

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023050.D
 Acq On : 12 Aug 2025 14:54
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	561390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	904866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	759914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	360397	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	27563	5.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.300%#
35) Dibromofluoromethane	7.634	113	26265	4.851	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.700%#
50) Toluene-d8	10.103	98	104144	4.924	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.840%#
62) 4-Bromofluorobenzene	12.402	95	32420	4.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.540%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	27351	5.969	ug/l	96
3) Chloromethane	2.068	50	39269	5.291	ug/l	98
4) Vinyl Chloride	2.202	62	48736	5.312	ug/l	99
5) Bromomethane	2.592	94	37773	5.513	ug/l	97
6) Chloroethane	2.732	64	32816	5.380	ug/l	98
7) Trichlorofluoromethane	3.050	101	59438	5.328	ug/l	99
8) Diethyl Ether	3.452	74	15231	5.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	29291	5.322	ug/l	98
10) Methyl Iodide	3.994	142	26272	4.424	ug/l	98
11) Tert butyl alcohol	4.866	59	9219	25.147	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	27635	5.108	ug/l	87
13) Acrolein	3.647	56	13391	24.941	ug/l	95
14) Allyl chloride	4.372	41	41201	5.176	ug/l	94
15) Acrylonitrile	5.061	53	28255	23.547	ug/l	95
16) Acetone	3.866	43	30803	26.574	ug/l	98
17) Carbon Disulfide	4.098	76	92964	5.270	ug/l	96
18) Methyl Acetate	4.379	43	16806	4.872	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	66308	4.730	ug/l	98
20) Methylene Chloride	4.604	84	48322	5.657	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	30021	4.938	ug/l	97
22) Diisopropyl ether	6.012	45	80938	4.679	ug/l	91
23) Vinyl Acetate	5.958	43	221862	23.196	ug/l	97
24) 1,1-Dichloroethane	5.909	63	52152	4.931	ug/l	99
25) 2-Butanone	6.890	43	37821	23.991	ug/l	97
26) 2,2-Dichloropropane	6.878	77	46964	5.147	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	34877	4.962	ug/l	97
28) Bromochloromethane	7.238	49	20615	4.913	ug/l	96
29) Tetrahydrofuran	7.256	42	23487	24.035	ug/l	96
30) Chloroform	7.415	83	54392	4.987	ug/l	96
31) Cyclohexane	7.701	56	58362	5.856	ug/l #	83
32) 1,1,1-Trichloroethane	7.610	97	48413	5.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	39978	4.968	ug/l	99
37) Ethyl Acetate	6.982	43	15080	4.461	ug/l #	95
38) Carbon Tetrachloride	7.811	117	44360	5.076	ug/l	99
39) Methylcyclohexane	9.103	83	51931	4.901	ug/l	99
40) Benzene	8.073	78	122482	4.939	ug/l	99

