

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023212.D
 Acq On : 25 Aug 2025 16:27
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:51:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	441654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	689410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	615546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	325584	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201848	47.953	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.900%
35) Dibromofluoromethane	7.640	113	213111	51.661	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.320%
50) Toluene-d8	10.103	98	845636	52.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.940%
62) 4-Bromofluorobenzene	12.402	95	272238	52.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	139962	38.824	ug/l	99
3) Chloromethane	2.068	50	258839	44.329	ug/l	99
4) Vinyl Chloride	2.202	62	336953	46.684	ug/l	99
5) Bromomethane	2.599	94	261198	48.456	ug/l	98
6) Chloroethane	2.733	64	242853	50.609	ug/l	98
7) Trichlorofluoromethane	3.056	101	408063	46.495	ug/l	99
8) Diethyl Ether	3.458	74	105427	45.404	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	201515	46.541	ug/l	98
10) Methyl Iodide	4.007	142	264810	56.677	ug/l	98
11) Tert butyl alcohol	4.854	59	53506	185.518	ug/l	99
12) 1,1-Dichloroethene	3.787	96	203802	47.886	ug/l	95
13) Acrolein	3.653	56	19179	45.406	ug/l	96
14) Allyl chloride	4.385	41	286240	45.708	ug/l	98
15) Acrylonitrile	5.061	53	208959	221.356	ug/l	100
16) Acetone	3.867	43	183517	201.244	ug/l	99
17) Carbon Disulfide	4.104	76	639957	46.116	ug/l	98
18) Methyl Acetate	4.385	43	119628	44.083	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	499714	45.311	ug/l	100
20) Methylene Chloride	4.616	84	250297	52.983	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	241149	50.420	ug/l	98
22) Diisopropyl ether	6.019	45	651704	47.890	ug/l	98
23) Vinyl Acetate	5.964	43	1663421	221.063	ug/l	98
24) 1,1-Dichloroethane	5.915	63	419602	50.434	ug/l	100
25) 2-Butanone	6.897	43	250350	201.856	ug/l	92
26) 2,2-Dichloropropane	6.884	77	358119	49.884	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	285562	51.646	ug/l	96
28) Bromochloromethane	7.244	49	151736	45.969	ug/l	93
29) Tetrahydrofuran	7.262	42	156446	203.501	ug/l	95
30) Chloroform	7.421	83	442453	51.565	ug/l	96
31) Cyclohexane	7.701	56	327814	41.812	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	383531	50.375	ug/l	99
36) 1,1-Dichloropropene	7.835	75	306485	49.992	ug/l	99
37) Ethyl Acetate	6.988	43	111351	43.238	ug/l	99
38) Carbon Tetrachloride	7.817	117	337752	50.724	ug/l	98
39) Methylcyclohexane	9.110	83	375746	46.542	ug/l	95
40) Benzene	8.079	78	986883	52.228	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	57684	38.811	ug/l #	89
42) 1,2-Dichloroethane	8.159	62	238505	48.532	ug/l	99
43) Isopropyl Acetate	8.201	43	221627	42.578	ug/l	99
44) Trichloroethene	8.866	130	260658	53.380	ug/l	98
45) 1,2-Dichloropropane	9.140	63	221740	51.002	ug/l	99
46) Dibromomethane	9.231	93	125554	50.314	ug/l	99
47) Bromodichloromethane	9.420	83	330754	51.511	ug/l	96
48) Methyl methacrylate	9.219	41	106889	42.914	ug/l	93
49) 1,4-Dioxane	9.225	88	26223	896.218	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	583432	217.297	ug/l	99
52) Toluene	10.170	92	634951	52.908	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	285029	49.020	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	345867	50.303	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	170850	51.166	ug/l	100
56) Ethyl methacrylate	10.439	69	200167	46.847	ug/l	98
57) 1,3-Dichloropropane	10.713	76	279980	49.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	463424	229.935	ug/l	98
59) 2-Hexanone	10.762	43	391267	214.010	ug/l	99
60) Dibromochloromethane	10.908	129	227701	51.680	ug/l	99
61) 1,2-Dibromoethane	11.012	107	159101	50.695	ug/l	99
64) Tetrachloroethene	10.646	164	309544	56.317	ug/l	99
65) Chlorobenzene	11.438	112	688996	51.892	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.512	131	237841	52.781	ug/l	98
67) Ethyl Benzene	11.518	91	1188553	52.018	ug/l	99
68) m/p-Xylenes	11.627	106	947433	106.167	ug/l	97
69) o-Xylene	11.951	106	442448	52.936	ug/l	100
70) Styrene	11.969	104	742369	54.312	ug/l	98
71) Bromoform	12.127	173	131209	49.820	ug/l #	100
73) Isopropylbenzene	12.255	105	1144571	49.809	ug/l	99
74) N-amyl acetate	12.066	43	194002	39.810	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	165675	42.224	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	226746	72.161	ug/l #	100
77) Bromobenzene	12.530	156	272636	49.731	ug/l	94
78) n-propylbenzene	12.591	91	1367599	49.988	ug/l	99
79) 2-Chlorotoluene	12.676	91	777196	49.581	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	942901	50.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	53774	41.426	ug/l	98
82) 4-Chlorotoluene	12.774	91	790850	48.634	ug/l	98
83) tert-Butylbenzene	12.993	119	858011	51.153	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	941680	50.936	ug/l	98
85) sec-Butylbenzene	13.170	105	1239784	50.316	ug/l	99
86) p-Isopropyltoluene	13.292	119	1066483	52.145	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	547312	50.626	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	535561	49.939	ug/l	99
89) n-Butylbenzene	13.615	91	944856	50.300	ug/l	99
90) Hexachloroethane	13.877	117	217985	52.065	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	466893	49.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24781	40.565	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	268105	47.818	ug/l	99
94) Hexachlorobutadiene	15.017	225	164160	49.825	ug/l	99
95) Naphthalene	15.139	128	420343	43.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	226918	46.967	ug/l	98

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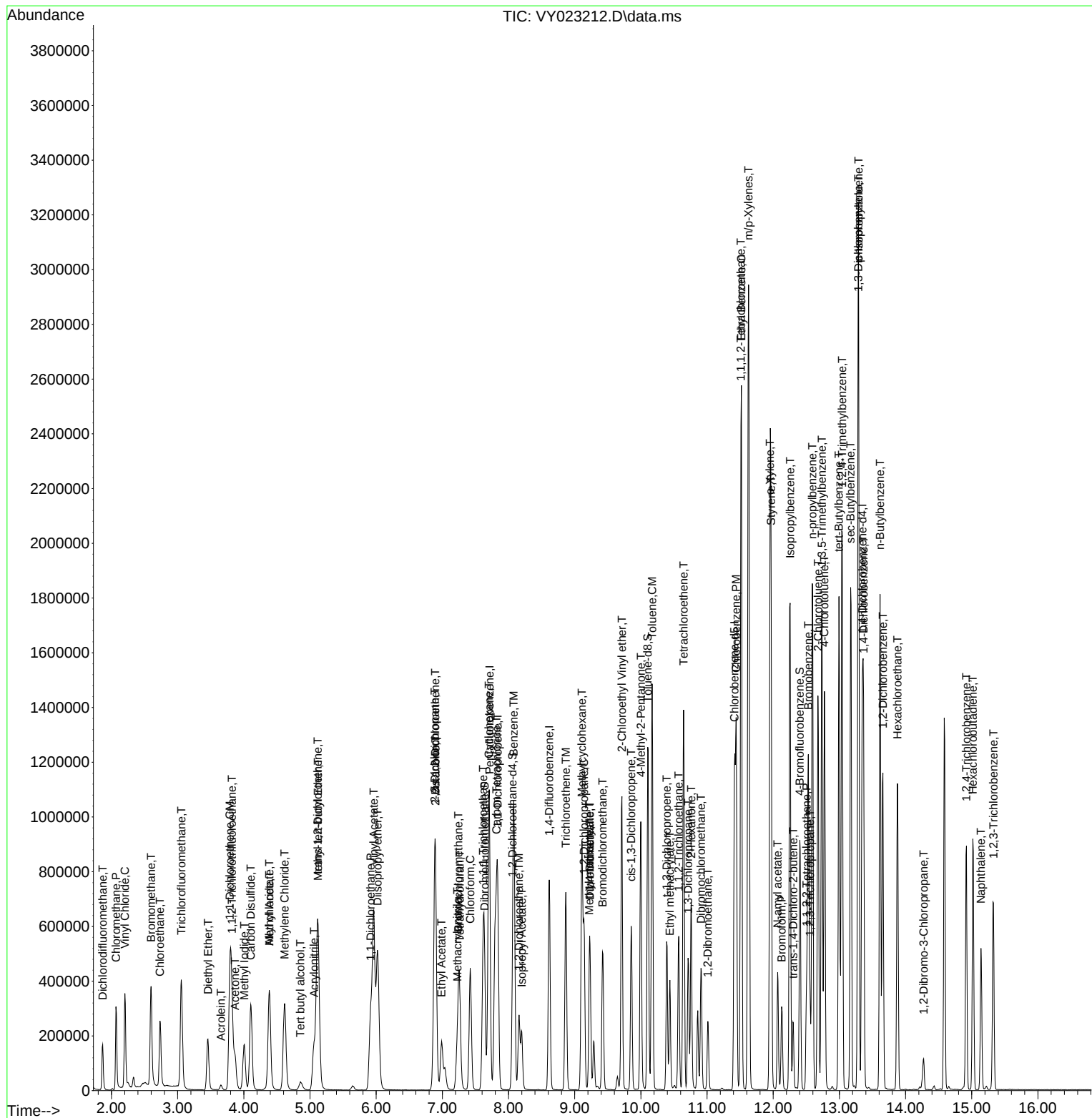
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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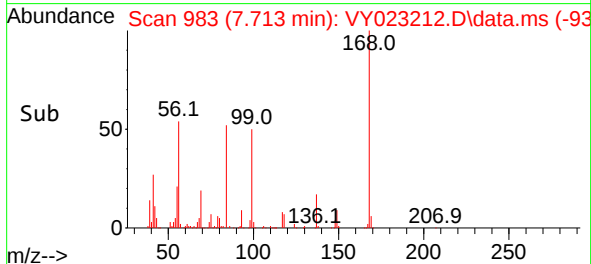
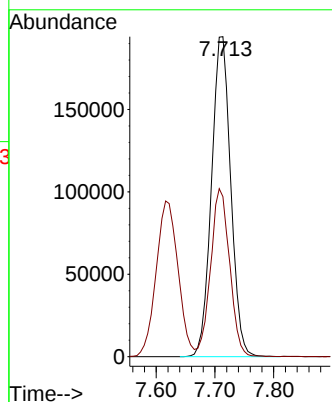
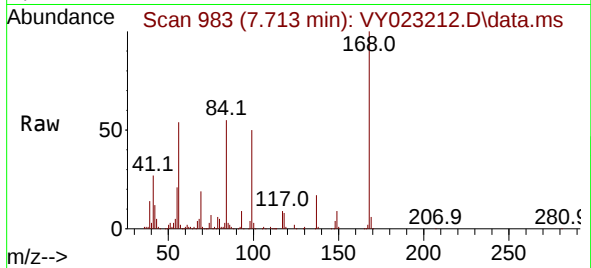




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023212.D
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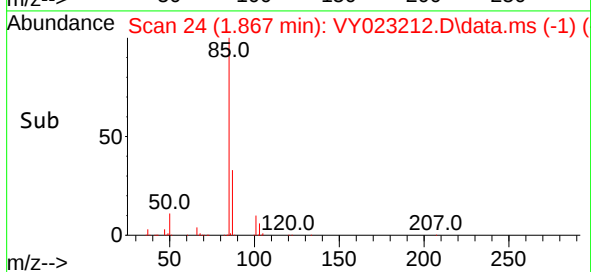
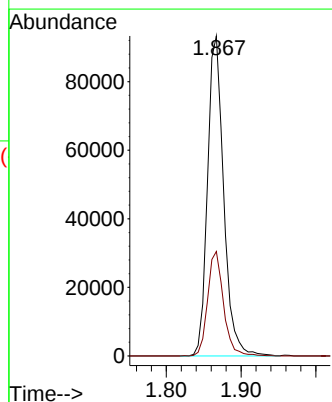
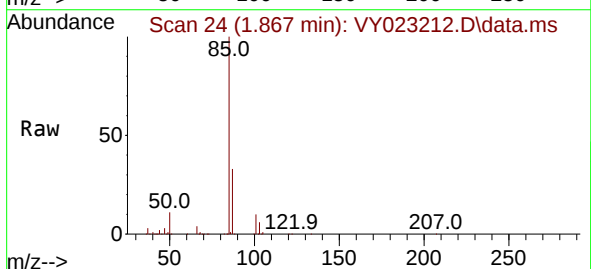
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 441654
Ion Ratio Lower Upper
168 100
99 49.9 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 38.824 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 85 Resp: 139962
Ion Ratio Lower Upper
85 100
87 32.7 16.6 49.8

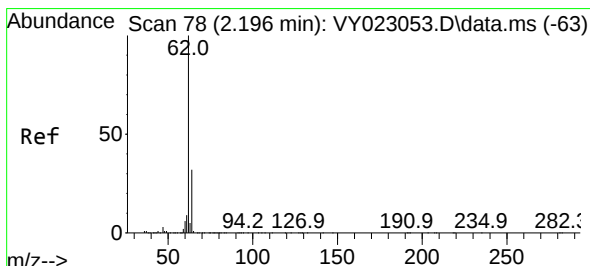
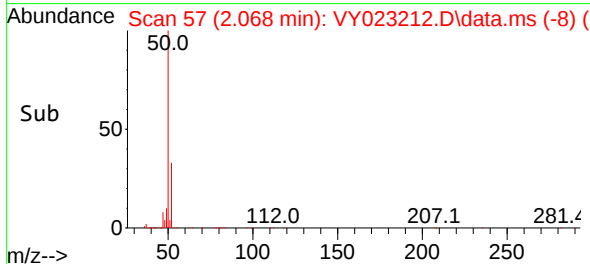
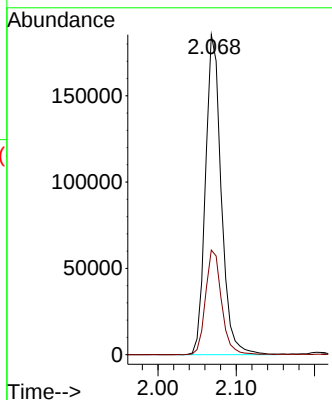
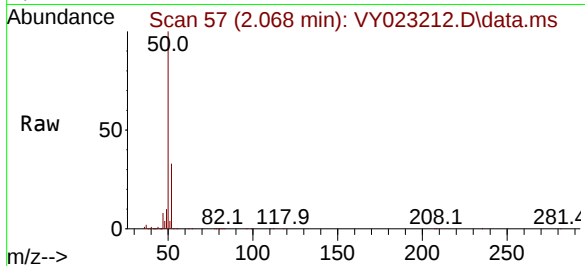




#3
Chloromethane
Concen: 44.329 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

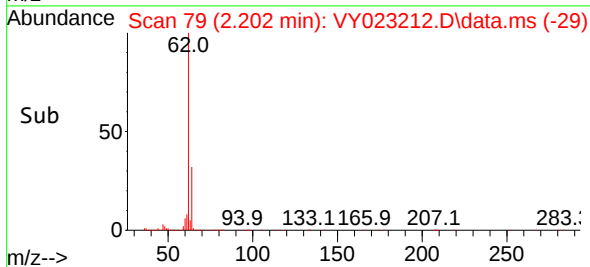
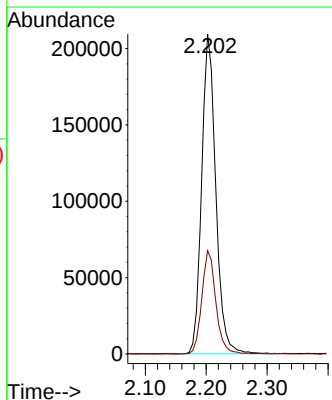
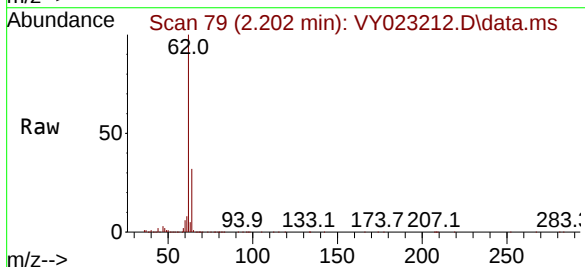
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ClientSampleId :

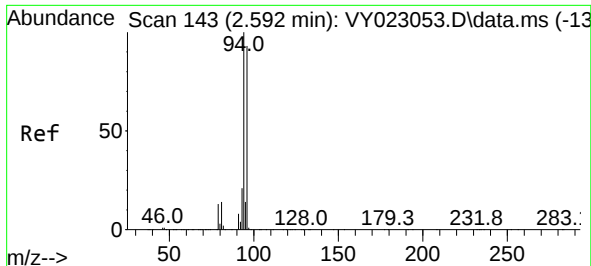
Tgt Ion: 50 Resp: 258839
Ion Ratio Lower Upper
50 100
52 32.6 26.7 40.1



#4
Vinyl Chloride
Concen: 46.684 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 62 Resp: 336953
Ion Ratio Lower Upper
62 100
64 32.3 25.4 38.0

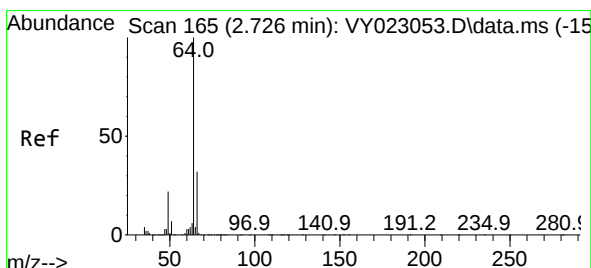
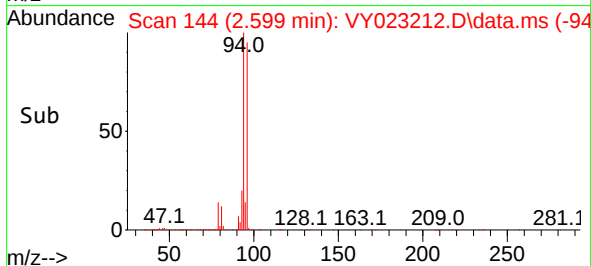
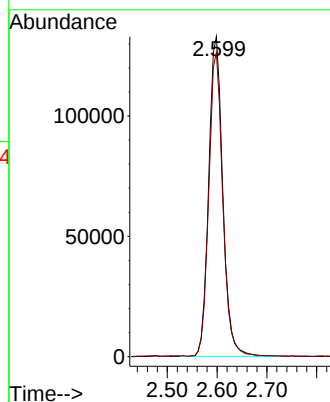
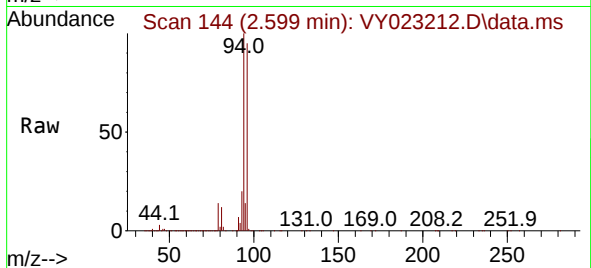




#5
Bromomethane
Concen: 48.456 ug/l
RT: 2.599 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

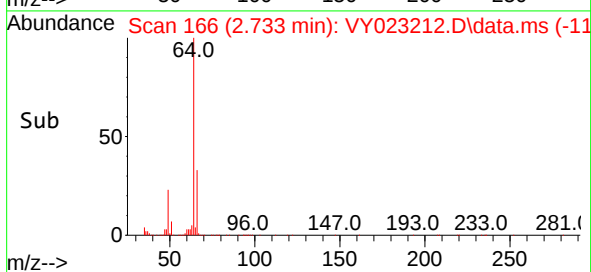
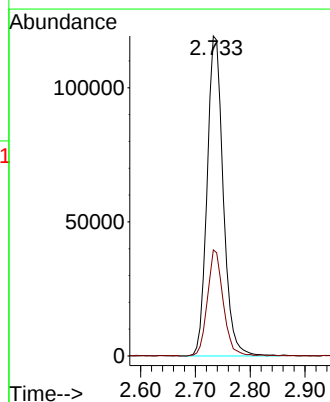
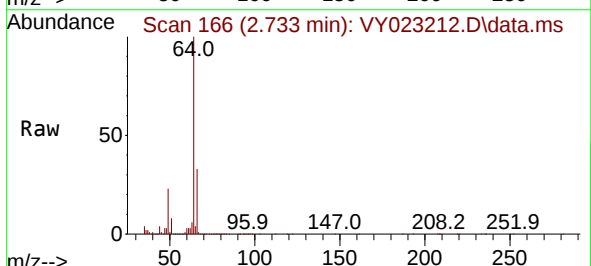
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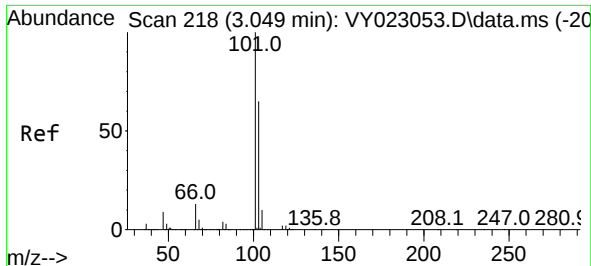
Tgt Ion: 94 Resp: 261198
Ion Ratio Lower Upper
94 100
96 94.8 74.6 112.0



#6
Chloroethane
Concen: 50.609 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 64 Resp: 242853
Ion Ratio Lower Upper
64 100
66 33.2 25.8 38.6

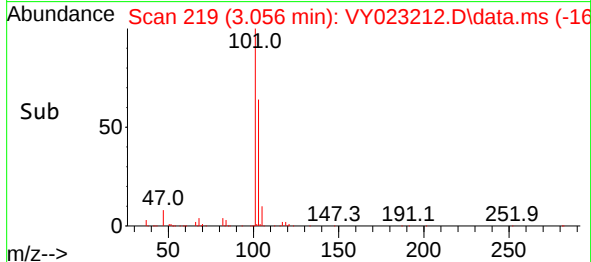
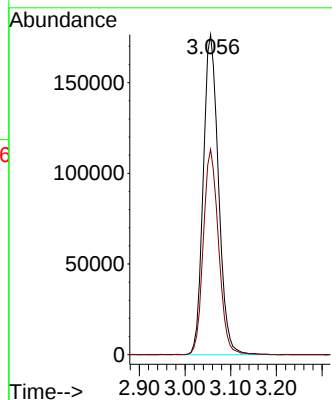
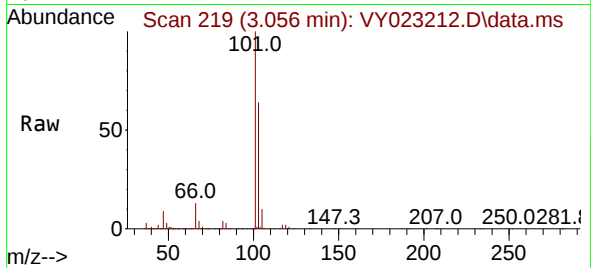




#7
 Trichlorofluoromethane
 Concen: 46.495 ug/l
 RT: 3.056 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

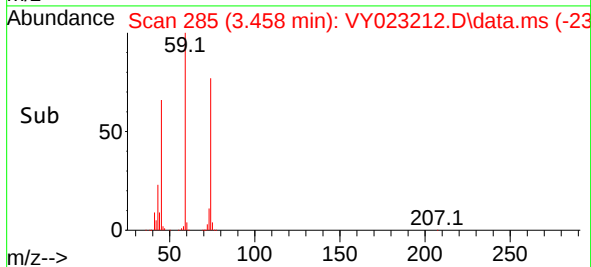
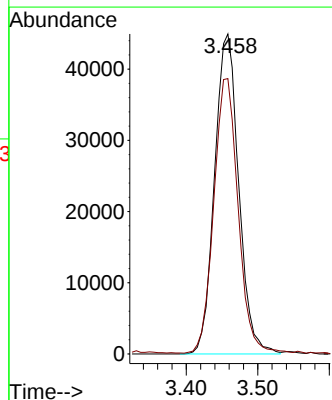
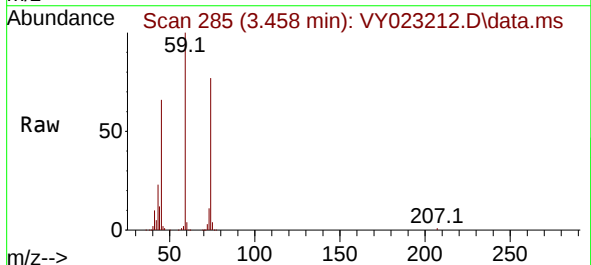
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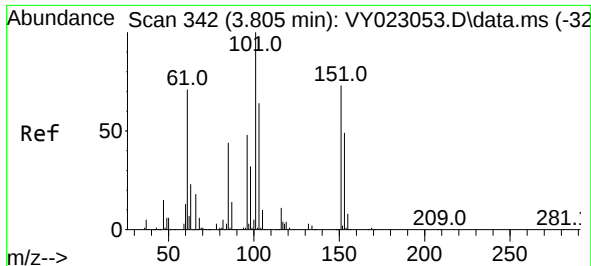
Tgt Ion:101 Resp: 408063
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.9 77.9



#8
 Diethyl Ether
 Concen: 45.404 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

Tgt Ion: 74 Resp: 105427
 Ion Ratio Lower Upper
 74 100
 45 86.4 44.4 133.2

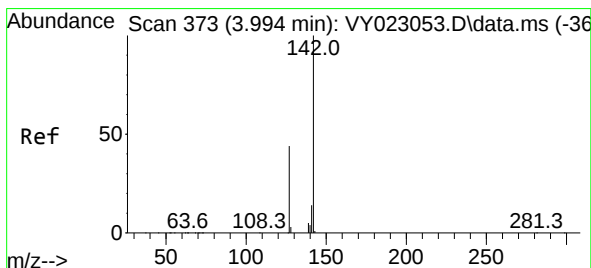
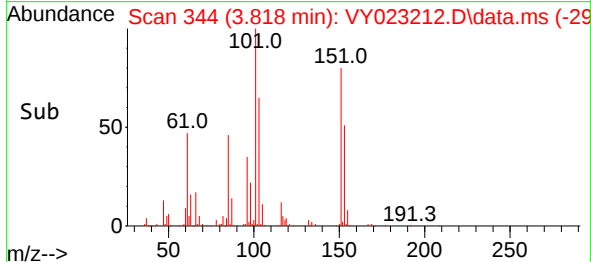
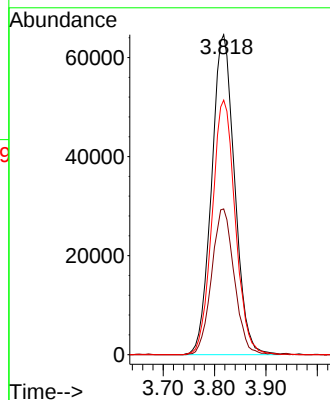
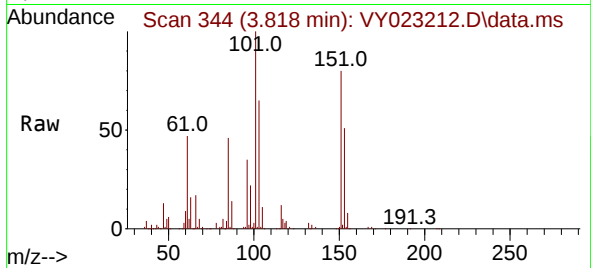




