

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023052.D
 Acq On : 12 Aug 2025 15:40
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:52:25 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	7.707	168	537748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	848953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	745484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	370932	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	103755	20.244	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.480%#
35) Dibromofluoromethane	7.628	113	102068	20.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.180%#
50) Toluene-d8	10.103	98	398394	20.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.160%#
62) 4-Bromofluorobenzene	12.402	95	124467	19.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	98926	22.537	ug/l	98
3) Chloromethane	2.068	50	158310	22.268	ug/l	99
4) Vinyl Chloride	2.202	62	188307	21.427	ug/l	99
5) Bromomethane	2.586	94	140517	21.410	ug/l	99
6) Chloroethane	2.726	64	122310	20.934	ug/l	99
7) Trichlorofluoromethane	3.050	101	225373	21.090	ug/l	99
8) Diethyl Ether	3.452	74	58245	20.602	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	112116	21.267	ug/l	99
10) Methyl Iodide	3.994	142	115879	20.370	ug/l	99
11) Tert butyl alcohol	4.860	59	35192	100.214	ug/l	98
12) 1,1-Dichloroethene	3.781	96	107992	20.840	ug/l	99
13) Acrolein	3.653	56	54065	105.126	ug/l	100
14) Allyl chloride	4.379	41	155709	20.421	ug/l	97
15) Acrylonitrile	5.055	53	120151	104.535	ug/l	97
16) Acetone	3.866	43	113468	102.193	ug/l	96
17) Carbon Disulfide	4.098	76	357484	21.157	ug/l	98
18) Methyl Acetate	4.379	43	69853	21.141	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	278863	20.767	ug/l	99
20) Methylene Chloride	4.610	84	130416	21.069	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	120321	20.661	ug/l	96
22) Diisopropyl ether	6.012	45	346195	20.894	ug/l	95
23) Vinyl Acetate	5.951	43	941364	102.748	ug/l	97
24) 1,1-Dichloroethane	5.909	63	211558	20.884	ug/l	98
25) 2-Butanone	6.890	43	153363	101.559	ug/l	100
26) 2,2-Dichloropropane	6.878	77	181528	20.767	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138775	20.613	ug/l	99
28) Bromochloromethane	7.244	49	84540	21.035	ug/l	99
29) Tetrahydrofuran	7.262	42	95795	102.341	ug/l	99
30) Chloroform	7.415	83	215585	20.635	ug/l	98
31) Cyclohexane	7.701	56	194671	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	193268	20.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156617	20.746	ug/l	98
37) Ethyl Acetate	6.982	43	66420	20.944	ug/l	100
38) Carbon Tetrachloride	7.817	117	171344	20.897	ug/l	98
39) Methylcyclohexane	9.103	83	205594	20.680	ug/l	98
40) Benzene	8.079	78	485631	20.871	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	93052	50.787	ug/l #	32
42) 1,2-Dichloroethane	8.152	62	126111	20.839	ug/l	100
43) Isopropyl Acetate	8.195	43	131854	20.571	ug/l	98
44) Trichloroethene	8.859	130	126772	21.083	ug/l	98
45) 1,2-Dichloropropane	9.134	63	110699	20.677	ug/l	99
46) Dibromomethane	9.225	93	63410	20.635	ug/l	98
47) Bromodichloromethane	9.420	83	165954	20.988	ug/l	96
48) Methyl methacrylate	9.219	41	64120	20.905	ug/l	98
49) 1,4-Dioxane	9.225	88	14826	411.480	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	339298	102.622	ug/l	100
52) Toluene	10.164	92	306193	20.719	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	147696	20.627	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	174243	20.580	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	86022	20.920	ug/l	99
56) Ethyl methacrylate	10.432	69	105816	20.111	ug/l	99
57) 1,3-Dichloropropane	10.713	76	145621	20.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	244340	98.450	ug/l	99
59) 2-Hexanone	10.755	43	231872	102.992	ug/l	99
60) Dibromochloromethane	10.908	129	110810	20.424	ug/l	99
61) 1,2-Dibromoethane	11.012	107	80549	20.842	ug/l	97
64) Tetrachloroethene	10.640	164	141609	21.273	ug/l	99
65) Chlorobenzene	11.438	112	332700	20.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	112677	20.647	ug/l	99
67) Ethyl Benzene	11.511	91	564855	20.412	ug/l	99
68) m/p-Xylenes	11.621	106	444361	41.115	ug/l	98
69) o-Xylene	11.950	106	207639	20.513	ug/l	99
70) Styrene	11.963	104	339891	20.532	ug/l	99
71) Bromoform	12.127	173	64275	20.151	ug/l #	98
73) Isopropylbenzene	12.249	105	534421	20.413	ug/l	100
74) N-amyl acetate	12.066	43	112297	20.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	89782	20.085	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	122494	34.195	ug/l #	100
77) Bromobenzene	12.523	156	128501	20.574	ug/l	99
78) n-propylbenzene	12.590	91	640528	20.550	ug/l	99
79) 2-Chlorotoluene	12.670	91	365577	20.471	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	435074	20.563	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	30153	20.389	ug/l	97
82) 4-Chlorotoluene	12.773	91	385755	20.822	ug/l	99
83) tert-Butylbenzene	12.993	119	389621	20.389	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	438392	20.814	ug/l	98
85) sec-Butylbenzene	13.170	105	575804	20.512	ug/l	100
86) p-Isopropyltoluene	13.285	119	480937	20.640	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	252452	20.497	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	249280	20.403	ug/l	99
89) n-Butylbenzene	13.609	91	440963	20.605	ug/l	99
90) Hexachloroethane	13.871	117	96478	20.226	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	222000	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13973	20.076	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	130718	20.464	ug/l	98
94) Hexachlorobutadiene	15.017	225	77511	20.650	ug/l	99
95) Naphthalene	15.139	128	216923	19.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	111506	20.258	ug/l	99

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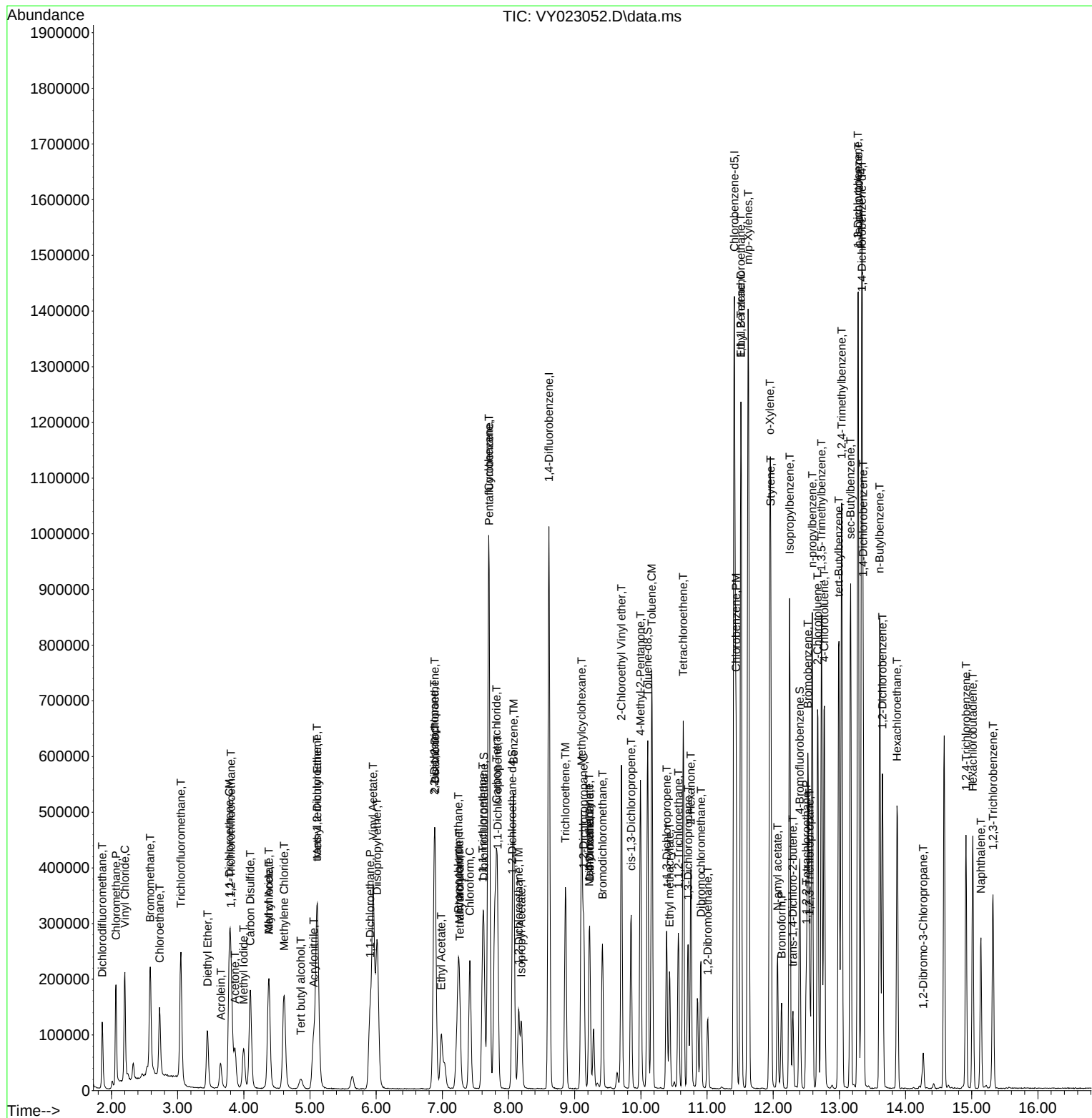
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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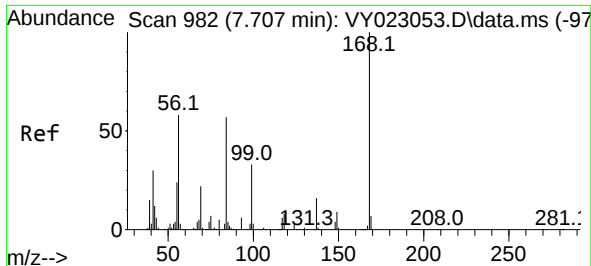
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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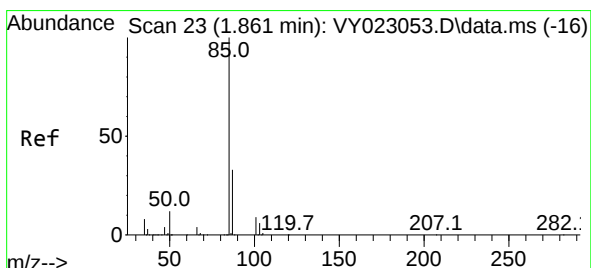
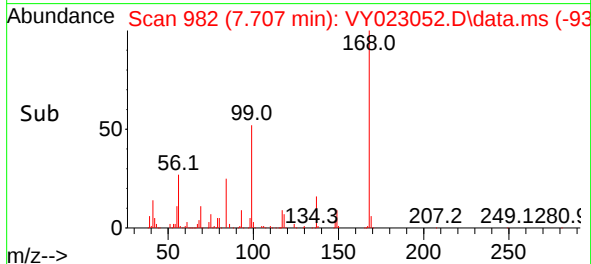
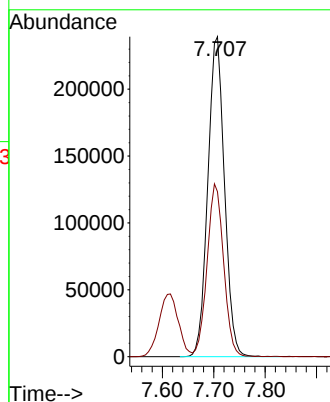
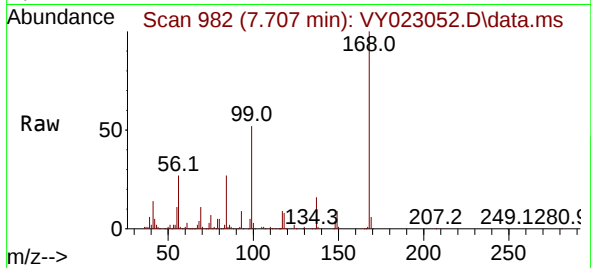




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023052.D
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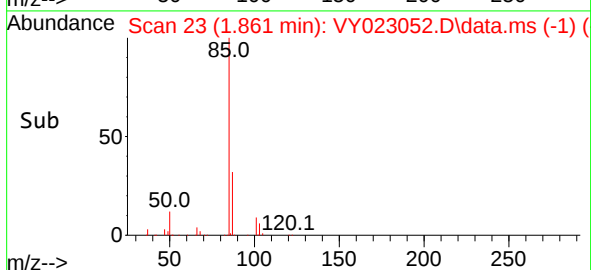
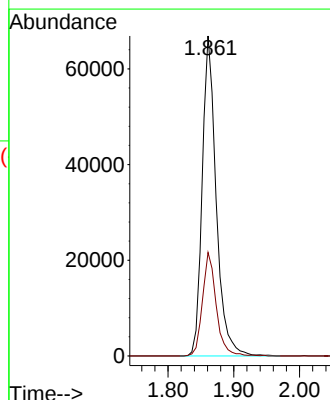
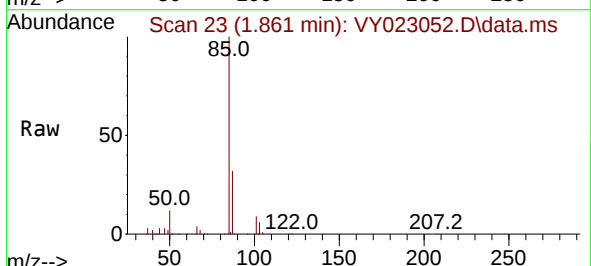
Instrument :
MSVOA_Y
ClientSampleId :

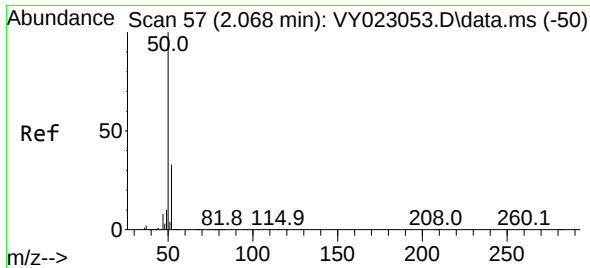
Tgt Ion:168 Resp: 537748
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 22.537 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 85 Resp: 98926
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8

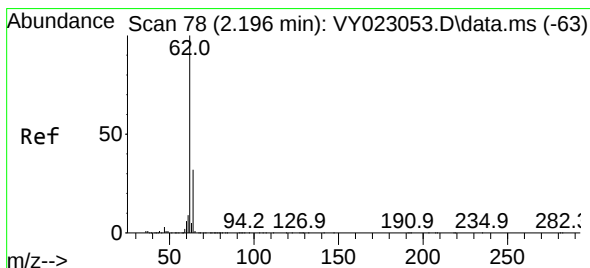
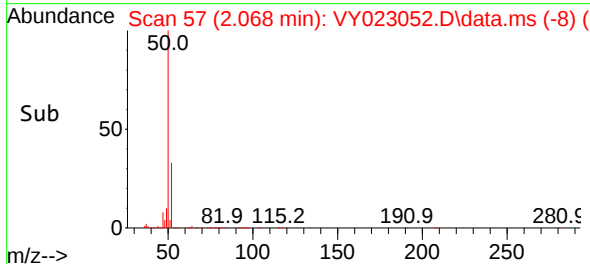
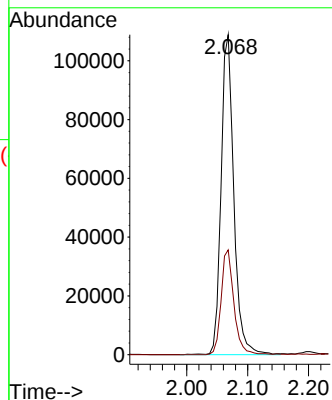
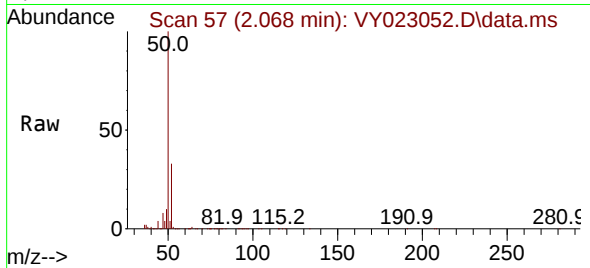




#3
Chloromethane
Concen: 22.268 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

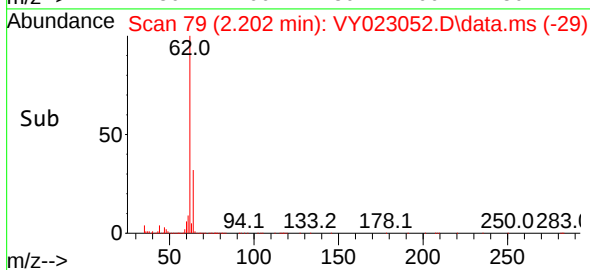
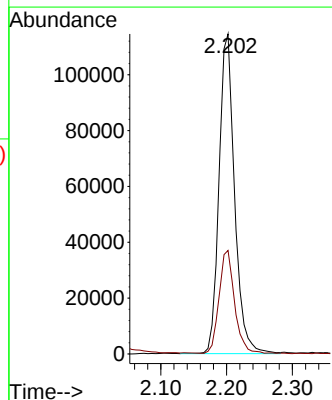
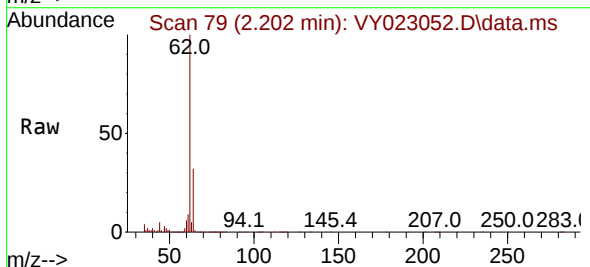
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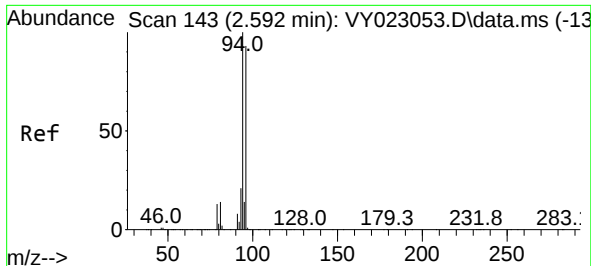
Tgt Ion: 50 Resp: 158310
Ion Ratio Lower Upper
50 100
52 32.8 26.7 40.1



#4
Vinyl Chloride
Concen: 21.427 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 188307
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0

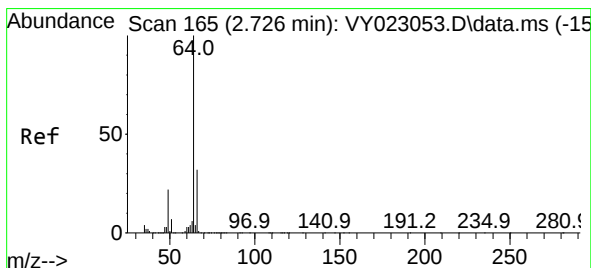
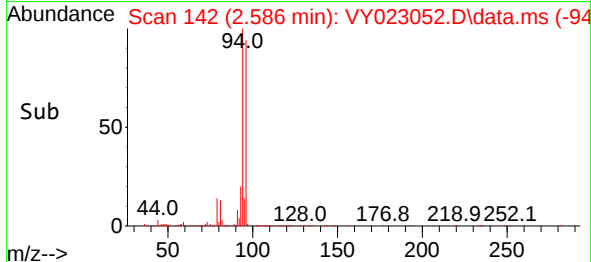
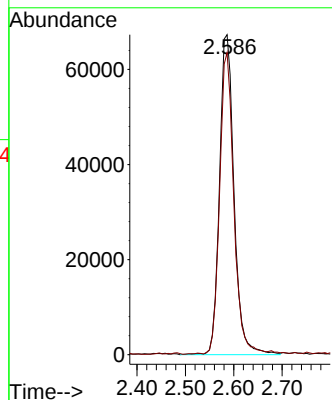
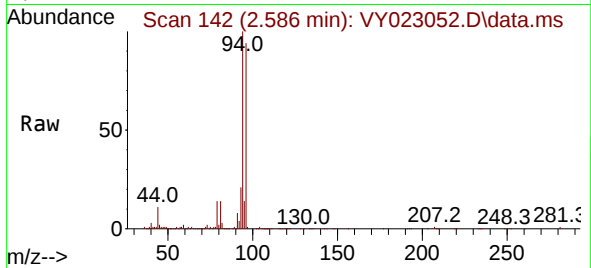




#5
Bromomethane
Concen: 21.410 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023052.D
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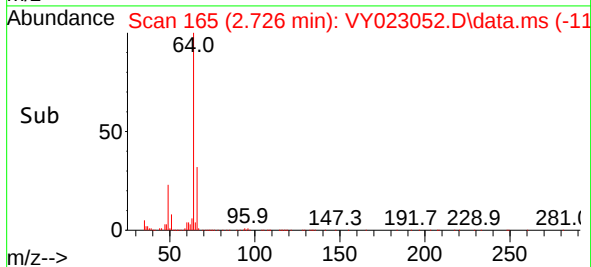
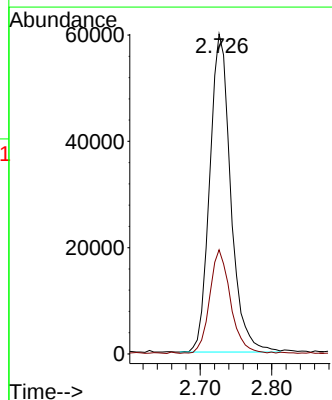
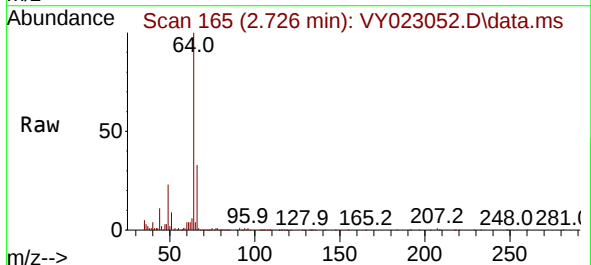
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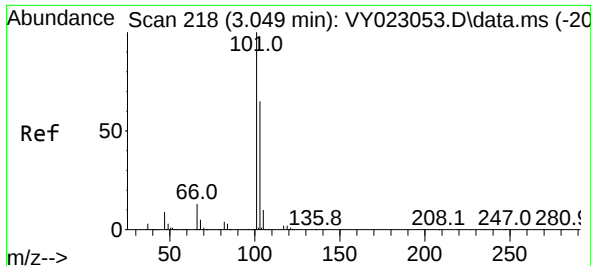
Tgt Ion: 94 Resp: 140517
Ion Ratio Lower Upper
94 100
96 94.1 74.6 112.0



#6
Chloroethane
Concen: 20.934 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023052.D
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Tgt Ion: 64 Resp: 122310
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.6

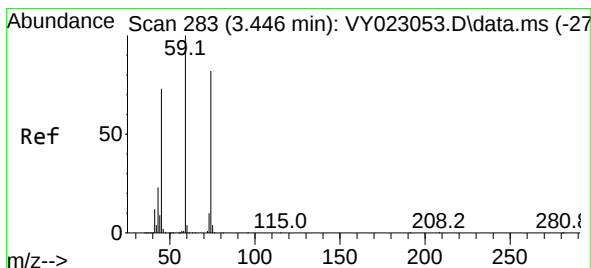
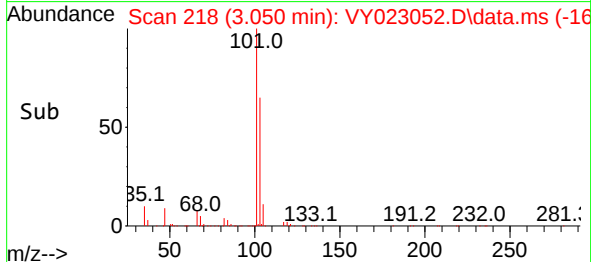
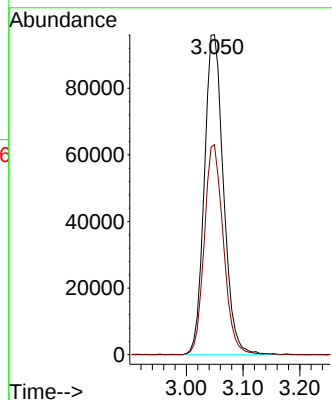
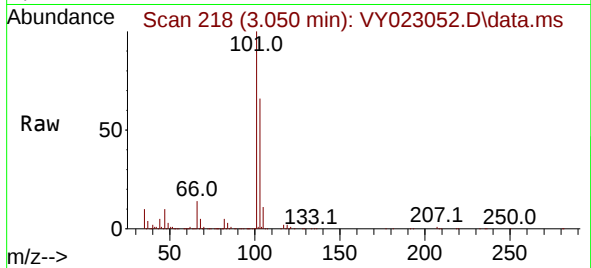




#7
 Trichlorofluoromethane
 Concen: 21.090 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

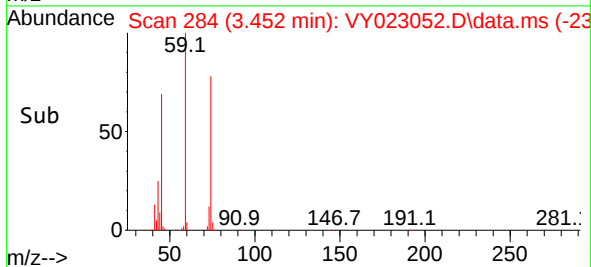
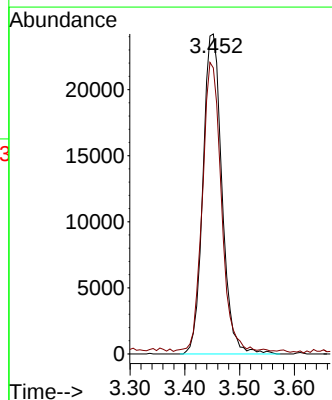
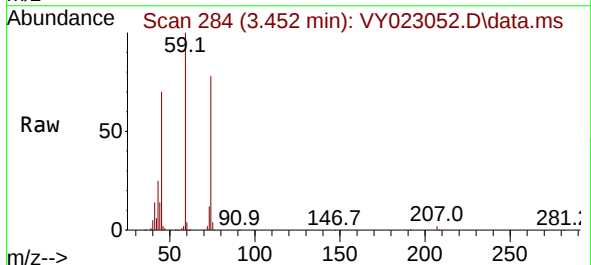
Instrument :
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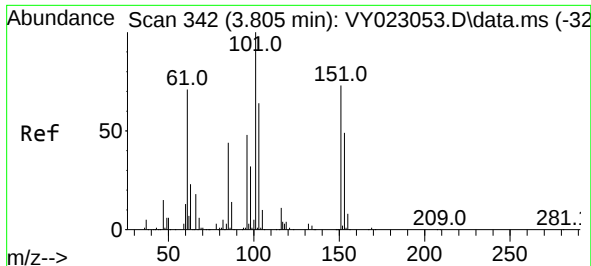
Tgt Ion:101 Resp: 225373
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.9 77.9



#8
 Diethyl Ether
 Concen: 20.602 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 74 Resp: 58245
 Ion Ratio Lower Upper
 74 100
 45 89.8 44.4 133.2