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:50:18 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	6006	3.075	ug/l #	56
42) 1,2-Dichloroethane	8.152	62	31902	4.946	ug/l	98
43) Isopropyl Acetate	8.195	43	31890	4.668	ug/l	100
44) Trichloroethene	8.859	130	32050	5.001	ug/l	93
45) 1,2-Dichloropropane	9.134	63	27418	4.805	ug/l	93
46) Dibromomethane	9.225	93	15033	4.590	ug/l	97
47) Bromodichloromethane	9.420	83	40327	4.785	ug/l	98
48) Methyl methacrylate	9.219	41	13477	4.122	ug/l	90
49) 1,4-Dioxane	9.231	88	3454	89.939	ug/l #	91
51) 4-Methyl-2-Pentanone	9.993	43	75891	21.535	ug/l	100
52) Toluene	10.164	92	73910	4.692	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	34154	4.475	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	41326	4.579	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	20795	4.745	ug/l	98
56) Ethyl methacrylate	10.432	69	22376	3.990	ug/l	99
57) 1,3-Dichloropropane	10.713	76	34835	4.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	51585	19.500	ug/l	100
59) 2-Hexanone	10.755	43	50604	21.088	ug/l	97
60) Dibromochloromethane	10.908	129	27141	4.693	ug/l	100
61) 1,2-Dibromoethane	11.012	107	18652	4.528	ug/l	97
64) Tetrachloroethene	10.640	164	36210	5.336	ug/l	97
65) Chlorobenzene	11.438	112	80684	4.922	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.511	131	26397	4.745	ug/l	94
67) Ethyl Benzene	11.511	91	134854	4.781	ug/l	99
68) m/p-Xylenes	11.621	106	102783	9.329	ug/l	97
69) o-Xylene	11.950	106	45944	4.453	ug/l	94
70) Styrene	11.963	104	71801	4.255	ug/l	97
71) Bromoform	12.127	173	14954	4.599	ug/l #	94
73) Isopropylbenzene	12.249	105	123246	4.845	ug/l	99
74) N-amyl acetate	12.066	43	22829	4.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	21057	4.848	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28374	8.152	ug/l #	100
77) Bromobenzene	12.530	156	29681	4.891	ug/l	100
78) n-propylbenzene	12.590	91	146043	4.822	ug/l	99
79) 2-Chlorotoluene	12.670	91	84671	4.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	96308	4.685	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	6514	4.533	ug/l	89
82) 4-Chlorotoluene	12.773	91	87454	4.859	ug/l	99
83) tert-Butylbenzene	12.993	119	87496	4.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	93551	4.571	ug/l	100
85) sec-Butylbenzene	13.170	105	131079	4.806	ug/l	99
86) p-Isopropyltoluene	13.285	119	103731	4.582	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	57668	4.819	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	60781	5.120	ug/l	97
89) n-Butylbenzene	13.609	91	94594	4.549	ug/l	98
90) Hexachloroethane	13.871	117	22980	4.958	ug/l	97
91) 1,2-Dichlorobenzene	13.651	146	50829	4.843	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3369	4.982	ug/l	93
93) 1,2,4-Trichlorobenzene	14.913	180	28399	4.576	ug/l	98
94) Hexachlorobutadiene	15.017	225	19196	5.263	ug/l	96
95) Naphthalene	15.133	128	43395	4.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	24703	4.619	ug/l	98

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

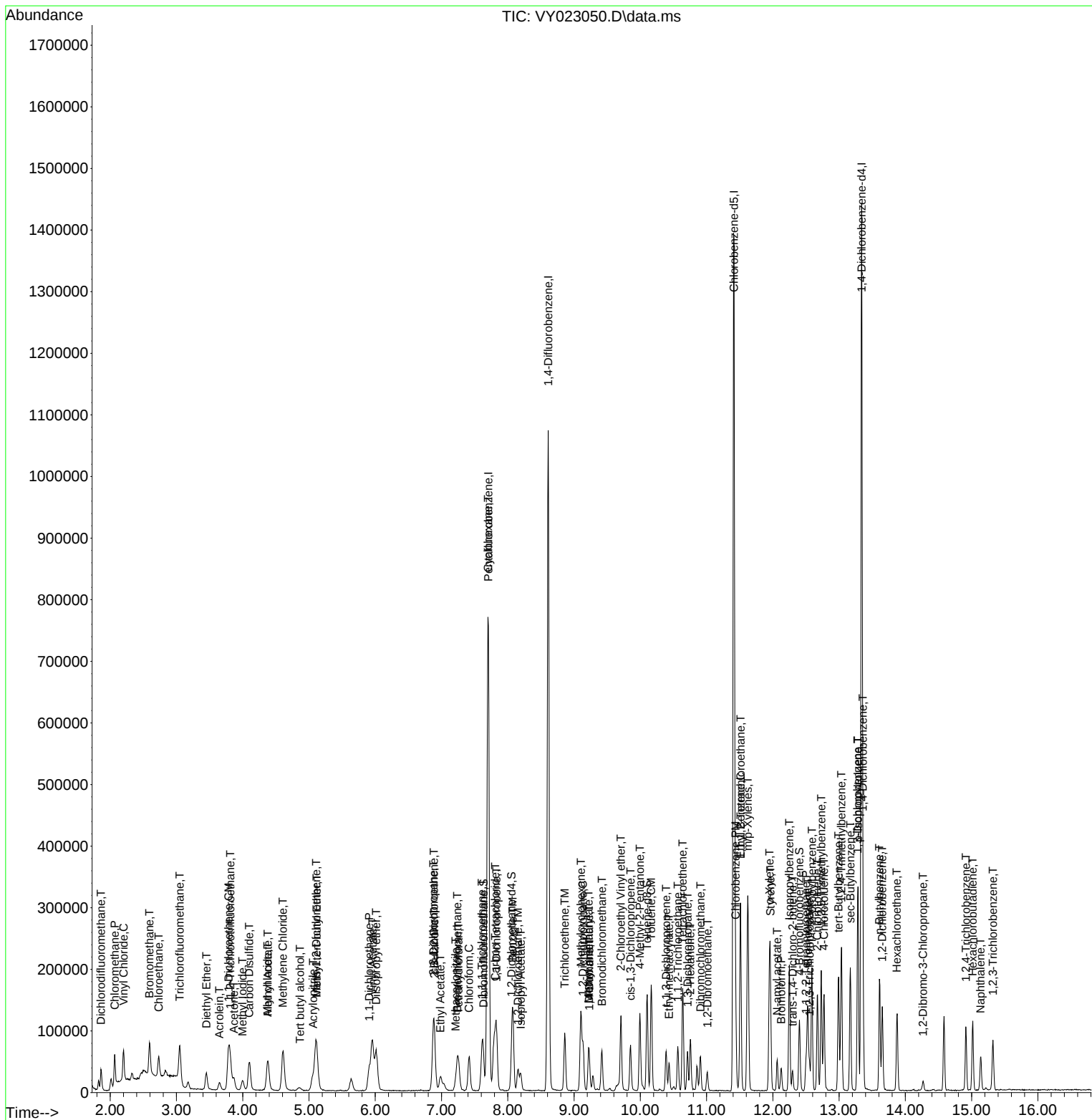
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MSVOA_Y
ClientSampleId :