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.541 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023212.D
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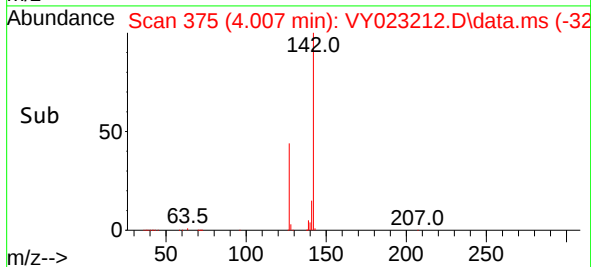
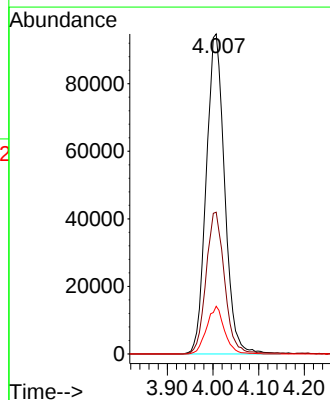
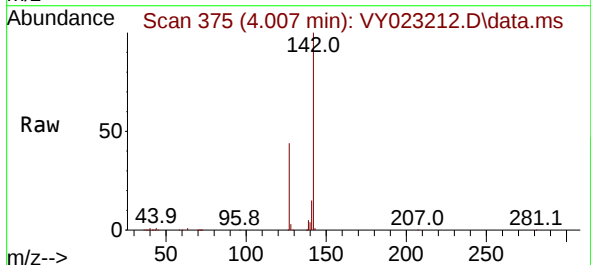
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MSVOA_Y
ClientSampleId :

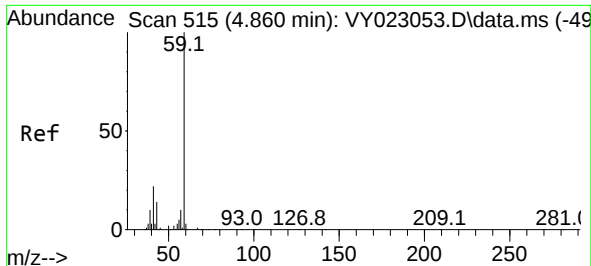
Tgt Ion:101 Resp: 201515
Ion Ratio Lower Upper
101 100
85 44.7 36.3 54.5
151 79.8 61.5 92.3



#10
Methyl Iodide
Concen: 56.677 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion:142 Resp: 264810
Ion Ratio Lower Upper
142 100
127 44.9 34.9 52.3
141 14.4 11.3 16.9

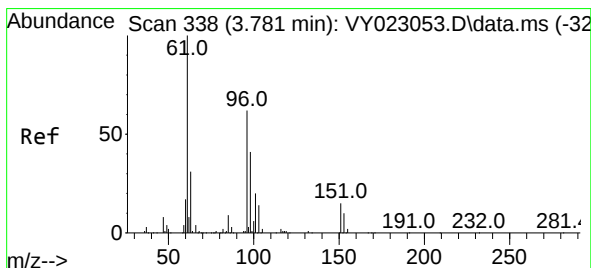
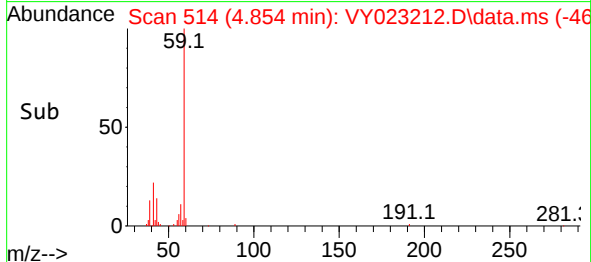
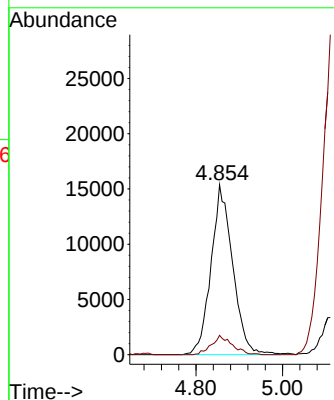
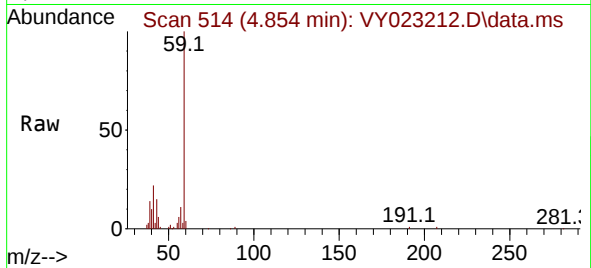




#11
Tert butyl alcohol
Concen: 185.518 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

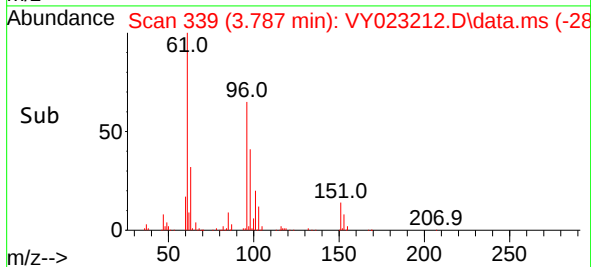
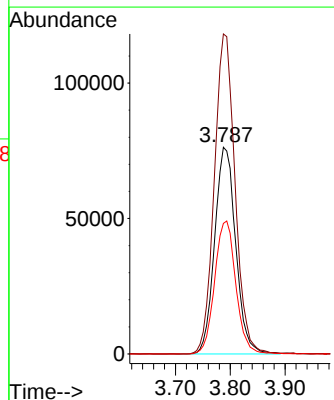
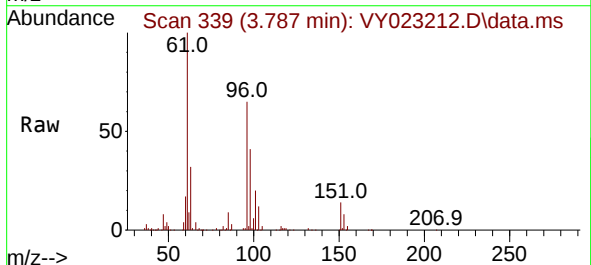
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 53506
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0



#12
1,1-Dichloroethene
Concen: 47.886 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 96 Resp: 203802
Ion Ratio Lower Upper
96 100
61 154.8 129.4 194.2
98 63.2 52.8 79.2

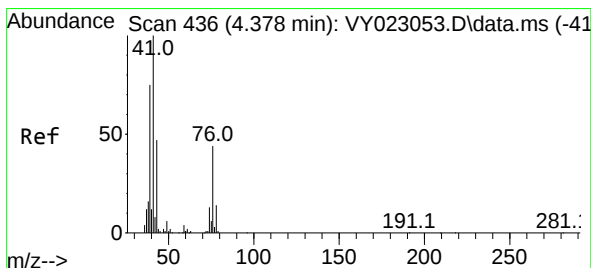
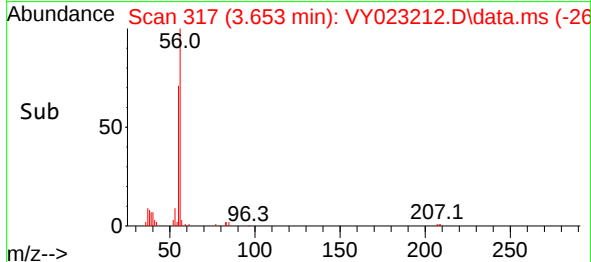
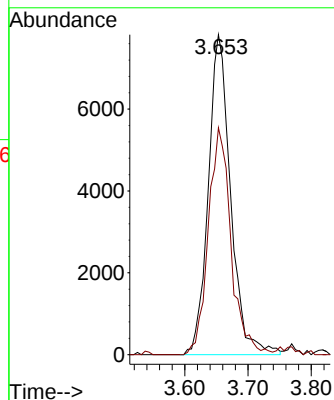
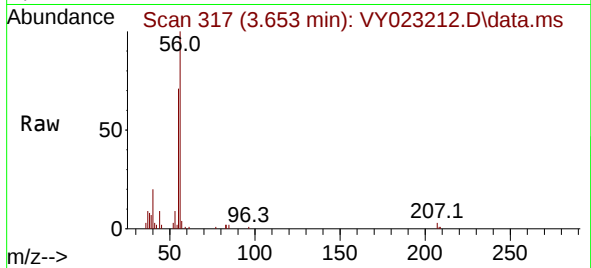




#13
Acrolein
Concen: 45.406 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

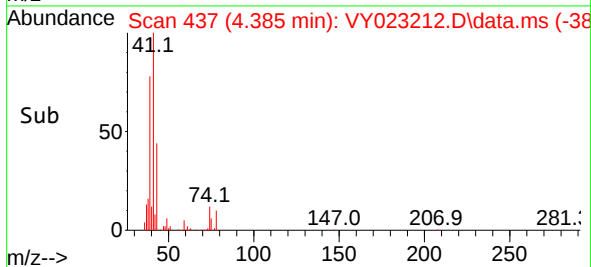
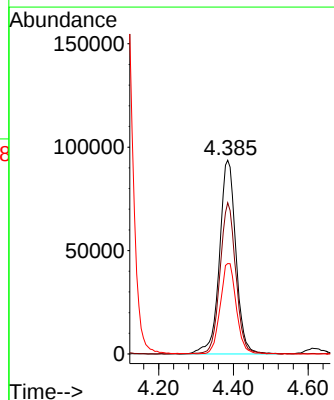
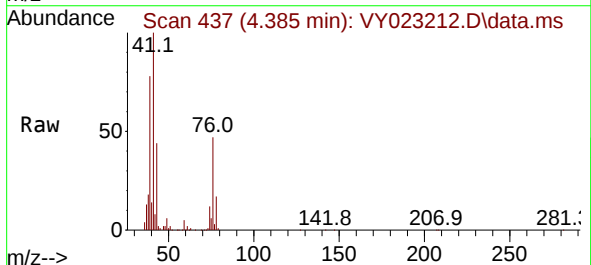
Instrument :
MSVOA_Y
ClientSampleId :

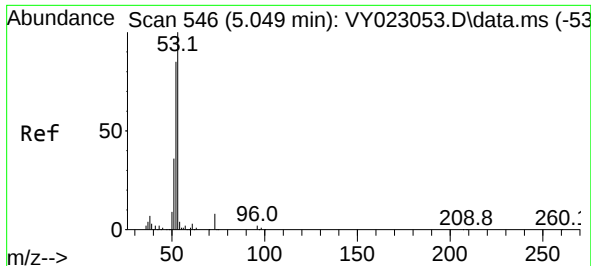
Tgt Ion: 56 Resp: 19179
Ion Ratio Lower Upper
56 100
55 72.0 55.2 82.8



#14
Allyl chloride
Concen: 45.708 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

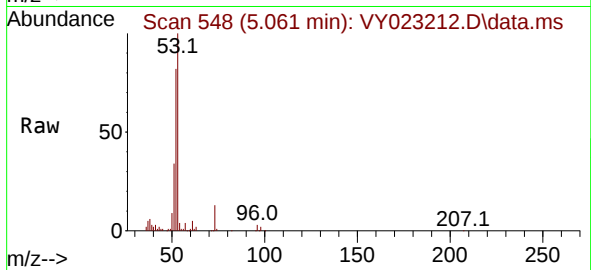
Tgt Ion: 41 Resp: 286240
Ion Ratio Lower Upper
41 100
39 75.4 59.8 89.6
76 45.2 33.7 50.5



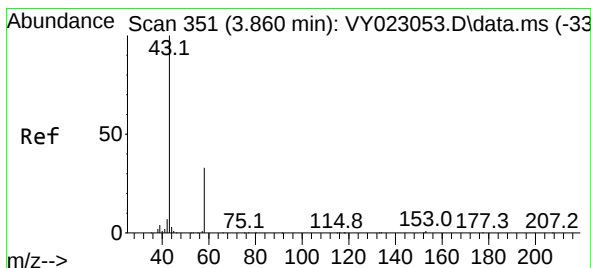
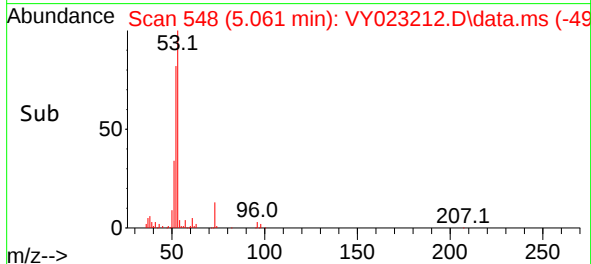
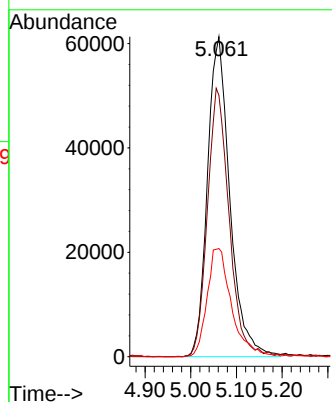


#15
Acrylonitrile
Concen: 221.356 ug/l
RT: 5.061 min Scan# 546
Delta R.T. 0.012 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Instrument :
MSVOA_Y
ClientSampleId :

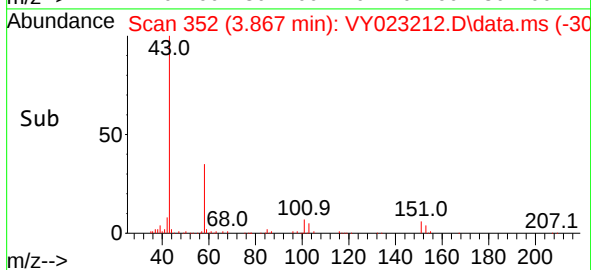
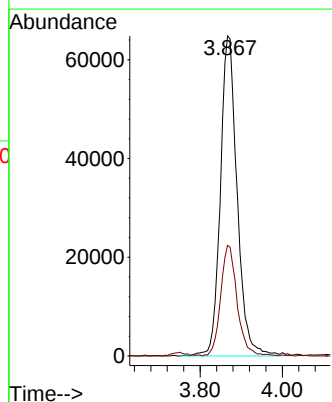
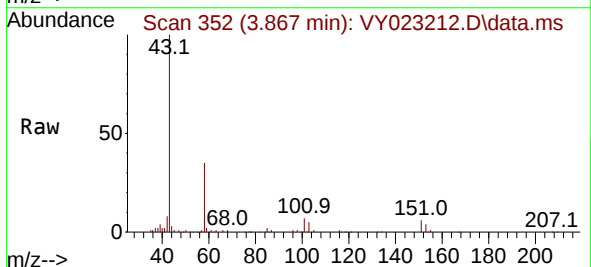


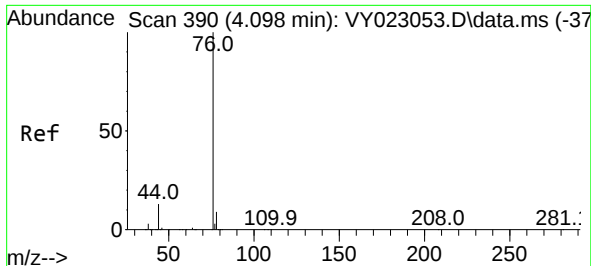
Tgt Ion: 53 Resp: 208959
Ion Ratio Lower Upper
53 100
52 81.7 65.3 97.9
51 37.0 29.5 44.3



#16
Acetone
Concen: 201.244 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 43 Resp: 183517
Ion Ratio Lower Upper
43 100
58 34.4 27.1 40.7

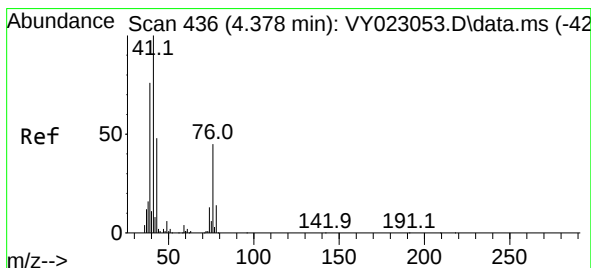
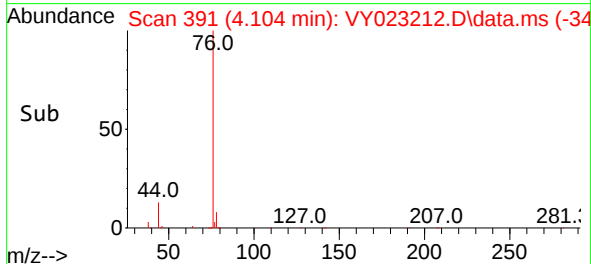
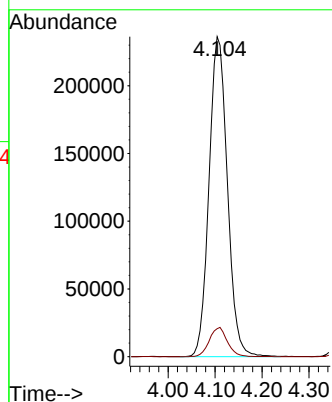
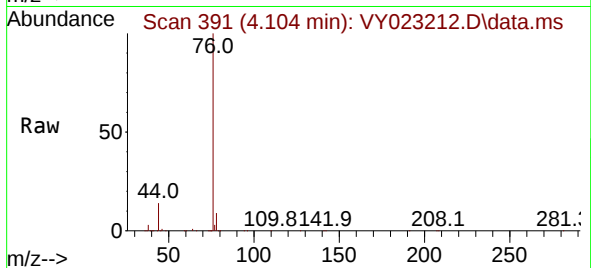




#17
Carbon Disulfide
Concen: 46.116 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

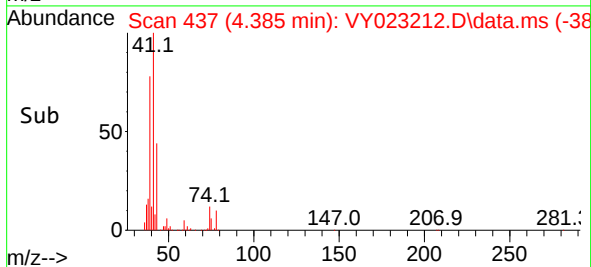
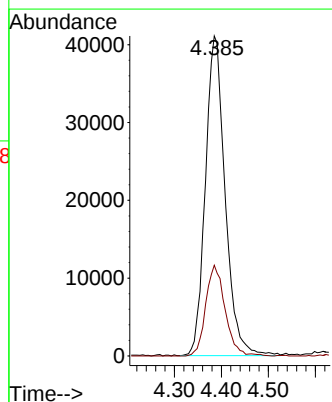
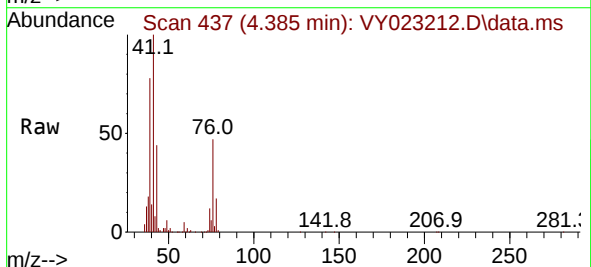
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 639957
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 44.083 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 43 Resp: 119628
Ion Ratio Lower Upper
43 100
74 27.5 21.2 31.8

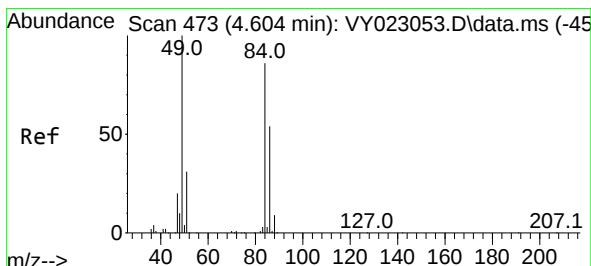
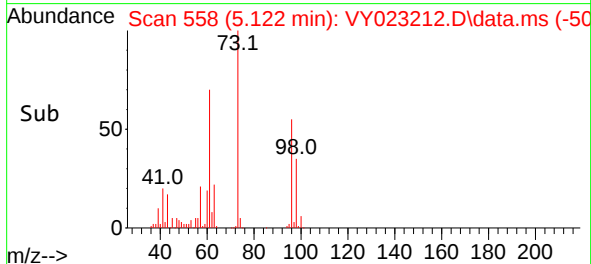
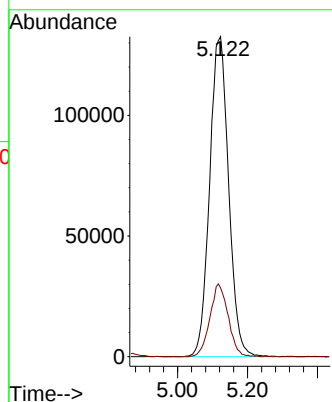
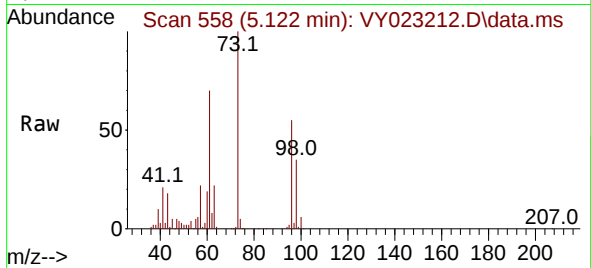




#19
Methyl tert-butyl Ether
Concen: 45.311 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

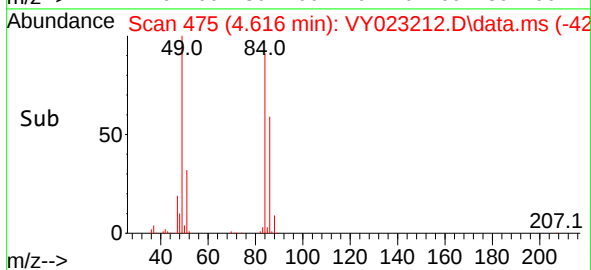
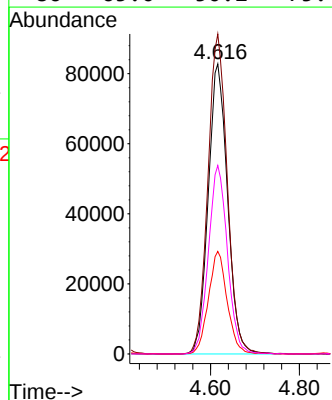
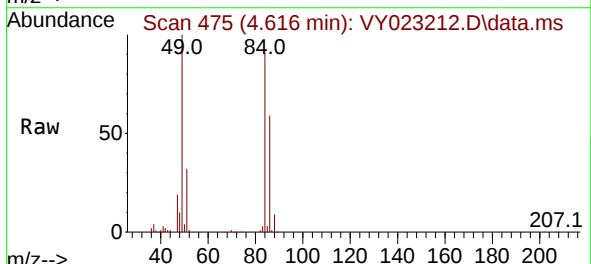
Instrument :
MSVOA_Y
ClientSampleId :

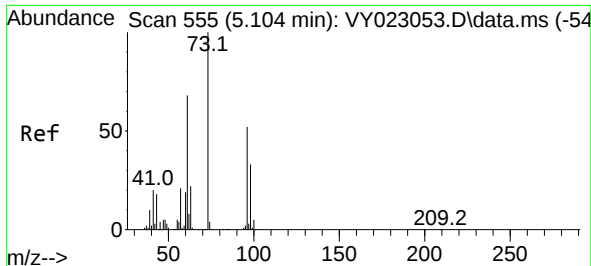
Tgt Ion: 73 Resp: 499714
Ion Ratio Lower Upper
73 100
57 21.5 17.1 25.7



#20
Methylene Chloride
Concen: 52.983 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

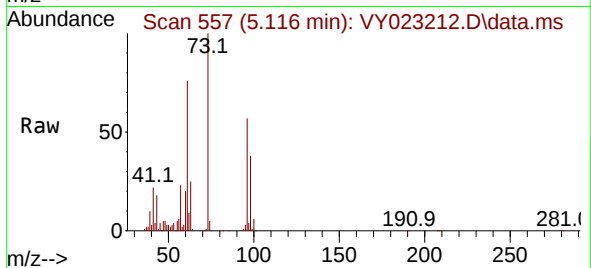
Tgt Ion: 84 Resp: 250297
Ion Ratio Lower Upper
84 100
49 110.3 93.0 139.6
51 35.3 29.0 43.4
86 65.0 50.2 75.4



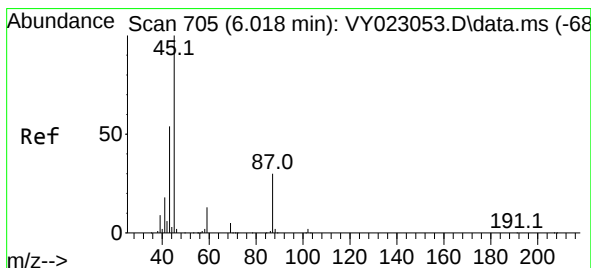
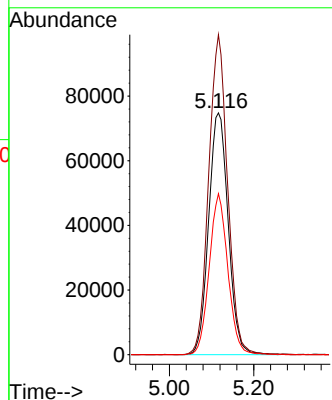
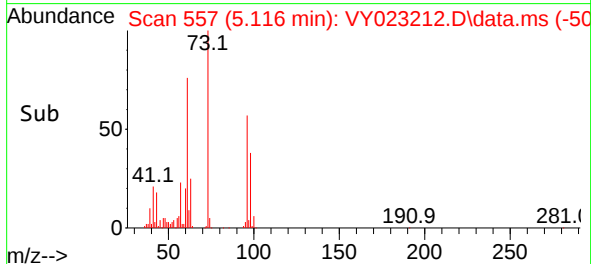