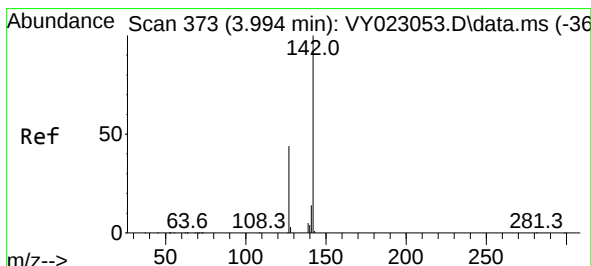
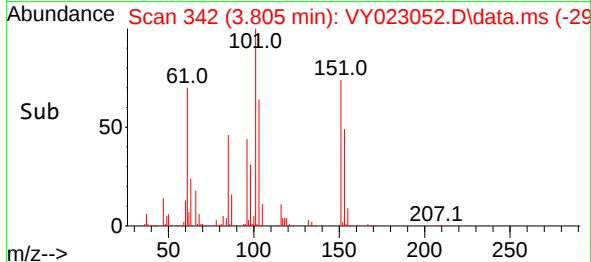
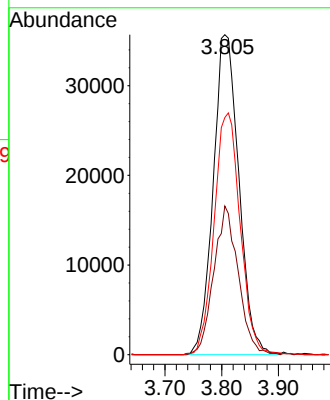
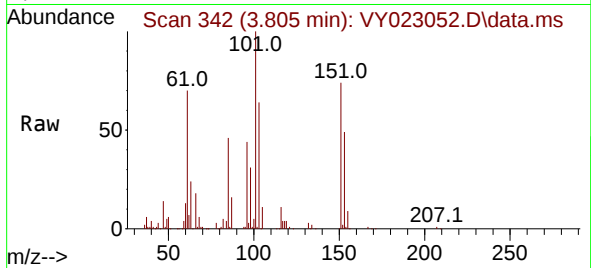




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.267 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

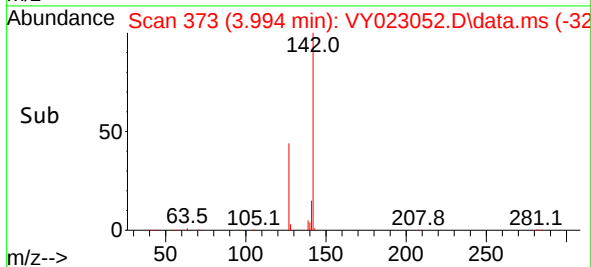
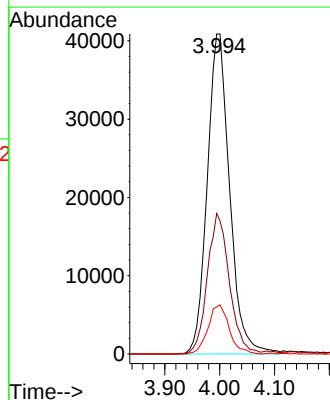
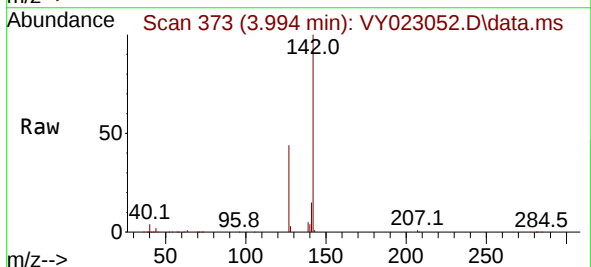
Instrument :
MSVOA_Y
ClientSampleId :

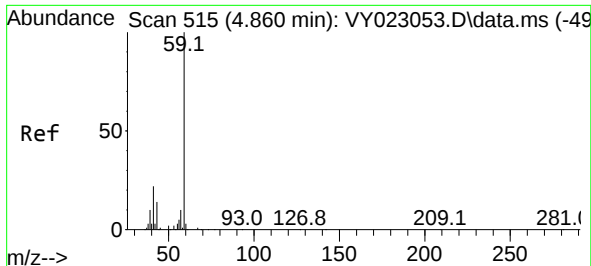
Tgt Ion:101 Resp: 112116
Ion Ratio Lower Upper
101 100
85 44.2 36.3 54.5
151 76.8 61.5 92.3



#10
Methyl Iodide
Concen: 20.370 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:142 Resp: 115879
Ion Ratio Lower Upper
142 100
127 43.0 34.9 52.3
141 14.6 11.3 16.9

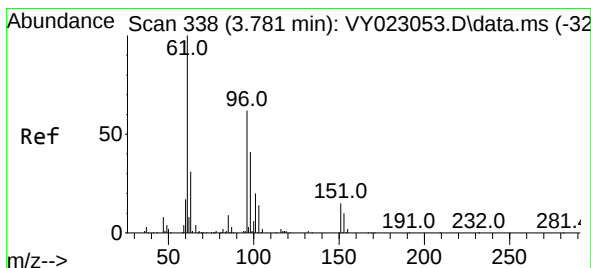
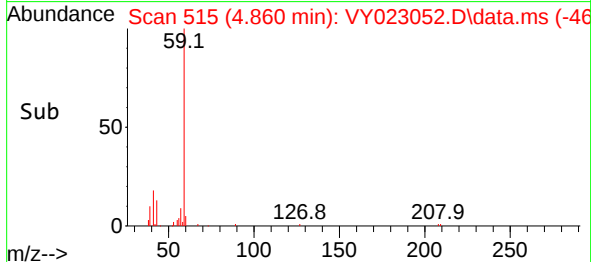
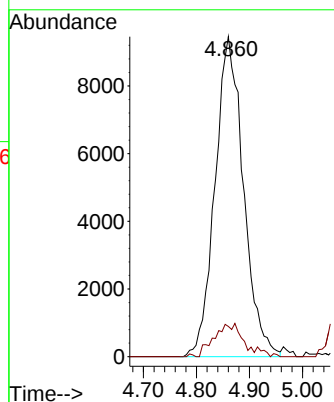
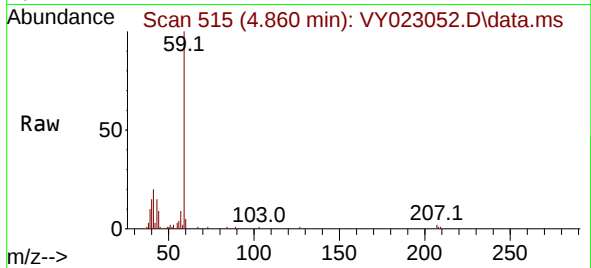




#11
Tert butyl alcohol
Concen: 100.214 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

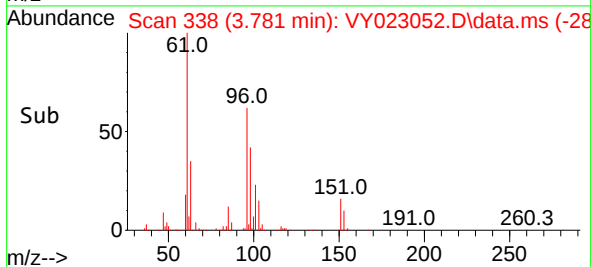
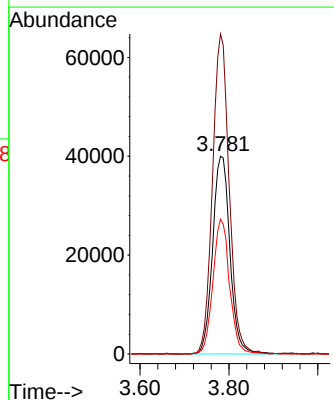
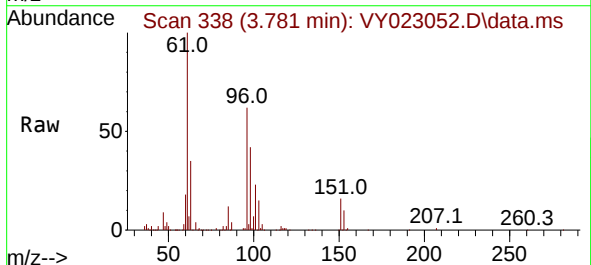
Instrument :
MSVOA_Y
ClientSampleId :

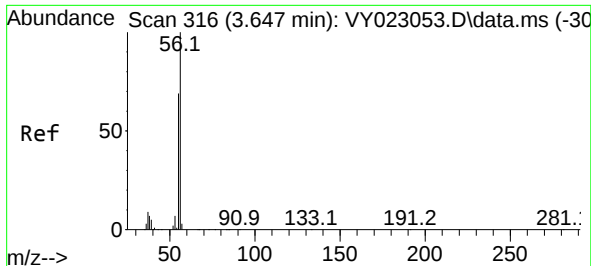
Tgt Ion: 59 Resp: 35192
Ion Ratio Lower Upper
59 100
57 10.0 8.6 13.0



#12
1,1-Dichloroethene
Concen: 20.840 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 96 Resp: 107992
Ion Ratio Lower Upper
96 100
61 161.8 129.4 194.2
98 68.1 52.8 79.2

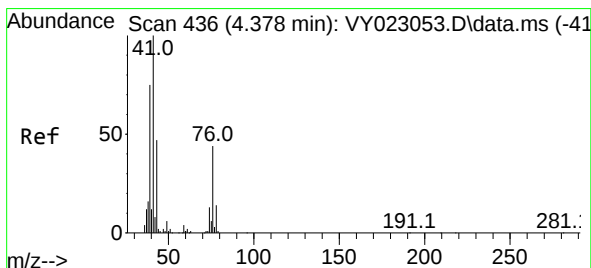
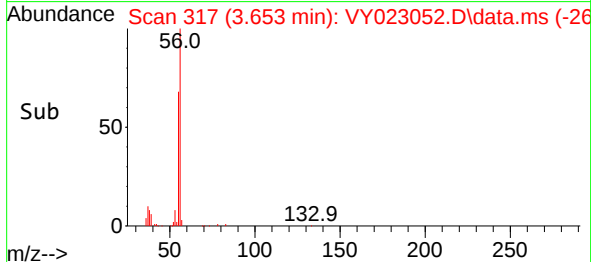
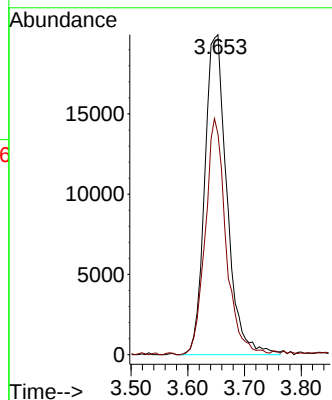
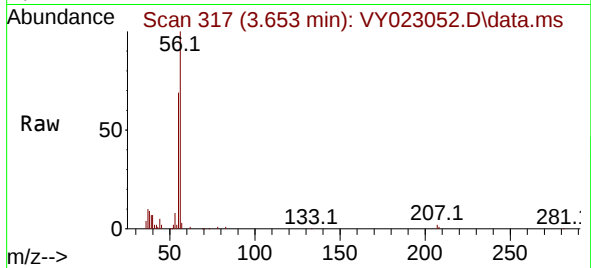




#13
Acrolein
Concen: 105.126 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

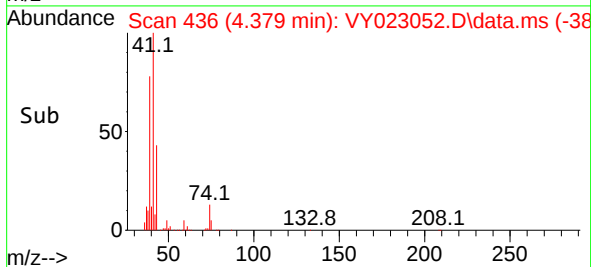
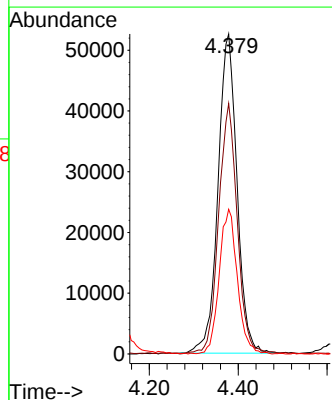
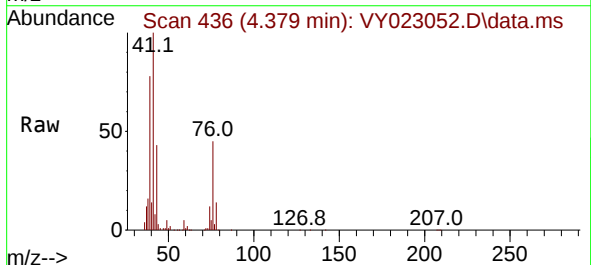
Instrument :
MSVOA_Y
ClientSampleId :

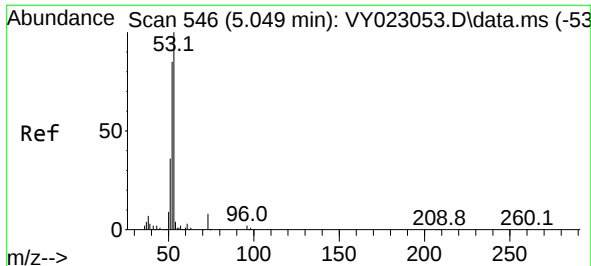
Tgt Ion: 56 Resp: 54065
Ion Ratio Lower Upper
56 100
55 69.1 55.2 82.8



#14
Allyl chloride
Concen: 20.421 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 155709
Ion Ratio Lower Upper
41 100
39 77.1 59.8 89.6
76 43.3 33.7 50.5

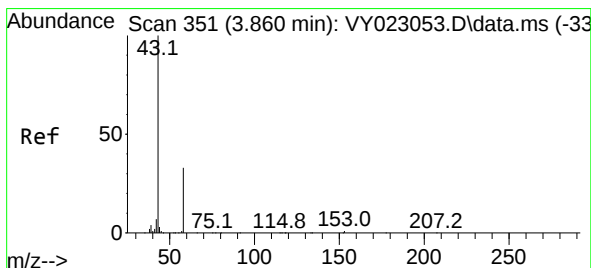
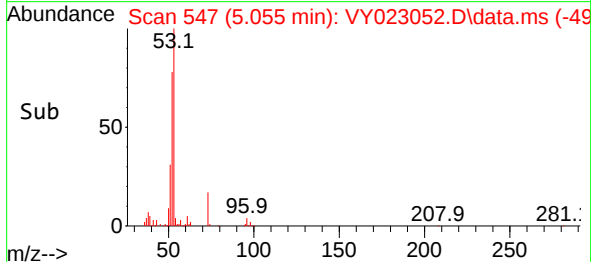
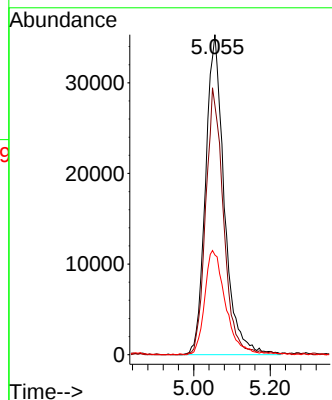
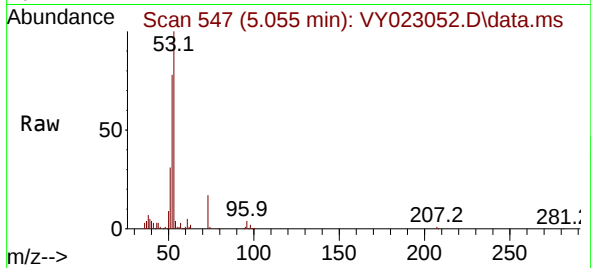




#15
Acrylonitrile
Concen: 104.535 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

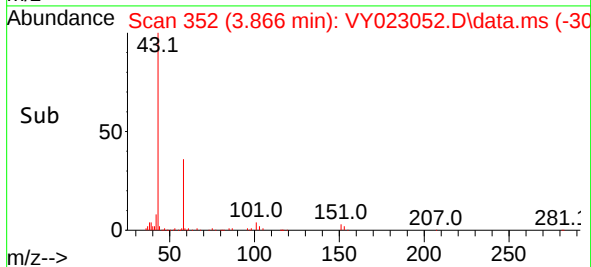
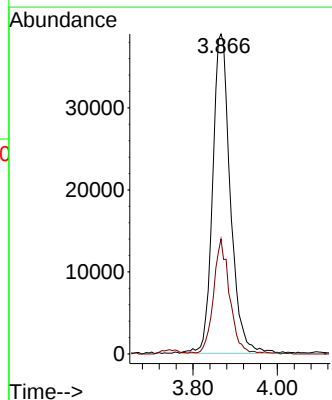
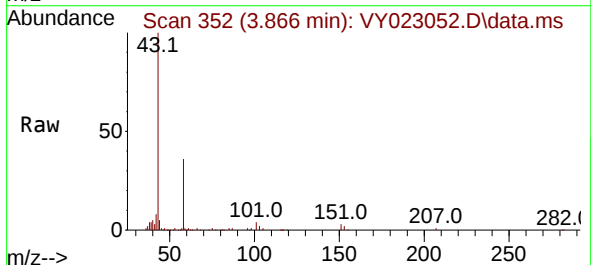
Instrument :
MSVOA_Y
ClientSampleId :

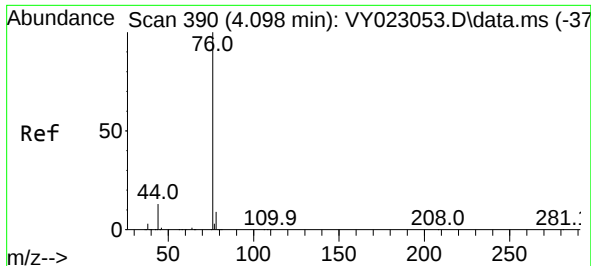
Tgt Ion: 53 Resp: 120151
Ion Ratio Lower Upper
53 100
52 78.7 65.3 97.9
51 35.9 29.5 44.3



#16
Acetone
Concen: 102.193 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 113468
Ion Ratio Lower Upper
43 100
58 36.0 27.1 40.7

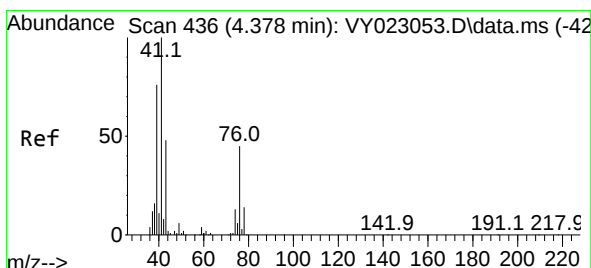
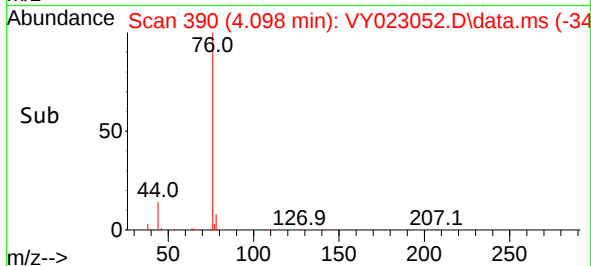
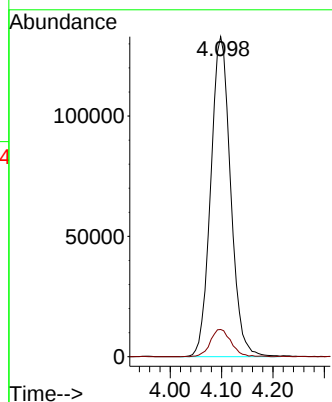
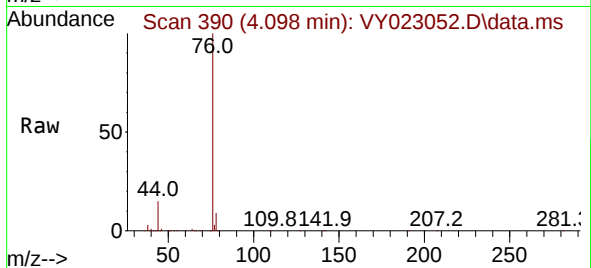




#17
Carbon Disulfide
Concen: 21.157 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

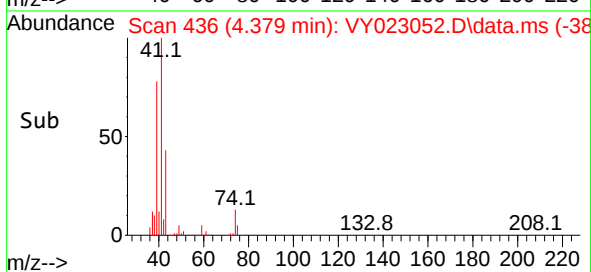
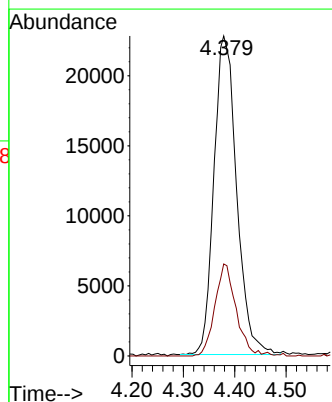
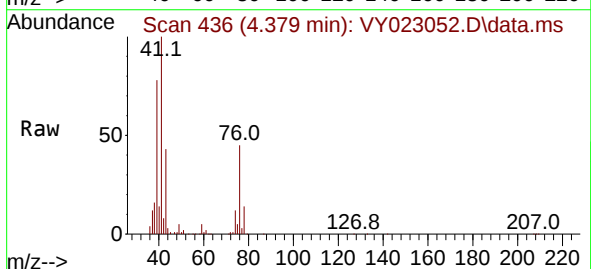
Instrument :
MSVOA_Y
ClientSampleId :

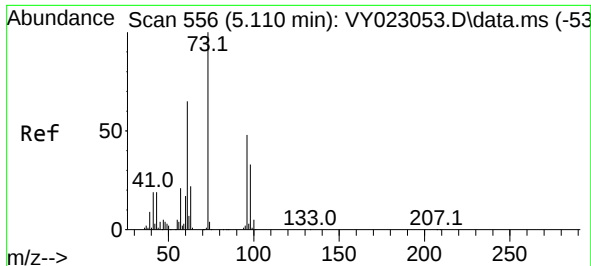
Tgt Ion: 76 Resp: 357484
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 21.141 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 69853
Ion Ratio Lower Upper
43 100
74 27.0 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 20.767 ug/l

RT: 5.110 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

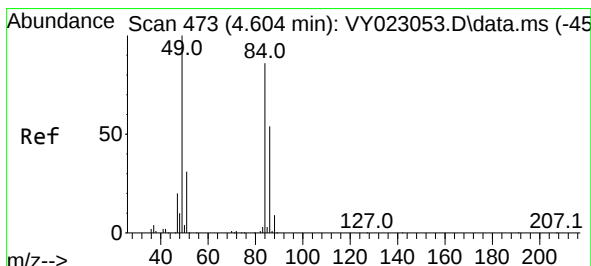
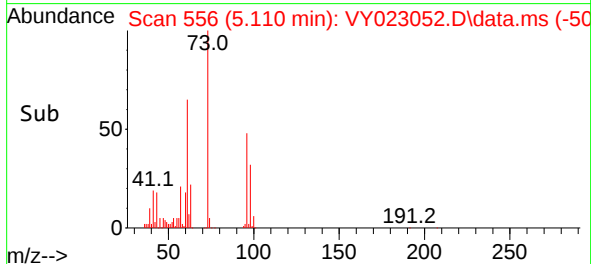
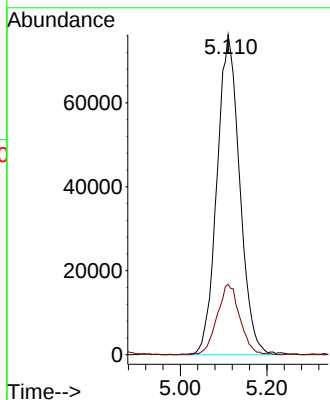
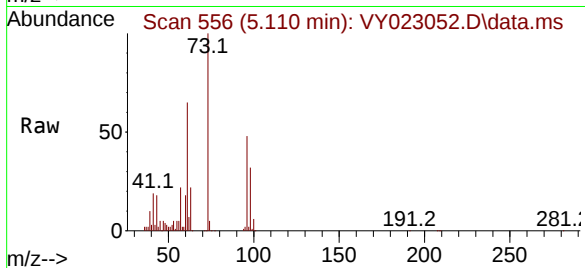
ClientSampleId :

Tgt Ion: 73 Resp: 278863

Ion Ratio Lower Upper

73 100

57 21.9 17.1 25.7



#20

Methylene Chloride

Concen: 21.069 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion: 84 Resp: 130416

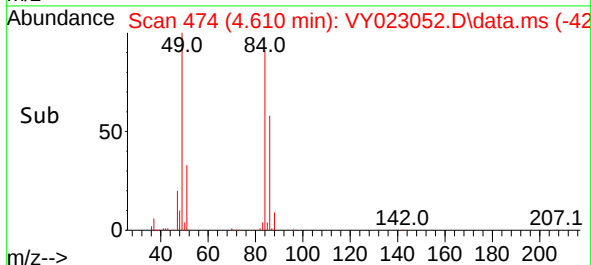
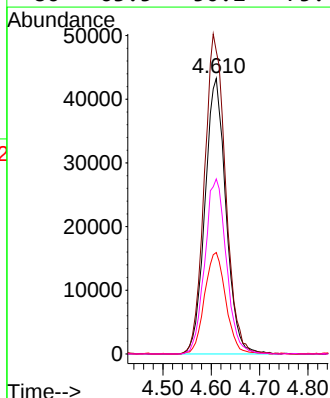
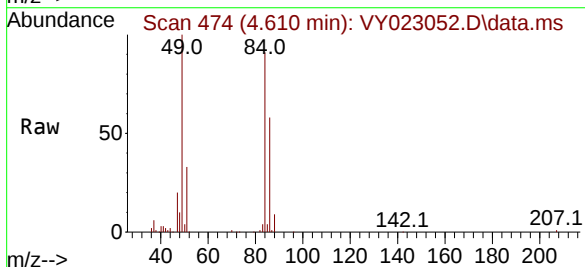
Ion Ratio Lower Upper