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Quant Title : SW846 8260
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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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Quant Title : SW846 8260
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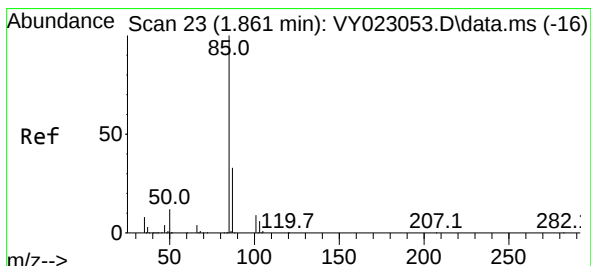
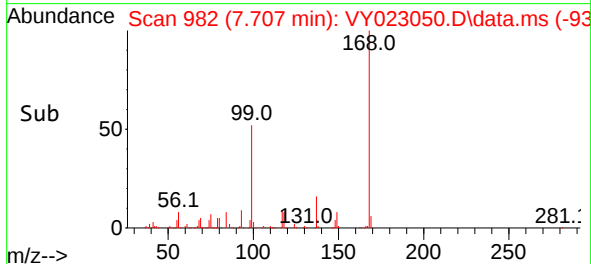
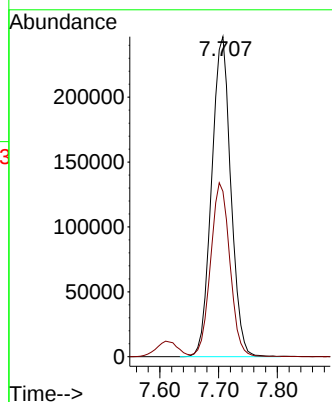
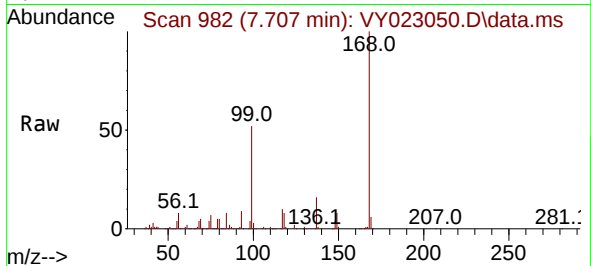




