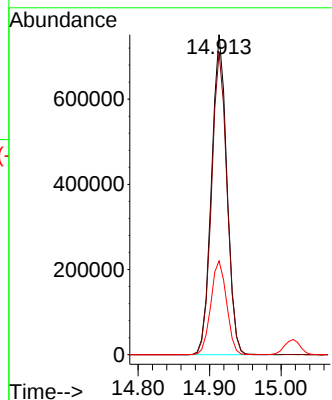
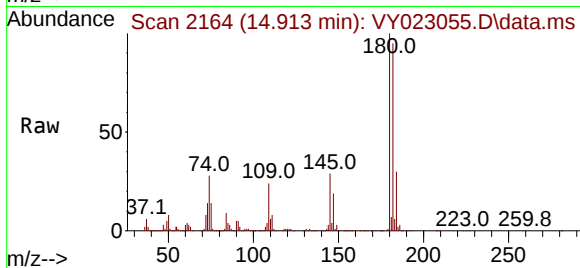
Tgt Ion:180 Resp: 1117401

Ion Ratio Lower Upper

180 100

182 95.0 46.8 140.4

145 30.0 14.4 43.4



#94

Hexachlorobutadiene

Concen: 149.352 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023055.D

Acq: 12 Aug 2025 16:47

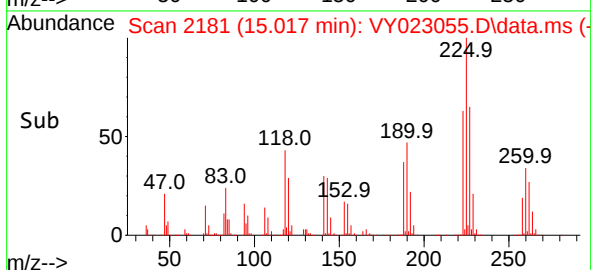
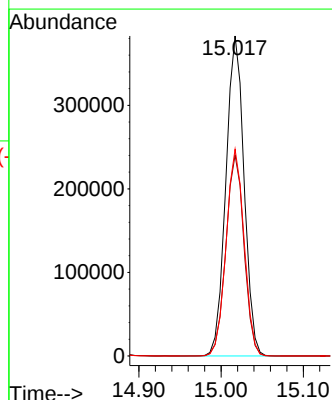
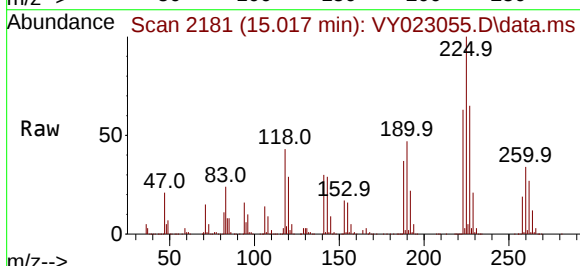
Tgt Ion:225 Resp: 589351

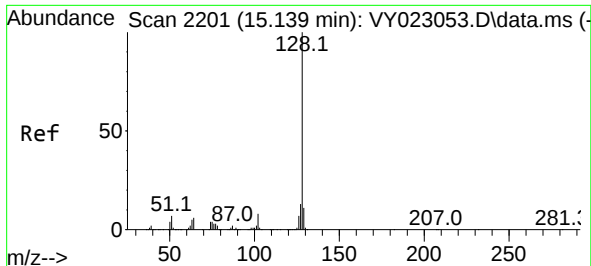
Ion Ratio Lower Upper

225 100

223 62.4 31.3 93.8

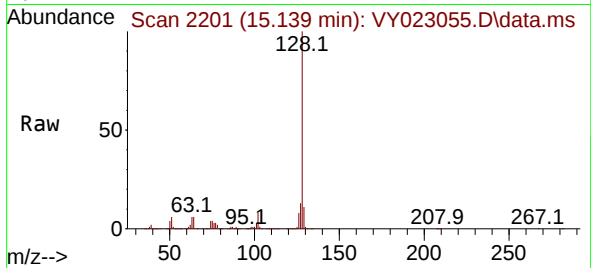
227 63.8 31.5 94.5



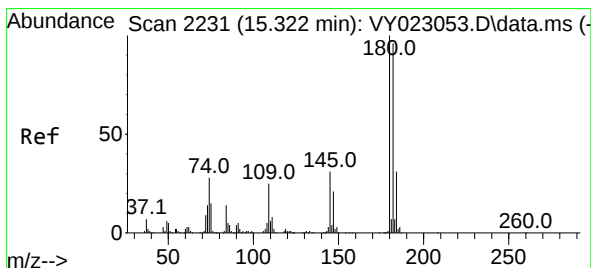
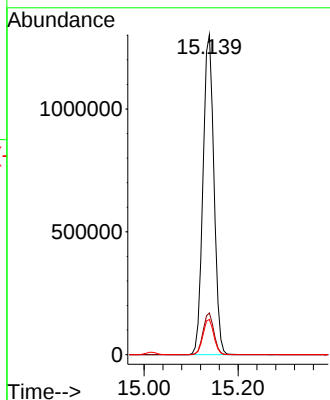
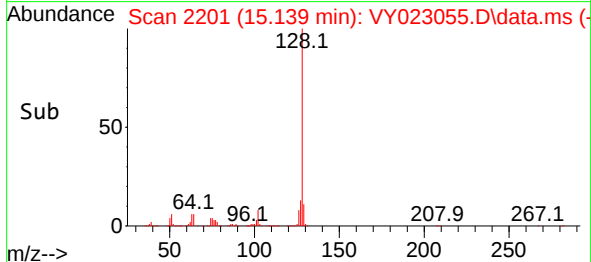


#95
Naphthalene
Concen: 182.954 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47

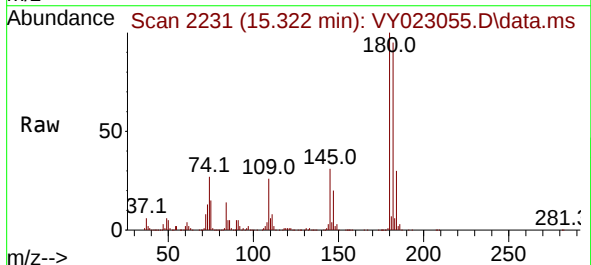
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 2094983
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 168.557 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY023055.D
Acq: 12 Aug 2025 16:47



Tgt Ion:180 Resp: 975366
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 31.4 15.9 47.7