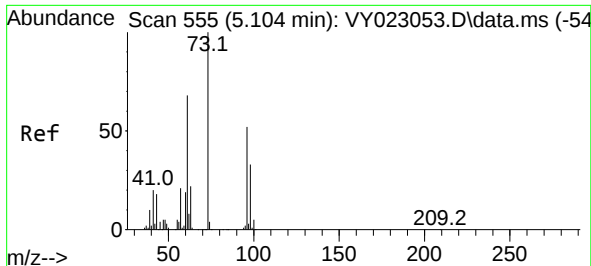
84 100

49 109.9 93.0 139.6

51 36.8 29.0 43.4

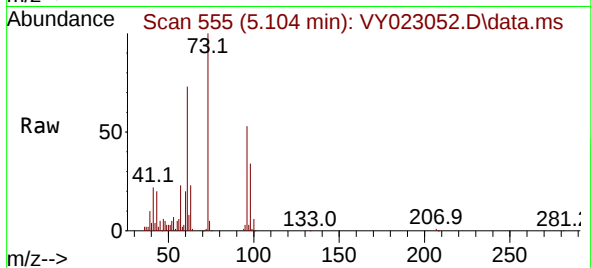
86 63.5 50.2 75.4



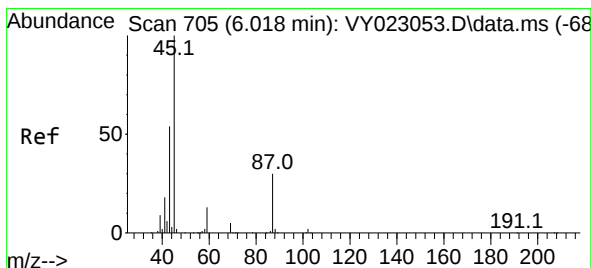
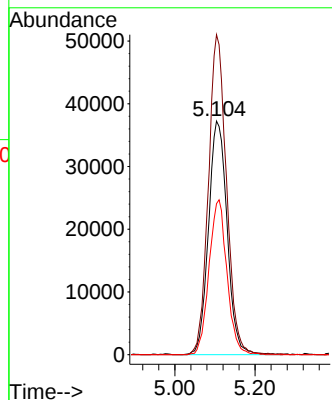
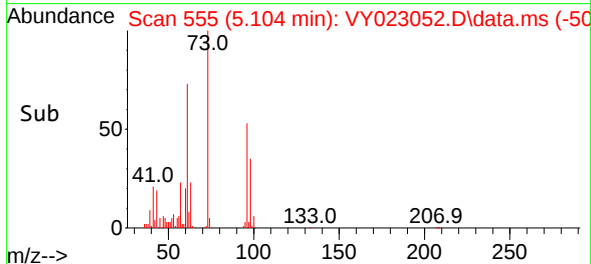


#21
trans-1,2-Dichloroethene
Concen: 20.661 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

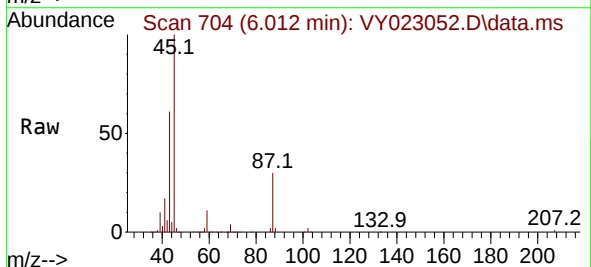
Instrument :
MSVOA_Y
ClientSampleId :



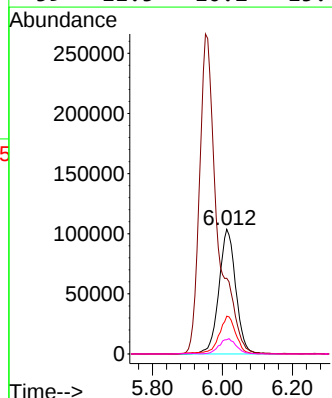
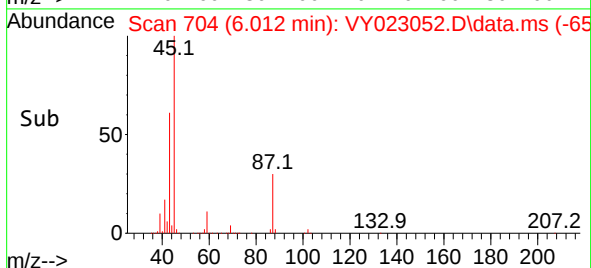
Tgt Ion: 96 Resp: 120321
Ion Ratio Lower Upper
96 100
61 137.0 104.8 157.2
98 64.7 50.1 75.1

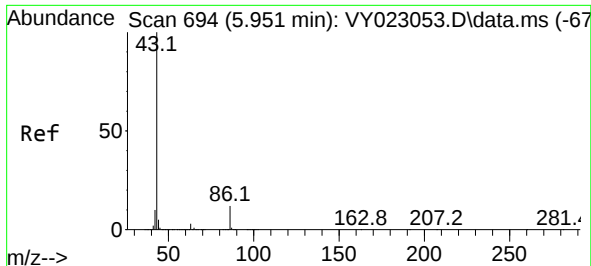


#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40



Tgt Ion: 45 Resp: 346195
Ion Ratio Lower Upper
45 100
43 60.5 43.4 65.0
87 30.3 24.4 36.6
59 11.5 10.2 15.4

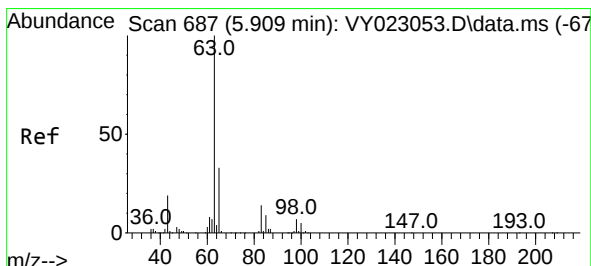
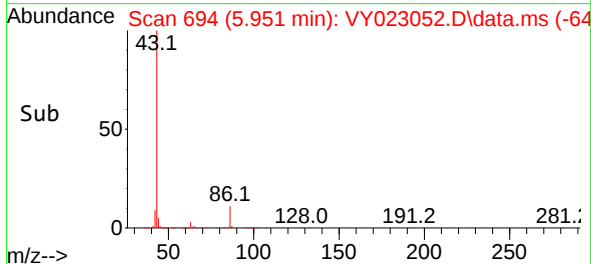
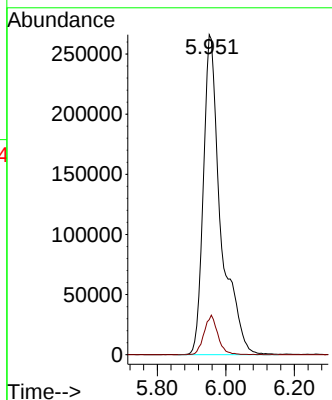
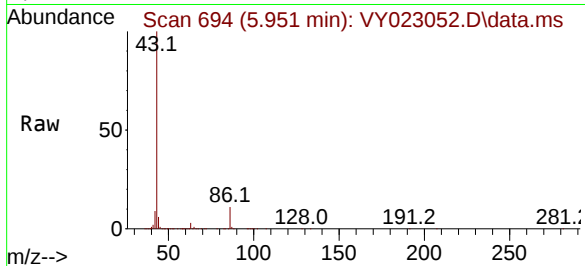




#23
 Vinyl Acetate
 Concen: 102.748 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

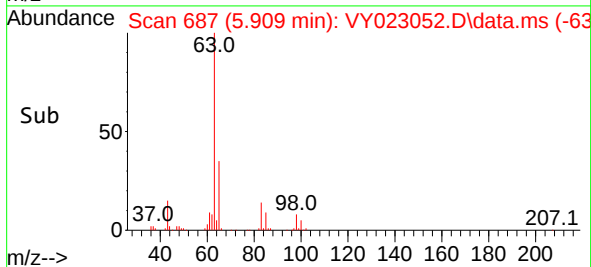
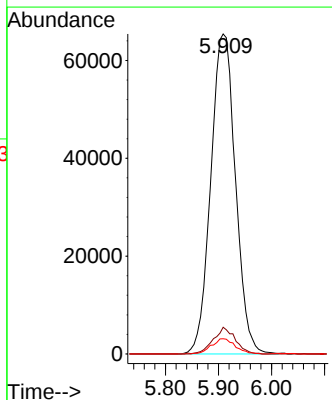
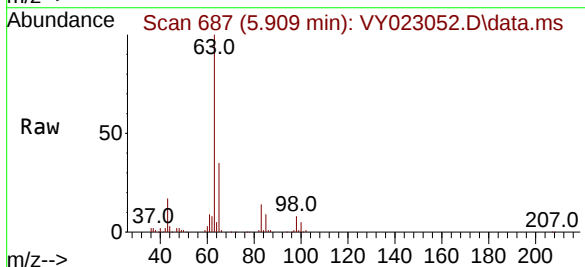
Instrument :
 MSVOA_Y
 ClientSampleId :

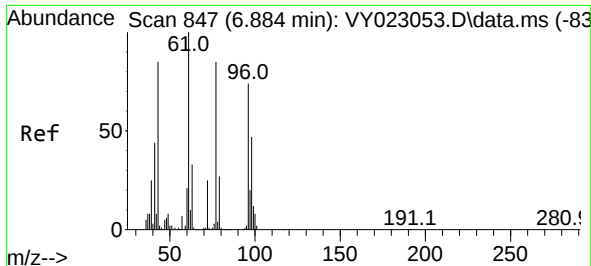
Tgt Ion: 43 Resp: 941364
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 20.884 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 63 Resp: 211558
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.5 10.6
 100 4.8 2.4 7.1

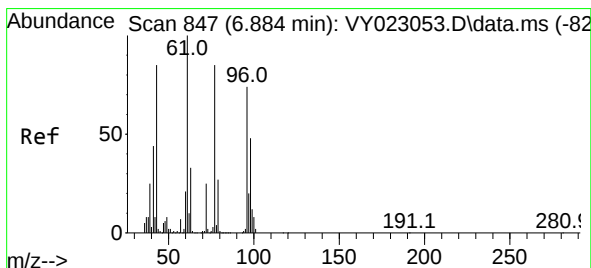
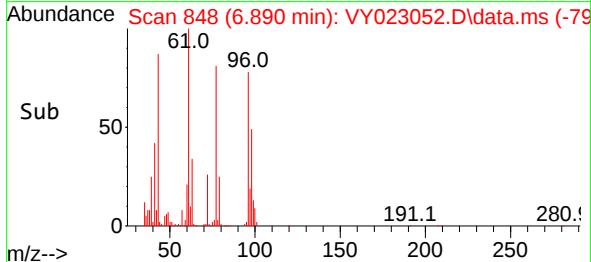
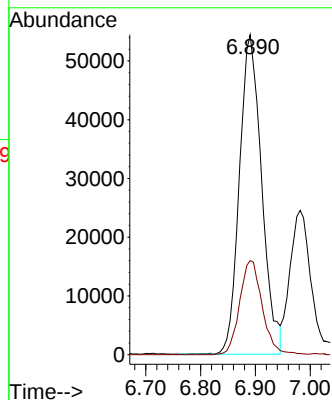
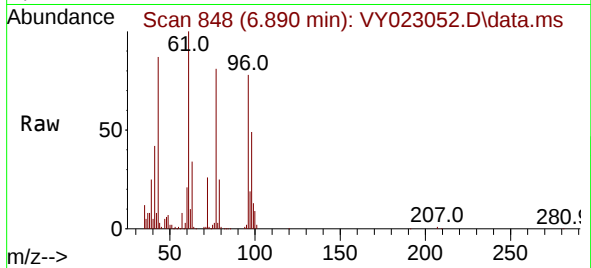




#25
2-Butanone
Concen: 101.559 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

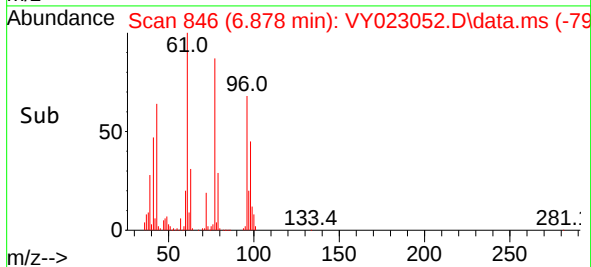
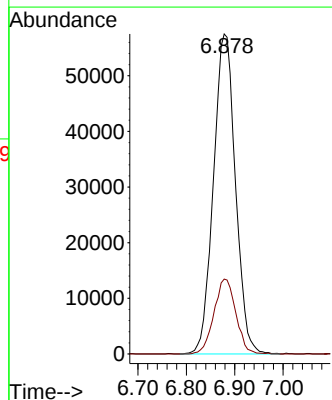
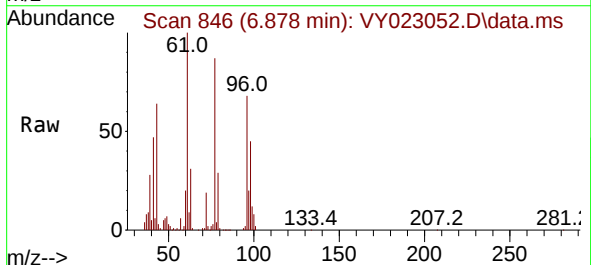
Instrument :
MSVOA_Y
ClientSampleId :

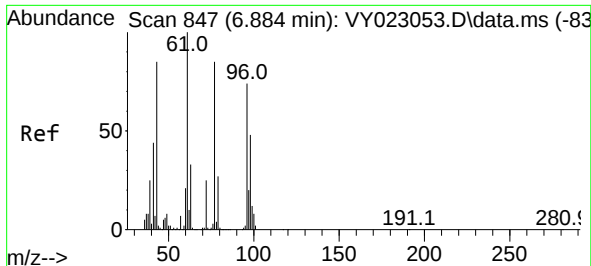
Tgt Ion: 43 Resp: 153363
Ion Ratio Lower Upper
43 100
72 29.5 23.5 35.3



#26
2,2-Dichloropropane
Concen: 20.767 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 77 Resp: 181528
Ion Ratio Lower Upper
77 100
97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.613 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

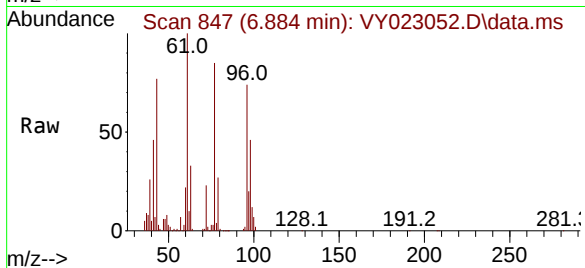
Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :



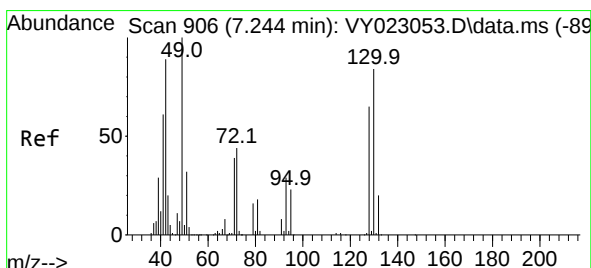
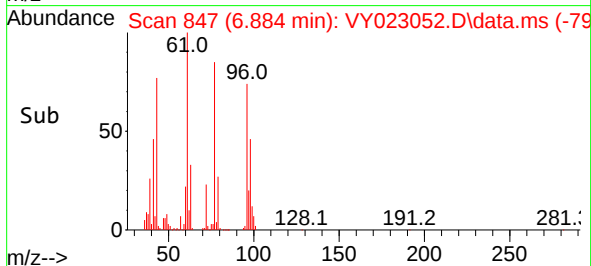
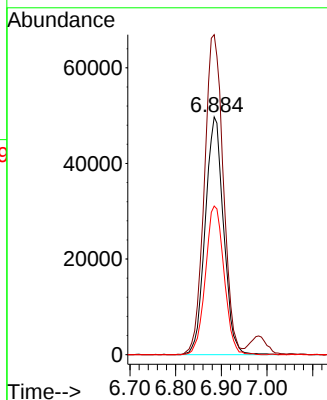
Tgt Ion: 96 Resp: 138775

Ion Ratio Lower Upper

96 100

61 138.7 0.0 278.6

98 63.4 0.0 130.4



#28

Bromochloromethane

Concen: 21.035 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

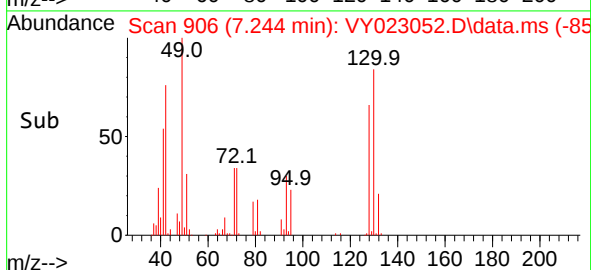
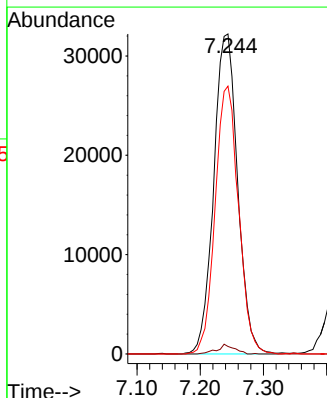
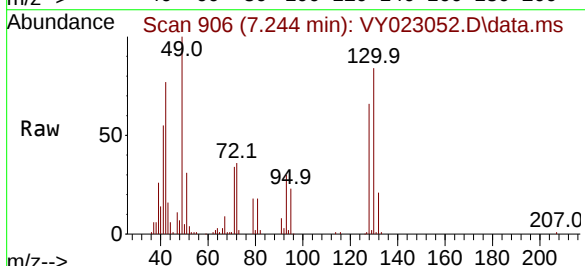
Tgt Ion: 49 Resp: 84540

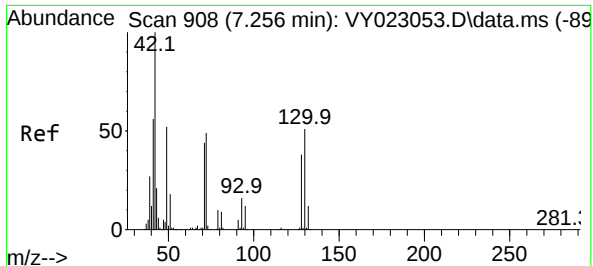
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 81.7 66.4 99.6





#29

Tetrahydrofuran

Concen: 102.341 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

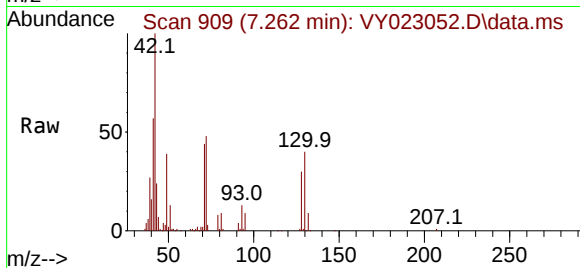
Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

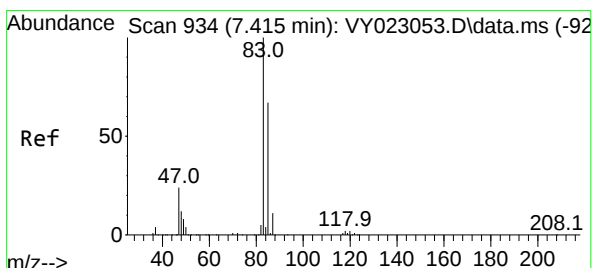
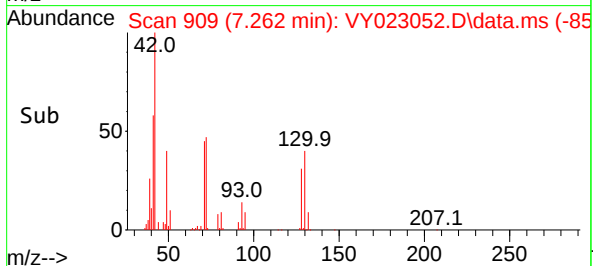
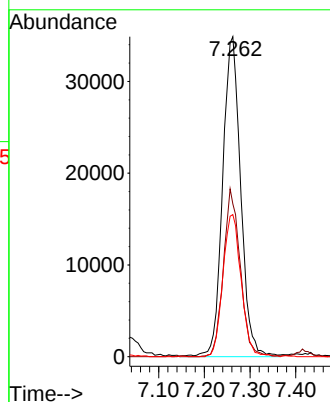
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	95795
Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.4	59.2
71	44.8	36.5	54.7



#30

Chloroform

Concen: 20.635 ug/l

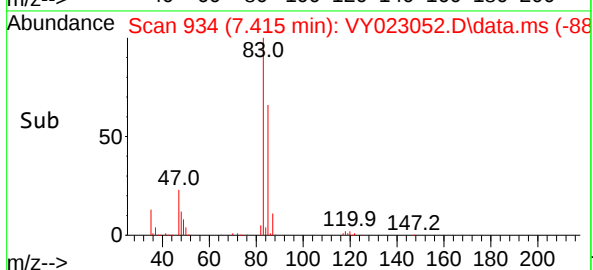
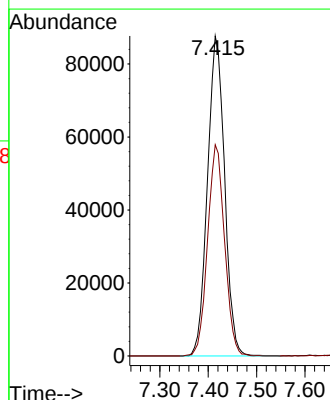
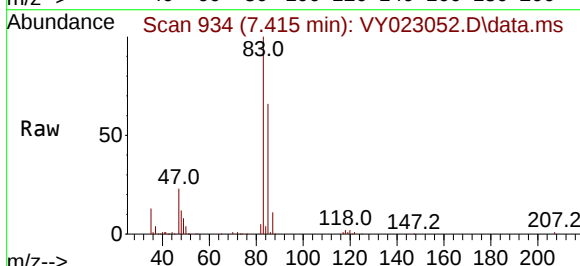
RT: 7.415 min Scan# 934

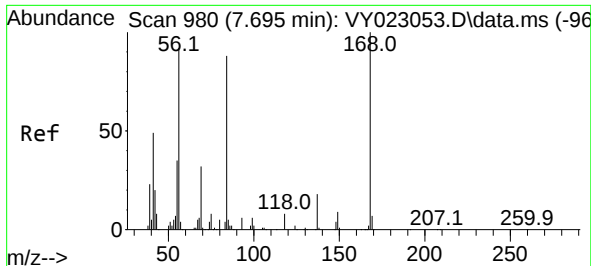
Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:	83	Resp:	215585
Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.8	80.8

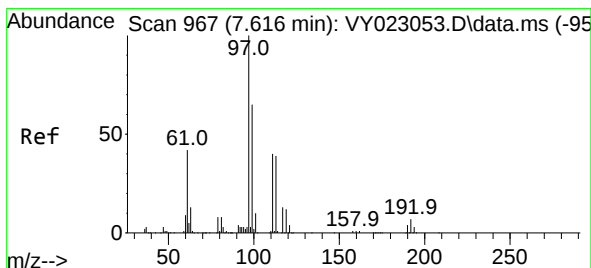
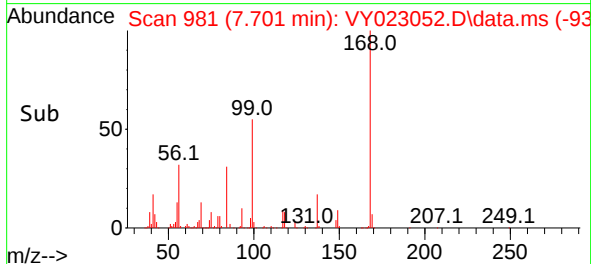
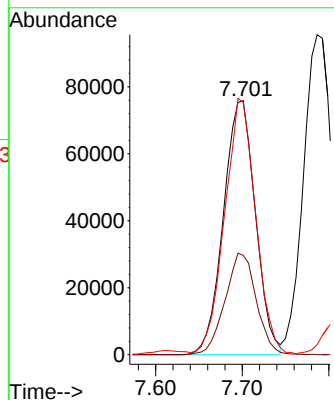
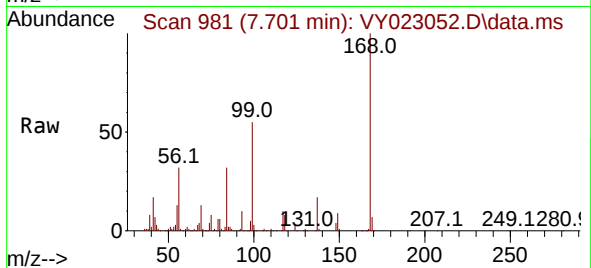




#31
Cyclohexane
Concen: 20.393 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

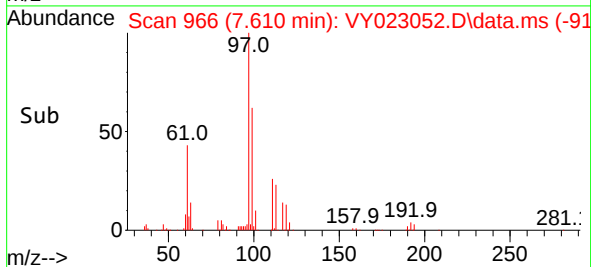
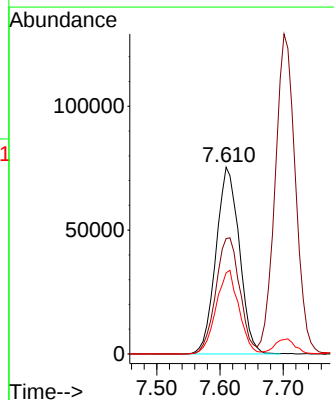
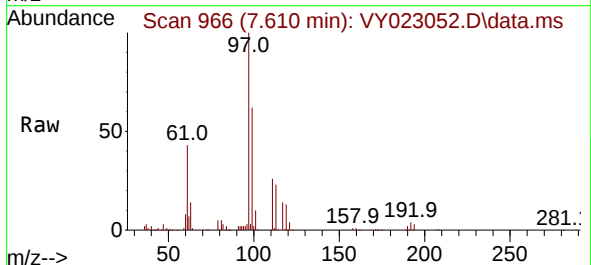
Instrument :
MSVOA_Y
ClientSampleId :

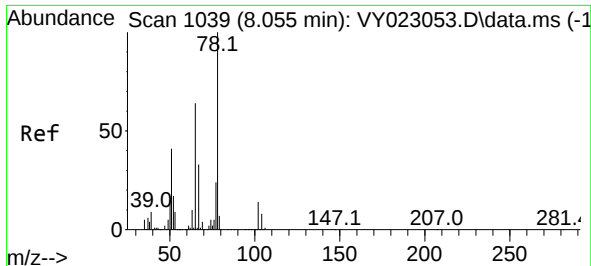
Tgt Ion: 56 Resp: 194671
Ion Ratio Lower Upper
56 100
69 39.1 28.2 42.2
84 98.0 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.848 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 97 Resp: 193268
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 20.244 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

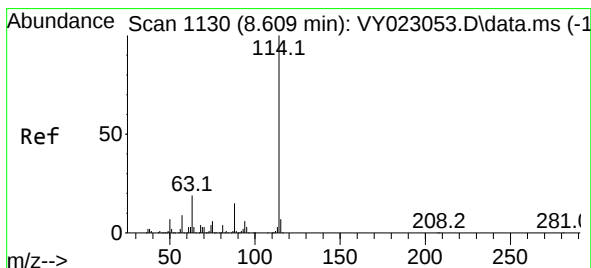
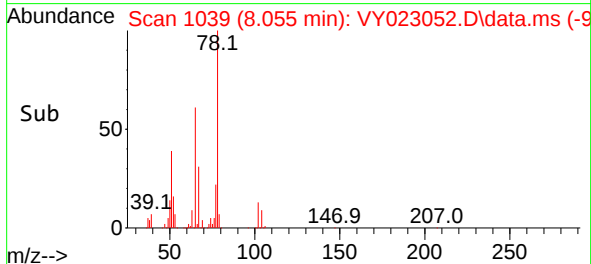
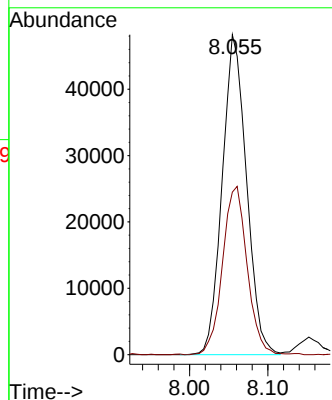
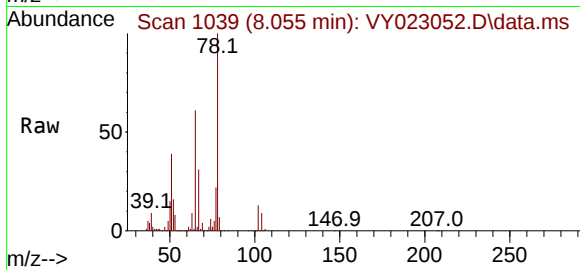
ClientSampleId :