#21
trans-1,2-Dichloroethene
Concen: 50.420 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

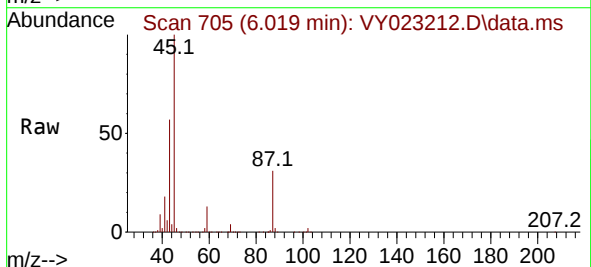
Instrument :
MSVOA_Y
ClientSampleId :



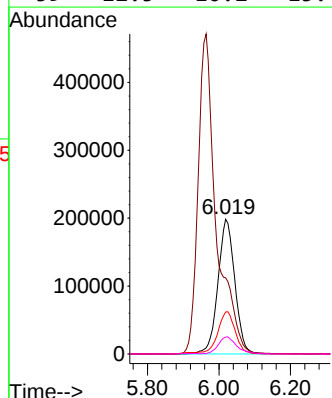
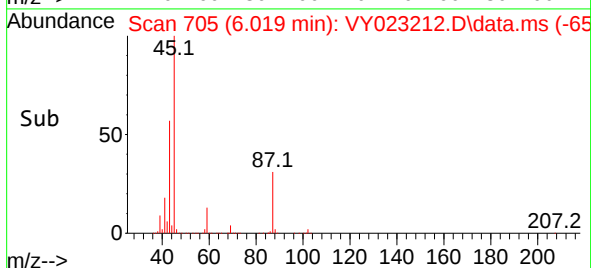
Tgt Ion: 96 Resp: 241149
Ion Ratio Lower Upper
96 100
61 132.2 104.8 157.2
98 66.6 50.1 75.1



#22
Diisopropyl ether
Concen: 47.890 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27



Tgt Ion: 45 Resp: 651704
Ion Ratio Lower Upper
45 100
43 56.4 43.4 65.0
87 31.1 24.4 36.6
59 12.5 10.2 15.4

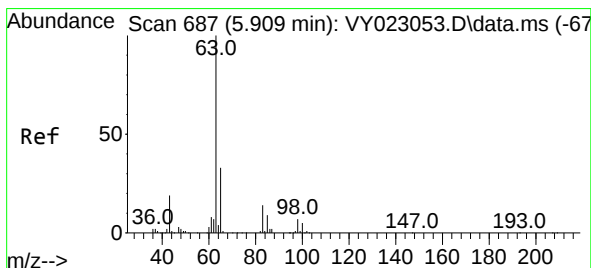
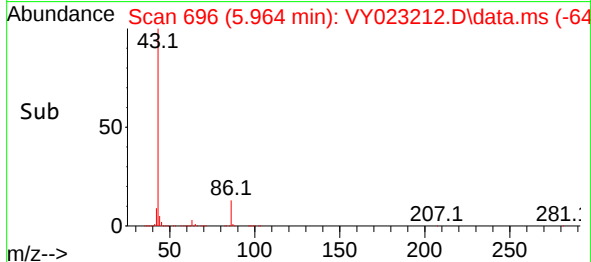
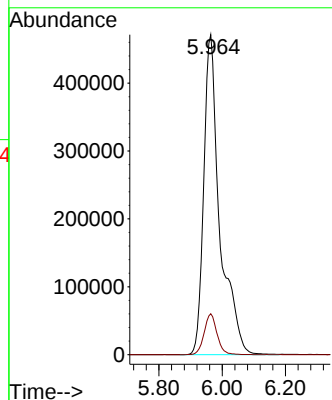
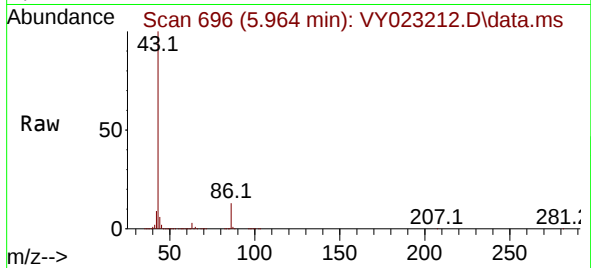




#23
 Vinyl Acetate
 Concen: 221.063 ug/l
 RT: 5.964 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

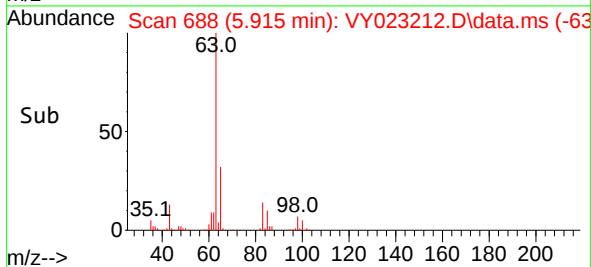
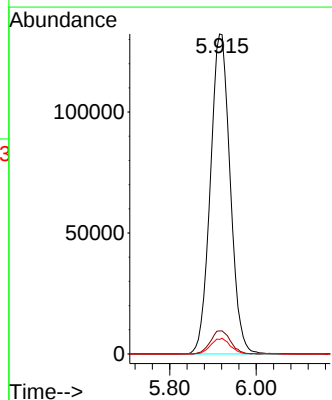
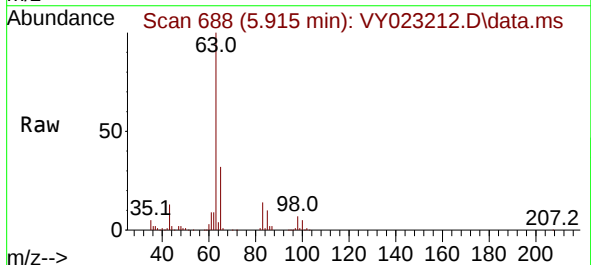
Instrument :
 MSVOA_Y
 ClientSampleId :

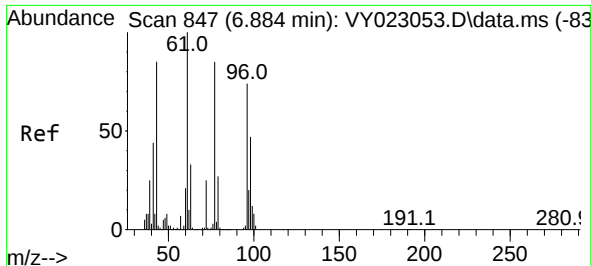
Tgt Ion: 43 Resp: 1663421
 Ion Ratio Lower Upper
 43 100
 86 12.8 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 50.434 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

Tgt Ion: 63 Resp: 419602
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.6
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 201.856 ug/l

RT: 6.897 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

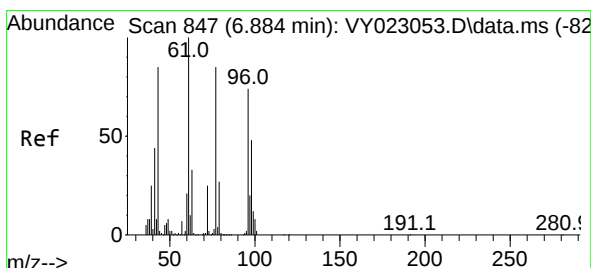
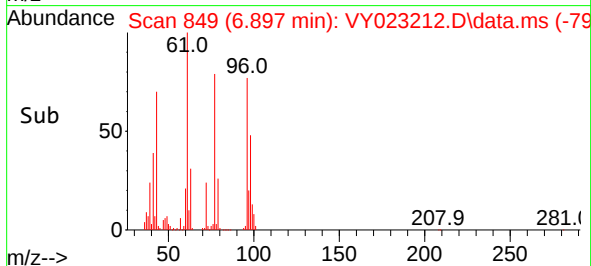
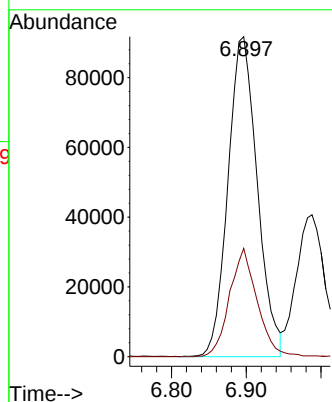
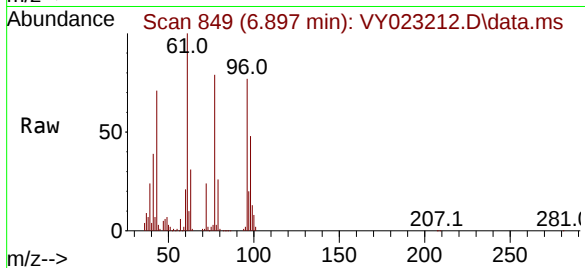
ClientSampleId :

Tgt Ion: 43 Resp: 250350

Ion Ratio Lower Upper

43 100

72 33.9 23.5 35.3



#26

2,2-Dichloropropane

Concen: 49.884 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023212.D

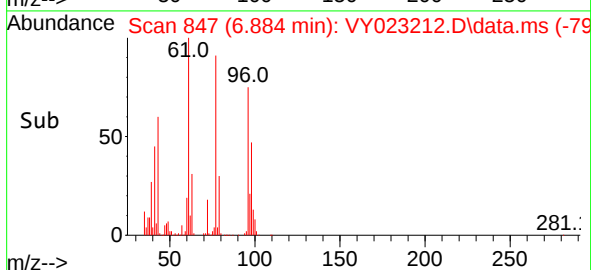
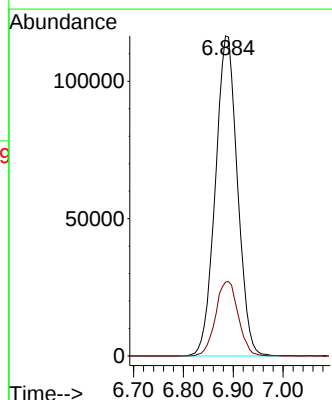
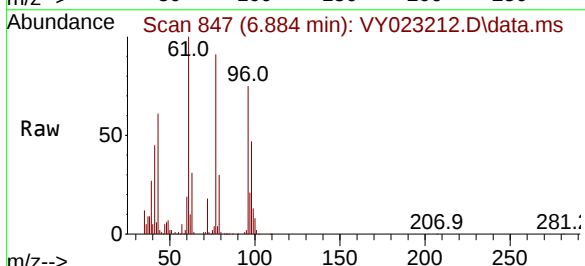
Acq: 25 Aug 2025 16:27

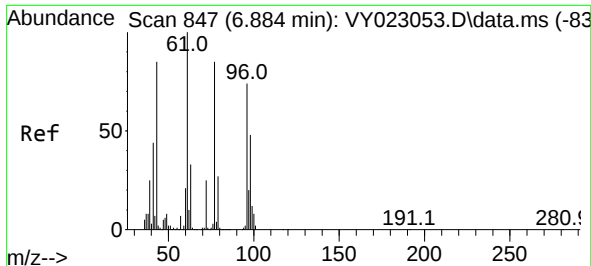
Tgt Ion: 77 Resp: 358119

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 51.646 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

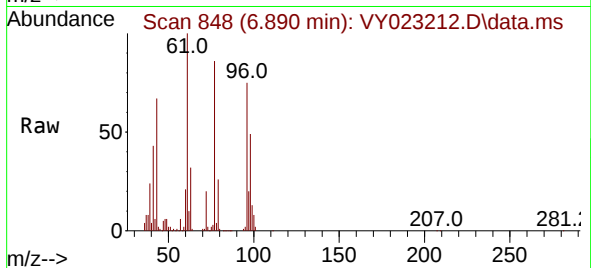
Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :



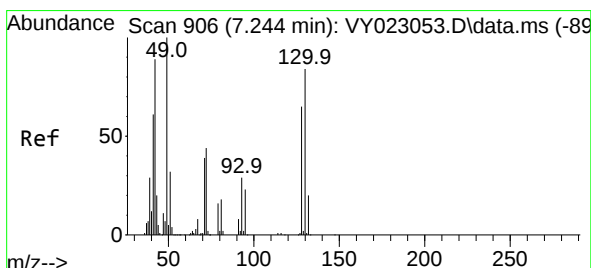
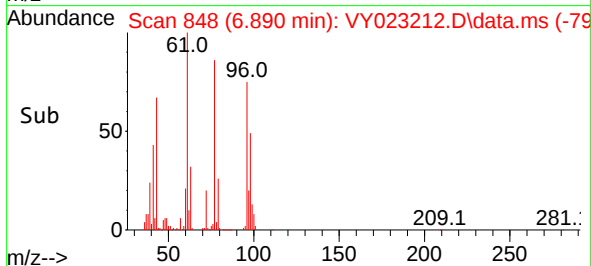
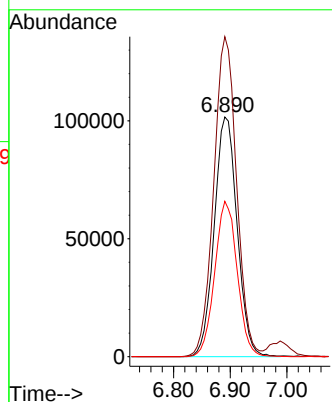
Tgt Ion: 96 Resp: 285562

Ion Ratio Lower Upper

96 100

61 133.1 0.0 278.6

98 63.6 0.0 130.4



#28

Bromochloromethane

Concen: 45.969 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

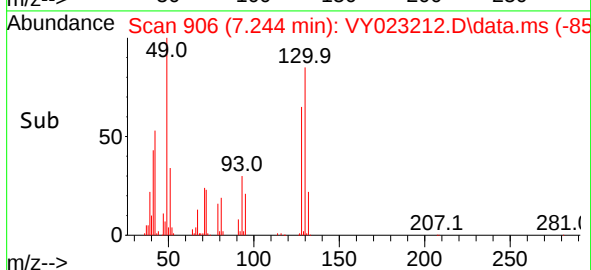
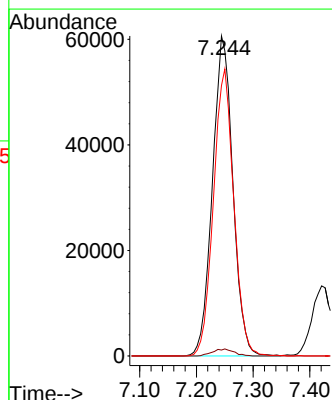
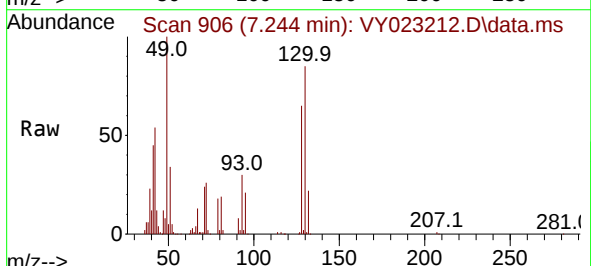
Tgt Ion: 49 Resp: 151736

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 89.3 66.4 99.6





#29

Tetrahydrofuran

Concen: 203.501 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

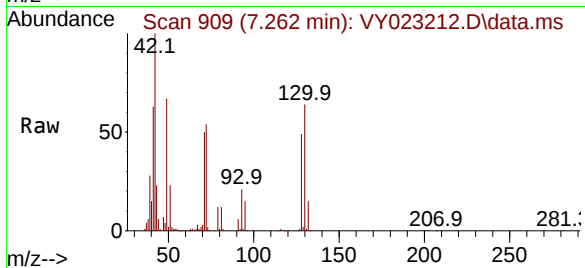
Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :



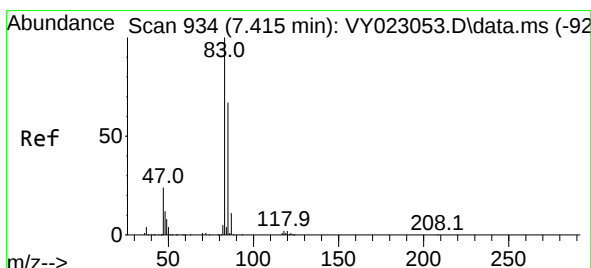
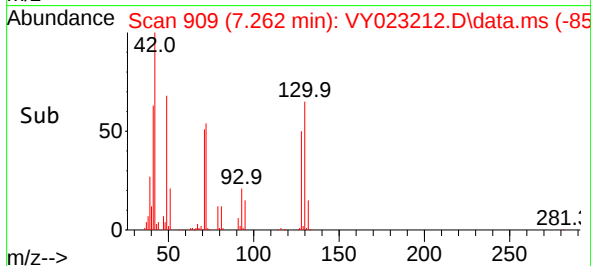
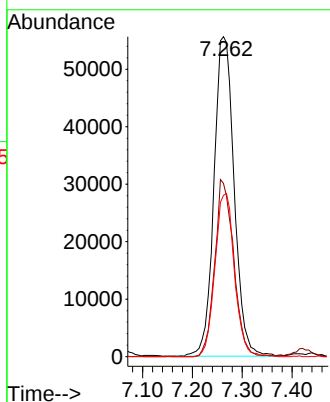
Tgt Ion: 42 Resp: 156446

Ion Ratio Lower Upper

42 100

72 52.2 39.4 59.2

71 49.3 36.5 54.7



#30

Chloroform

Concen: 51.565 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023212.D

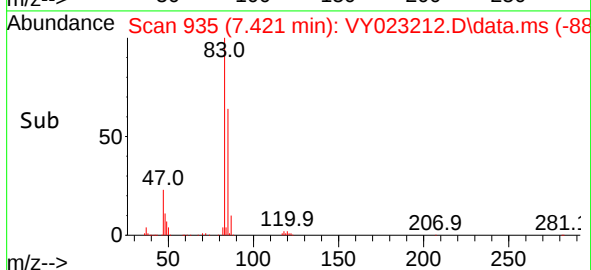
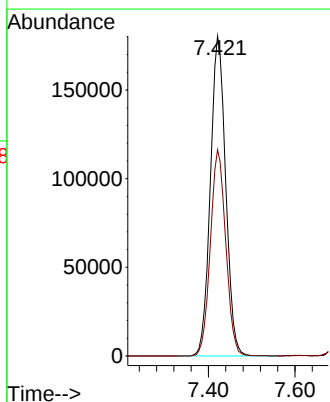
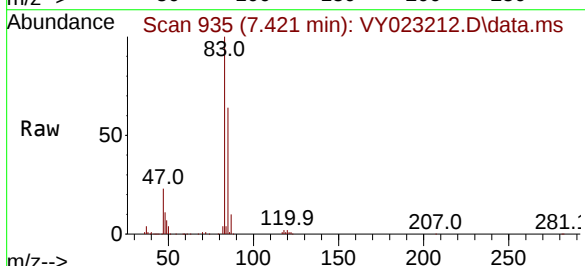
Acq: 25 Aug 2025 16:27

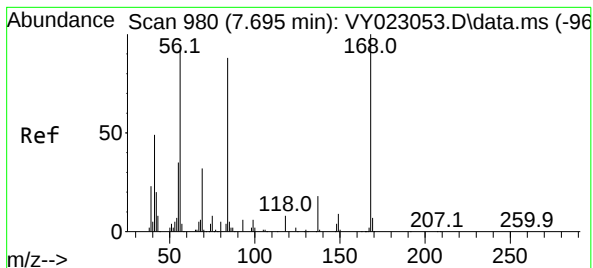
Tgt Ion: 83 Resp: 442453

Ion Ratio Lower Upper

83 100

85 64.5 53.8 80.8





#31

Cyclohexane

Concen: 41.812 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

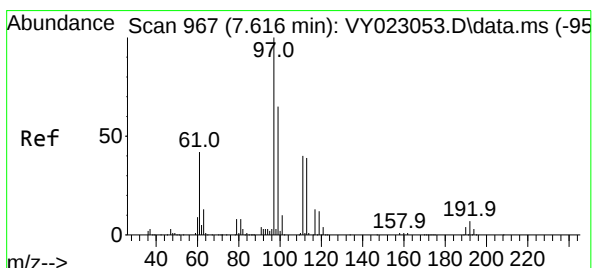
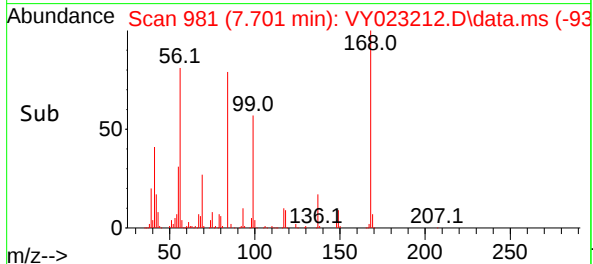
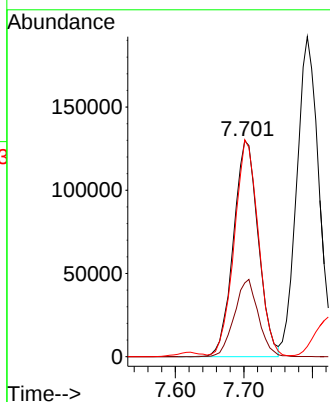
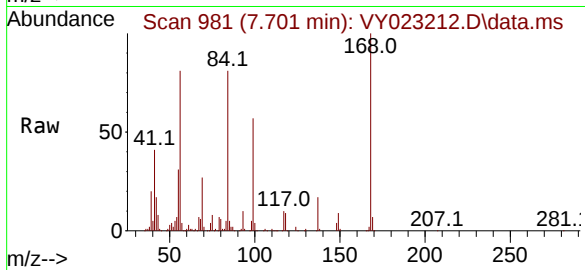
Tgt Ion: 56 Resp: 327814

Ion Ratio Lower Upper

56 100

69 34.1 28.2 42.2

84 99.3 76.6 114.8



#32

1,1,1-Trichloroethane

Concen: 50.375 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

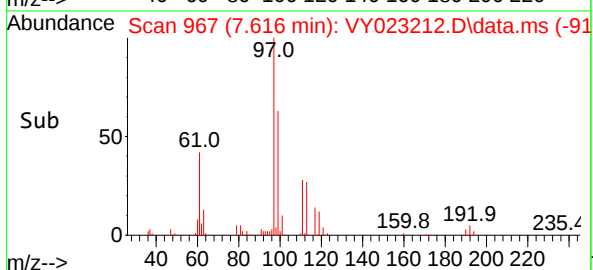
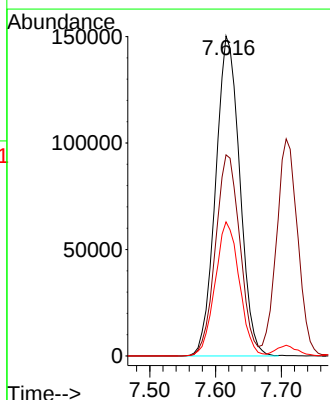
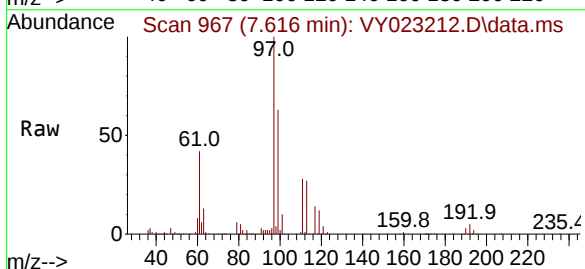
Tgt Ion: 97 Resp: 383531

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 42.2 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.953 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

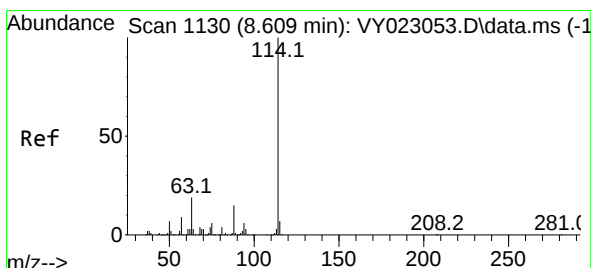
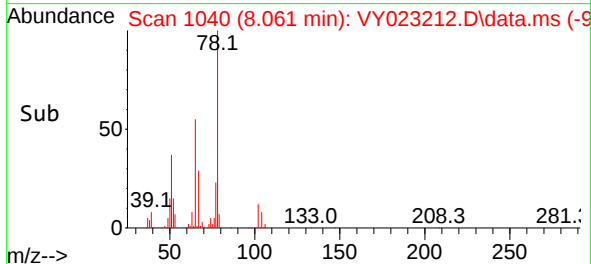
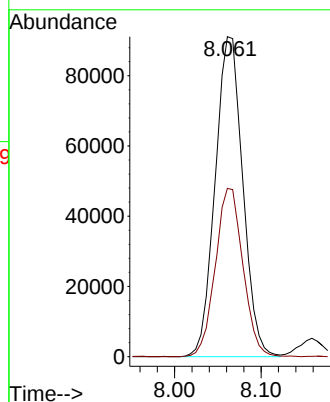
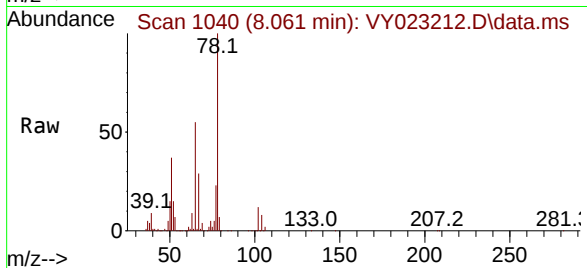
ClientSampleId :

Tgt Ion: 65 Resp: 201848

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

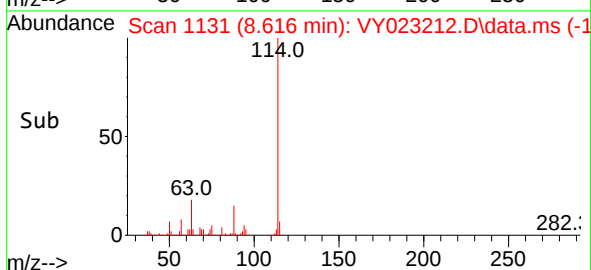
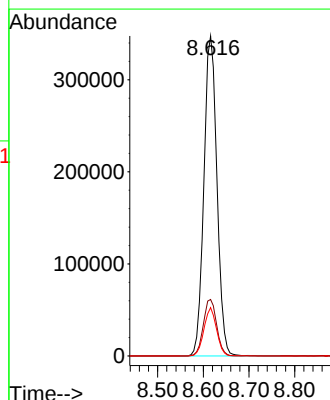
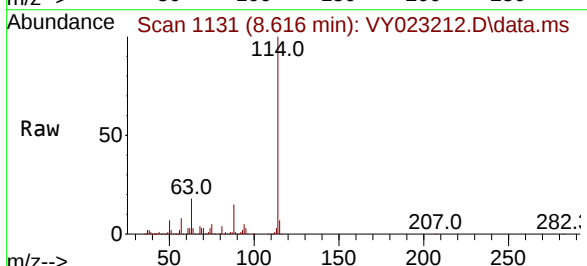
Tgt Ion: 114 Resp: 689410