Tgt Ion: 65 Resp: 103755

Ion Ratio Lower Upper

65 100

67 53.4 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: VY023052.D

Acq: 12 Aug 2025 15:40

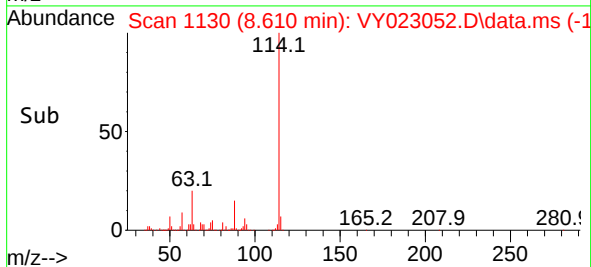
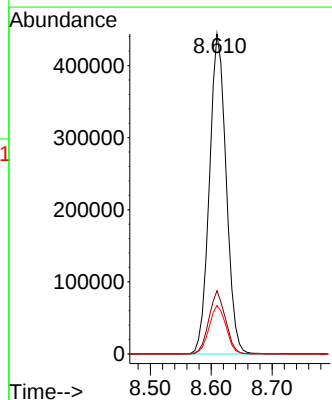
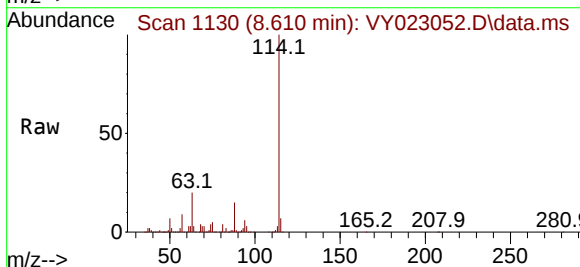
Tgt Ion: 114 Resp: 848953

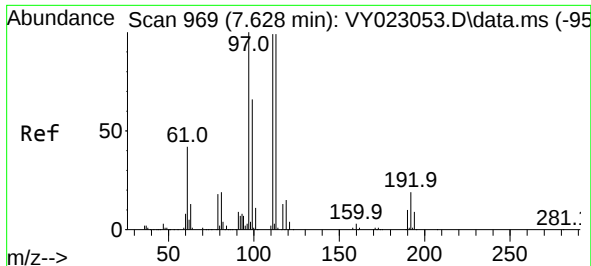
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 20.093 ug/l

RT: 7.628 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

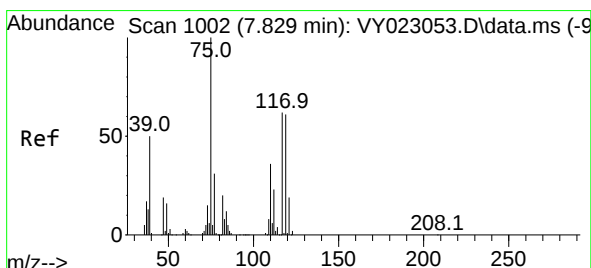
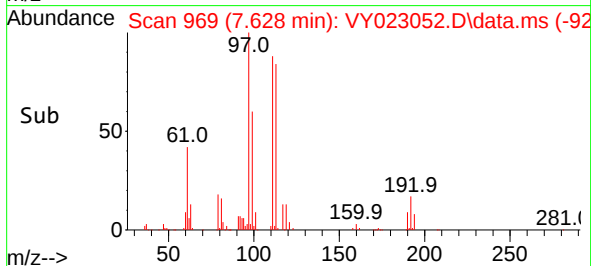
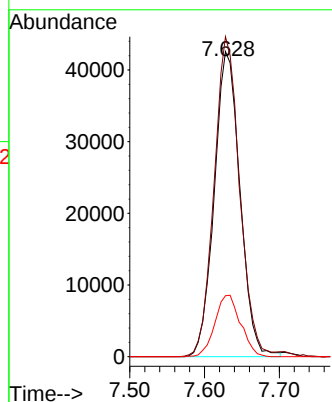
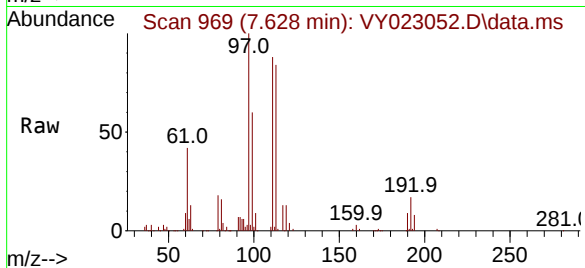
Tgt Ion:113 Resp: 102068

Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 20.1 16.2 24.4



#36

1,1-Dichloropropene

Concen: 20.746 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

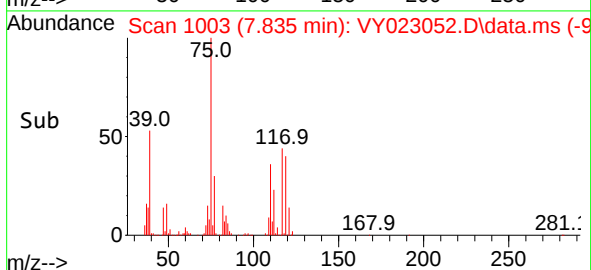
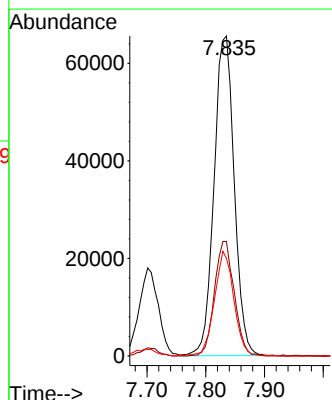
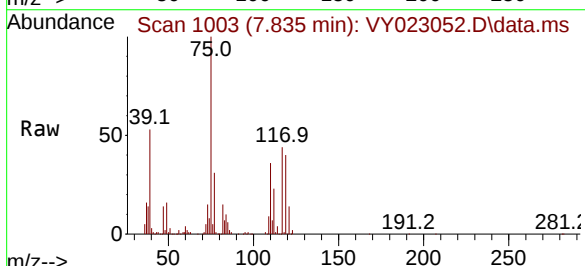
Tgt Ion: 75 Resp: 156617

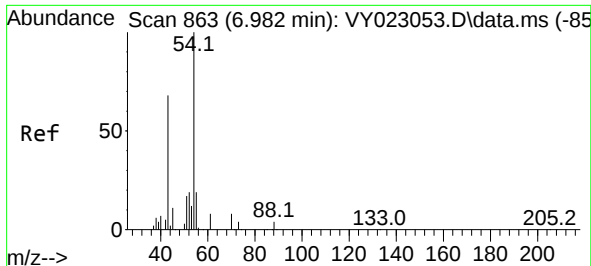
Ion Ratio Lower Upper

75 100

110 35.1 18.1 54.4

77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 20.944 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

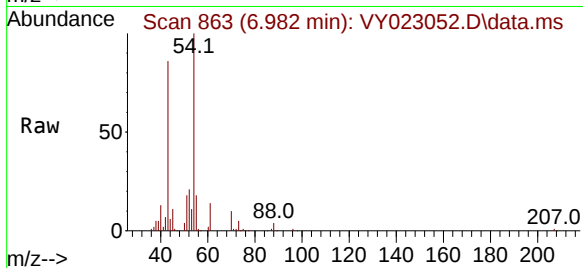
Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :



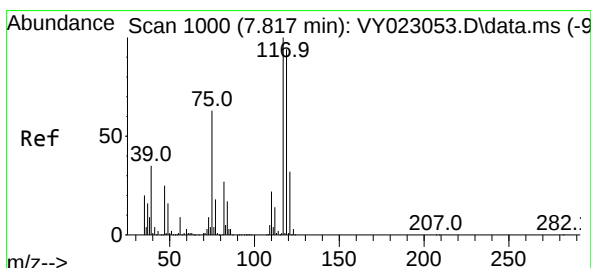
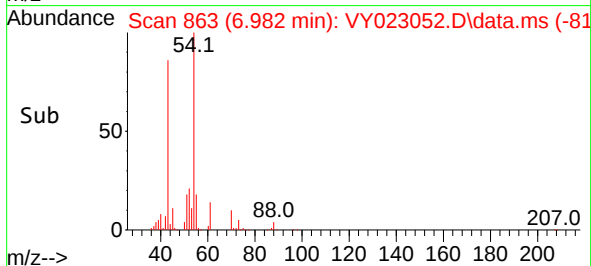
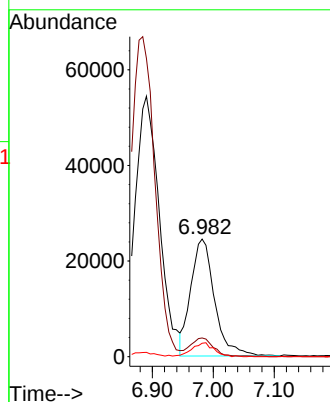
Tgt Ion: 43 Resp: 66420

Ion Ratio Lower Upper

43 100

61 14.8 11.9 17.9

70 11.0 8.8 13.2



#38

Carbon Tetrachloride

Concen: 20.897 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

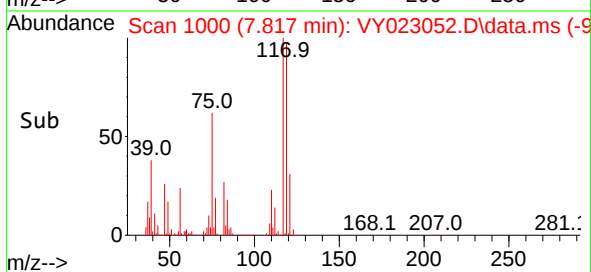
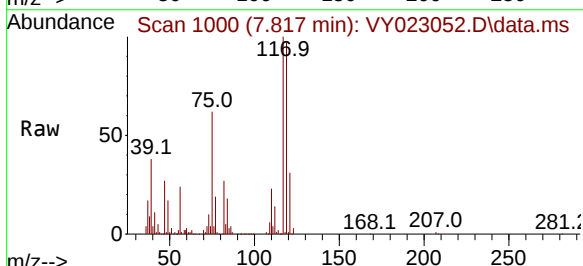
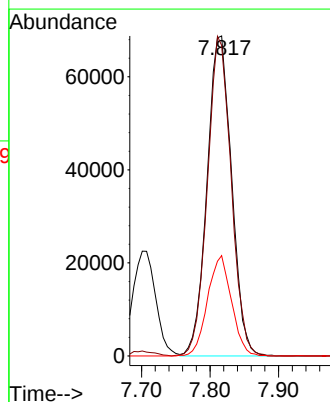
Tgt Ion: 117 Resp: 171344

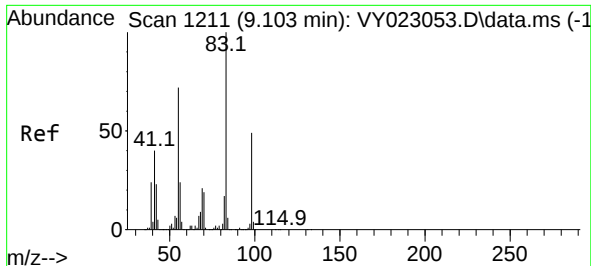
Ion Ratio Lower Upper

117 100

119 97.0 75.6 113.4

121 31.3 25.8 38.8





#39

Methylcyclohexane

Concen: 20.680 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

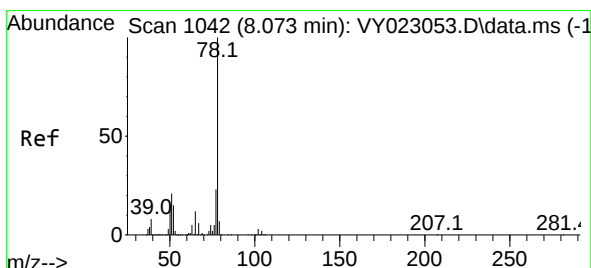
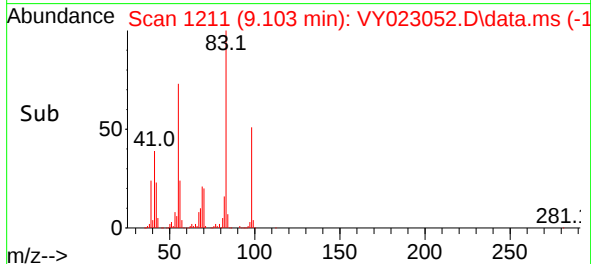
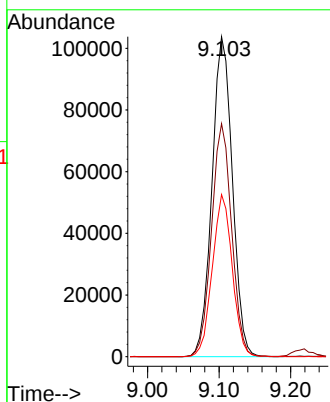
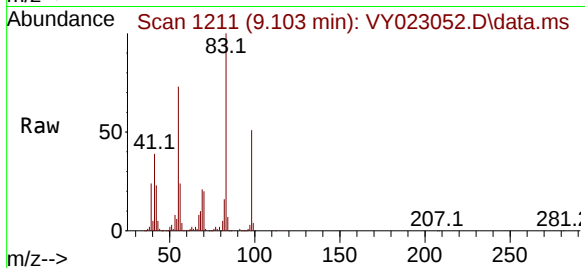
Tgt Ion: 83 Resp: 205594

Ion Ratio Lower Upper

83 100

55 72.8 57.6 86.4

98 50.7 39.2 58.8



#40

Benzene

Concen: 20.871 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023052.D

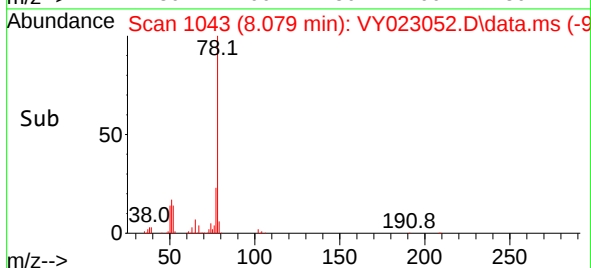
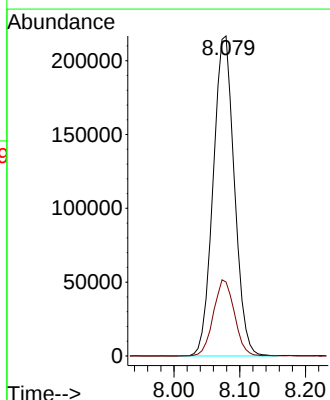
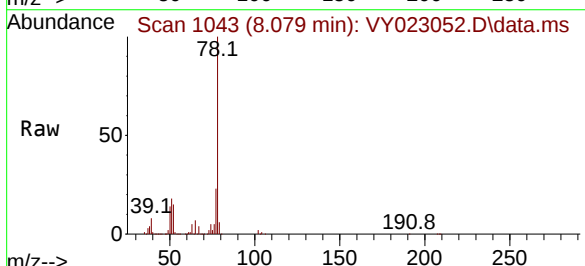
Acq: 12 Aug 2025 15:40

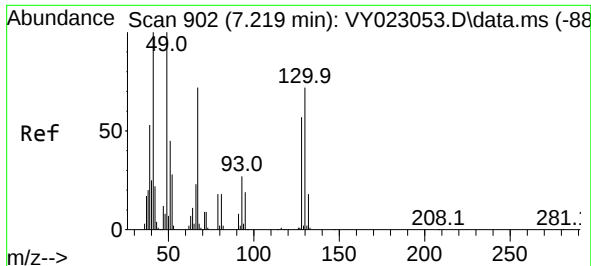
Tgt Ion: 78 Resp: 485631

Ion Ratio Lower Upper

78 100

77 23.1 18.6 28.0

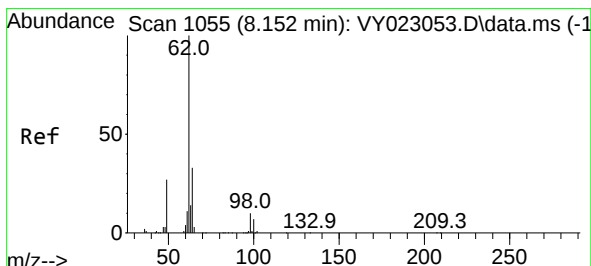
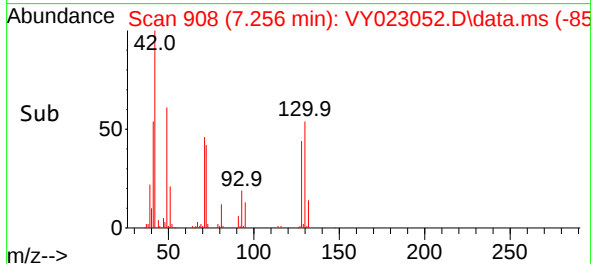
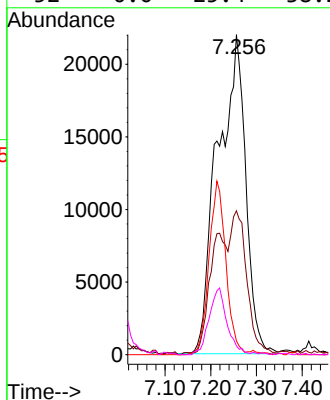
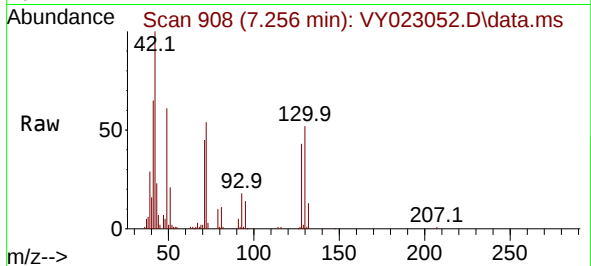




#41
Methacrylonitrile
Concen: 50.787 ug/l
RT: 7.256 min Scan# 90
Delta R.T. 0.037 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

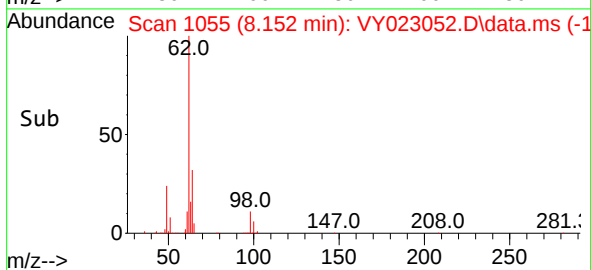
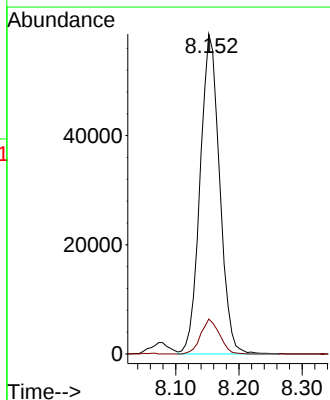
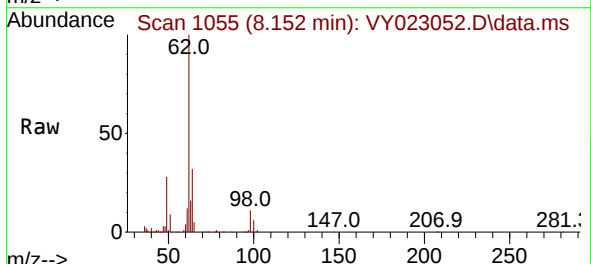
Instrument :
MSVOA_Y
ClientSampleId :

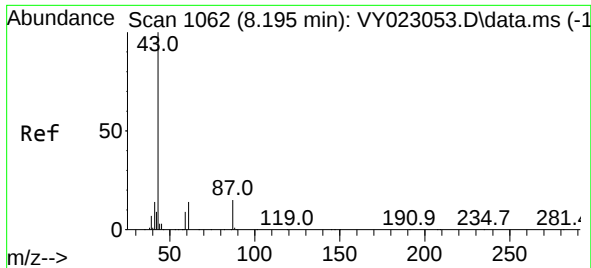
Tgt Ion: 41 Resp: 93052
Ion Ratio Lower Upper
41 100
39 25.3 43.4 65.2#
67 0.0 63.6 95.4#
52 0.0 25.4 38.2#



#42
1,2-Dichloroethane
Concen: 20.839 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 62 Resp: 126111
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6

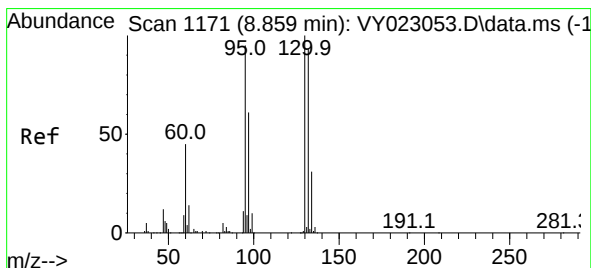
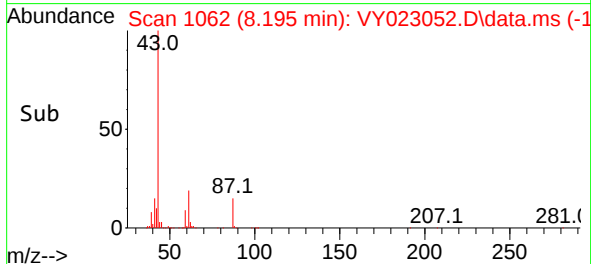
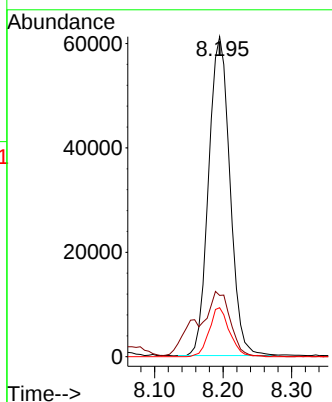
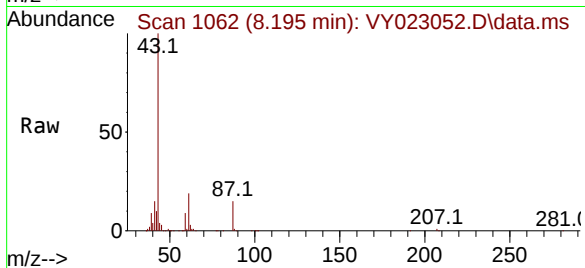




#43
Isopropyl Acetate
Concen: 20.571 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

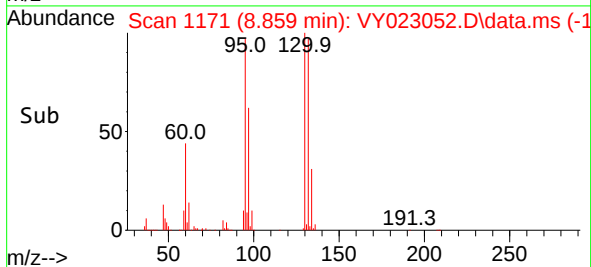
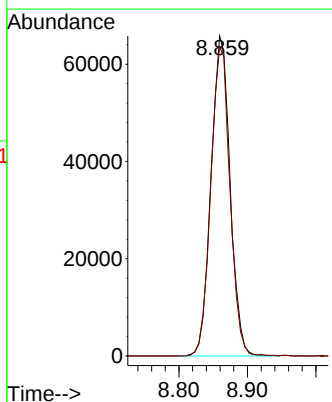
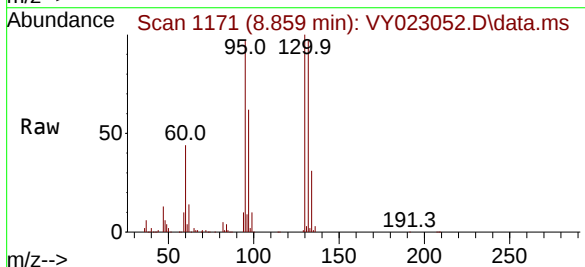
Instrument :
MSVOA_Y
ClientSampleId :

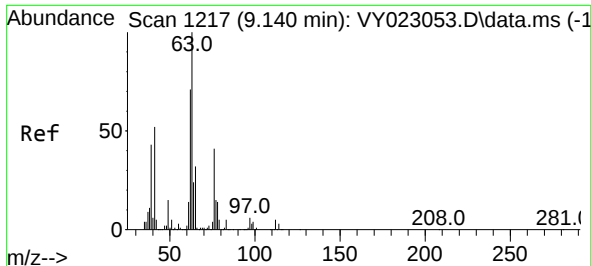
Tgt Ion: 43 Resp: 131854
Ion Ratio Lower Upper
43 100
61 22.2 16.4 24.6
87 14.7 11.8 17.6



#44
Trichloroethene
Concen: 21.083 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:130 Resp: 126772
Ion Ratio Lower Upper
130 100
95 96.6 0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.677 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

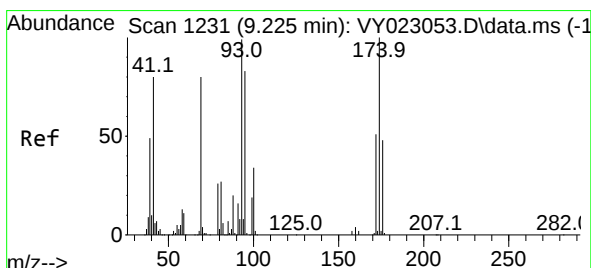
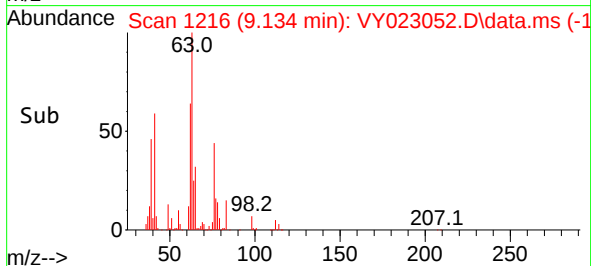
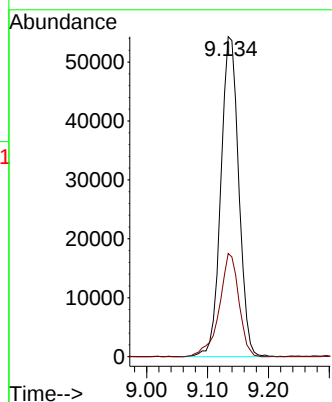
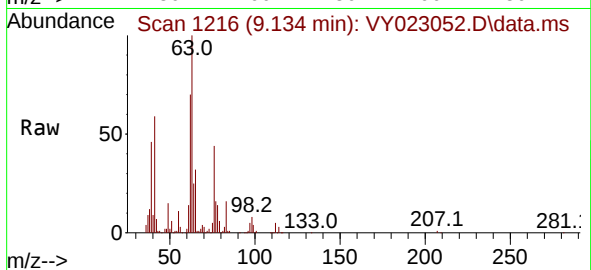
ClientSampleId :

Tgt Ion: 63 Resp: 110699

Ion Ratio Lower Upper

63 100

65 32.2 25.3 37.9



#46

Dibromomethane

Concen: 20.635 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

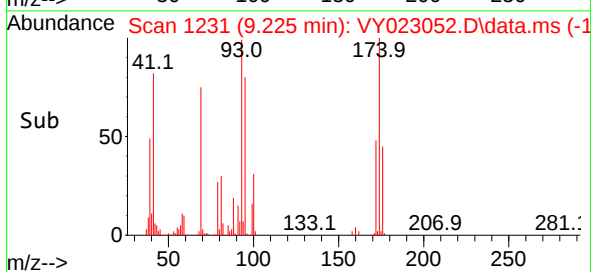
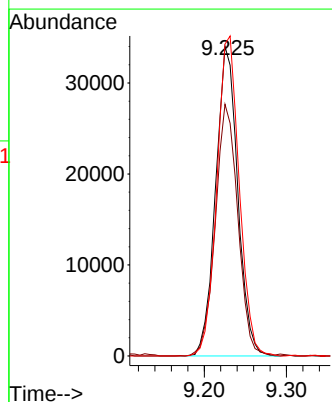
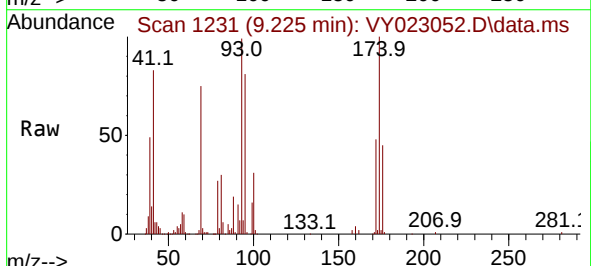
Tgt Ion: 93 Resp: 63410

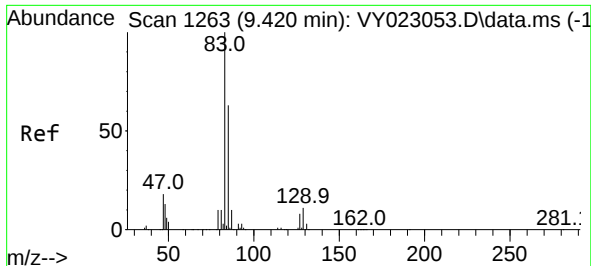
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 105.0 81.8 122.8

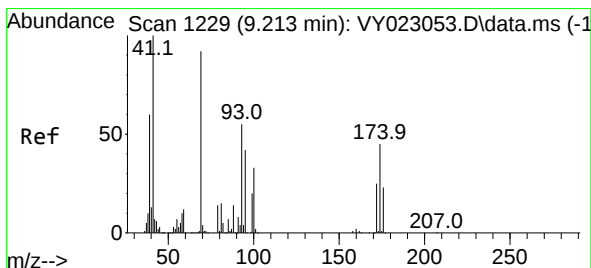
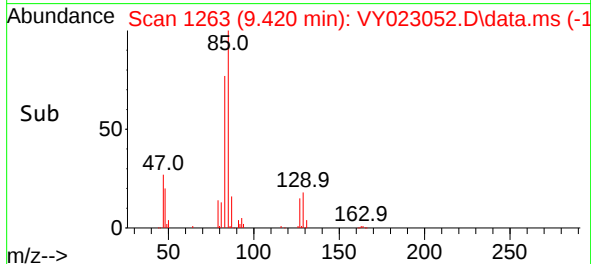
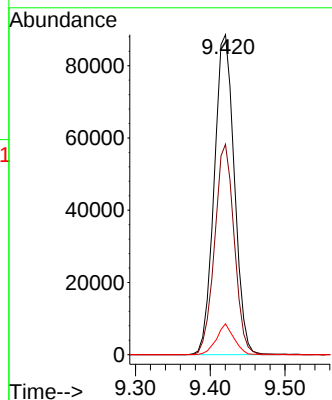
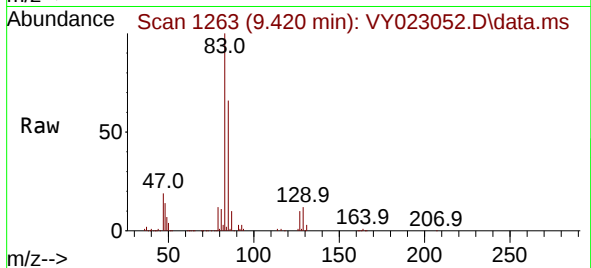




#47
Bromodichloromethane
Concen: 20.988 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

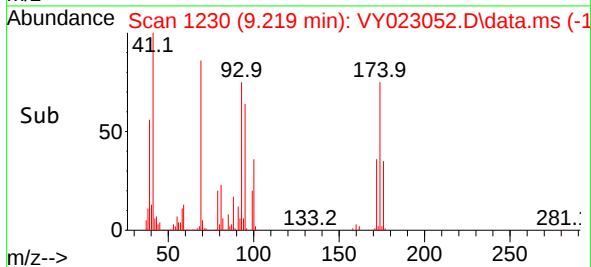
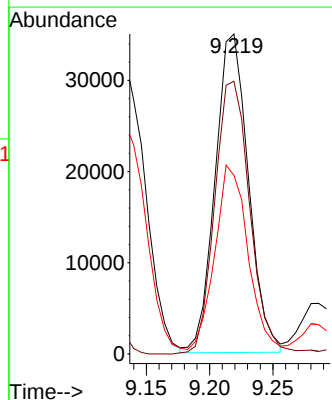
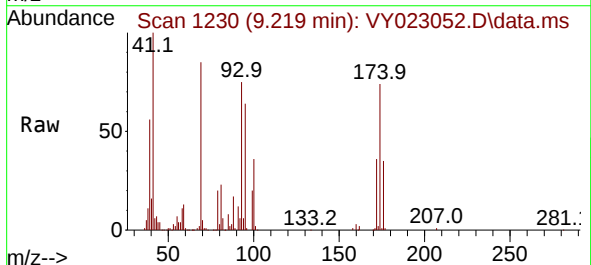
Instrument :
MSVOA_Y
ClientSampleId :

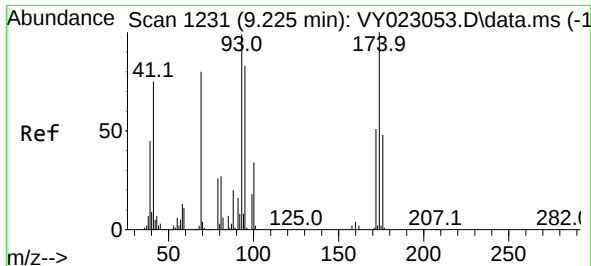
Tgt Ion: 83 Resp: 165954
Ion Ratio Lower Upper
83 100
85 65.8 50.2 75.4
127 9.6 6.6 10.0



#48
Methyl methacrylate
Concen: 20.905 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 41 Resp: 64120
Ion Ratio Lower Upper
41 100
69 89.9 73.2 109.8
39 57.0 47.0 70.4





#49

1,4-Dioxane

Concen: 411.480 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

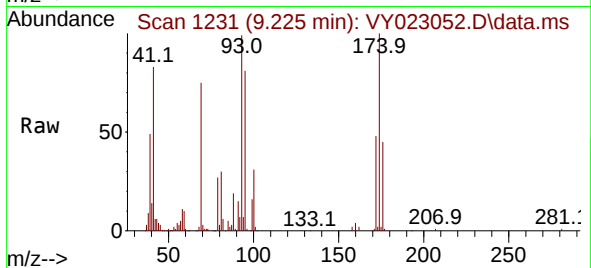
Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :



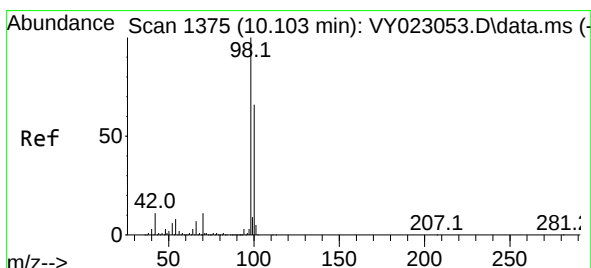
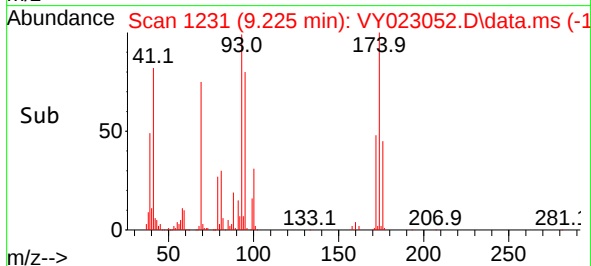
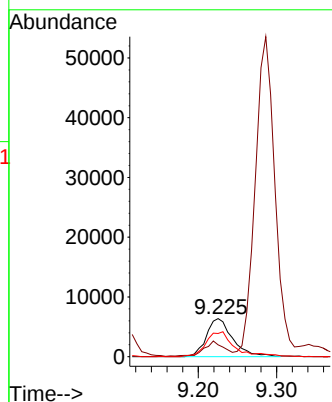
Tgt Ion: 88 Resp: 14826

Ion Ratio Lower Upper

88 100

43 29.7 24.3 36.5

58 71.4 55.4 83.0



#50

Toluene-d8

Concen: 20.075 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023052.D

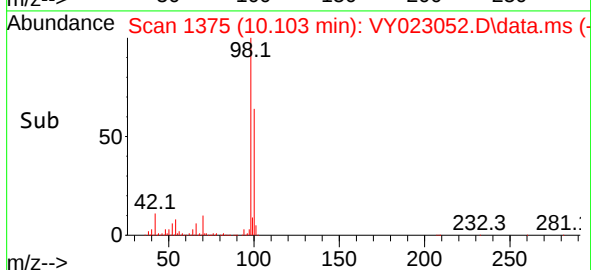
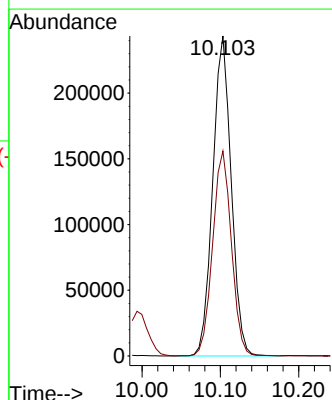
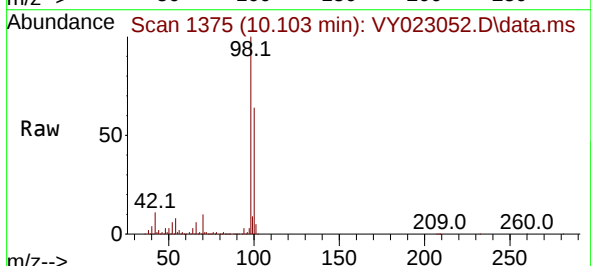
Acq: 12 Aug 2025 15:40

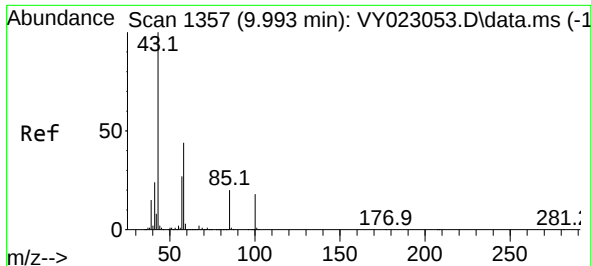
Tgt Ion: 98 Resp: 398394

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 102.622 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

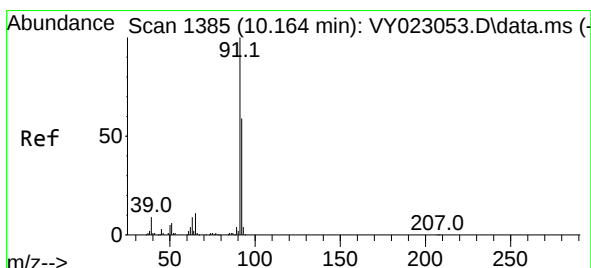
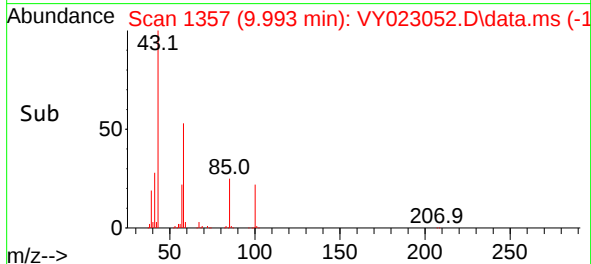
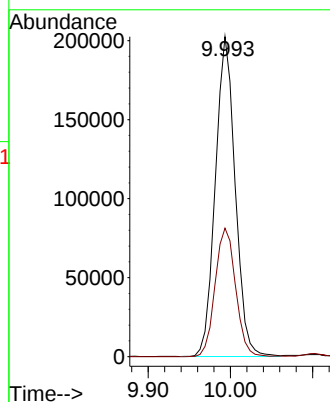
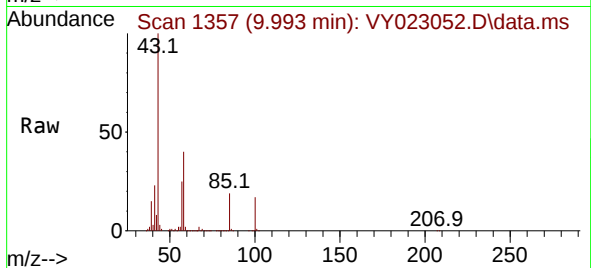
ClientSampleId :

Tgt Ion: 43 Resp: 339298

Ion Ratio Lower Upper

43 100

58 41.6 33.5 50.3



#52

Toluene

Concen: 20.719 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023052.D

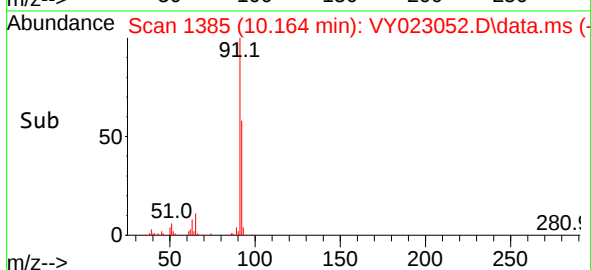
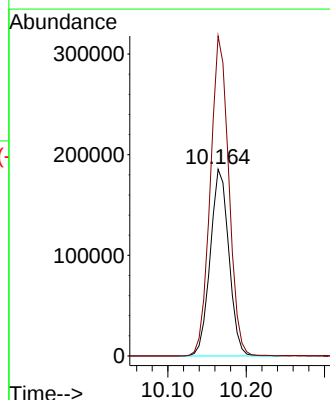
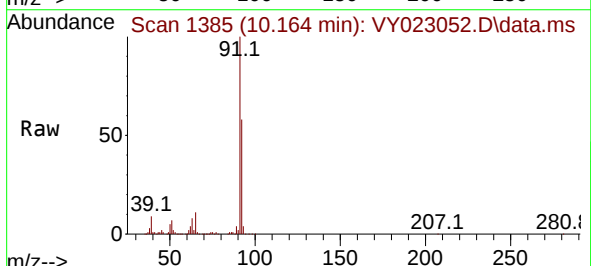
Acq: 12 Aug 2025 15:40

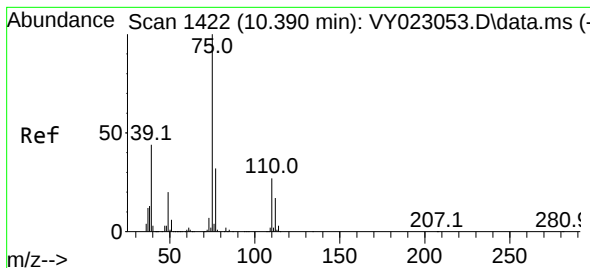
Tgt Ion: 92 Resp: 306193

Ion Ratio Lower Upper

92 100

91 170.2 136.4 204.6

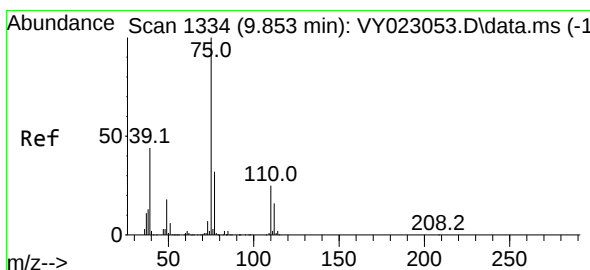
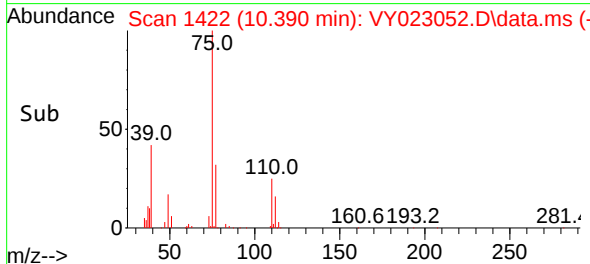
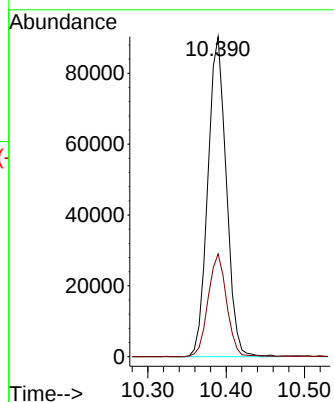
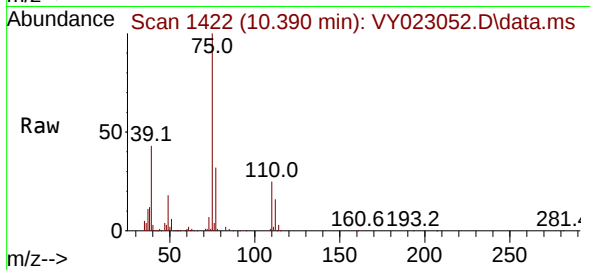




#53
 t-1,3-Dichloropropene
 Concen: 20.627 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

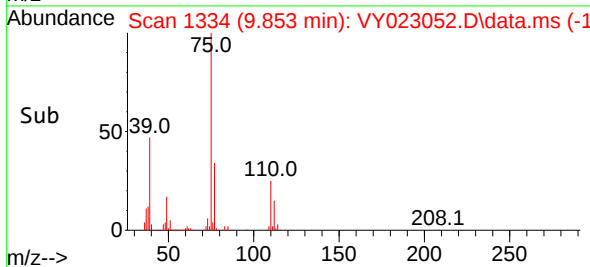
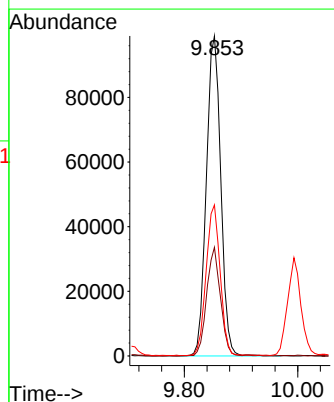
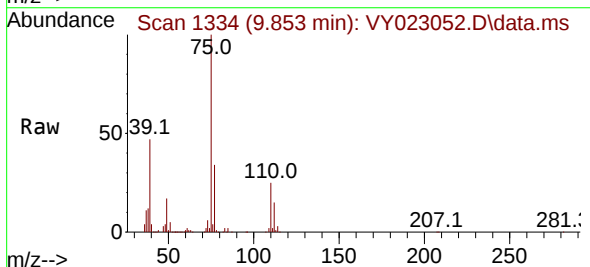
Instrument :
 MSVOA_Y
 ClientSampleId :

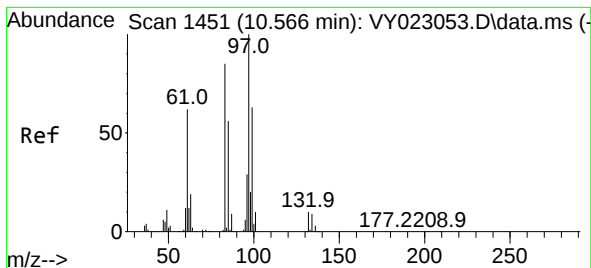
Tgt Ion: 75 Resp: 147696
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 20.580 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 174243
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.4 38.0
 39 47.1 35.6 53.4

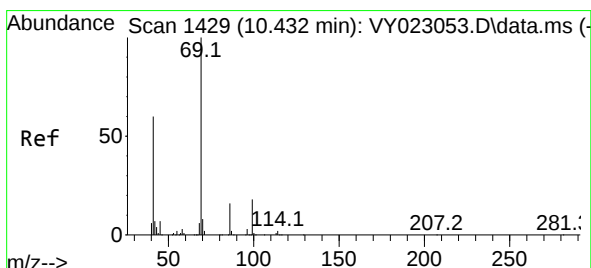
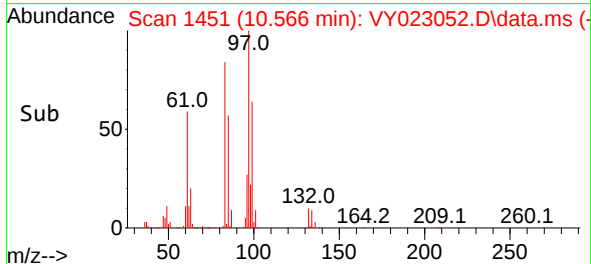
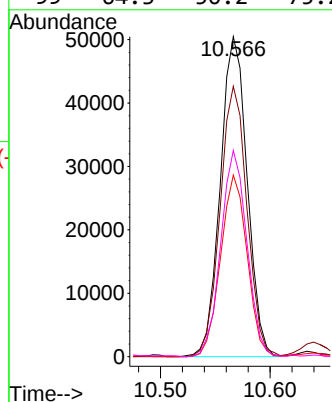
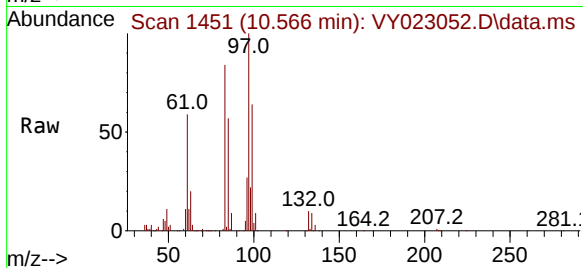




#55
 1,1,2-Trichloroethane
 Concen: 20.920 ug/l
 RT: 10.566 min Scan# 1451
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

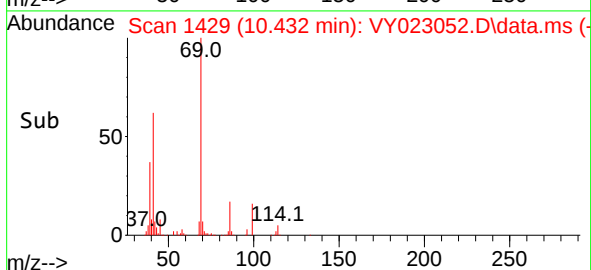
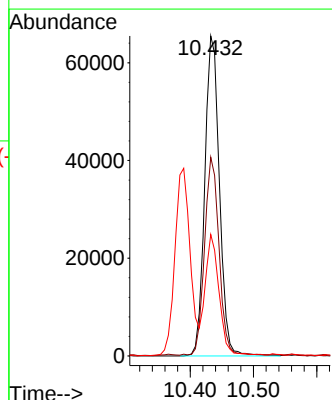
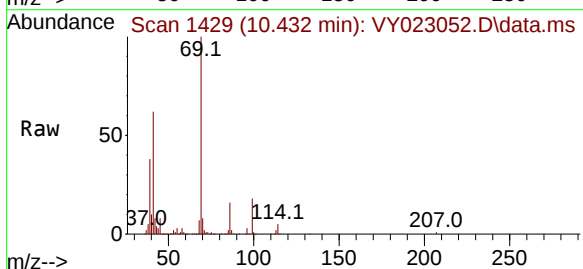
Instrument :
 MSVOA_Y
 ClientSampleId :

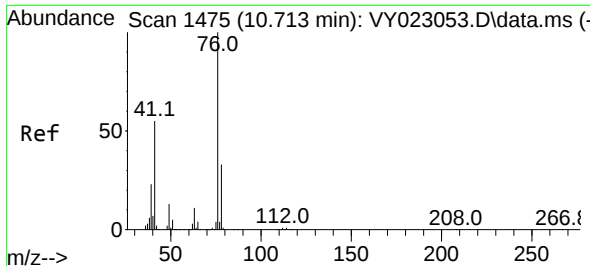
Tgt Ion:	97	Resp:	86022
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	56.7	44.5	66.7
99	64.3	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.111 ug/l
 RT: 10.432 min Scan# 1429
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion:	69	Resp:	105816
Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.6	72.8
39	34.7	27.0	40.4





#57

1,3-Dichloropropane

Concen: 20.882 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

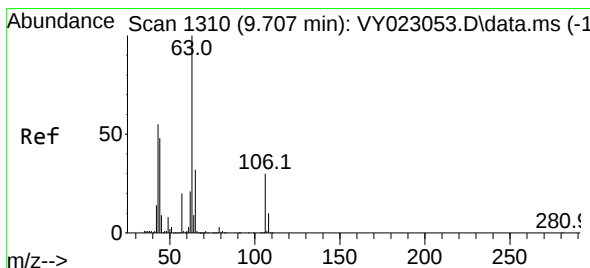
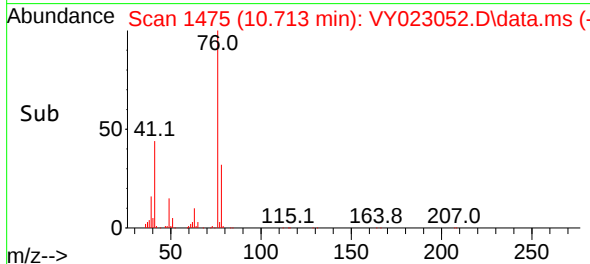
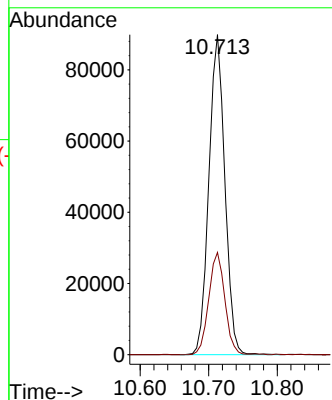
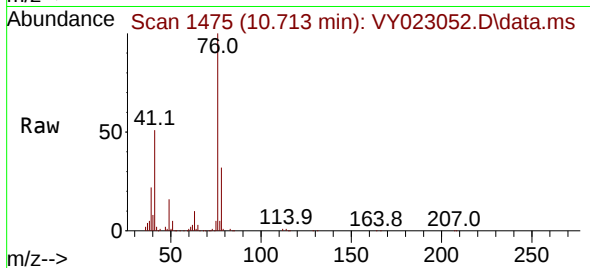
ClientSampleId :

Tgt Ion: 76 Resp: 145621

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.450 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023052.D

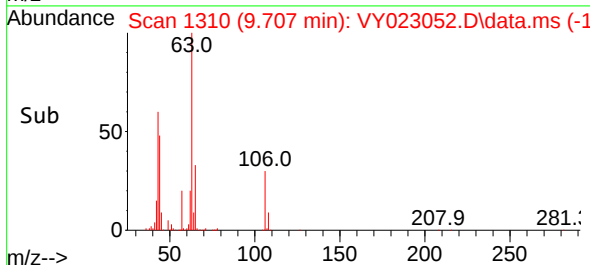
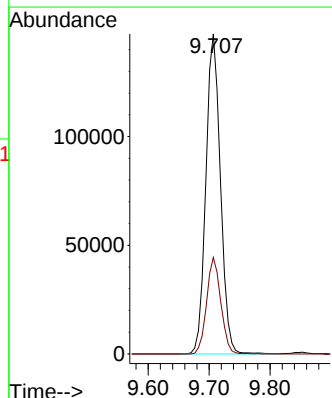
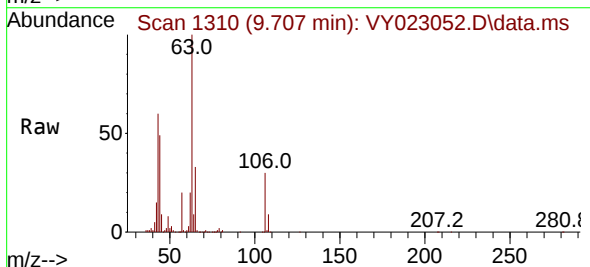
Acq: 12 Aug 2025 15:40