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.661 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

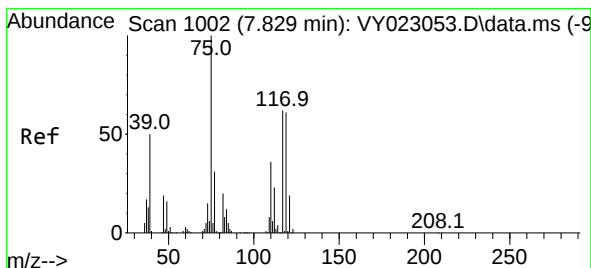
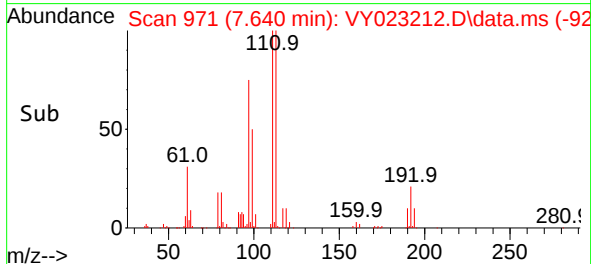
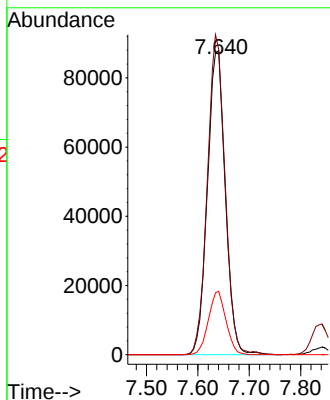
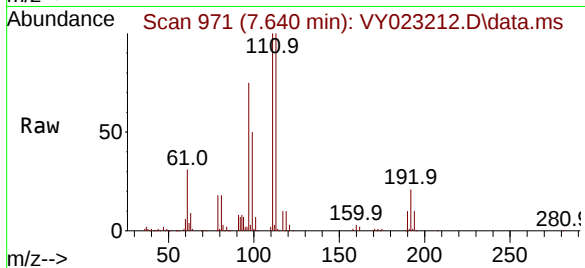
Tgt Ion:113 Resp: 213111

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

192 20.4 16.2 24.4



#36

1,1-Dichloropropene

Concen: 49.992 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

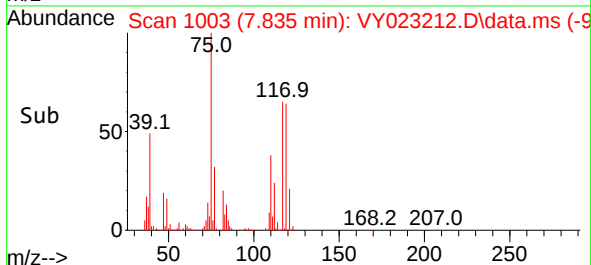
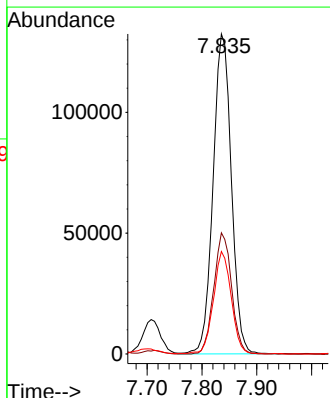
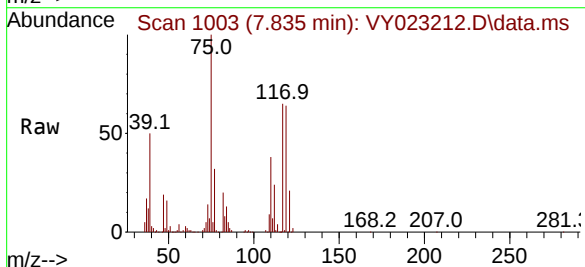
Tgt Ion: 75 Resp: 306485

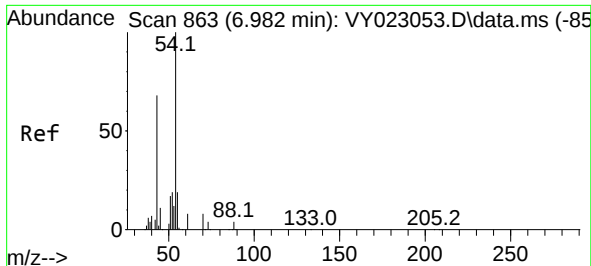
Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.4

77 31.3 24.6 37.0





#37

Ethyl Acetate

Concen: 43.238 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

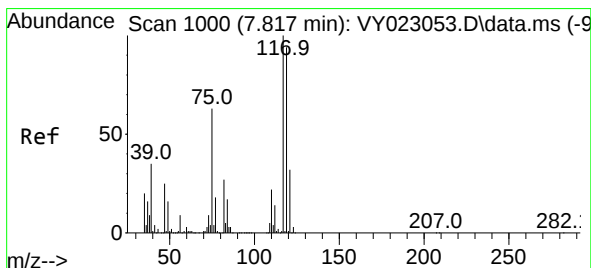
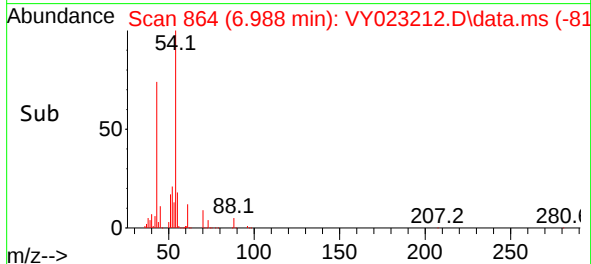
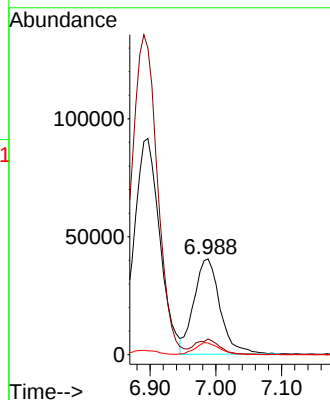
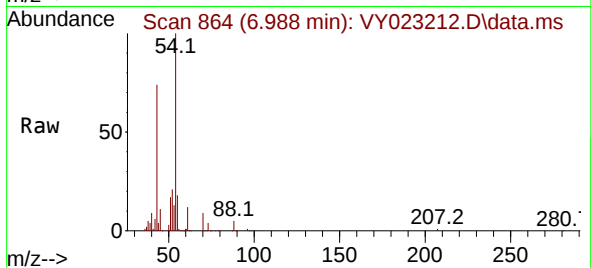
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43 Resp: 111351

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.7	8.8	13.2



#38

Carbon Tetrachloride

Concen: 50.724 ug/l

RT: 7.817 min Scan# 1000

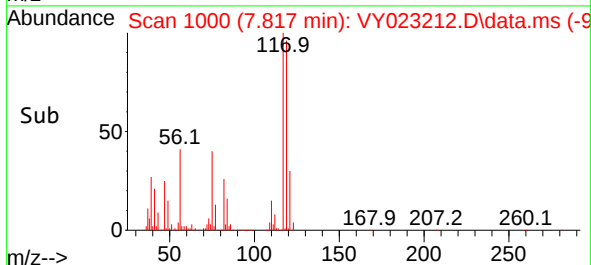
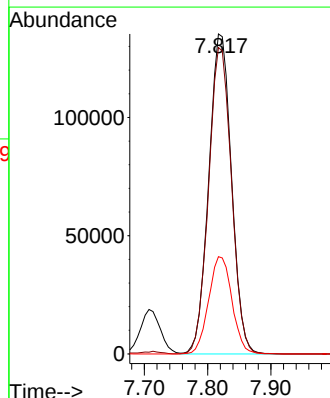
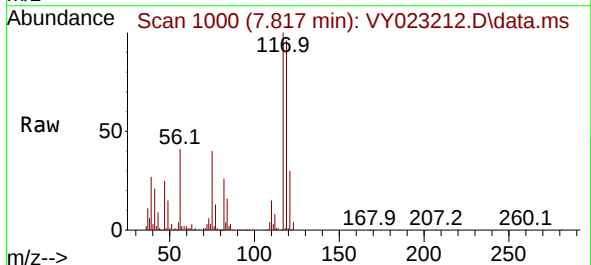
Delta R.T. 0.000 min

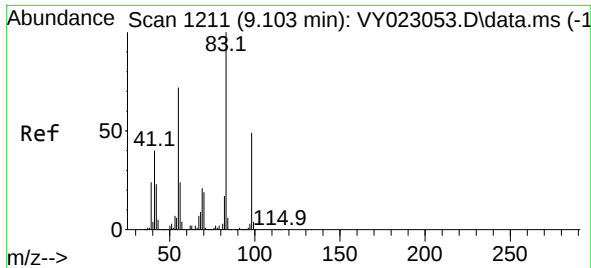
Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Tgt Ion: 117 Resp: 337752

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.6	113.4
121	30.4	25.8	38.8

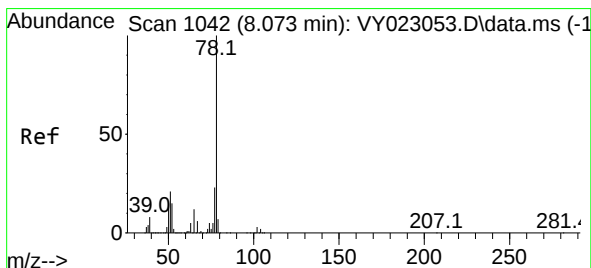
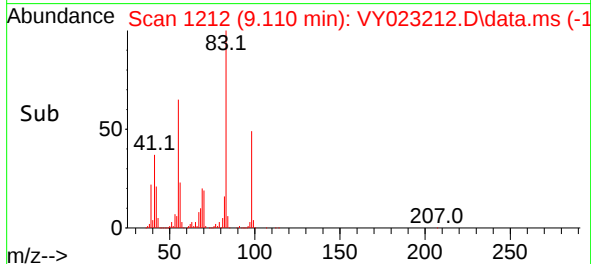
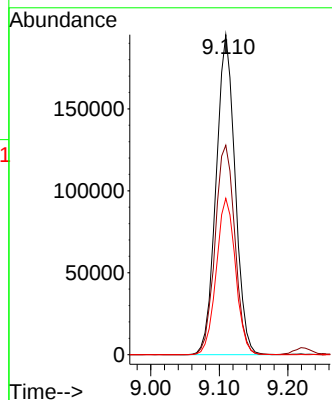
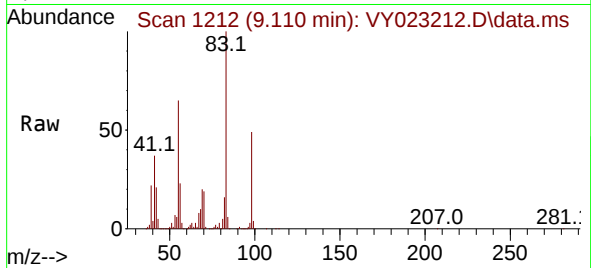




#39
Methylcyclohexane
Concen: 46.542 ug/l
RT: 9.110 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

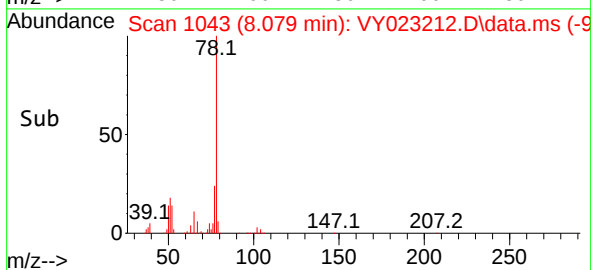
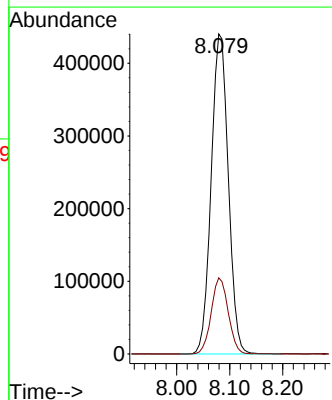
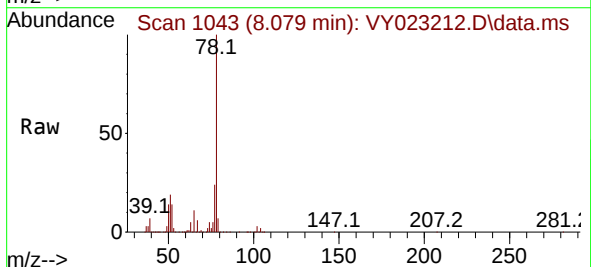
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 375746
Ion Ratio Lower Upper
83 100
55 65.4 57.6 86.4
98 48.8 39.2 58.8



#40
Benzene
Concen: 52.228 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

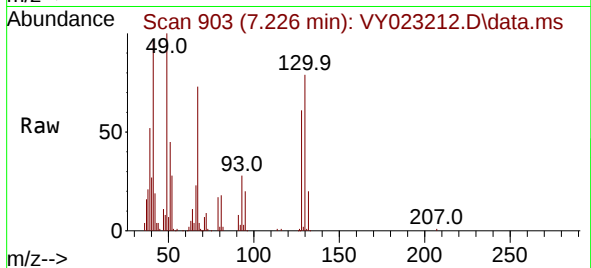
Tgt Ion: 78 Resp: 986883
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0



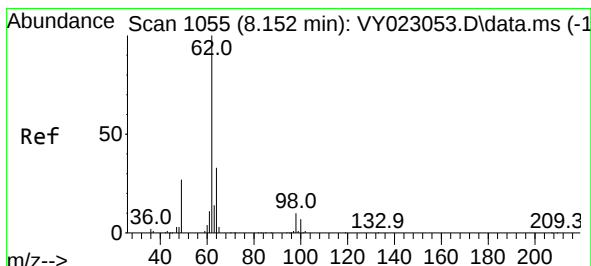
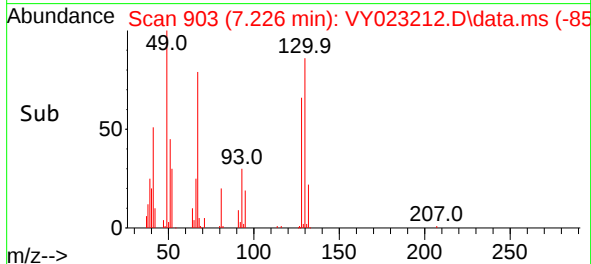
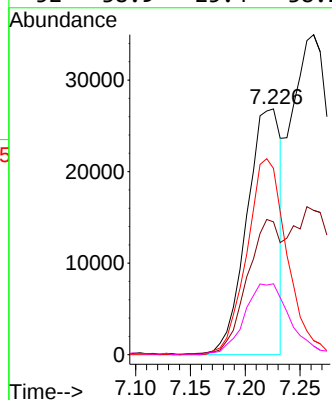


#41
Methacrylonitrile
Concen: 38.811 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Instrument :
MSVOA_Y
ClientSampleId :

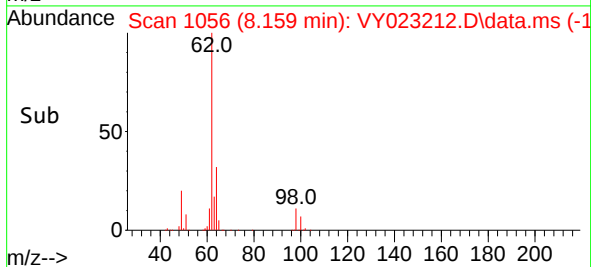
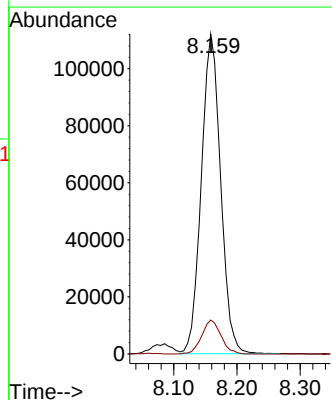
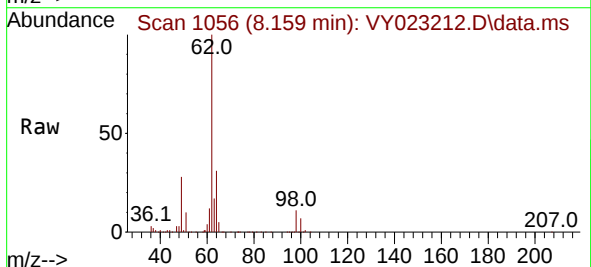


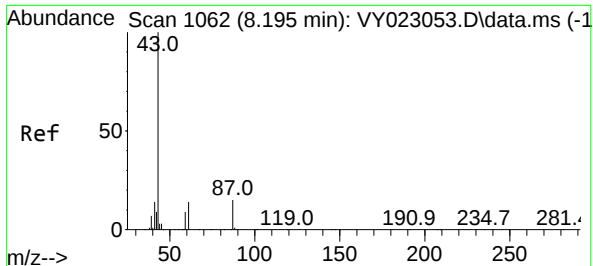
Tgt Ion:	41	Resp:	57684
Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.4	65.2
67	95.3	63.6	95.4
52	38.9	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.532 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion:	62	Resp:	238505
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6

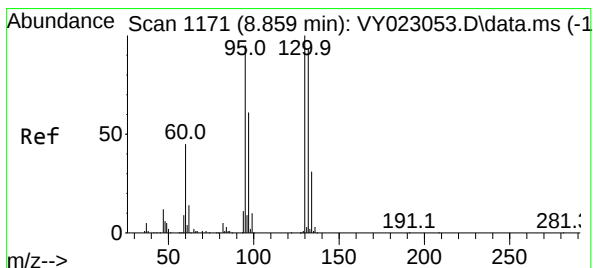
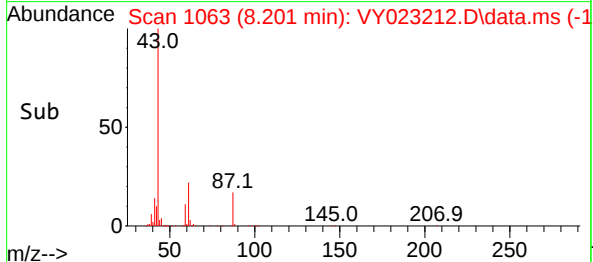
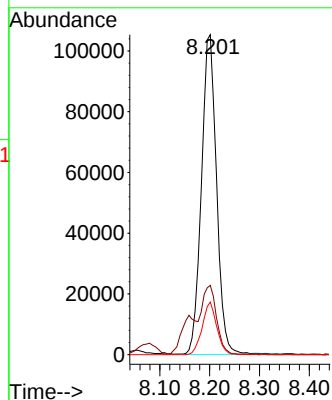
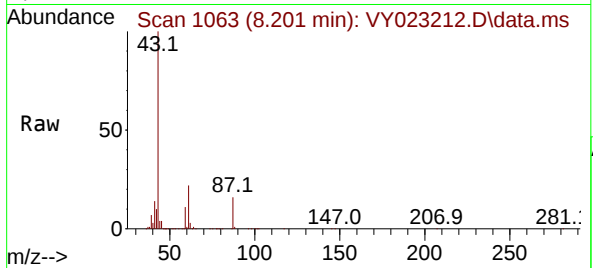




#43
Isopropyl Acetate
Concen: 42.578 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

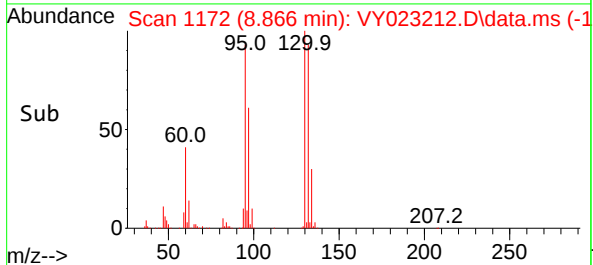
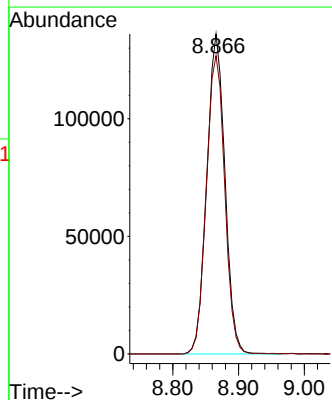
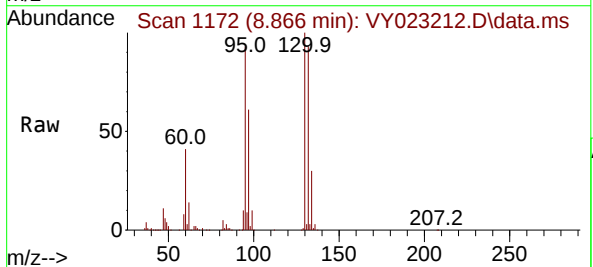
Instrument :
MSVOA_Y
ClientSampleId :

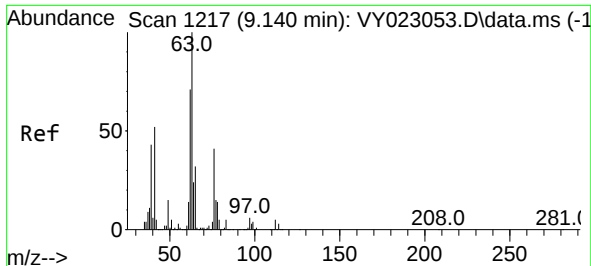
Tgt Ion: 43 Resp: 221627
Ion Ratio Lower Upper
43 100
61 20.4 16.4 24.6
87 15.9 11.8 17.6



#44
Trichloroethene
Concen: 53.380 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion:130 Resp: 260658
Ion Ratio Lower Upper
130 100
95 93.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 51.002 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

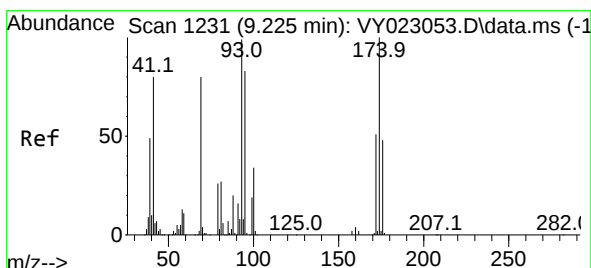
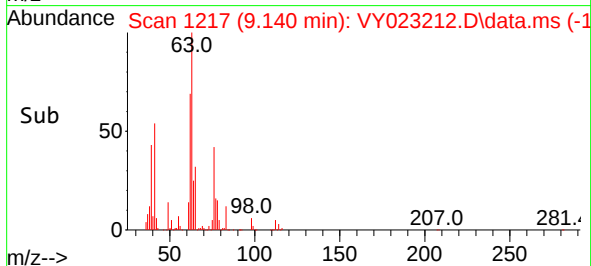
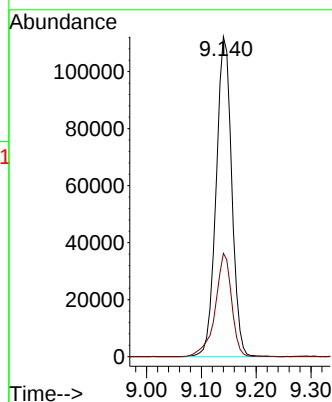
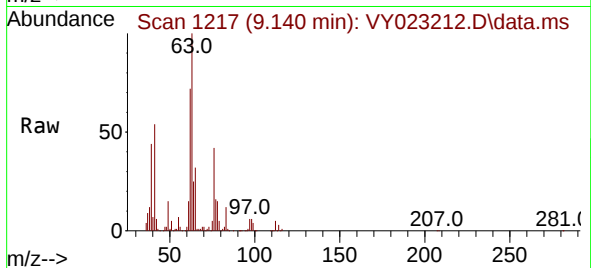
ClientSampleId :

Tgt Ion: 63 Resp: 221740

Ion Ratio Lower Upper

63 100

65 32.3 25.3 37.9



#46

Dibromomethane

Concen: 50.314 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

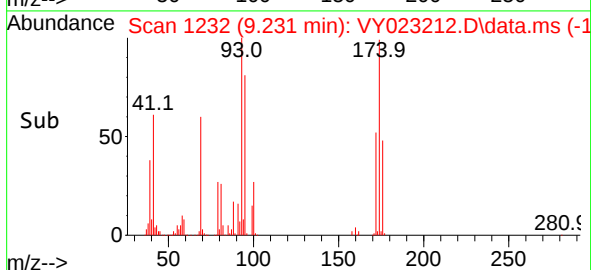
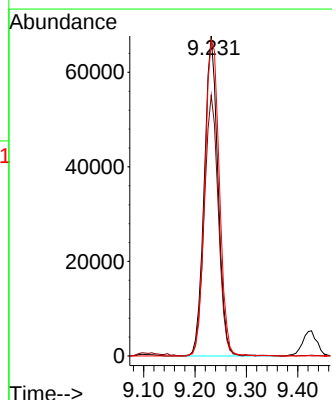
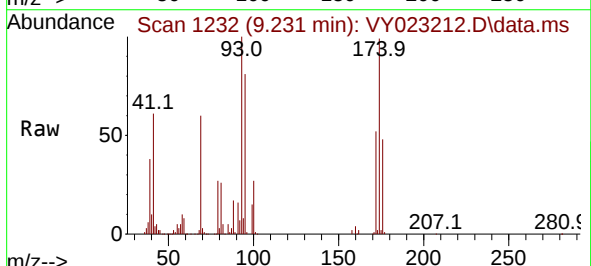
Tgt Ion: 93 Resp: 125554

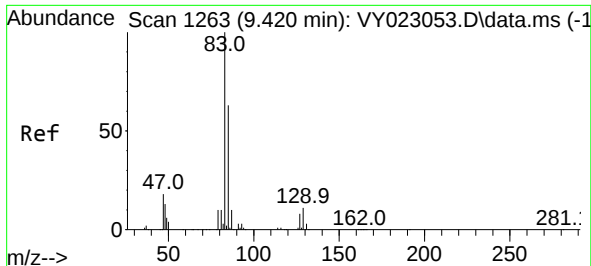
Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