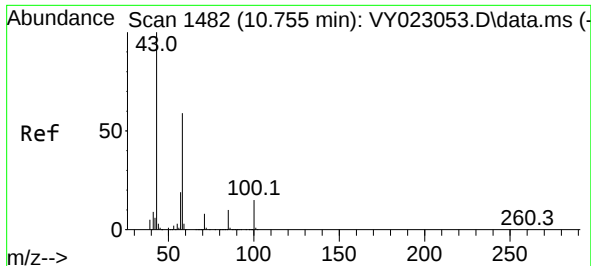
Tgt Ion: 63 Resp: 244340

Ion Ratio Lower Upper

63 100

106 29.3 23.2 34.8

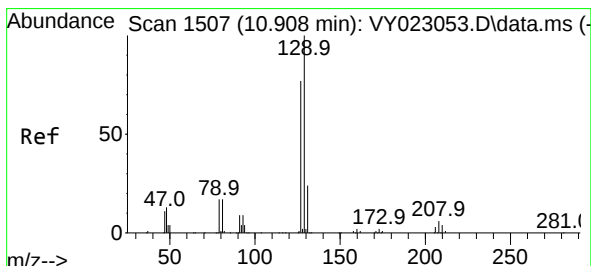
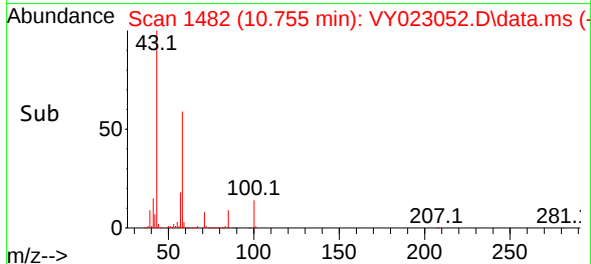
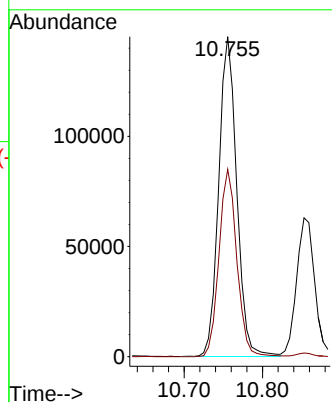
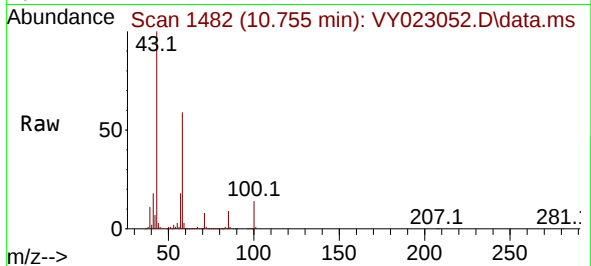




#59
2-Hexanone
Concen: 102.992 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

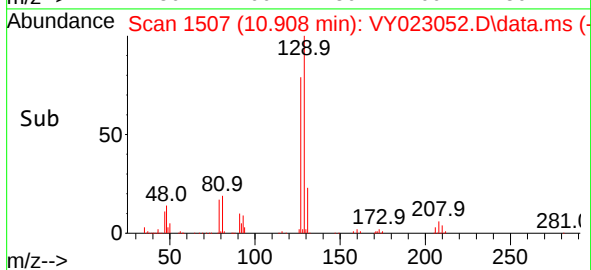
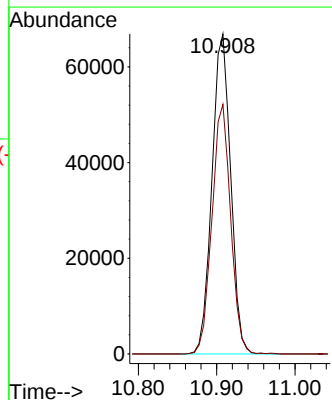
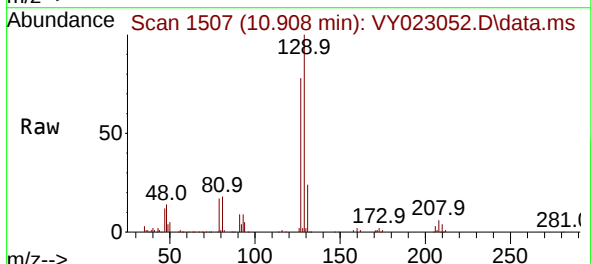
Instrument :
MSVOA_Y
ClientSampleId :

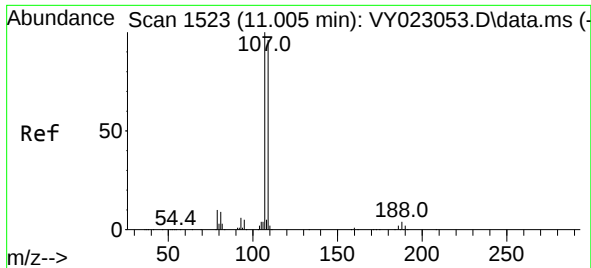
Tgt Ion: 43 Resp: 231872
Ion Ratio Lower Upper
43 100
58 58.1 29.5 88.5



#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 129 Resp: 110810
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

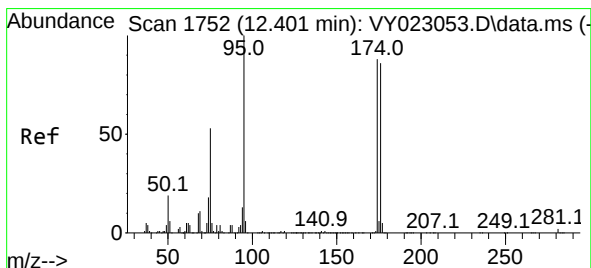
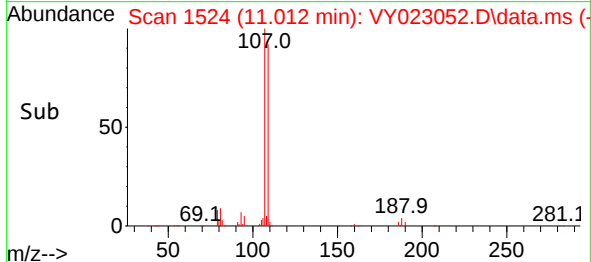
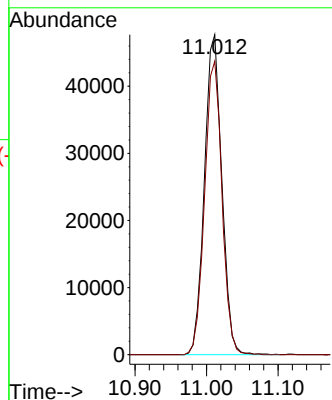
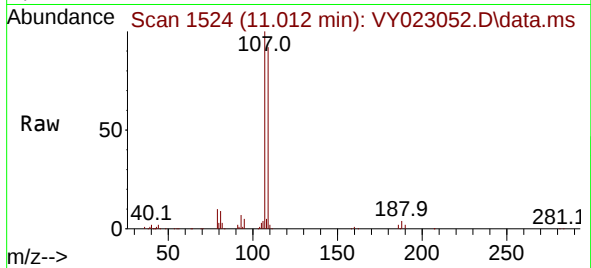




#61
1,2-Dibromoethane
Concen: 20.842 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

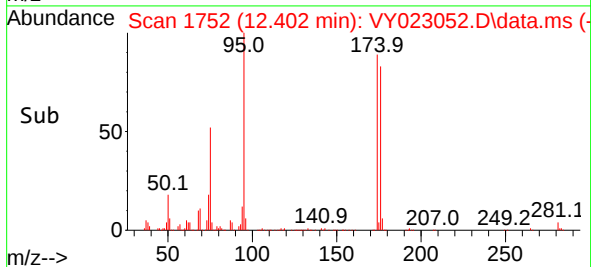
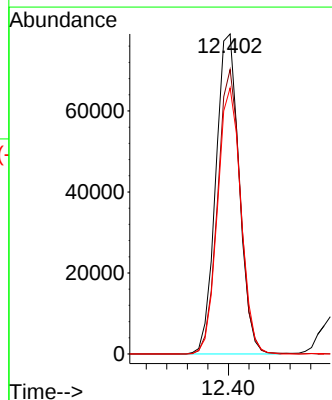
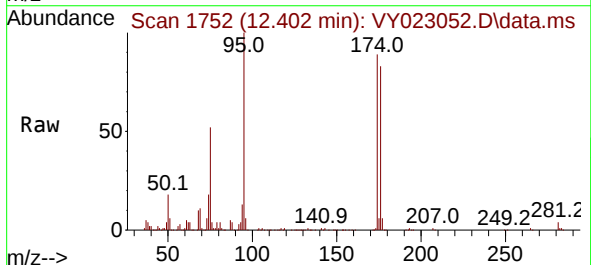
Instrument :
MSVOA_Y
ClientSampleId :

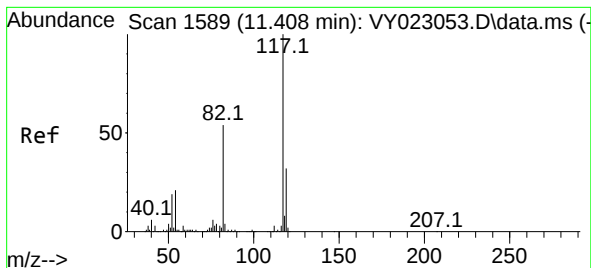
Tgt Ion:107 Resp: 80549
Ion Ratio Lower Upper
107 100
109 91.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 19.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 95 Resp: 124467
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 83.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

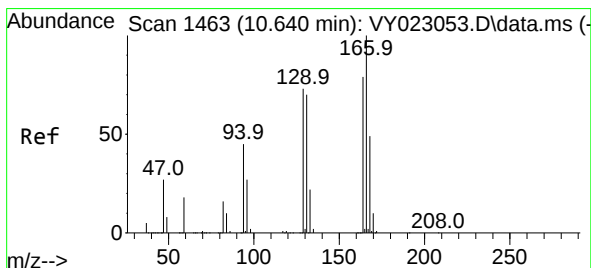
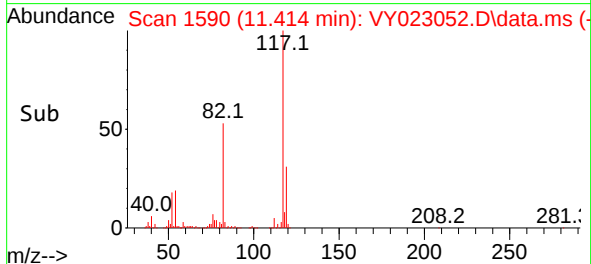
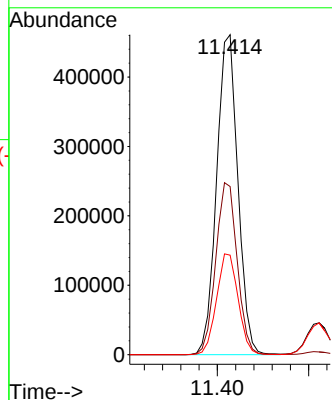
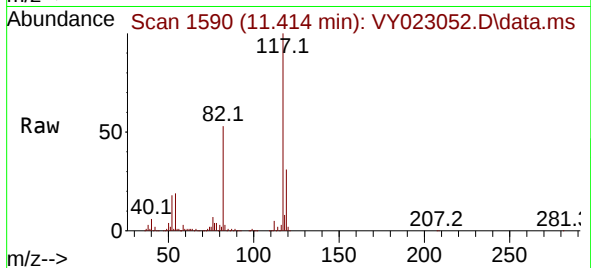
Tgt Ion:117 Resp: 745484

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.0

119 31.1 25.6 38.4



#64

Tetrachloroethene

Concen: 21.273 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:164 Resp: 141609

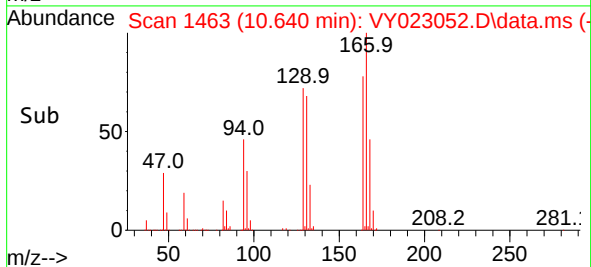
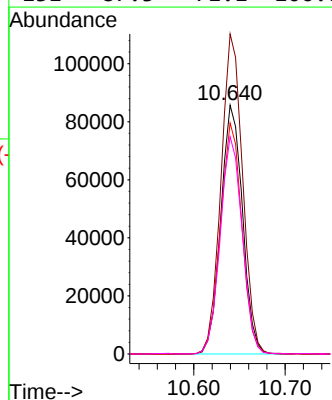
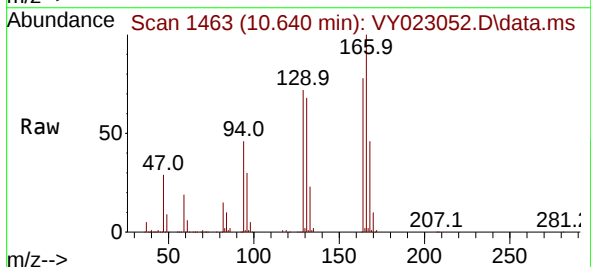
Ion Ratio Lower Upper

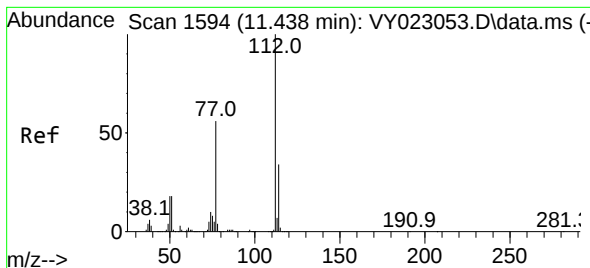
164 100

166 128.7 101.1 151.7

129 92.9 74.0 111.0

131 87.3 71.1 106.7





#65

Chlorobenzene

Concen: 20.690 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

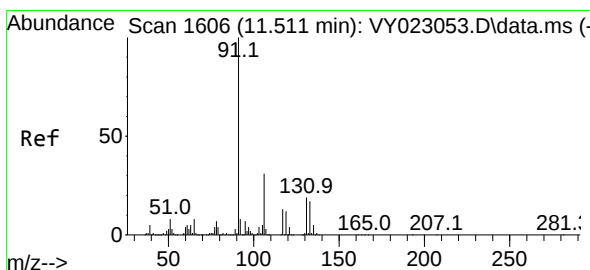
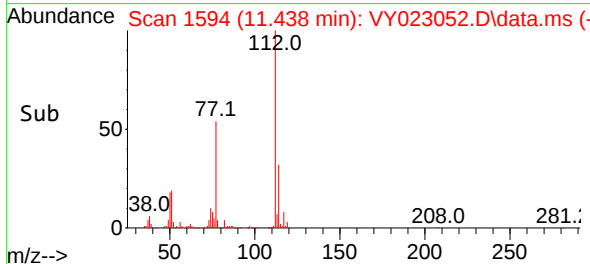
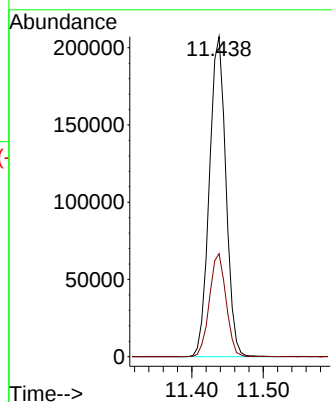
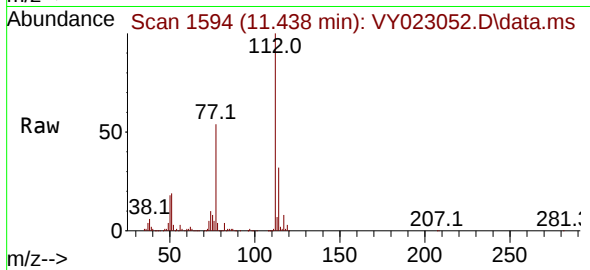
ClientSampleId :

Tgt Ion:112 Resp: 332700

Ion Ratio Lower Upper

112 100

114 32.2 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.647 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

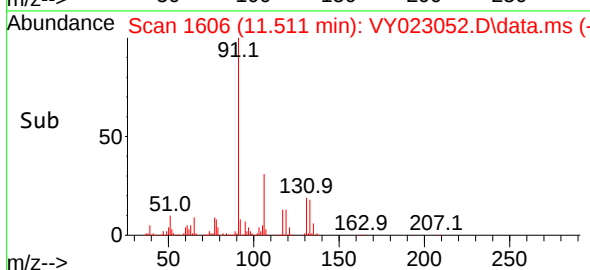
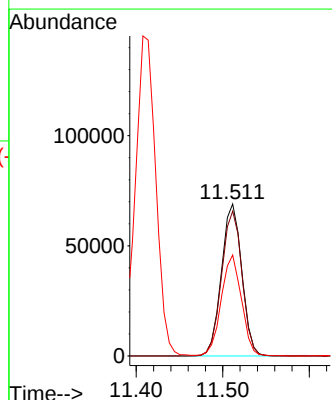
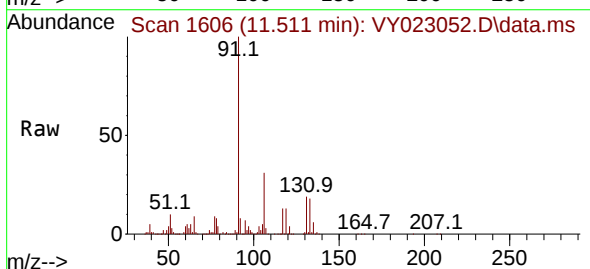
Tgt Ion:131 Resp: 112677

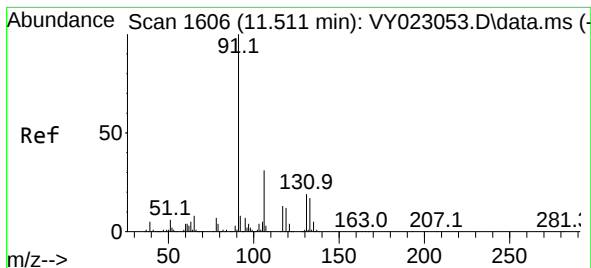
Ion Ratio Lower Upper

131 100

133 95.8 46.9 140.6

119 66.2 33.2 99.6





#67

Ethyl Benzene

Concen: 20.412 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

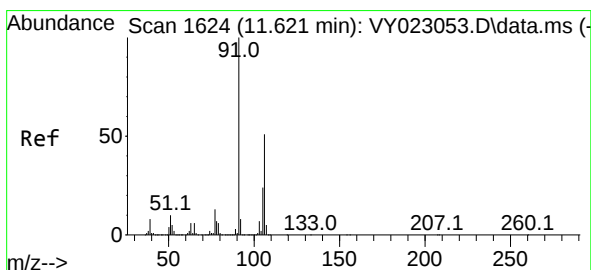
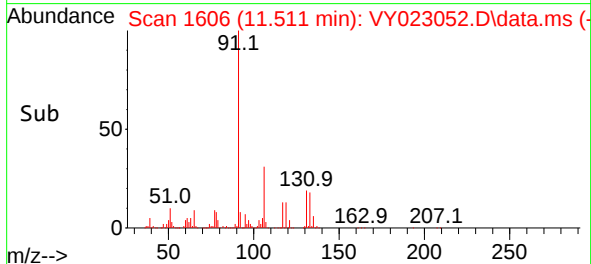
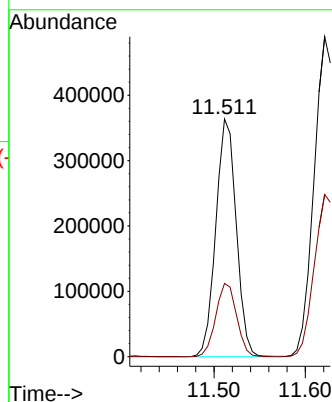
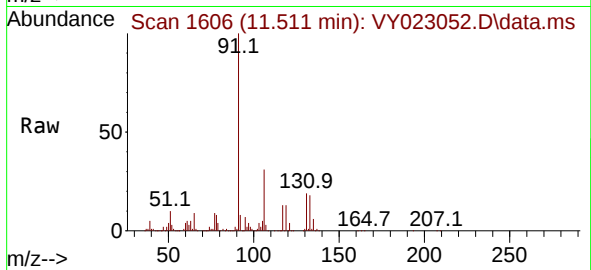
ClientSampleId :

Tgt Ion: 91 Resp: 564855

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.4



#68

m/p-Xylenes

Concen: 41.115 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023052.D

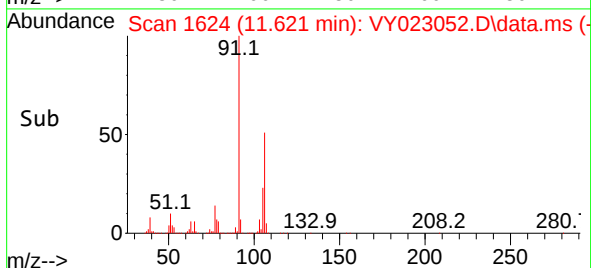
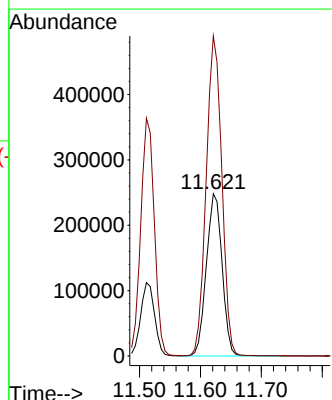
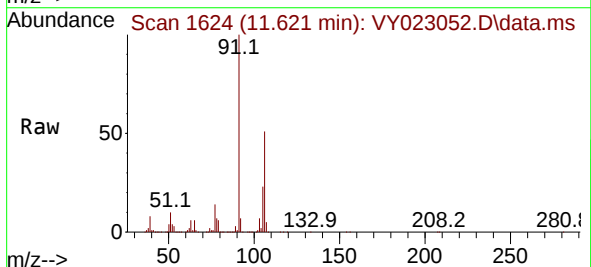
Acq: 12 Aug 2025 15:40

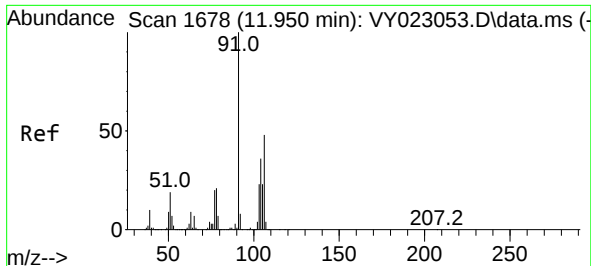
Tgt Ion:106 Resp: 444361

Ion Ratio Lower Upper

106 100

91 195.9 158.6 238.0

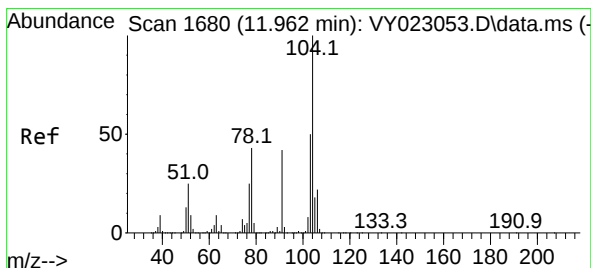
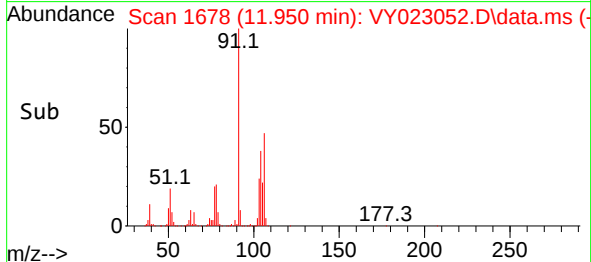
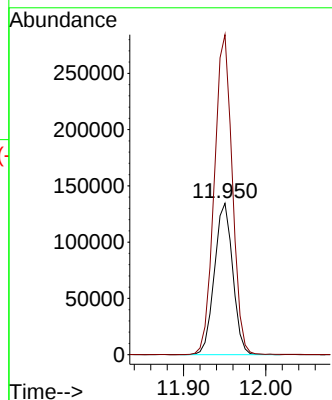
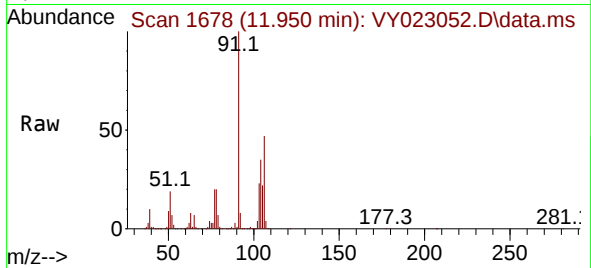




#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

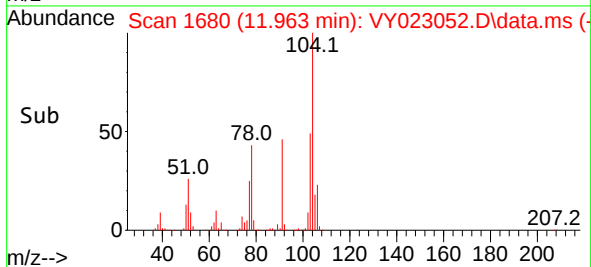
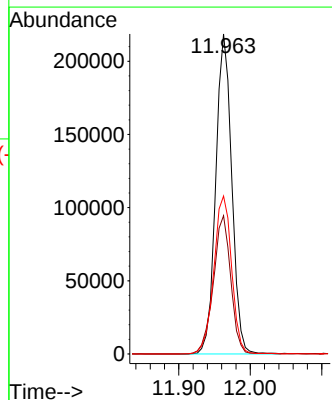
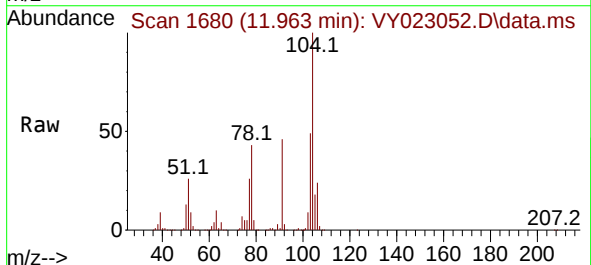
Instrument :
MSVOA_Y
ClientSampleId :

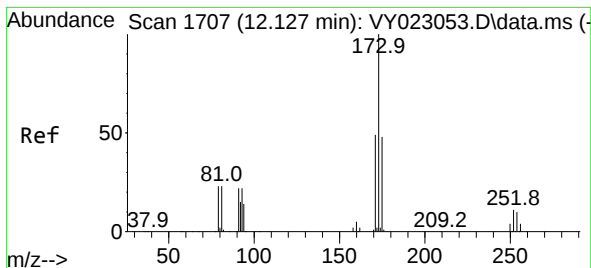
Tgt Ion:106 Resp: 207639
Ion Ratio Lower Upper
106 100
91 208.2 103.2 309.4