174 104.0 81.8 122.8

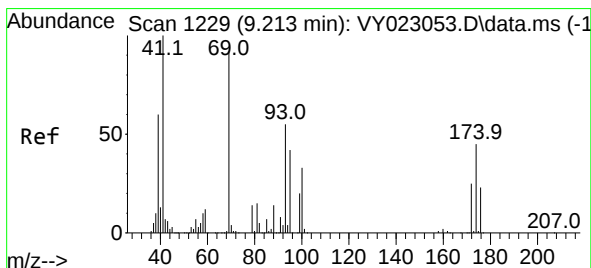
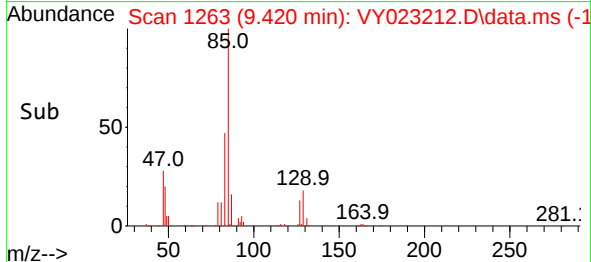
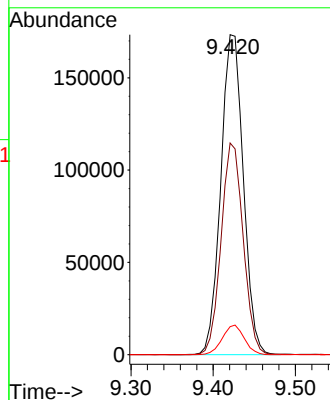
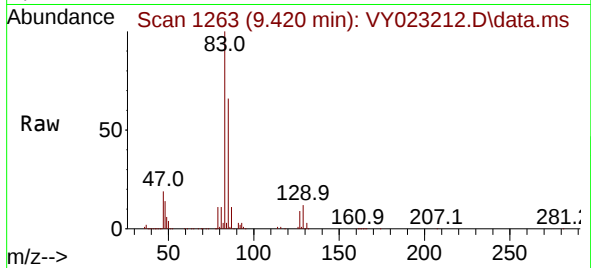




#47
Bromodichloromethane
Concen: 51.511 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

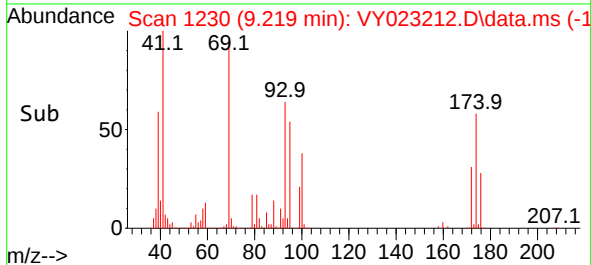
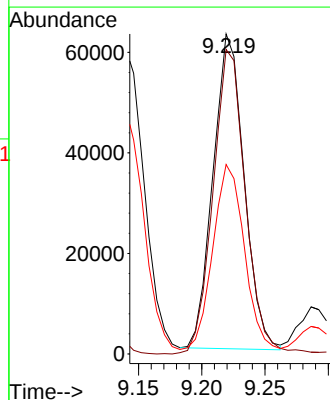
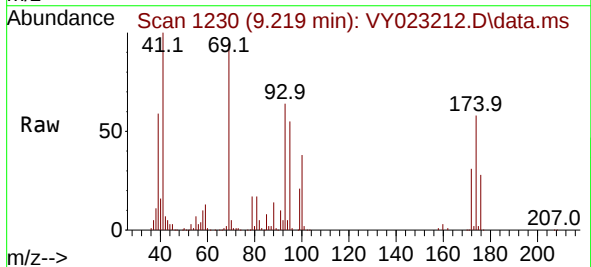
Instrument :
MSVOA_Y
ClientSampleId :

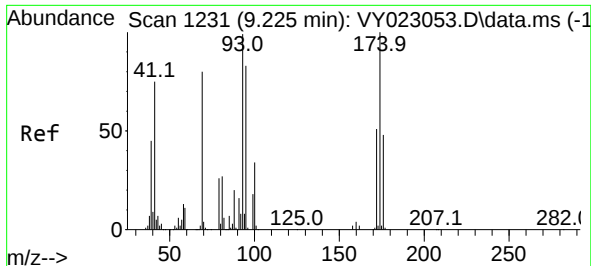
Tgt Ion: 83 Resp: 330754
Ion Ratio Lower Upper
83 100
85 66.2 50.2 75.4
127 8.8 6.6 10.0



#48
Methyl methacrylate
Concen: 42.914 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 41 Resp: 106889
Ion Ratio Lower Upper
41 100
69 101.3 73.2 109.8
39 59.7 47.0 70.4





#49

1,4-Dioxane

Concen: 896.218 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

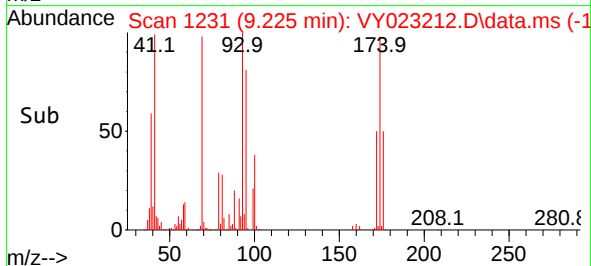
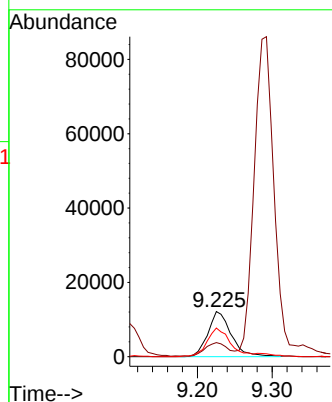
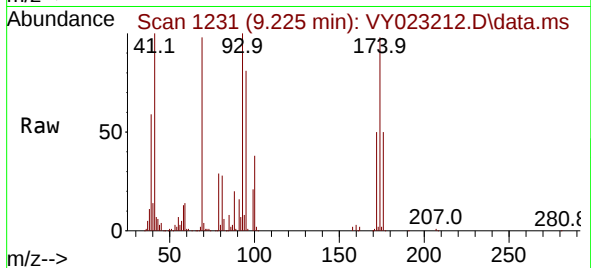
Tgt Ion: 88 Resp: 26223

Ion Ratio Lower Upper

88 100

43 28.8 24.3 36.5

58 62.9 55.4 83.0



#50

Toluene-d8

Concen: 52.474 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023212.D

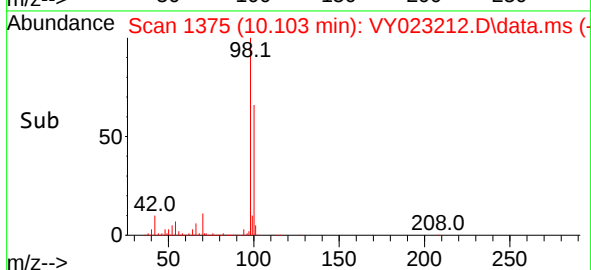
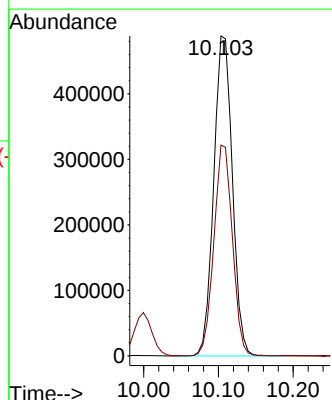
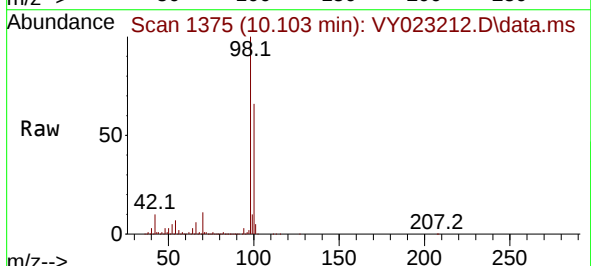
Acq: 25 Aug 2025 16:27

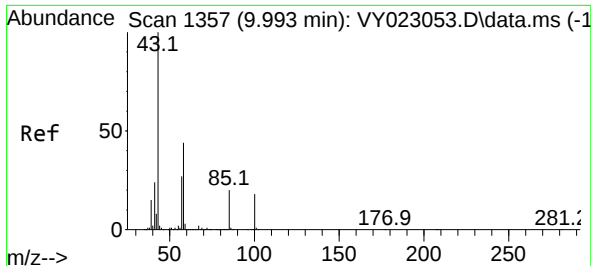
Tgt Ion: 98 Resp: 845636

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5

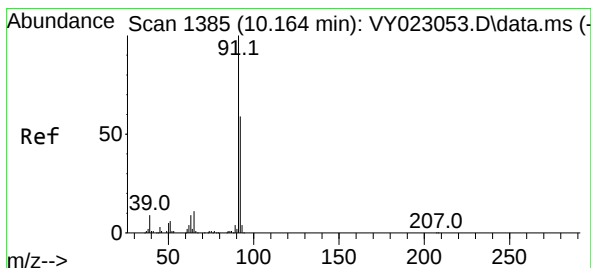
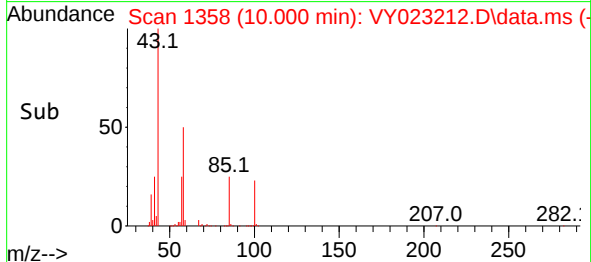
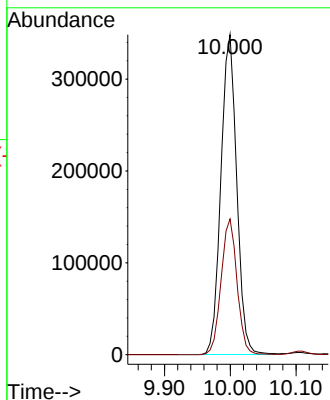
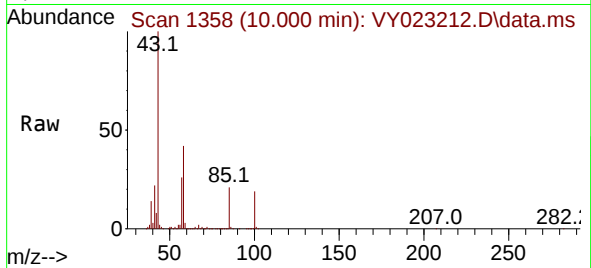




#51
4-Methyl-2-Pentanone
Concen: 217.297 ug/l
RT: 10.000 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

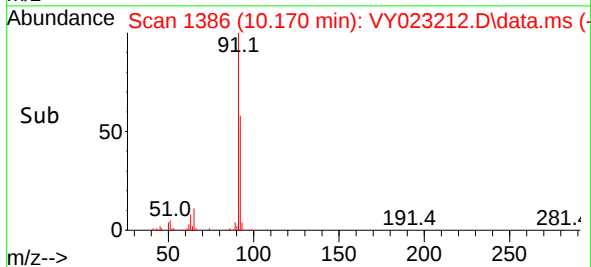
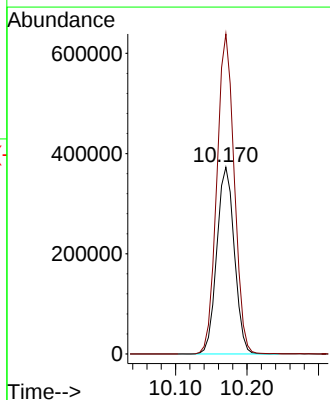
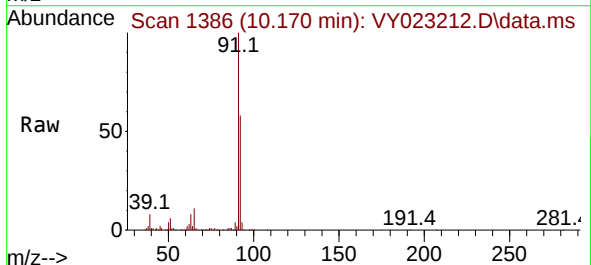
Instrument :
MSVOA_Y
ClientSampleId :

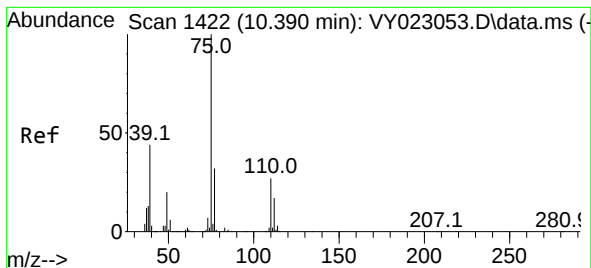
Tgt Ion: 43 Resp: 583432
Ion Ratio Lower Upper
43 100
58 42.7 33.5 50.3



#52
Toluene
Concen: 52.908 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 92 Resp: 634951
Ion Ratio Lower Upper
92 100
91 170.0 136.4 204.6

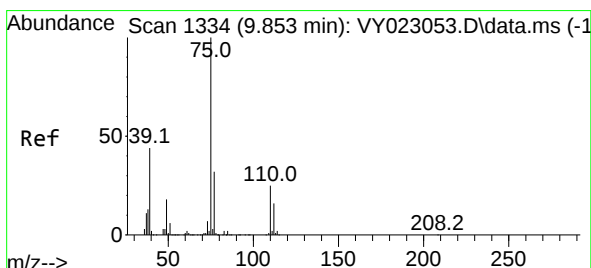
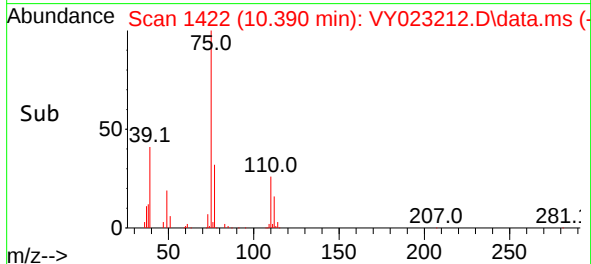
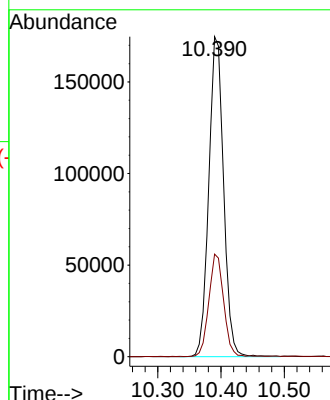
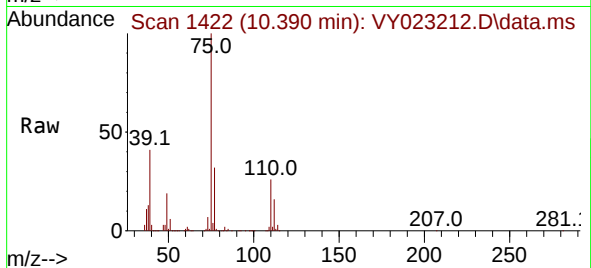




#53
t-1,3-Dichloropropene
Concen: 49.020 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

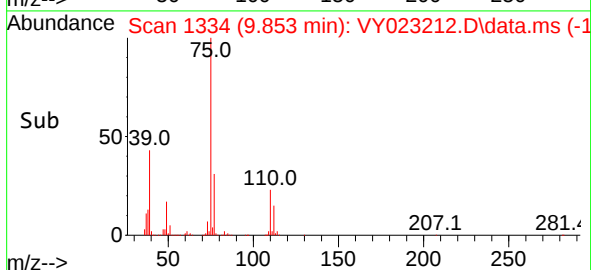
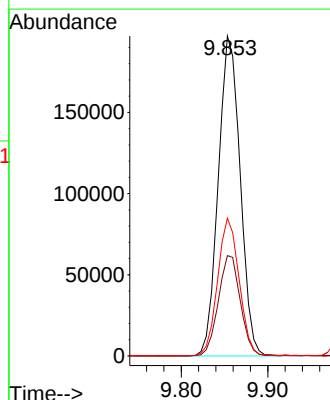
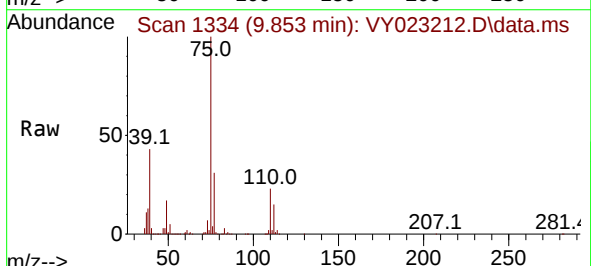
Instrument :
MSVOA_Y
ClientSampleId :

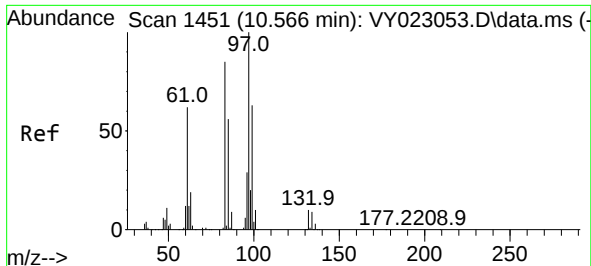
Tgt Ion: 75 Resp: 285029
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 50.303 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 75 Resp: 345867
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 43.0 35.6 53.4



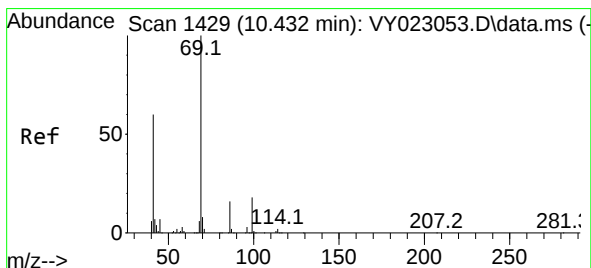
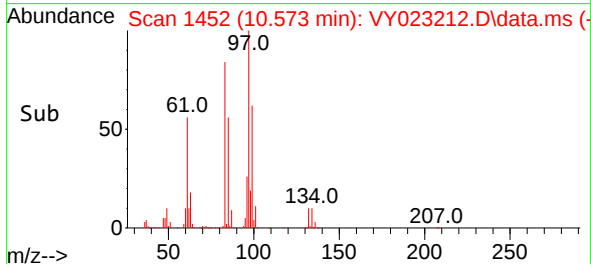
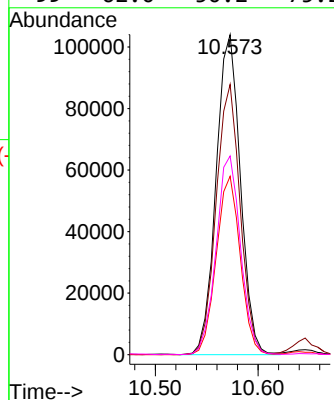
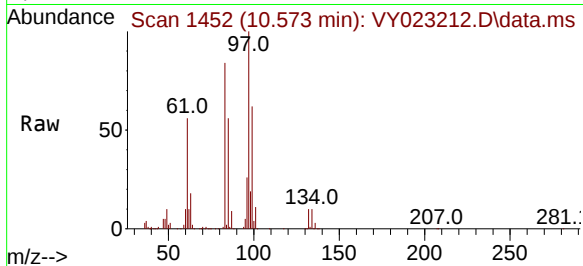


#55
1,1,2-Trichloroethane
Concen: 51.166 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 97 Resp: 170850

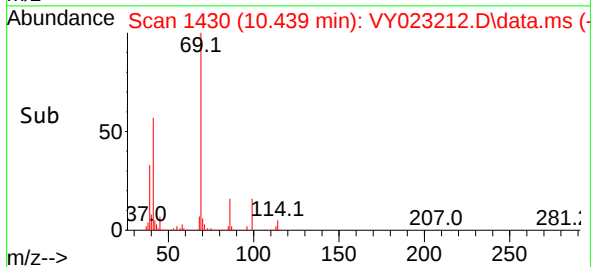
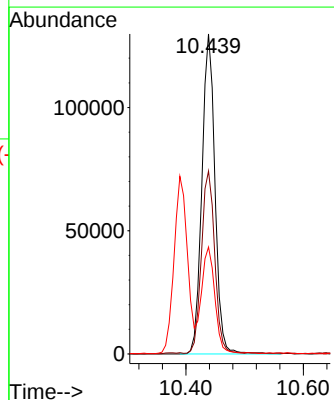
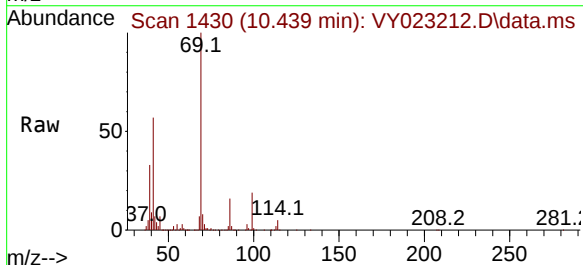
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	55.7	44.5	66.7
99	62.0	50.2	75.2

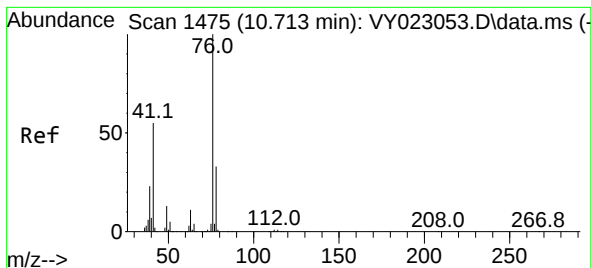


#56
Ethyl methacrylate
Concen: 46.847 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 69 Resp: 200167

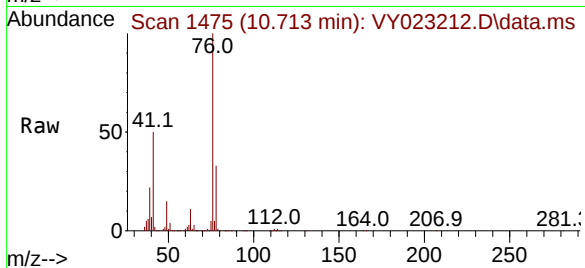
Ion	Ratio	Lower	Upper
69	100		
41	58.1	48.6	72.8
39	34.0	27.0	40.4



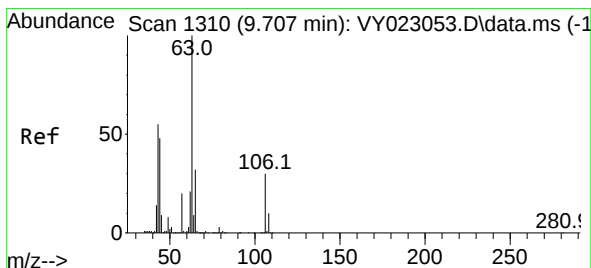
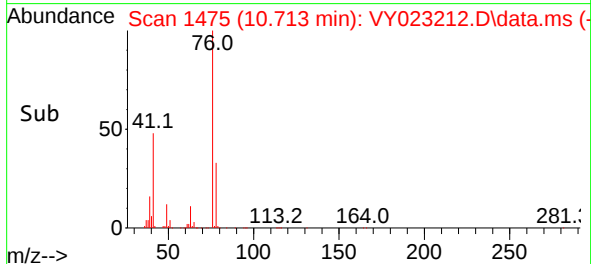
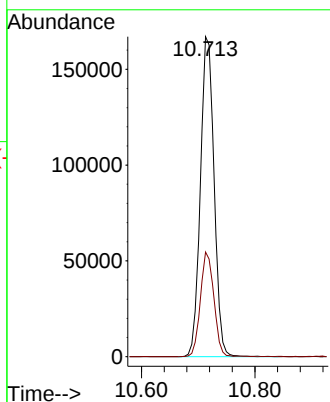


#57
1,3-Dichloropropane
Concen: 49.441 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Instrument :
MSVOA_Y
ClientSampleId :

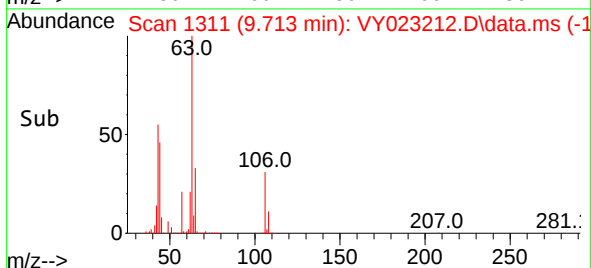
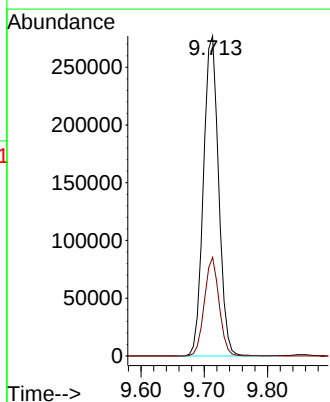
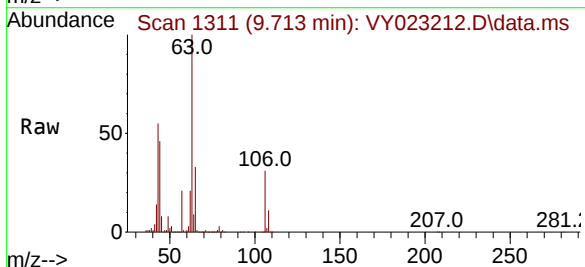


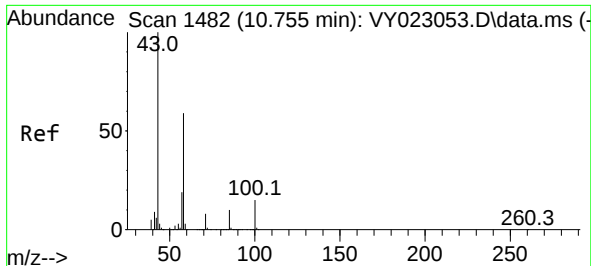
Tgt Ion: 76 Resp: 279980
Ion Ratio Lower Upper
76 100
78 32.2 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 229.935 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 63 Resp: 463424
Ion Ratio Lower Upper
63 100
106 29.8 23.2 34.8

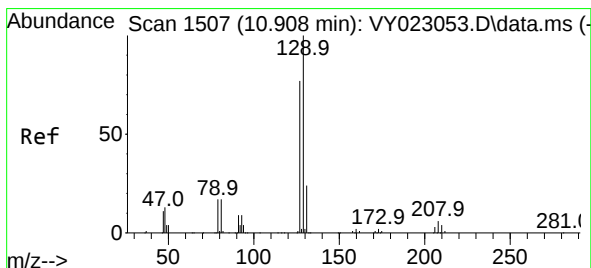
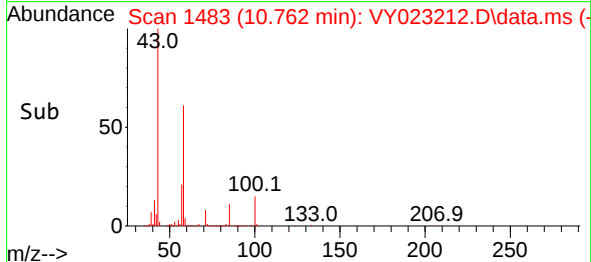
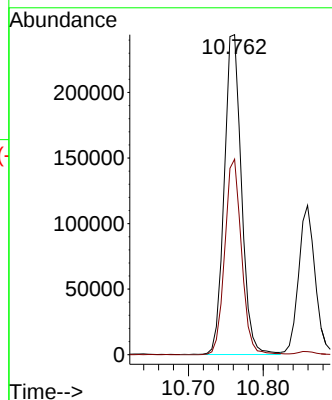
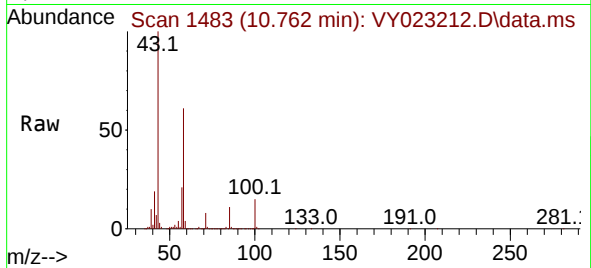