#70
Styrene
Concen: 20.532 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion:104 Resp: 339891
Ion Ratio Lower Upper
104 100
78 47.0 38.5 57.7
103 54.9 43.7 65.5





#71

Bromoform

Concen: 20.151 ug/l

RT: 12.127 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

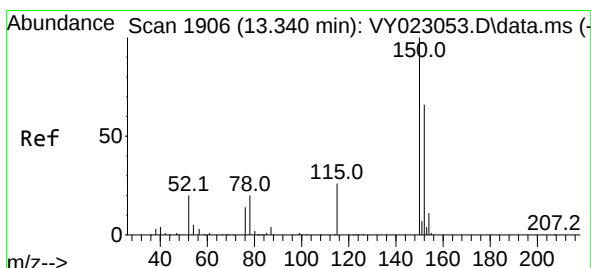
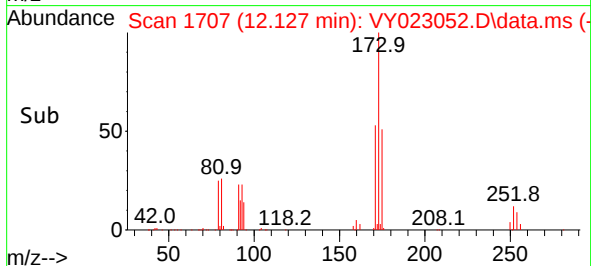
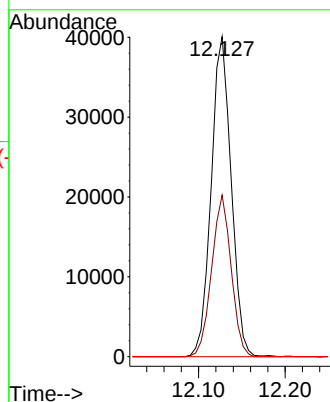
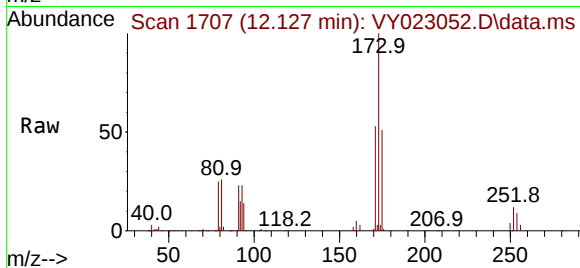
Tgt Ion:173 Resp: 64275

Ion Ratio Lower Upper

173 100

175 49.2 23.9 71.7

254 0.0 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: VY023052.D

Acq: 12 Aug 2025 15:40

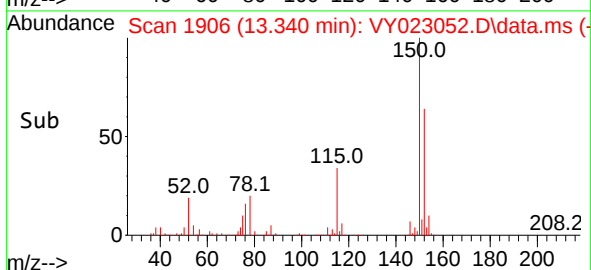
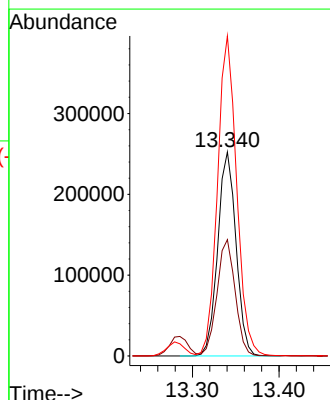
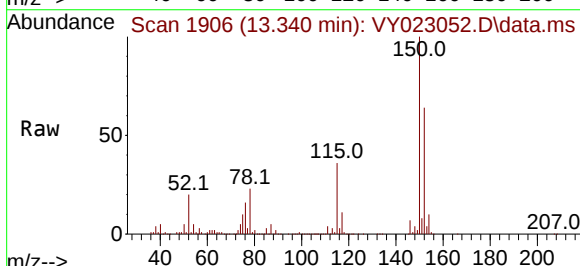
Tgt Ion:152 Resp: 370932

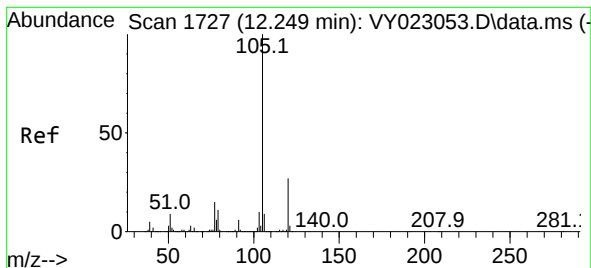
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 163.6 0.0 348.0





#73

Isopropylbenzene

Concen: 20.413 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

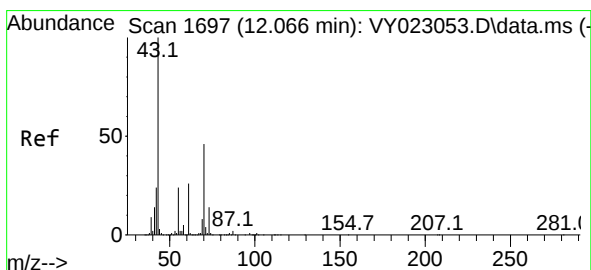
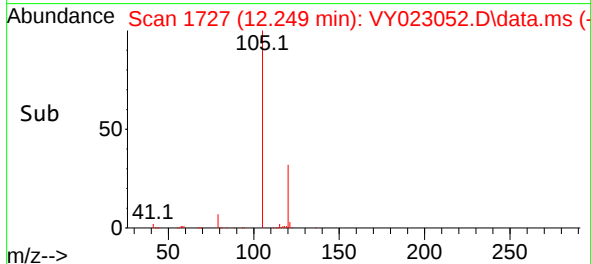
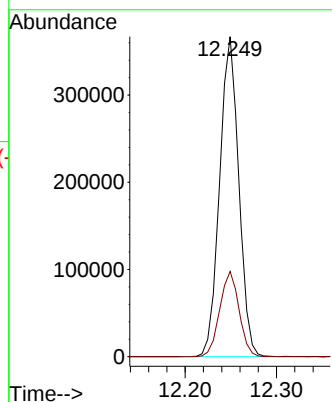
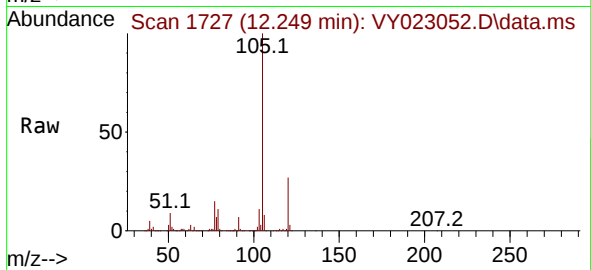
ClientSampleId :

Tgt Ion:105 Resp: 534421

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 20.227 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion: 43 Resp: 112297

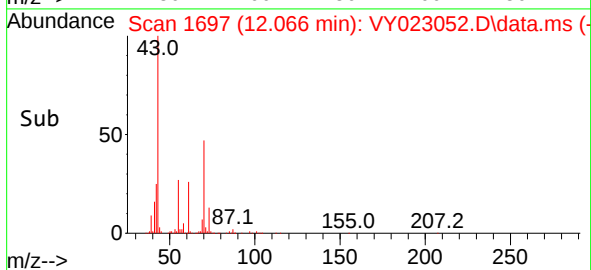
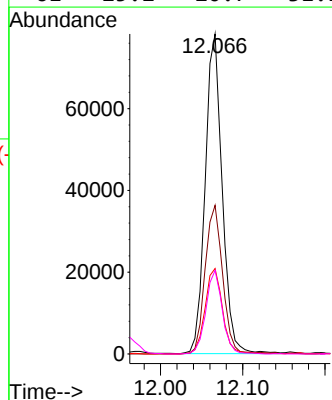
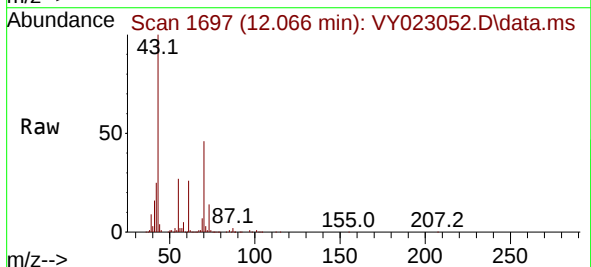
Ion Ratio Lower Upper

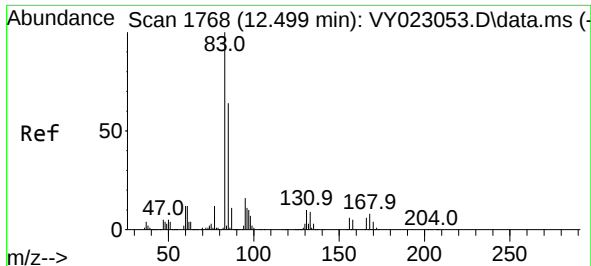
43 100

70 48.1 37.5 56.3

55 27.7 20.7 31.1

61 25.2 20.7 31.1

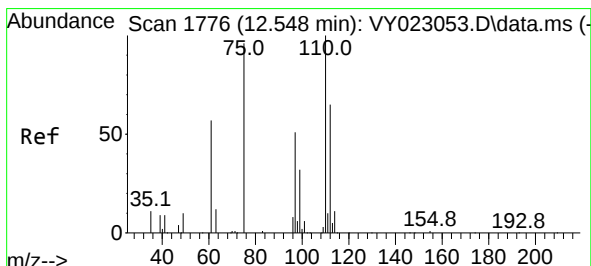
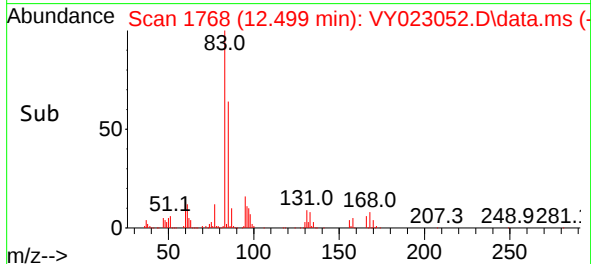
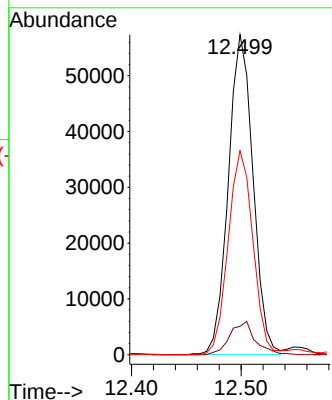
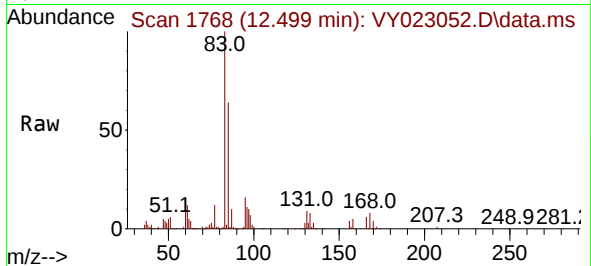




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.085 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

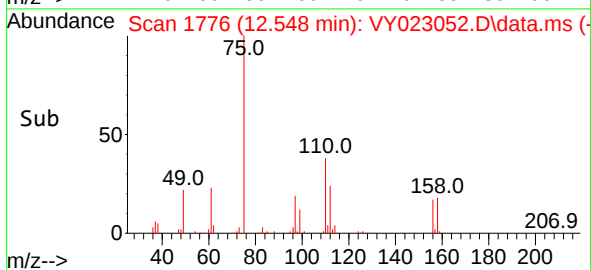
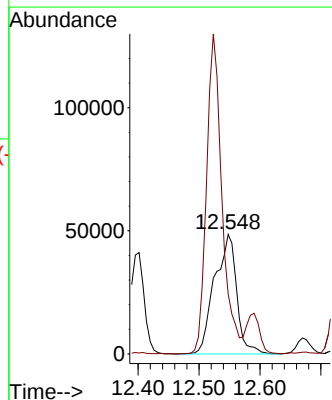
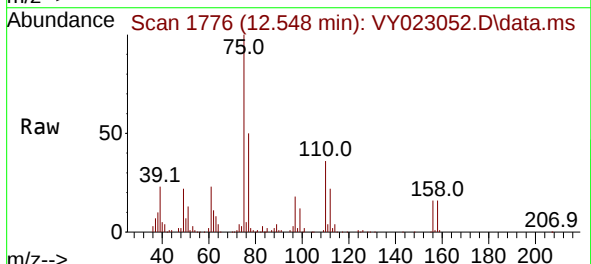
Instrument :
 MSVOA_Y
 ClientSampleId :

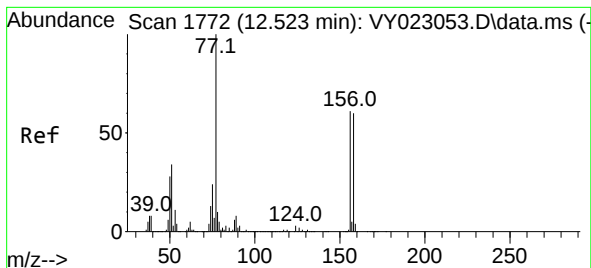
Tgt Ion: 83 Resp: 89782
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.1 15.3
 85 63.8 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 34.195 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023052.D
 Acq: 12 Aug 2025 15:40

Tgt Ion: 75 Resp: 122494
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.574 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

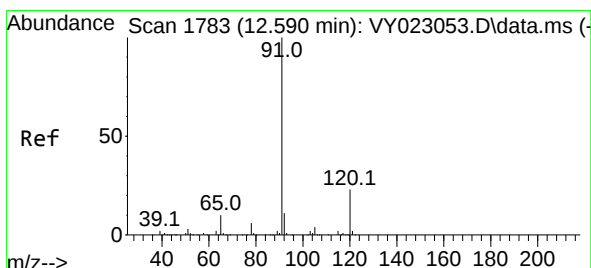
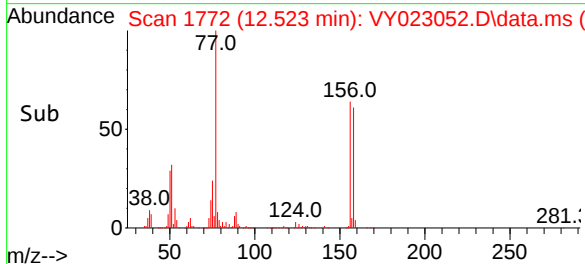
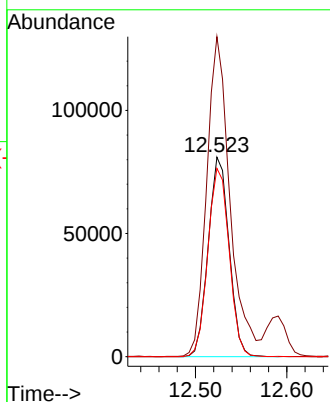
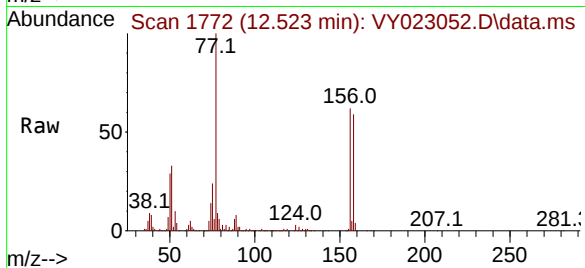
Tgt Ion:156 Resp: 128501

Ion Ratio Lower Upper

156 100

77 177.5 88.1 264.4

158 96.2 48.0 144.0



#78

n-propylbenzene

Concen: 20.550 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023052.D

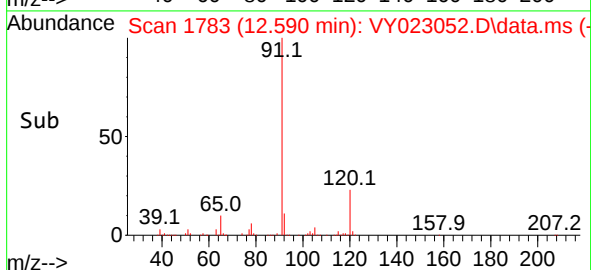
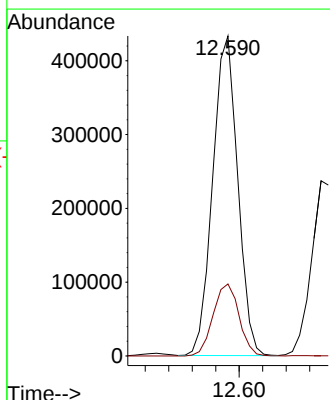
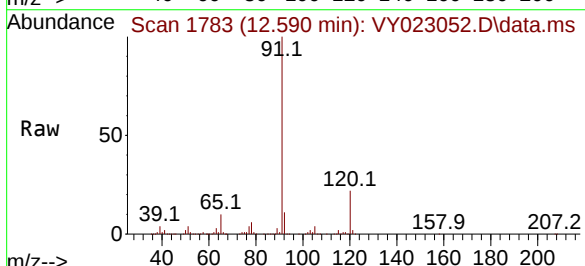
Acq: 12 Aug 2025 15:40

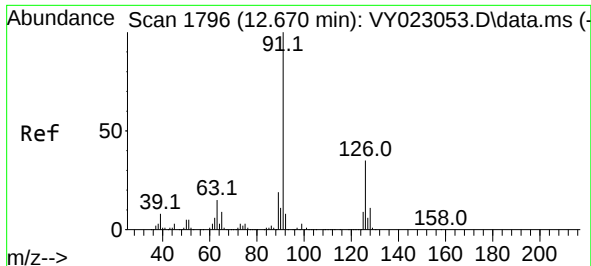
Tgt Ion: 91 Resp: 640528

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5

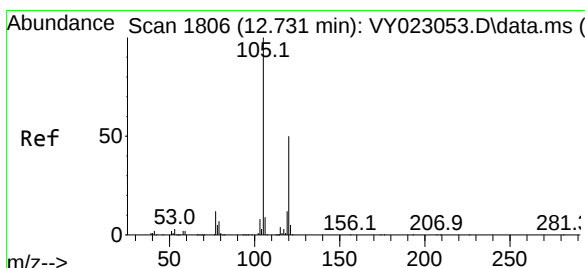
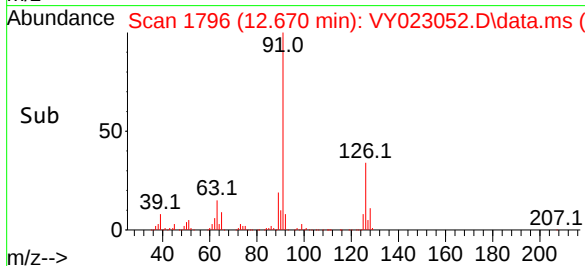
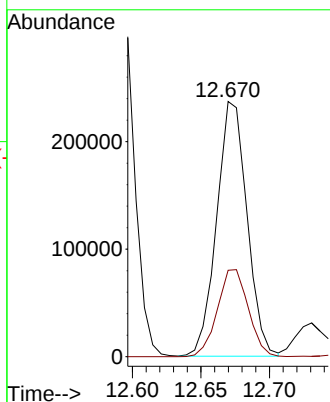
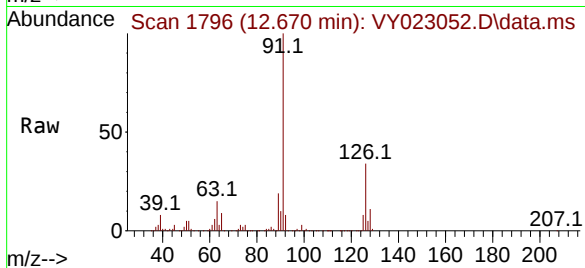




#79
2-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.670 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

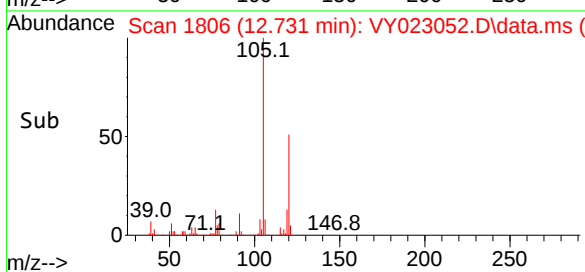
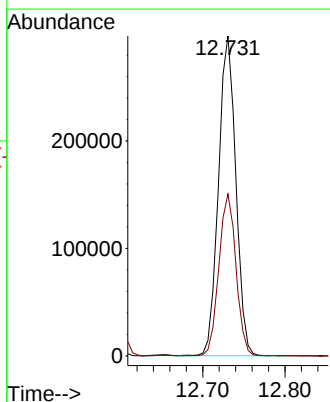
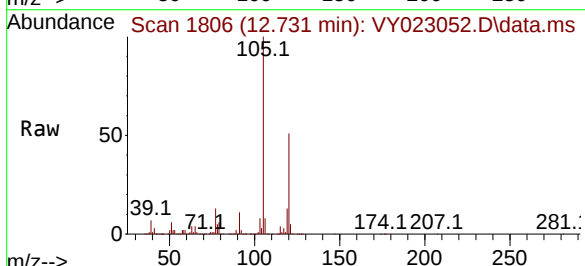
Instrument :
MSVOA_Y
ClientSampleId :

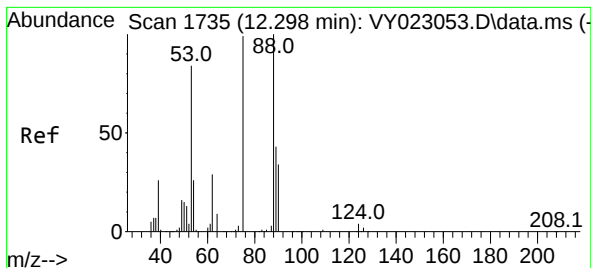
Tgt Ion: 91 Resp: 365577
Ion Ratio Lower Upper
91 100
126 34.8 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 20.563 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 105 Resp: 435074
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4

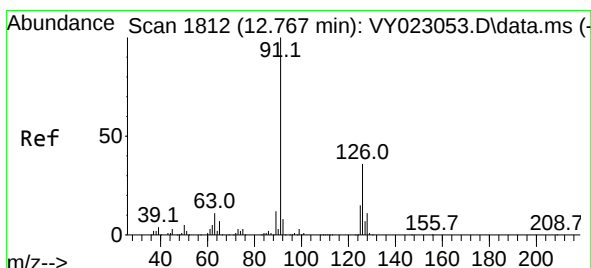
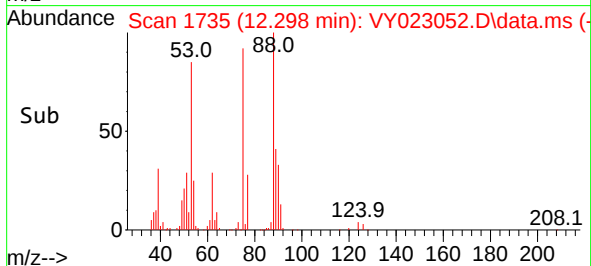
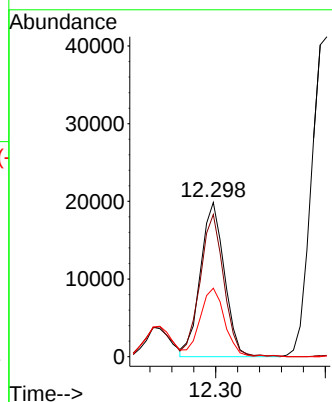
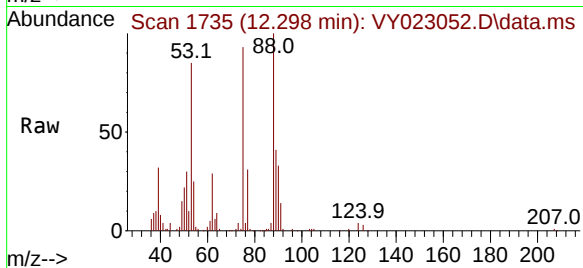




#81
trans-1,4-Dichloro-2-butene
Concen: 20.389 ug/l
RT: 12.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

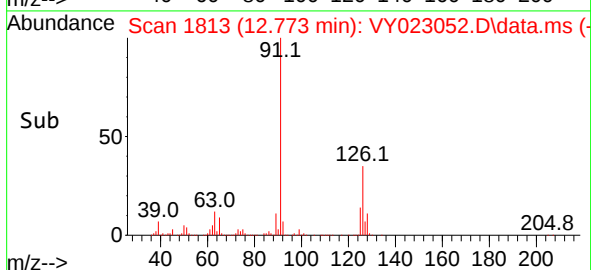
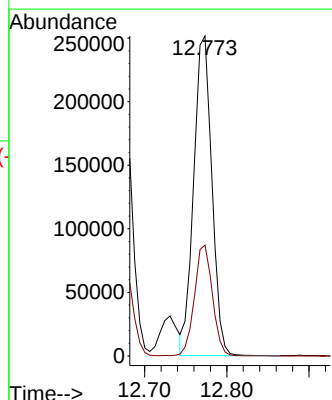
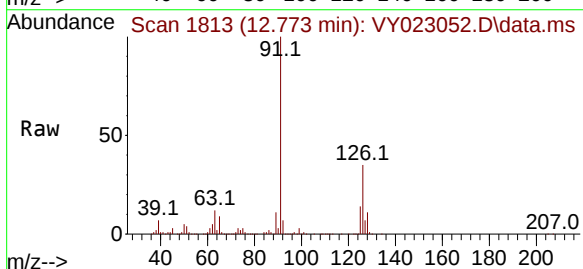
Instrument :
MSVOA_Y
ClientSampleId :

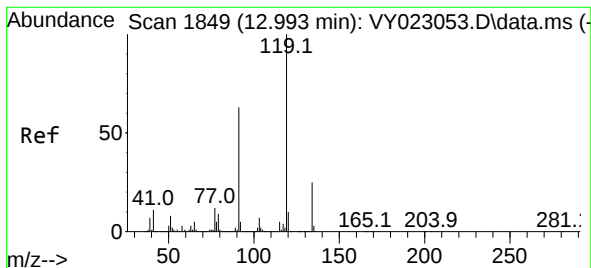
Tgt Ion: 75 Resp: 30153
Ion Ratio Lower Upper
75 100
53 91.7 70.8 106.2
89 46.2 38.1 57.1



#82
4-Chlorotoluene
Concen: 20.822 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023052.D
Acq: 12 Aug 2025 15:40

Tgt Ion: 91 Resp: 385755
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 20.389 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

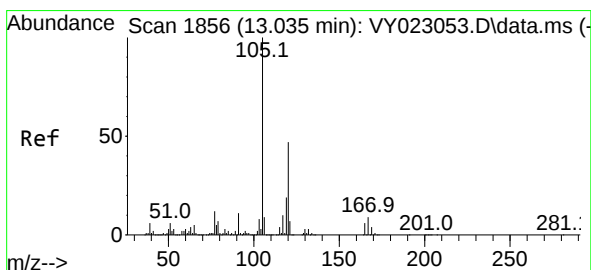
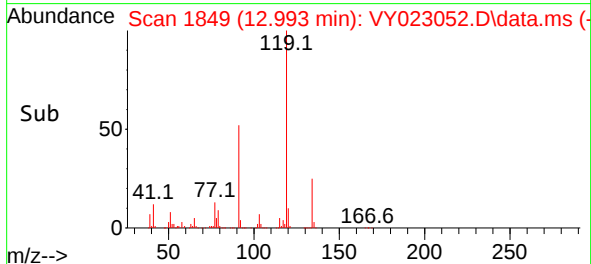
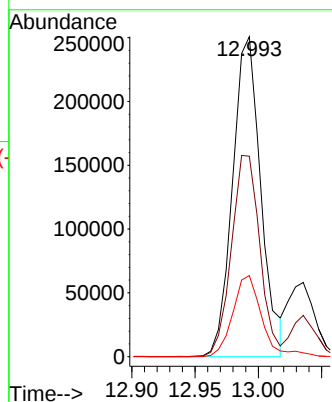
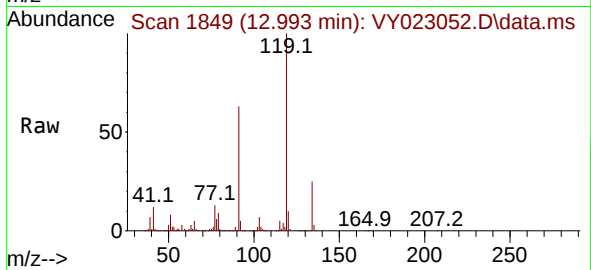
Tgt Ion:119 Resp: 389621

Ion Ratio Lower Upper

119 100

91 63.4 31.6 94.8

134 26.1 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 20.814 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023052.D

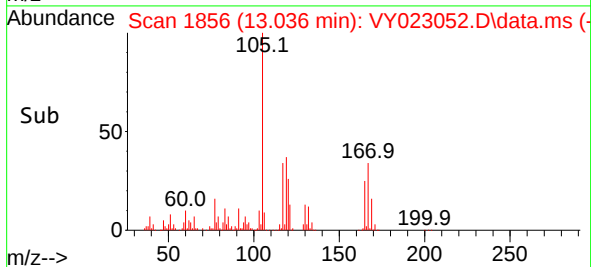
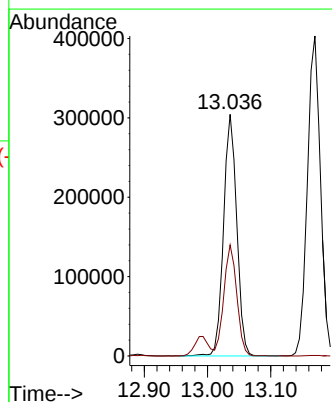
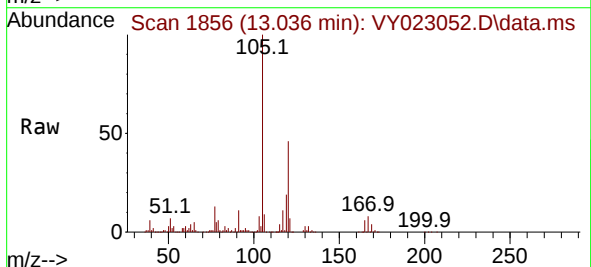
Acq: 12 Aug 2025 15:40

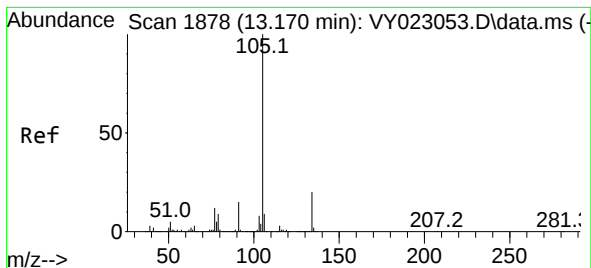
Tgt Ion:105 Resp: 438392

Ion Ratio Lower Upper

105 100

120 45.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.512 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

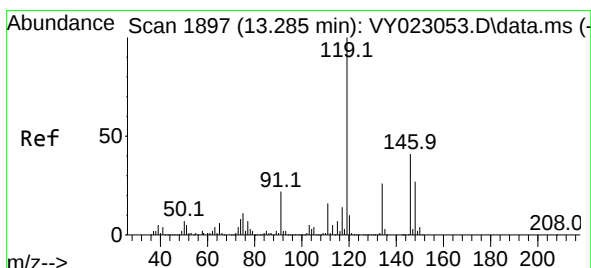
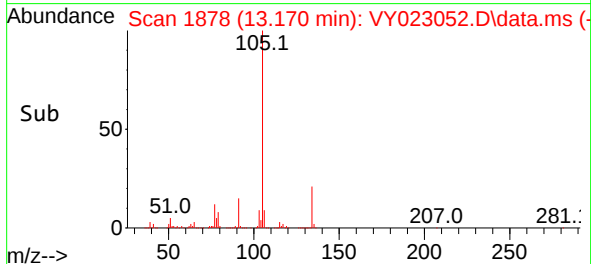
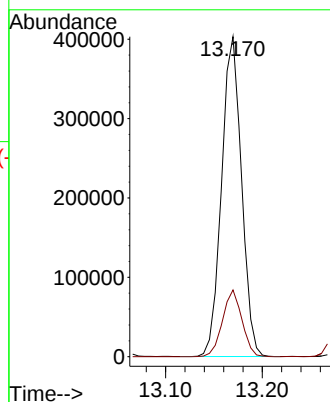
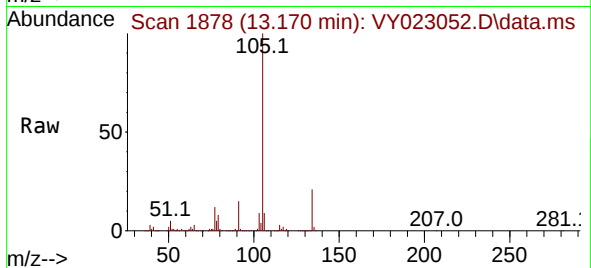
ClientSampleId :

Tgt Ion:105 Resp: 575804

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.640 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

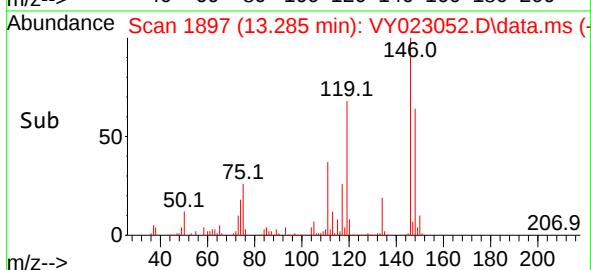
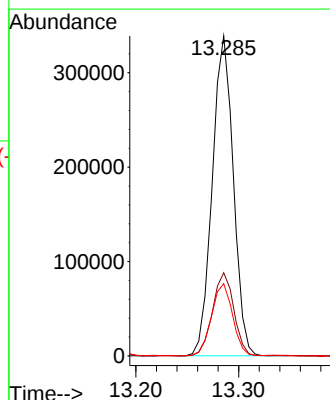
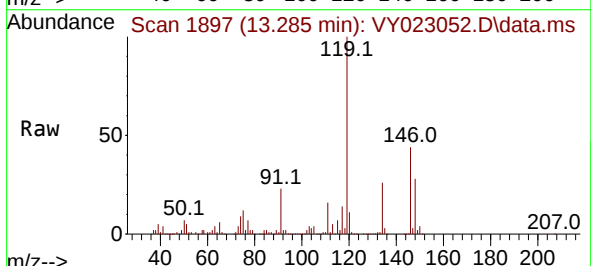
Tgt Ion:119 Resp: 480937

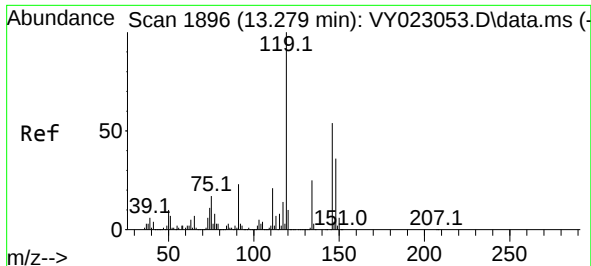
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 20.497 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

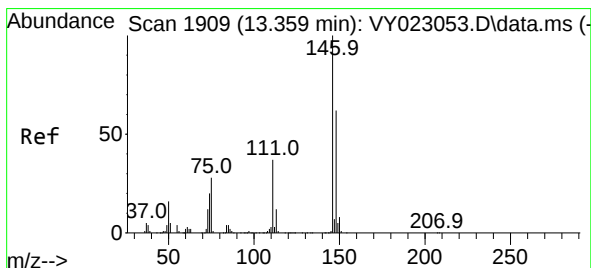
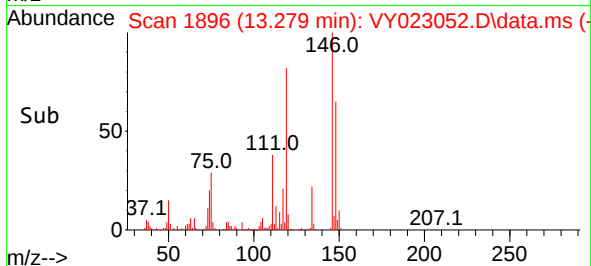
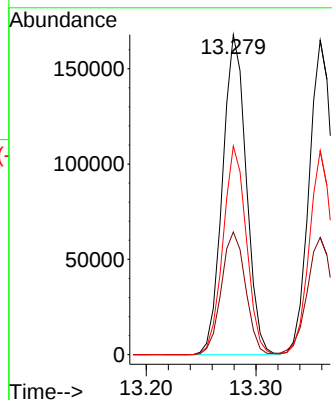
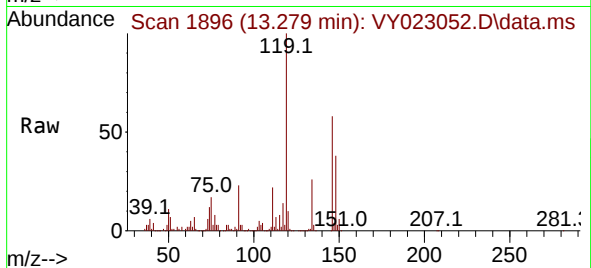
Tgt Ion:146 Resp: 252452

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

148 64.3 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 20.403 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

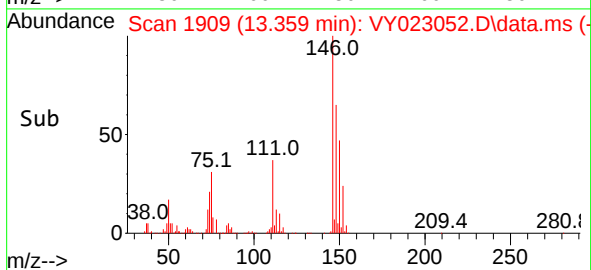
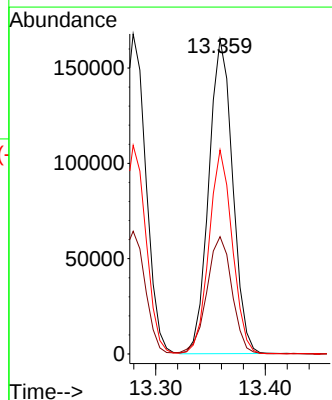
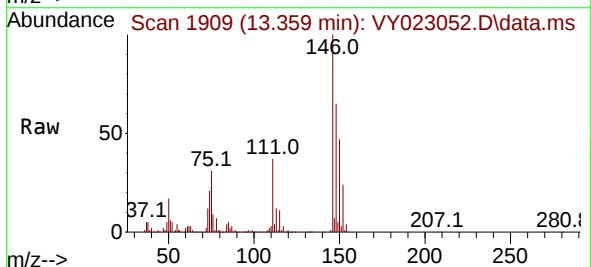
Tgt Ion:146 Resp: 249280

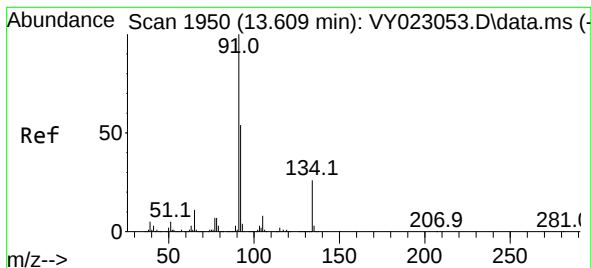
Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.1

148 63.5 31.6 94.7





#89

n-Butylbenzene

Concen: 20.605 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

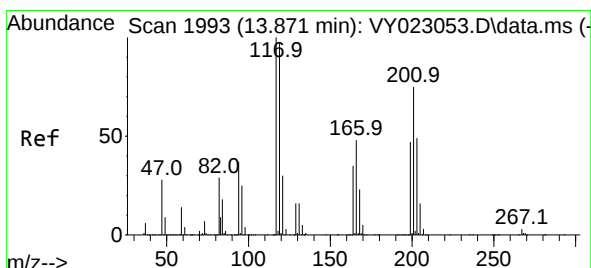
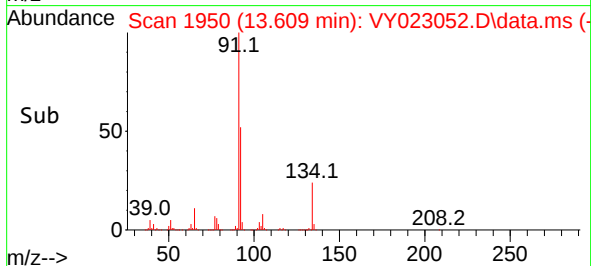
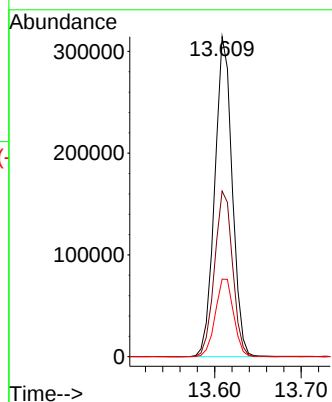
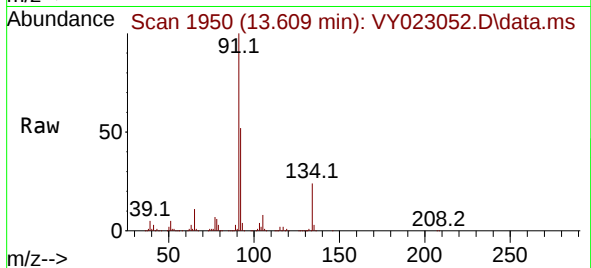
Tgt Ion: 91 Resp: 440963

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.7

134 25.4 13.2 39.5



#90

Hexachloroethane

Concen: 20.226 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023052.D

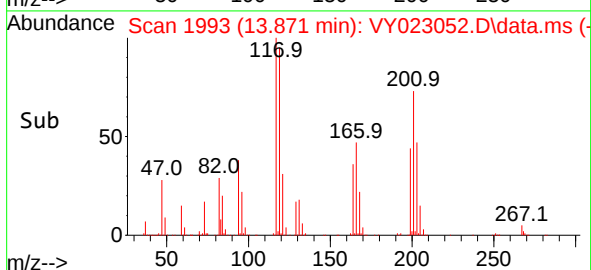
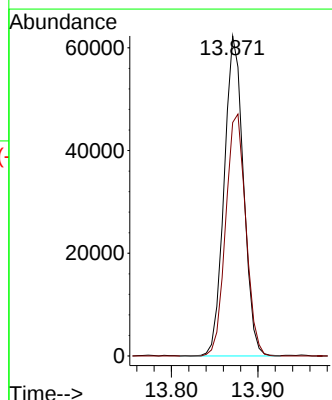
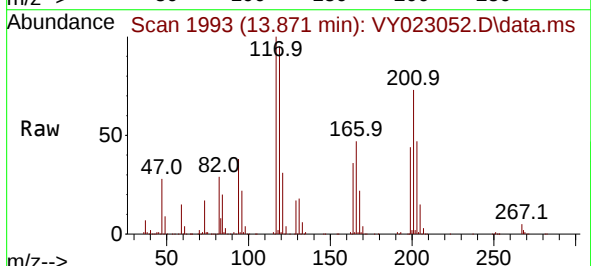
Acq: 12 Aug 2025 15:40

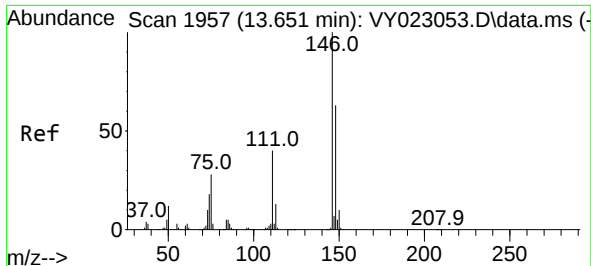
Tgt Ion: 117 Resp: 96478

Ion Ratio Lower Upper

117 100

201 78.5 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.651 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

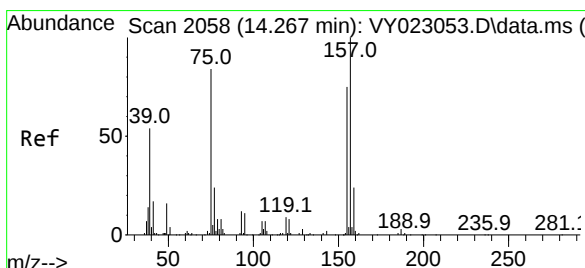
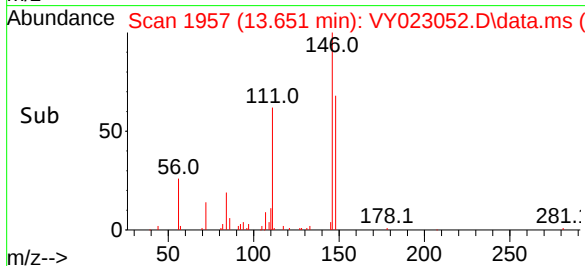
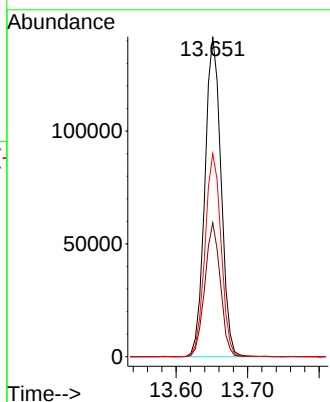
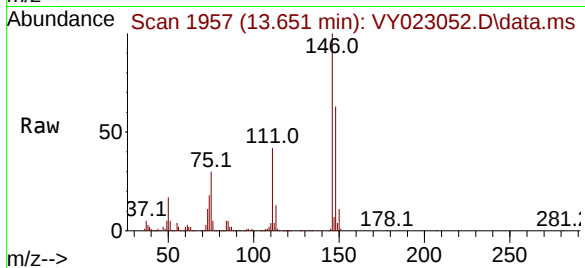
Tgt Ion:146 Resp: 222000

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.8

148 63.2 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.076 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

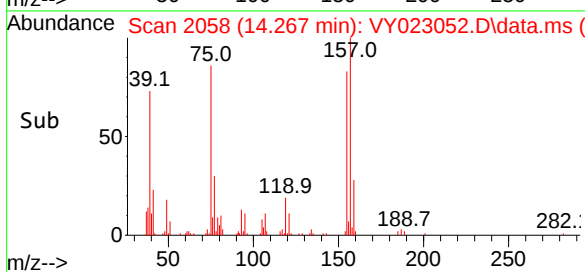
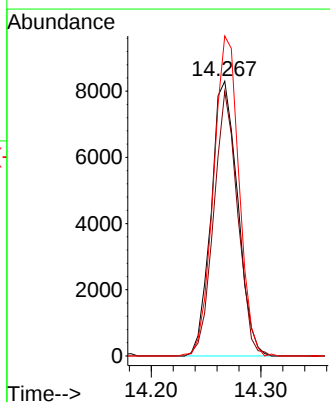
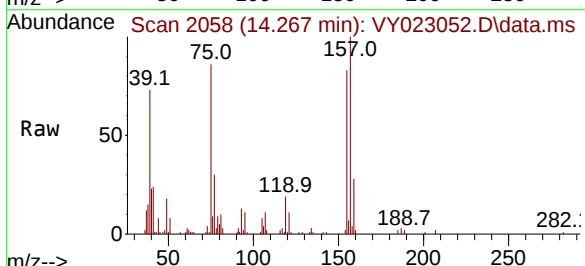
Tgt Ion: 75 Resp: 13973

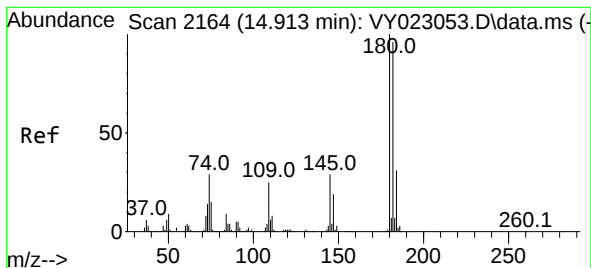
Ion Ratio Lower Upper

75 100

155 86.7 43.9 131.6

157 111.6 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 20.464 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

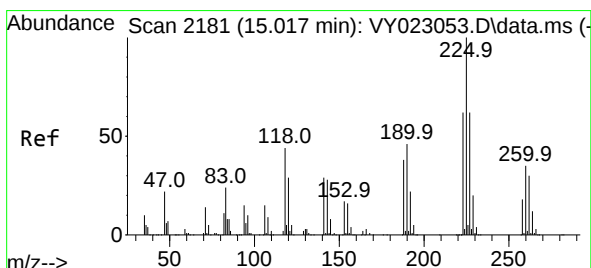
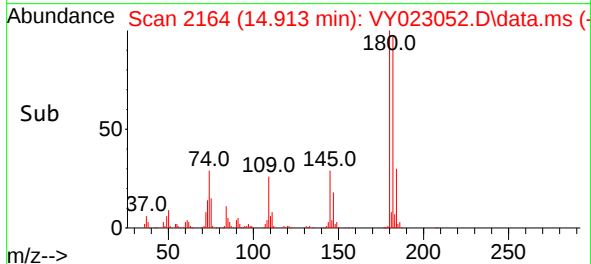
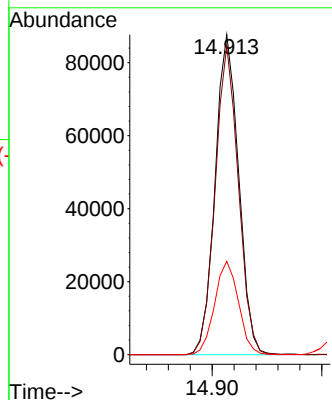
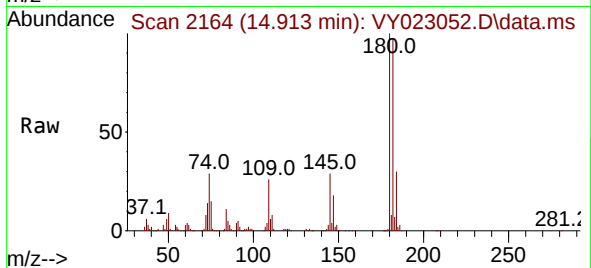
Tgt Ion:180 Resp: 130718

Ion Ratio Lower Upper

180 100

182 95.1 46.8 140.4

145 29.6 14.4 43.4



#94

Hexachlorobutadiene

Concen: 20.650 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

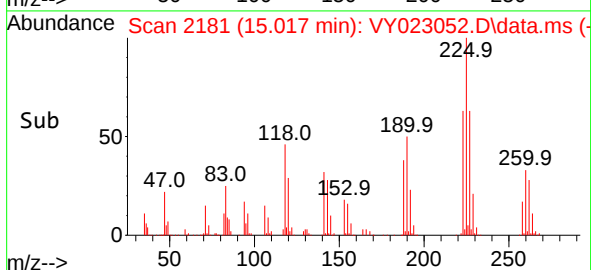
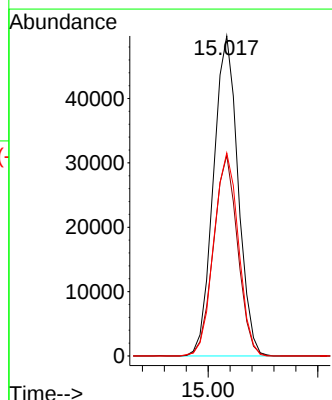
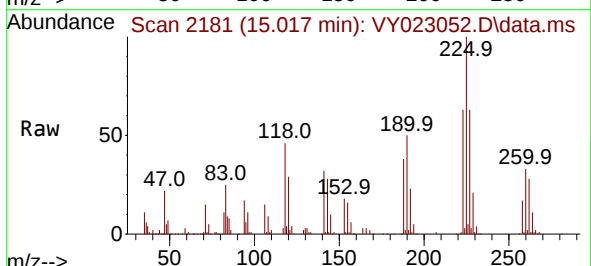
Tgt Ion:225 Resp: 77511

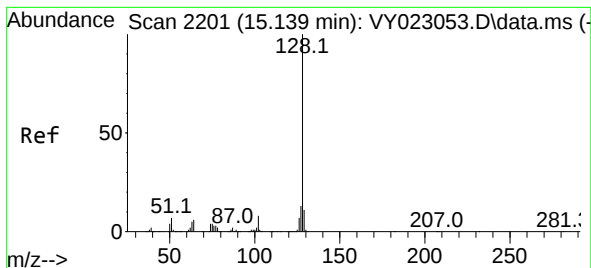
Ion Ratio Lower Upper

225 100

223 61.5 31.3 93.8

227 63.6 31.5 94.5





#95

Naphthalene

Concen: 19.915 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

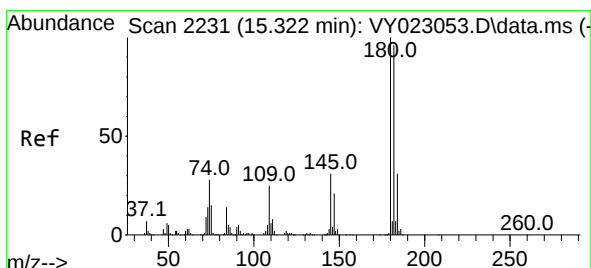
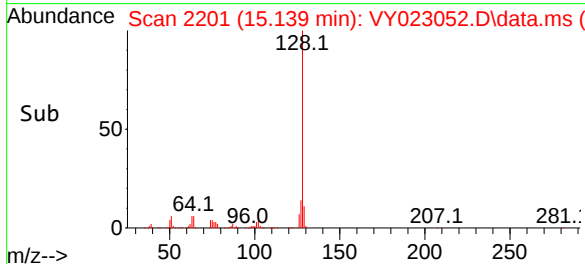
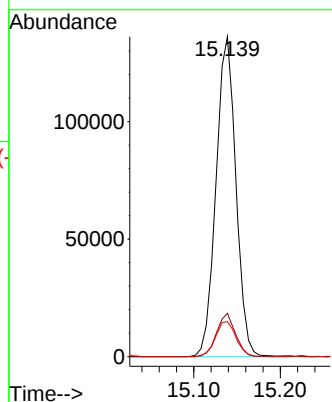
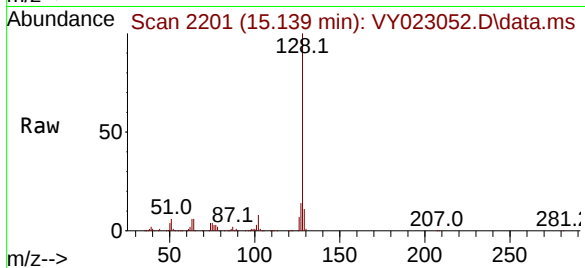
Tgt Ion:128 Resp: 216923

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.4 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 20.258 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023052.D

Acq: 12 Aug 2025 15:40

Tgt Ion:180 Resp: 111506

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 31.0 15.9 47.7