#59
2-Hexanone
Concen: 214.010 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

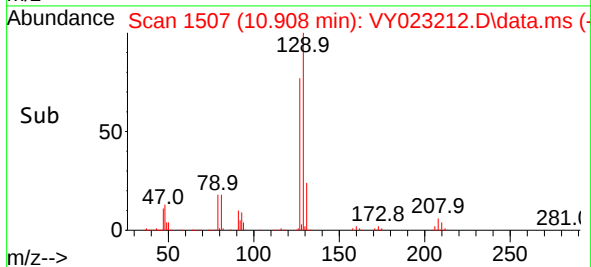
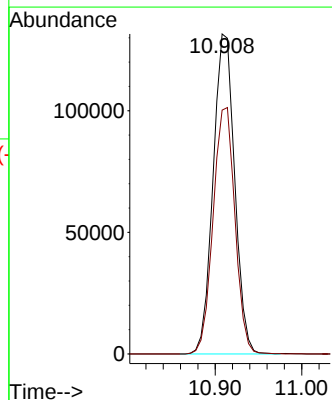
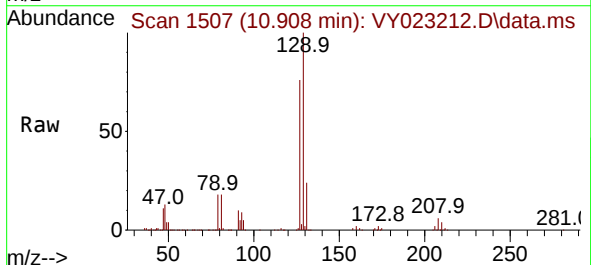
Instrument :
MSVOA_Y
ClientSampleId :

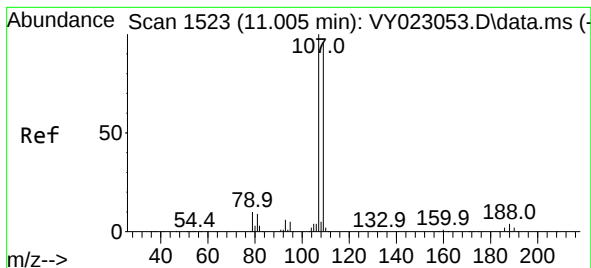
Tgt Ion: 43 Resp: 391267
Ion Ratio Lower Upper
43 100
58 59.4 29.5 88.5



#60
Dibromochloromethane
Concen: 51.680 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 129 Resp: 227701
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

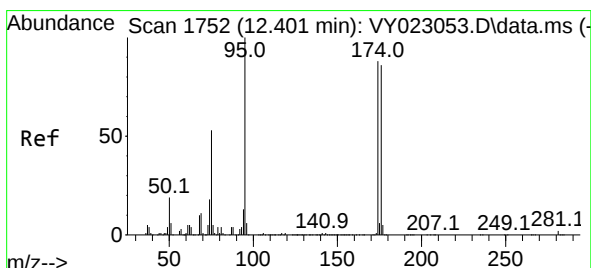
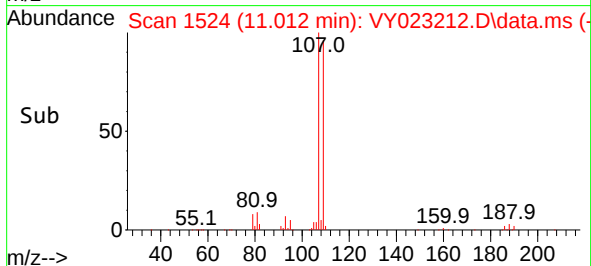
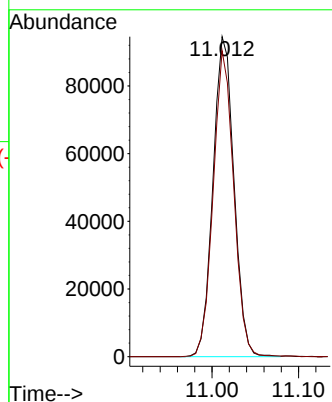
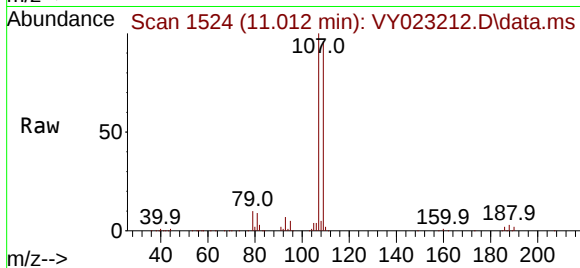




#61
1,2-Dibromoethane
Concen: 50.695 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

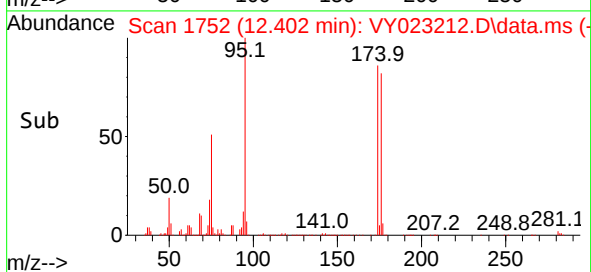
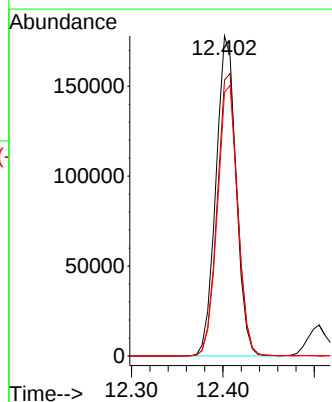
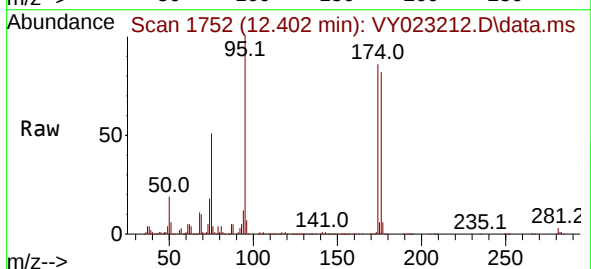
Instrument :
MSVOA_Y
ClientSampleId :

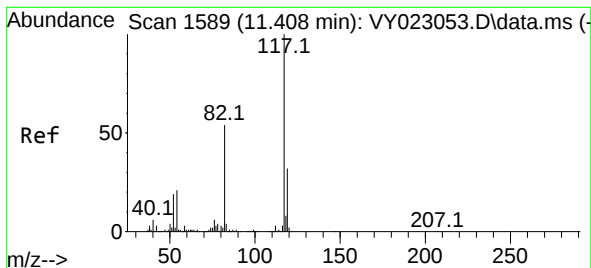
Tgt Ion:107 Resp: 159101
Ion Ratio Lower Upper
107 100
109 93.7 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 52.528 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 95 Resp: 272238
Ion Ratio Lower Upper
95 100
174 89.3 0.0 171.6
176 85.4 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: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

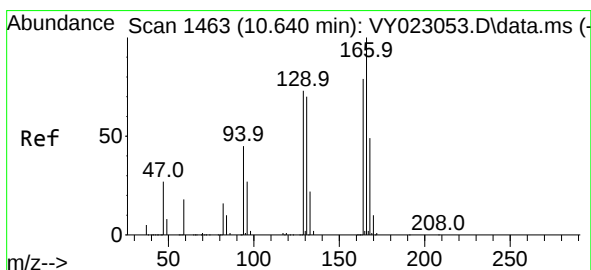
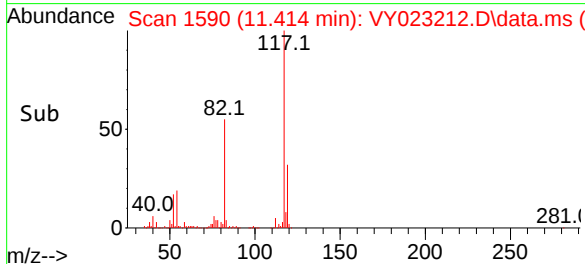
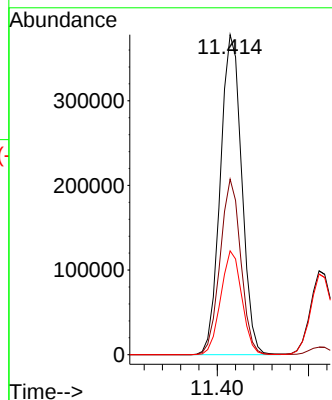
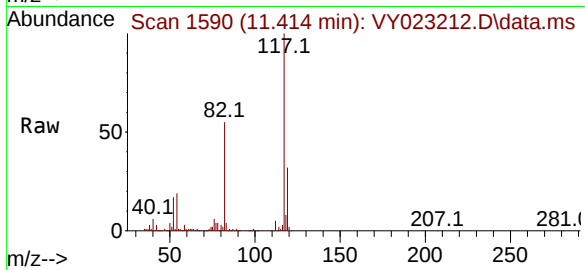
Tgt Ion:117 Resp: 615546

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 32.4 25.6 38.4



#64

Tetrachloroethene

Concen: 56.317 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Tgt Ion:164 Resp: 309544

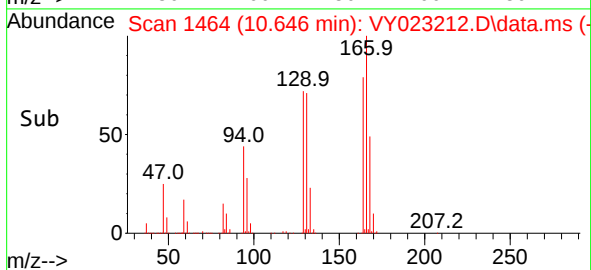
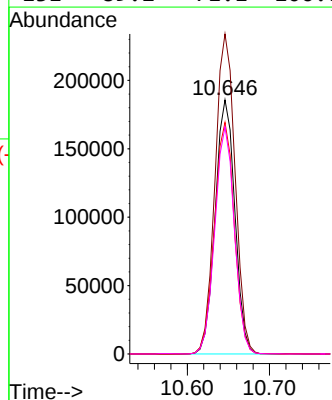
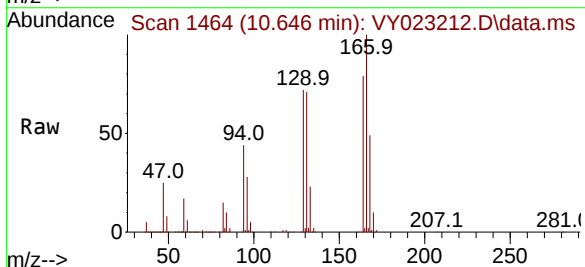
Ion Ratio Lower Upper

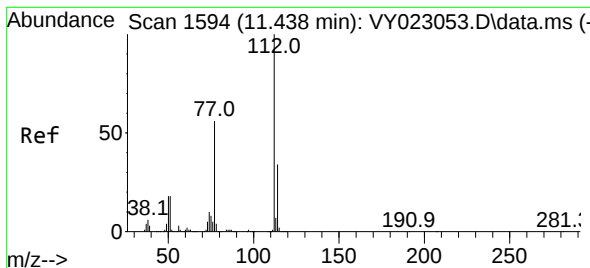
164 100

166 125.9 101.1 151.7

129 91.1 74.0 111.0

131 89.2 71.1 106.7





#65

Chlorobenzene

Concen: 51.892 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

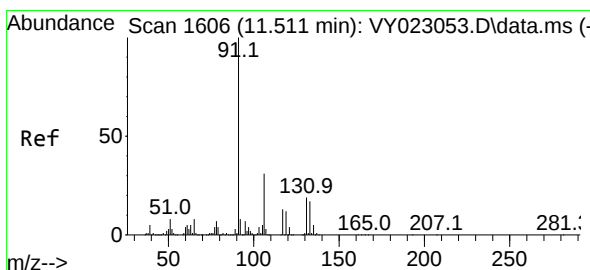
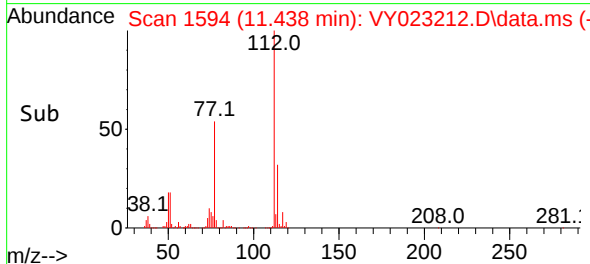
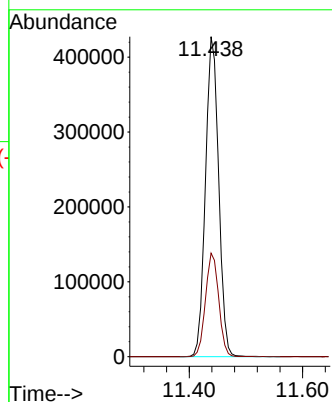
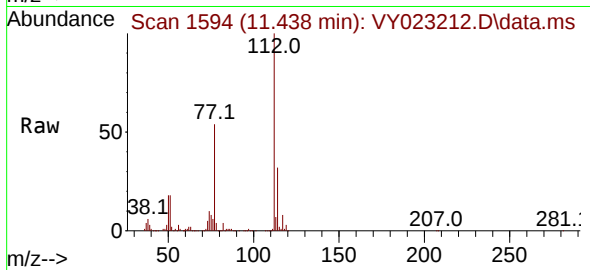
ClientSampleId :

Tgt Ion:112 Resp: 688996

Ion Ratio Lower Upper

112 100

114 32.3 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 52.781 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

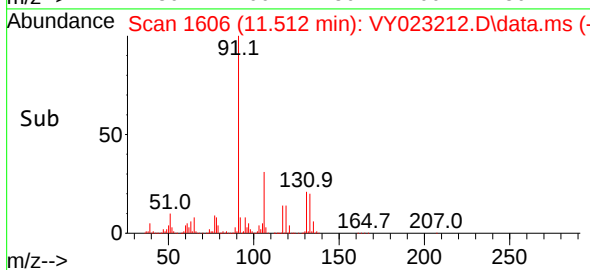
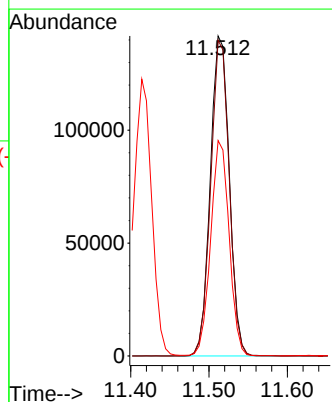
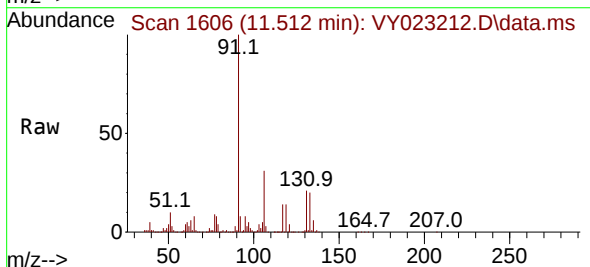
Tgt Ion:131 Resp: 237841

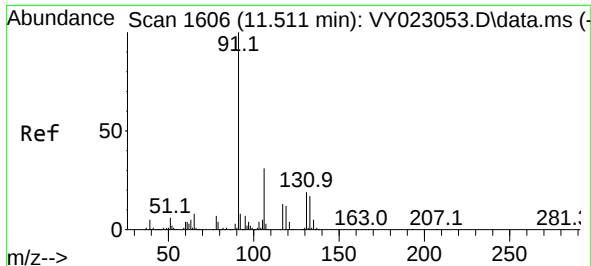
Ion Ratio Lower Upper

131 100

133 96.6 46.9 140.6

119 65.8 33.2 99.6





#67

Ethyl Benzene

Concen: 52.018 ug/l

RT: 11.518 min Scan# 1606

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

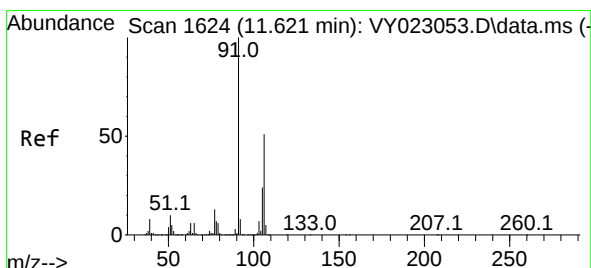
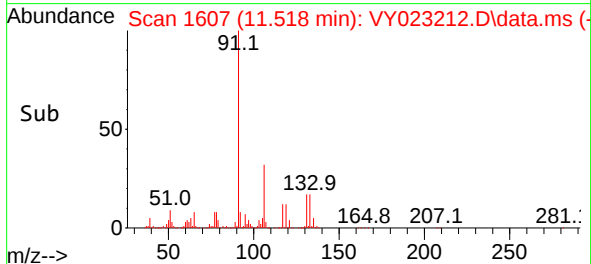
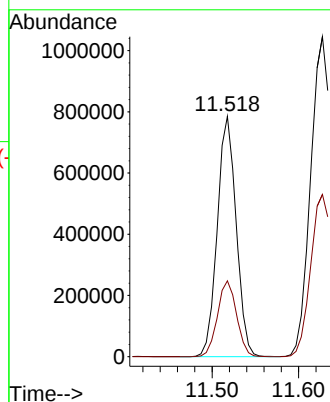
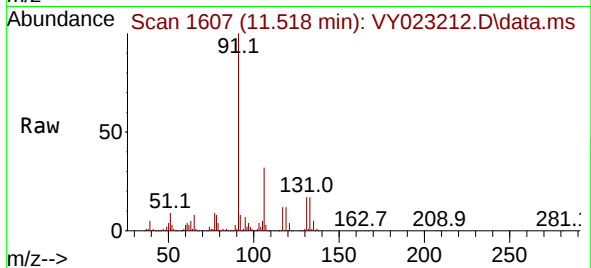
ClientSampleId :

Tgt Ion: 91 Resp: 1188553

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



#68

m/p-Xylenes

Concen: 106.167 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023212.D

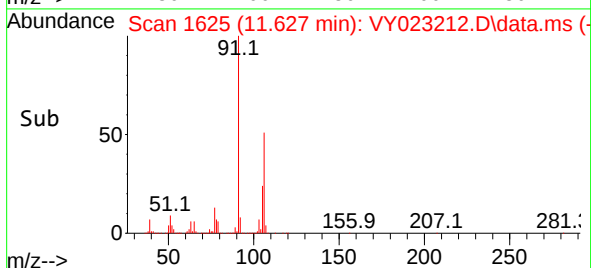
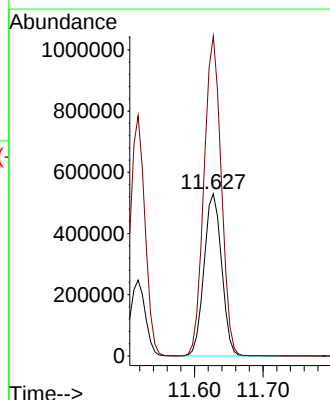
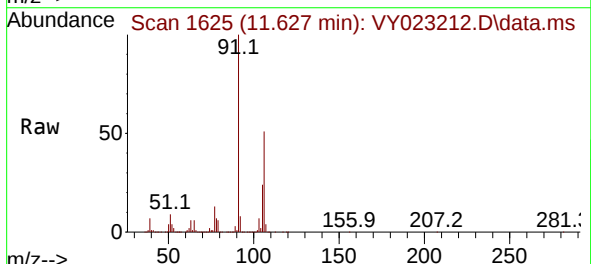
Acq: 25 Aug 2025 16:27

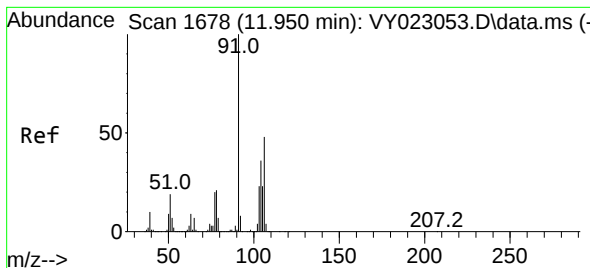
Tgt Ion:106 Resp: 947433

Ion Ratio Lower Upper

106 100

91 193.8 158.6 238.0

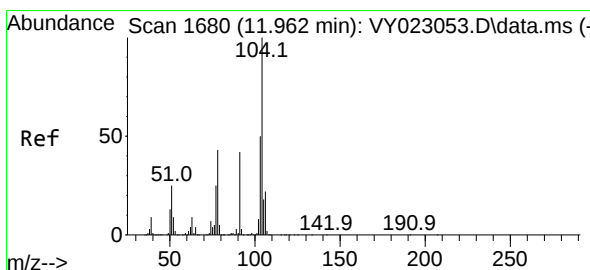
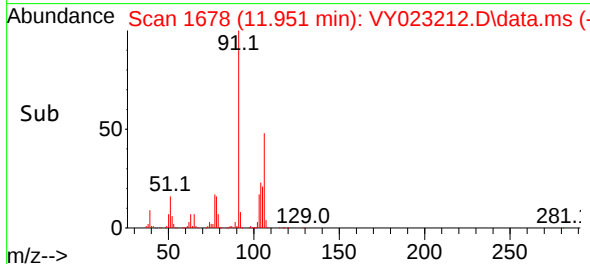
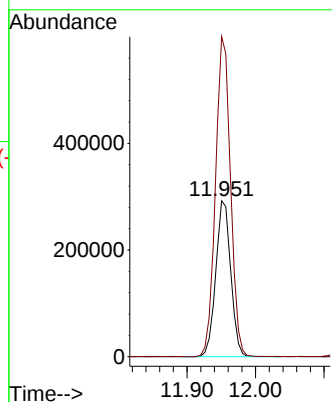
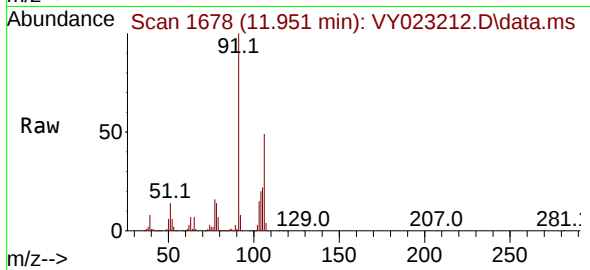




#69
o-Xylene
Concen: 52.936 ug/l
RT: 11.951 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

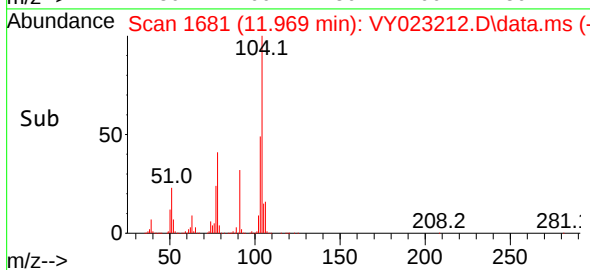
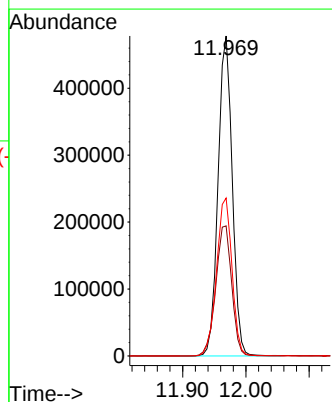
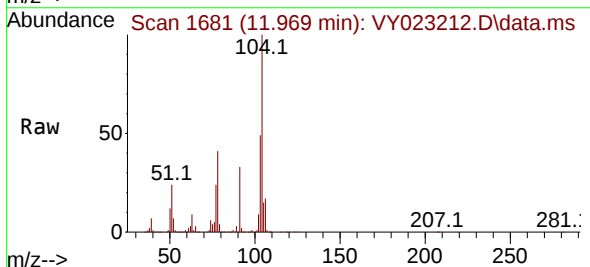
Instrument :
MSVOA_Y
ClientSampleId :

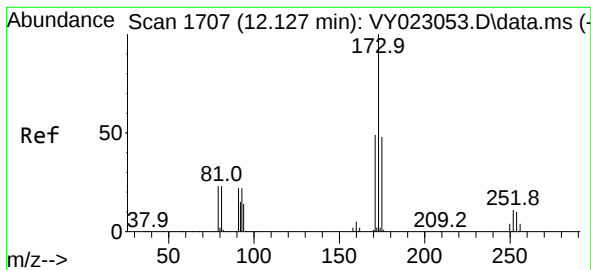
Tgt Ion:106 Resp: 442448
Ion Ratio Lower Upper
106 100
91 206.3 103.2 309.4



#70
Styrene
Concen: 54.312 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion:104 Resp: 742369
Ion Ratio Lower Upper
104 100
78 45.8 38.5 57.7
103 54.0 43.7 65.5





#71

Bromoform

Concen: 49.820 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

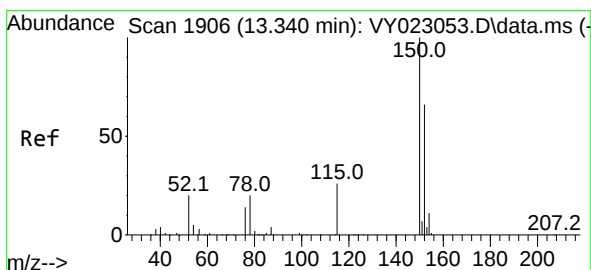
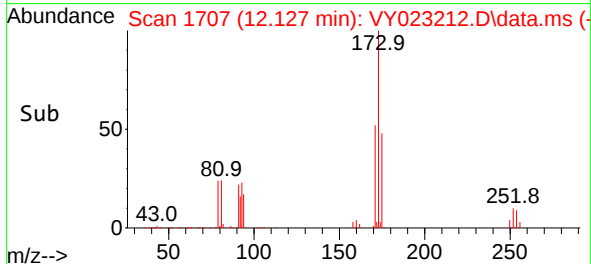
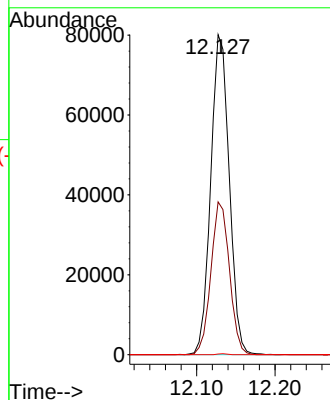
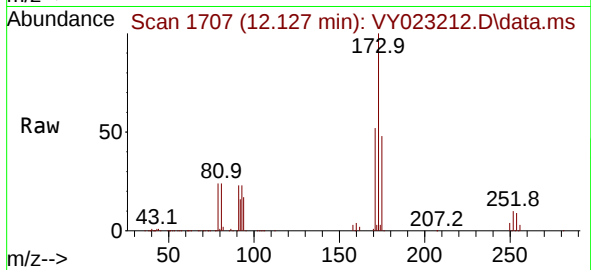
Tgt Ion:173 Resp: 131209

Ion Ratio Lower Upper

173 100

175 47.7 23.9 71.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

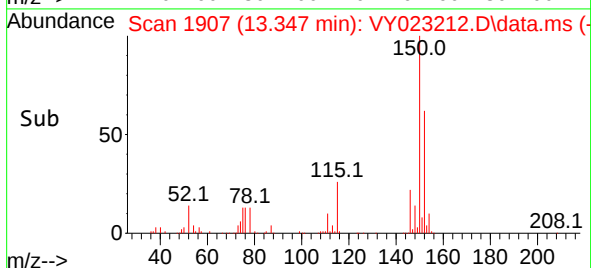
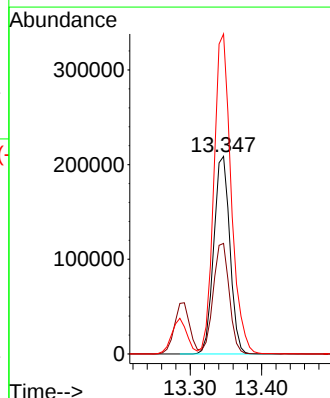
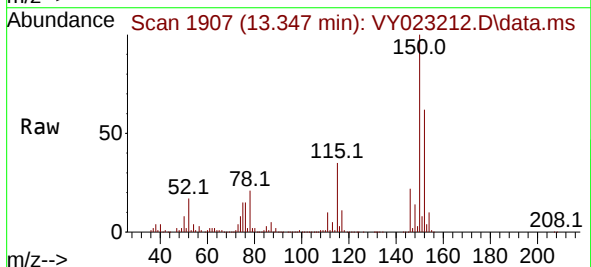
Tgt Ion:152 Resp: 325584

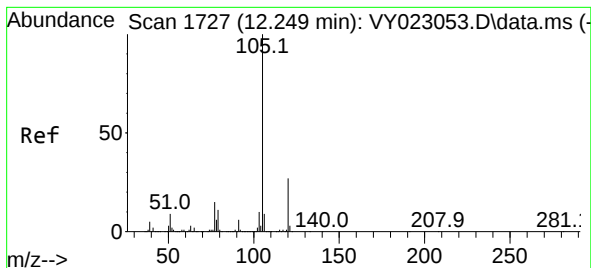
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 174.3 0.0 348.0





#73

Isopropylbenzene

Concen: 49.809 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

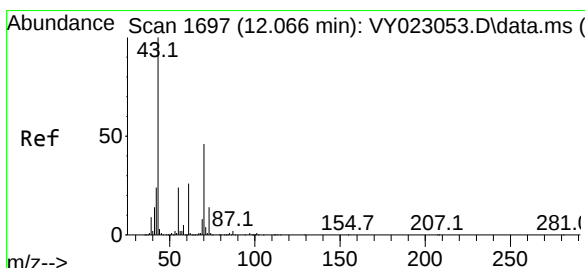
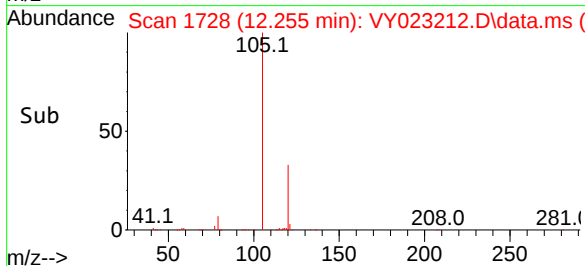
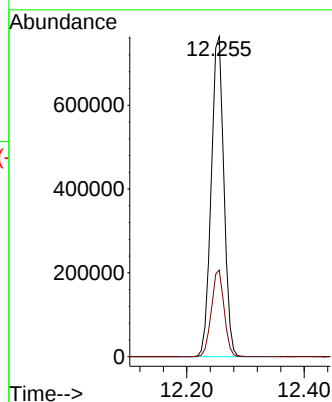
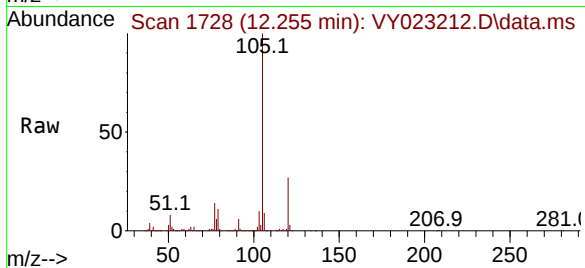
ClientSampleId :

Tgt Ion:105 Resp: 1144571

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 39.810 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Tgt Ion: 43 Resp: 194002

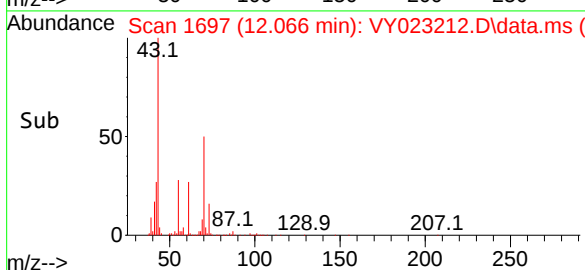
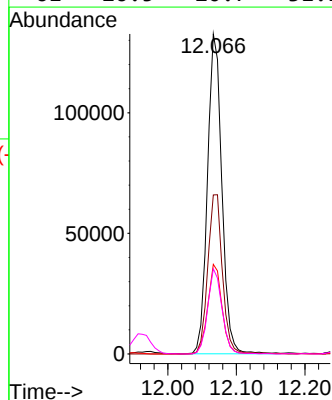
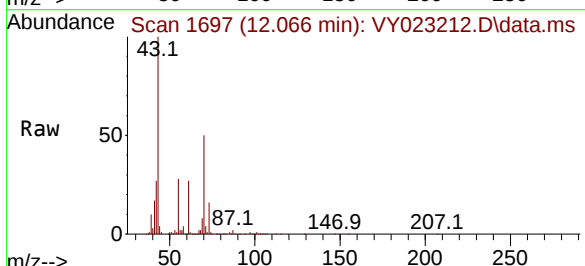
Ion Ratio Lower Upper

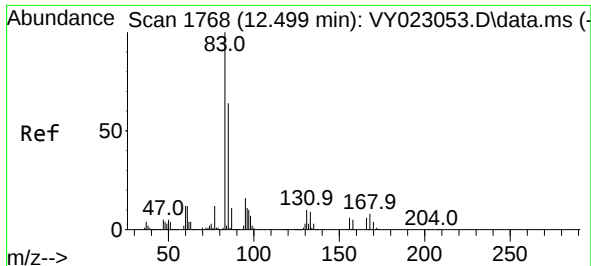
43 100

70 50.9 37.5 56.3

55 28.2 20.7 31.1

61 26.5 20.7 31.1

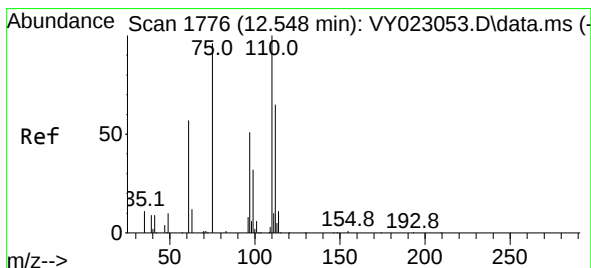
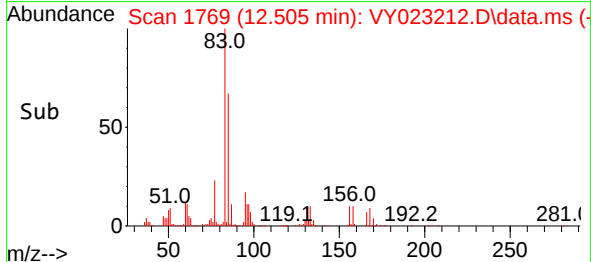
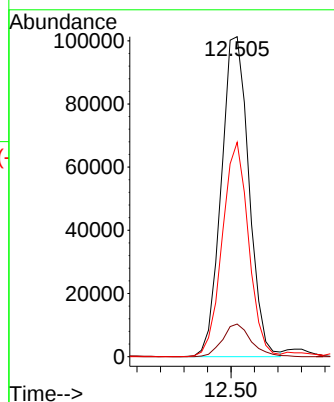
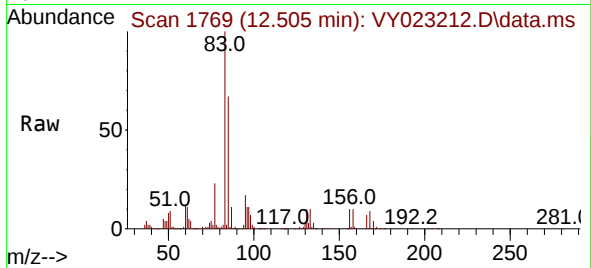




#75
 1,1,2,2-Tetrachloroethane
 Concen: 42.224 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

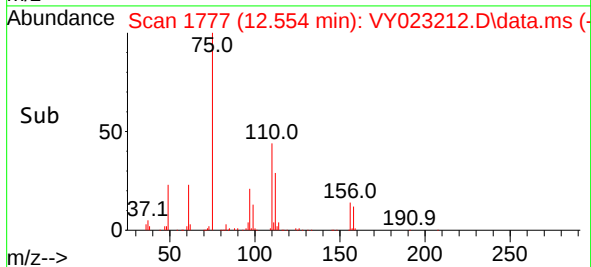
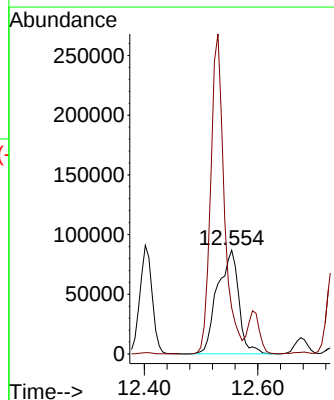
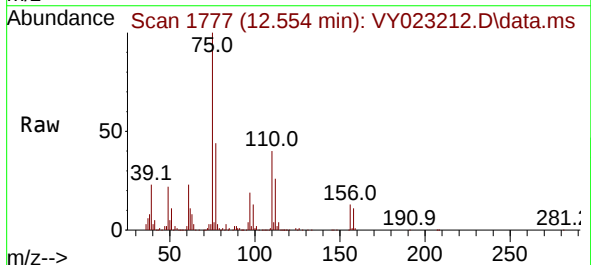
Instrument :
 MSVOA_Y
 ClientSampleId :

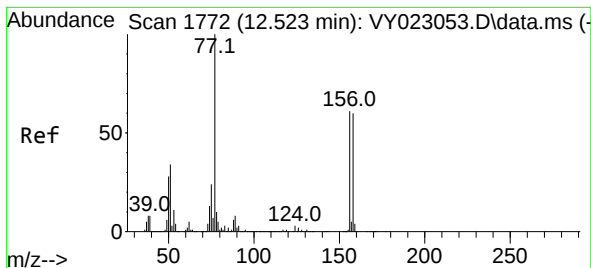
Tgt Ion: 83 Resp: 165675
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.1 15.3
 85 63.8 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 72.161 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

Tgt Ion: 75 Resp: 226746
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.731 ug/l

RT: 12.530 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

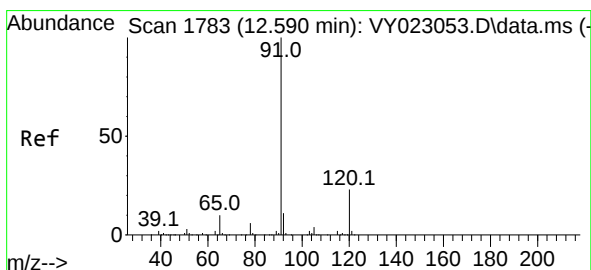
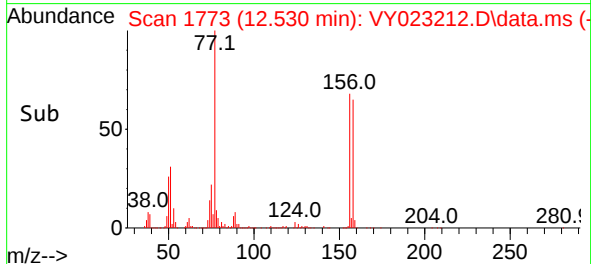
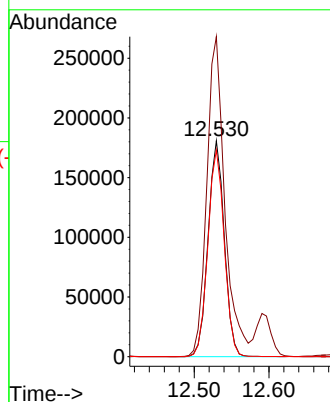
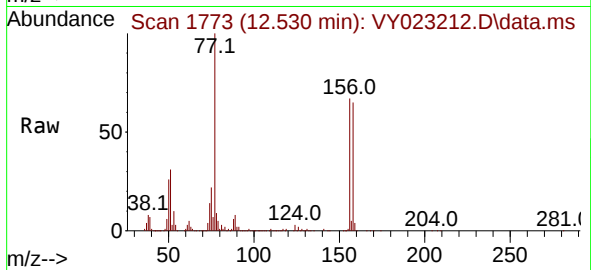
Tgt Ion:156 Resp: 272636

Ion Ratio Lower Upper

156 100

77 164.3 88.1 264.4

158 96.8 48.0 144.0



#78

n-propylbenzene

Concen: 49.988 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023212.D

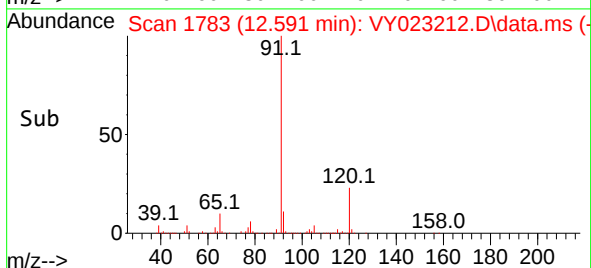
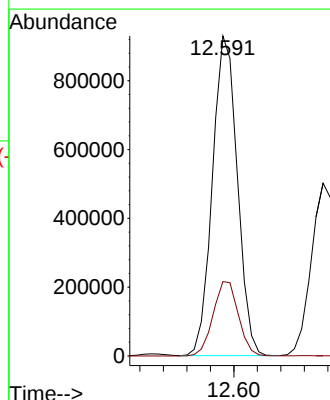
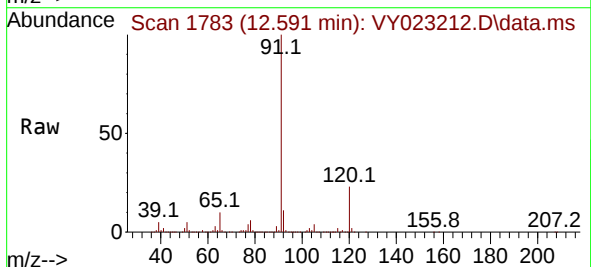
Acq: 25 Aug 2025 16:27

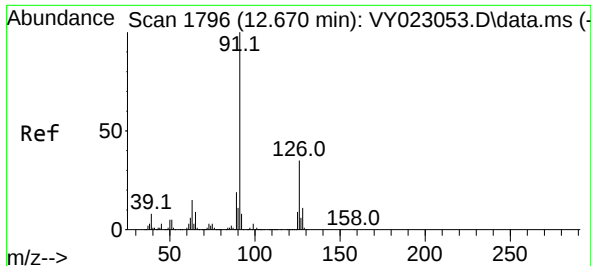
Tgt Ion: 91 Resp: 1367599

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.5





#79

2-Chlorotoluene

Concen: 49.581 ug/l

RT: 12.676 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

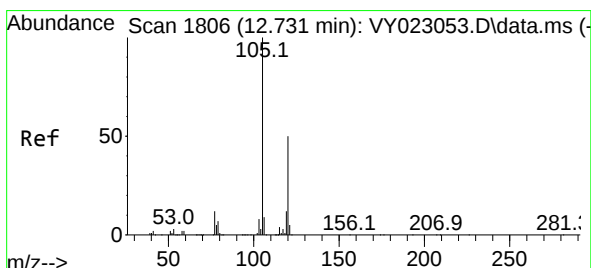
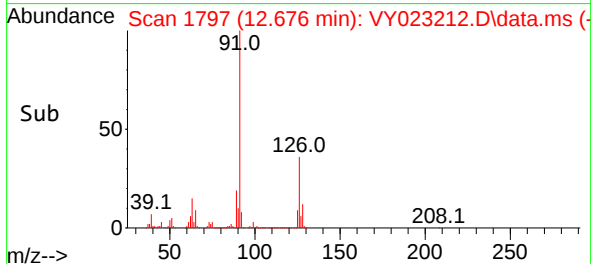
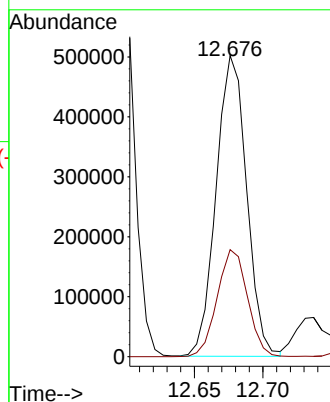
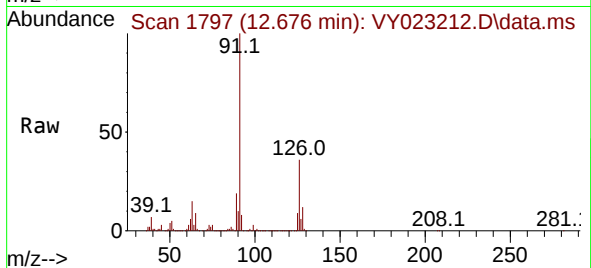
ClientSampleId :

Tgt Ion: 91 Resp: 777196

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.771 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023212.D

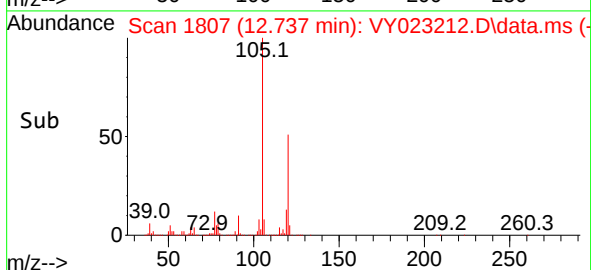
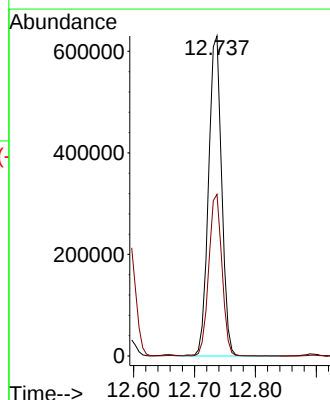
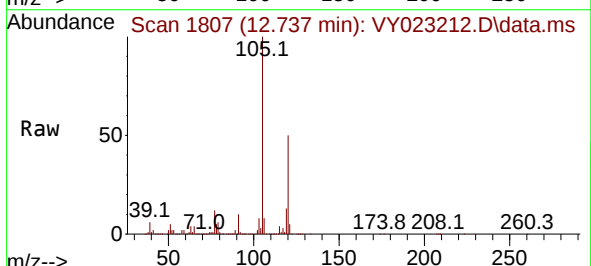
Acq: 25 Aug 2025 16:27

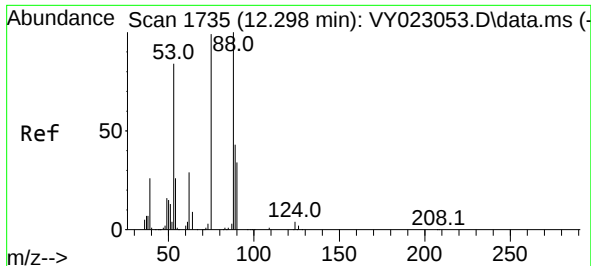
Tgt Ion:105 Resp: 942901

Ion Ratio Lower Upper

105 100

120 50.6 24.8 74.4

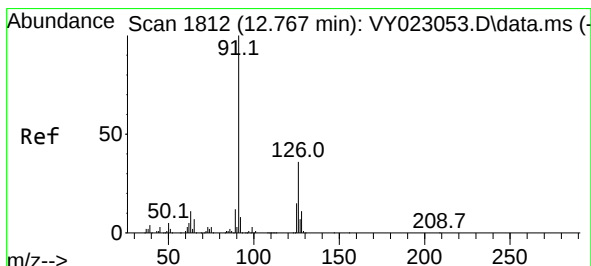
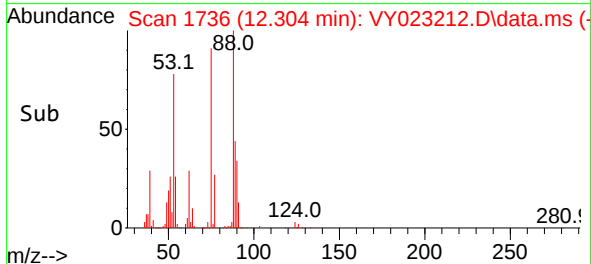
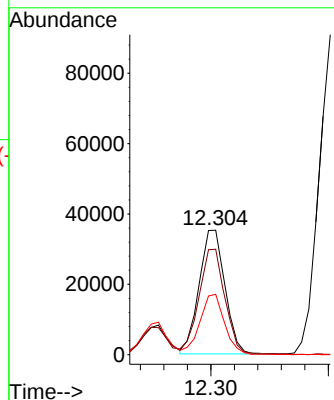
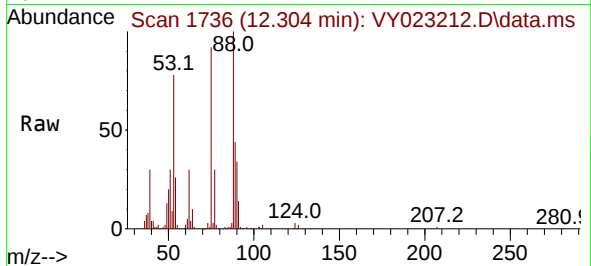




#81
trans-1,4-Dichloro-2-butene
Concen: 41.426 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

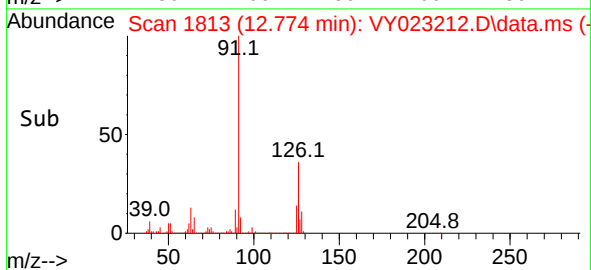
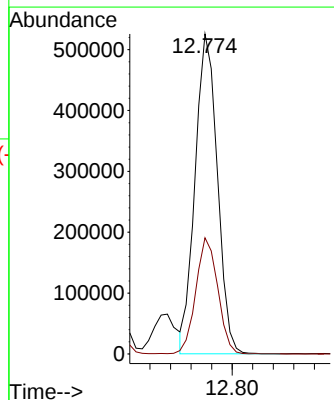
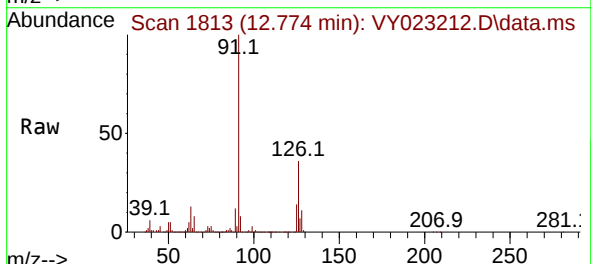
Instrument :
MSVOA_Y
ClientSampleId :

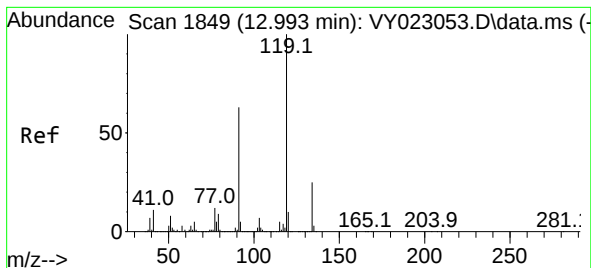
Tgt Ion: 75 Resp: 53774
Ion Ratio Lower Upper
75 100
53 86.6 70.8 106.2
89 47.0 38.1 57.1



#82
4-Chlorotoluene
Concen: 48.634 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 91 Resp: 790850
Ion Ratio Lower Upper
91 100
126 36.0 17.3 52.0





#83

tert-Butylbenzene

Concen: 51.153 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

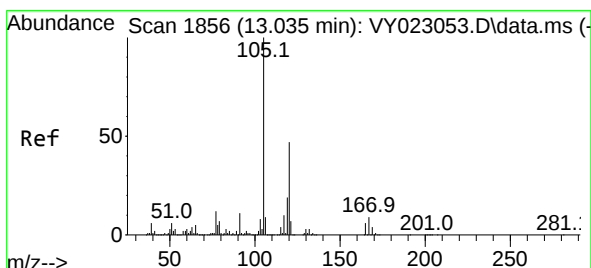
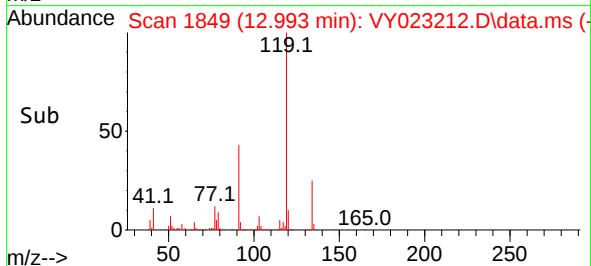
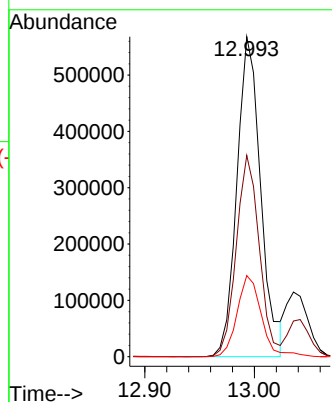
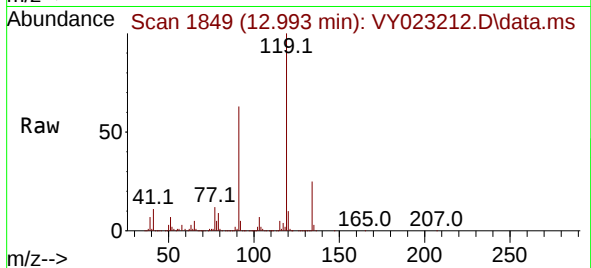
Tgt Ion:119 Resp: 858011

Ion Ratio Lower Upper

119 100

91 60.9 31.6 94.8

134 25.8 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 50.936 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023212.D

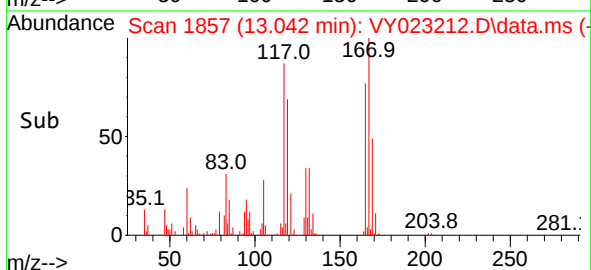
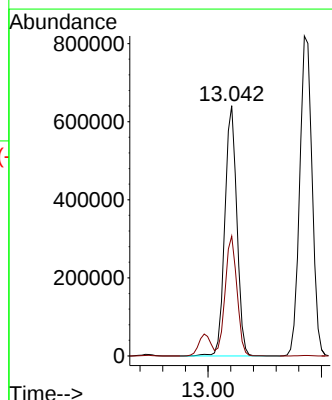
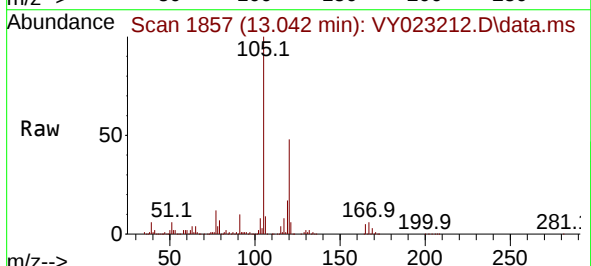
Acq: 25 Aug 2025 16:27

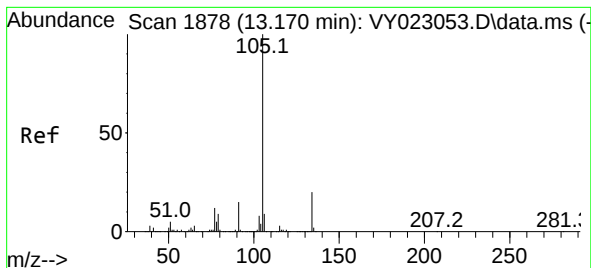
Tgt Ion:105 Resp: 941680

Ion Ratio Lower Upper

105 100

120 47.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 50.316 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

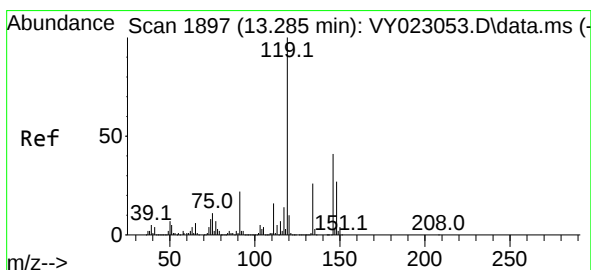
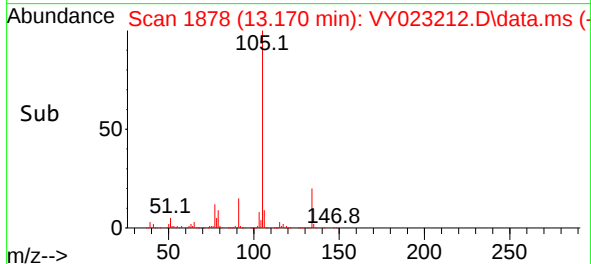
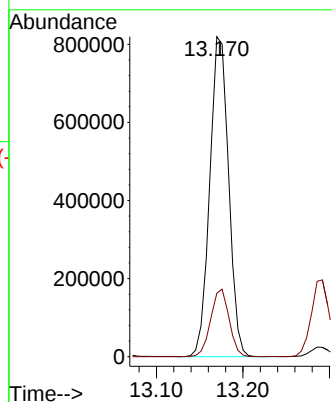
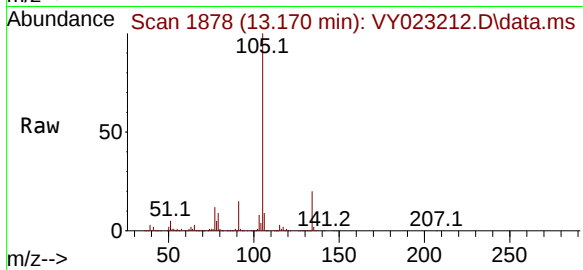
ClientSampleId :

Tgt Ion:105 Resp: 1239784

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4



#86

p-Isopropyltoluene

Concen: 52.145 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

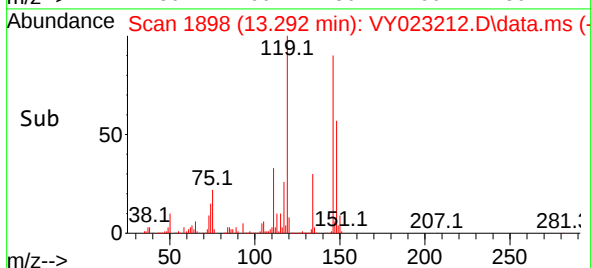
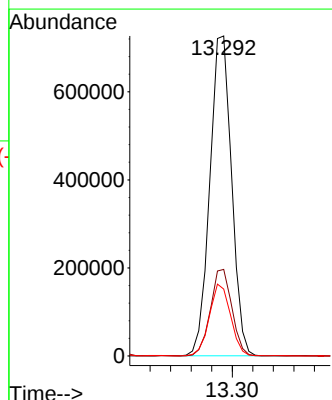
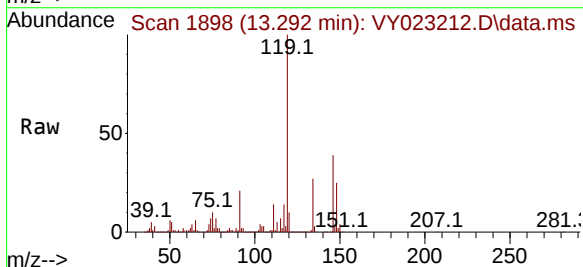
Tgt Ion:119 Resp: 1066483

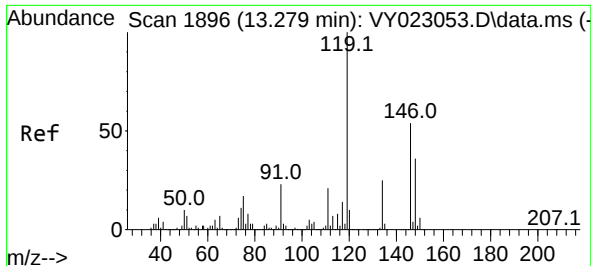
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.6

91 21.9 11.3 33.8

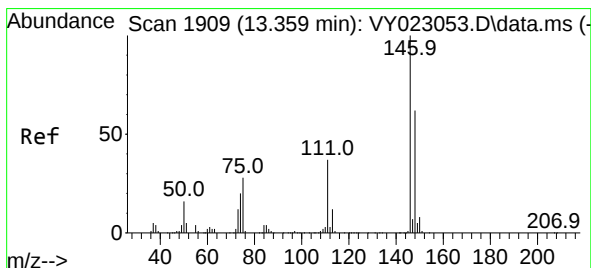
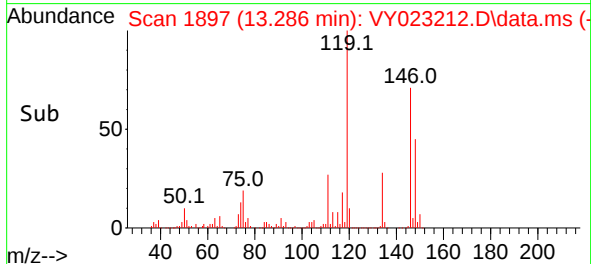
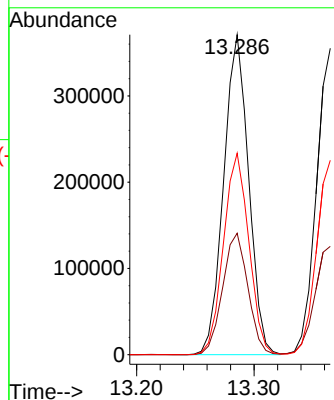
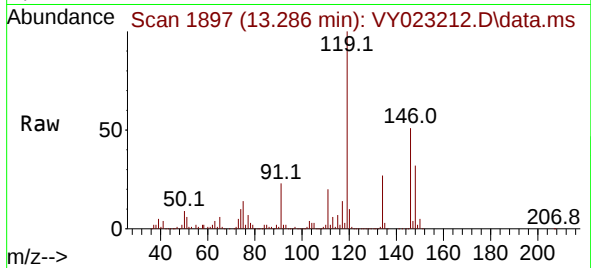




#87
 1,3-Dichlorobenzene
 Concen: 50.626 ug/l
 RT: 13.286 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

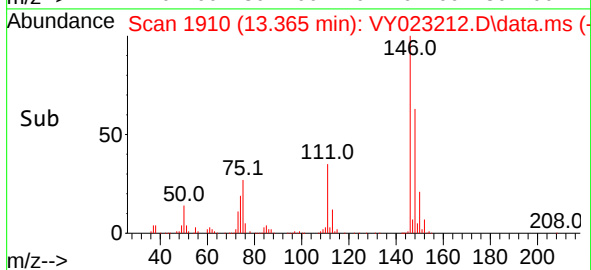
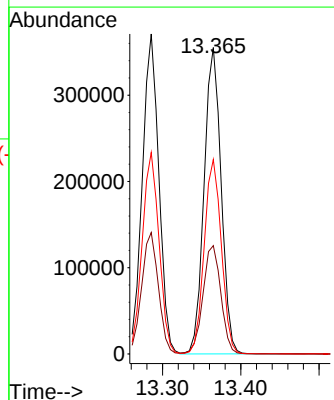
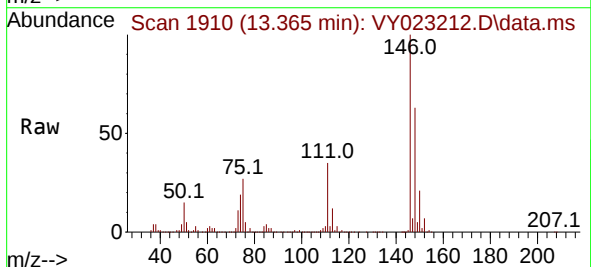
Instrument :
 MSVOA_Y
 ClientSampleId :

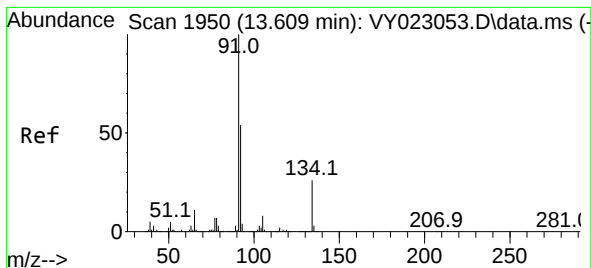
Tgt Ion:146 Resp: 547312
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.7
 148 64.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.939 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.006 min
 Lab File: VY023212.D
 Acq: 25 Aug 2025 16:27

Tgt Ion:146 Resp: 535561
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.1
 148 63.9 31.6 94.7





#89

n-Butylbenzene

Concen: 50.300 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

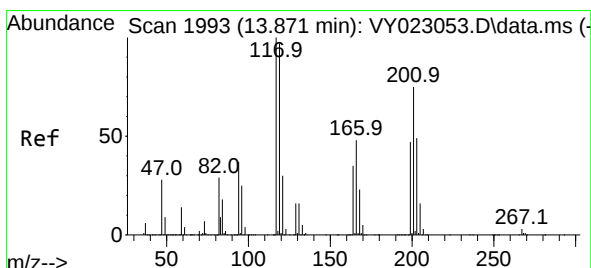
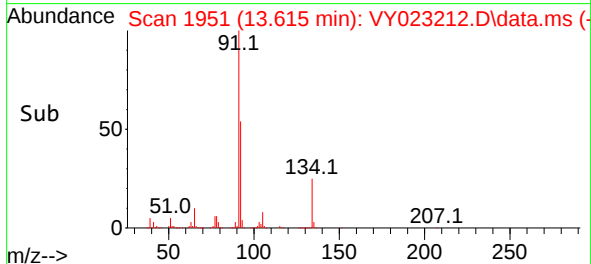
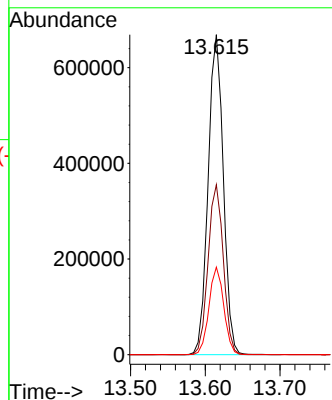
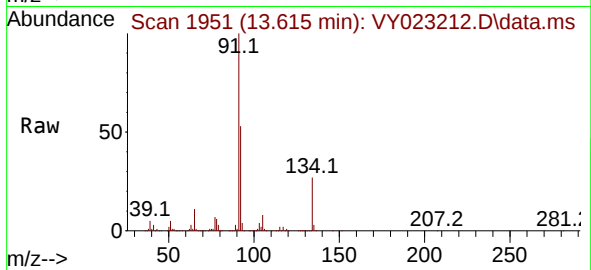
Tgt Ion: 91 Resp: 944856

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.7

134 26.8 13.2 39.5



#90

Hexachloroethane

Concen: 52.065 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023212.D

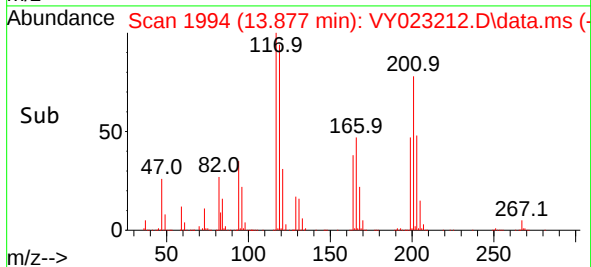
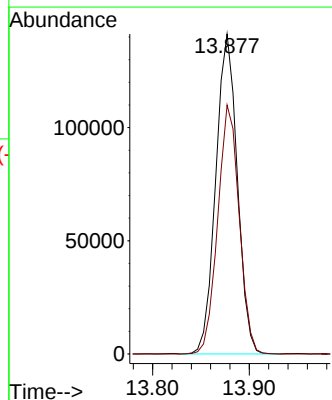
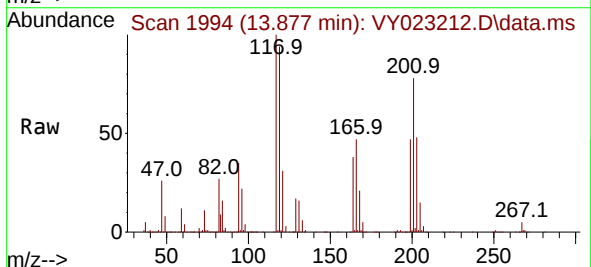
Acq: 25 Aug 2025 16:27

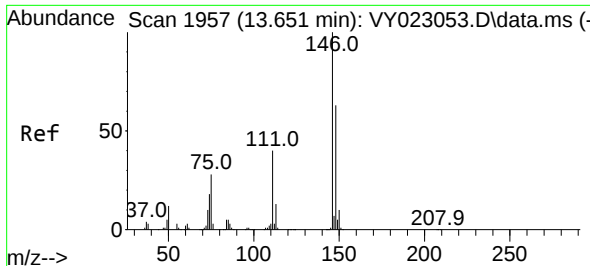
Tgt Ion: 117 Resp: 217985

Ion Ratio Lower Upper

117 100

201 77.5 38.4 115.1

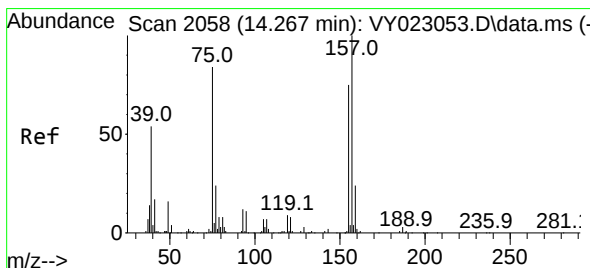
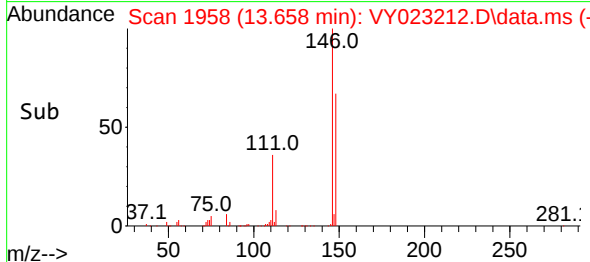
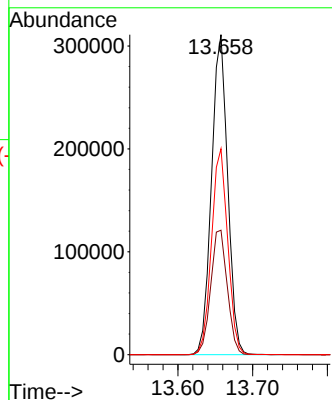
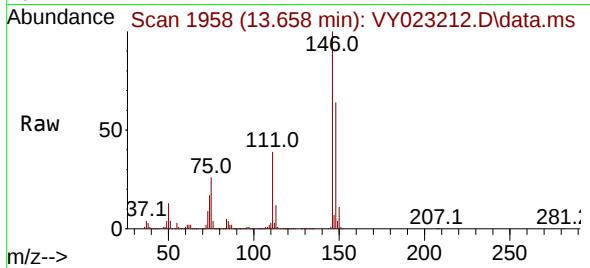




#91
1,2-Dichlorobenzene
Concen: 49.244 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

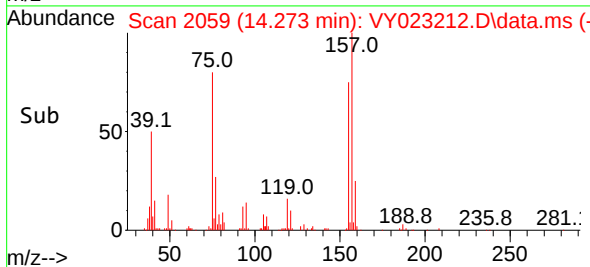
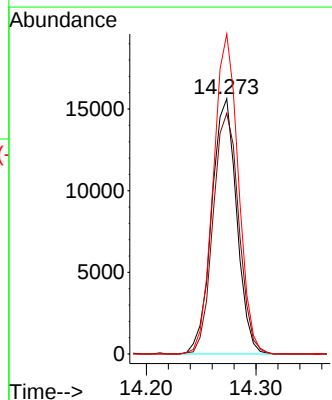
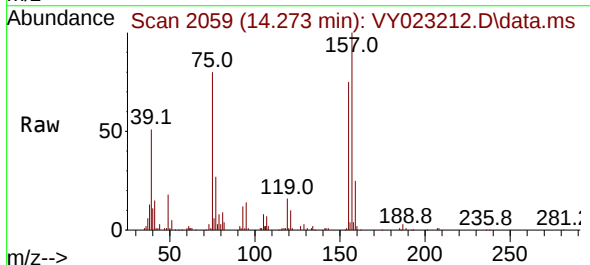
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:146 Resp: 466893
Ion Ratio Lower Upper
146 100
111 40.0 20.3 60.8
148 64.6 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 40.565 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023212.D
Acq: 25 Aug 2025 16:27

Tgt Ion: 75 Resp: 24781
Ion Ratio Lower Upper
75 100
155 96.9 43.9 131.6
157 124.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 47.818 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

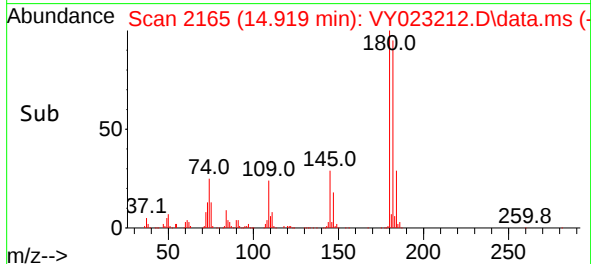
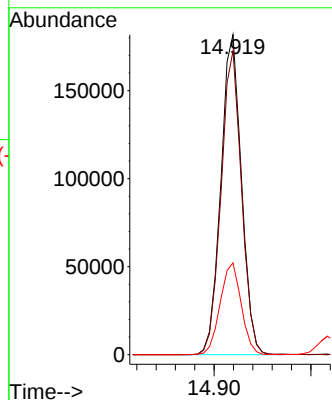
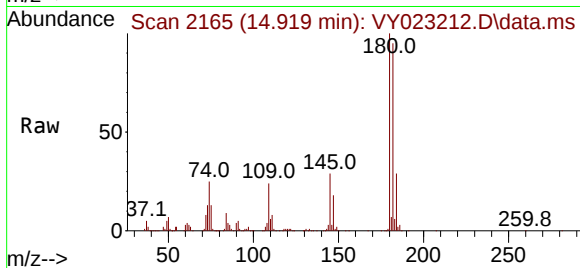
Tgt Ion:180 Resp: 268105

Ion Ratio Lower Upper

180 100

182 94.4 46.8 140.4

145 29.3 14.4 43.4



#94

Hexachlorobutadiene

Concen: 49.825 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

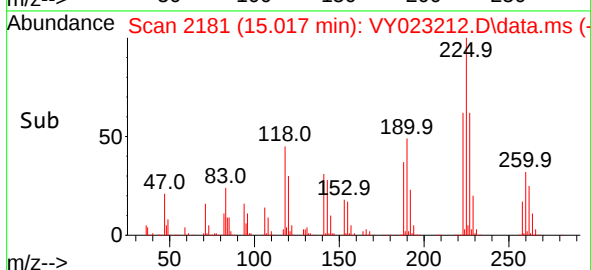
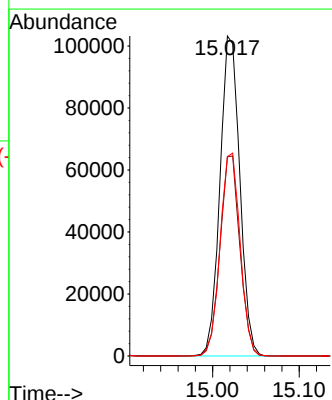
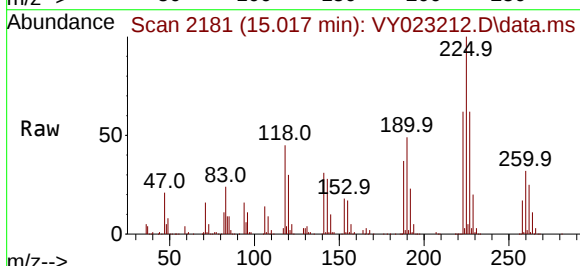
Tgt Ion:225 Resp: 164160

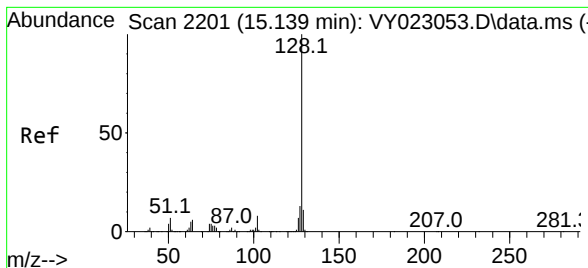
Ion Ratio Lower Upper

225 100

223 62.6 31.3 93.8

227 63.9 31.5 94.5





#95

Naphthalene

Concen: 43.965 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

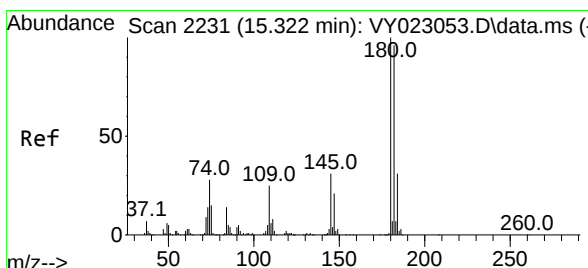
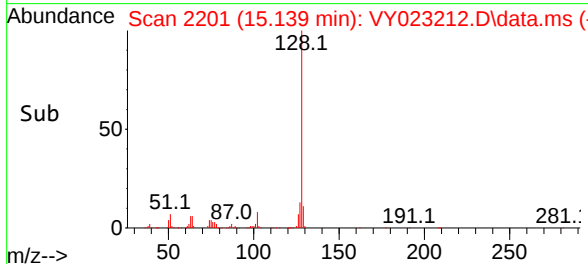
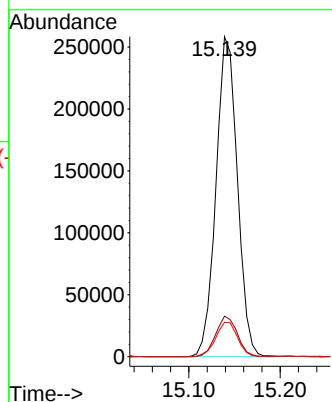
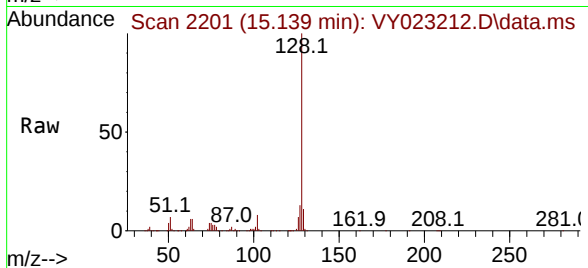
Tgt Ion:128 Resp: 420343

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.0 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 46.967 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023212.D

Acq: 25 Aug 2025 16:27

Tgt Ion:180 Resp: 226918

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.7

145 31.1 15.9 47.7