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

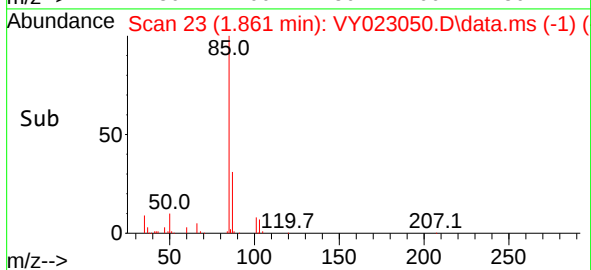
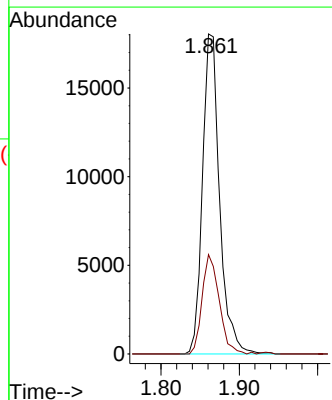
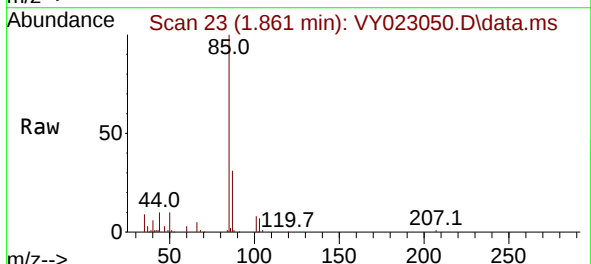
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 561390
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 5.969 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 85 Resp: 27351
Ion Ratio Lower Upper
85 100
87 31.0 16.6 49.8

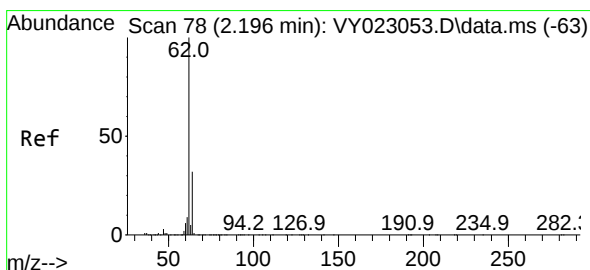
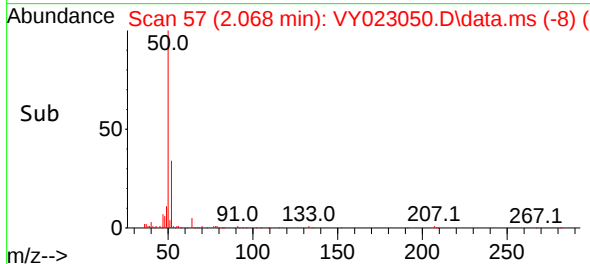
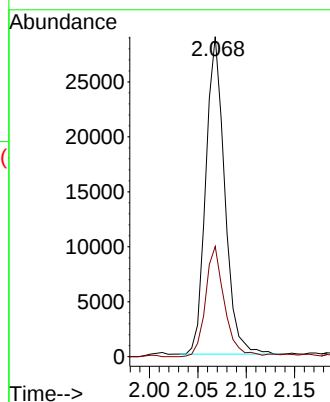
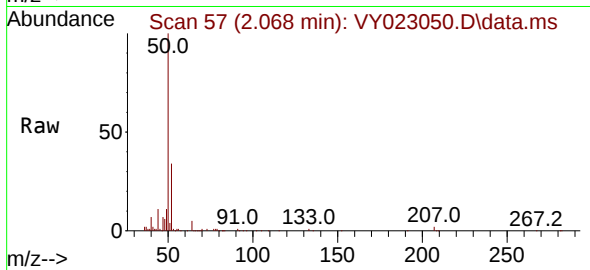




#3
Chloromethane
Concen: 5.291 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

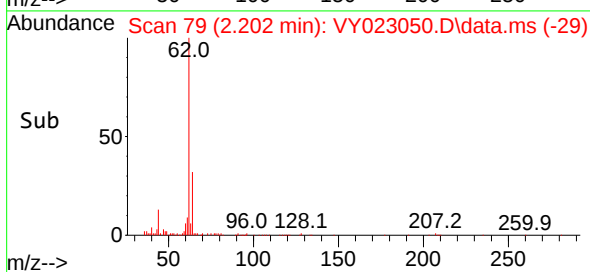
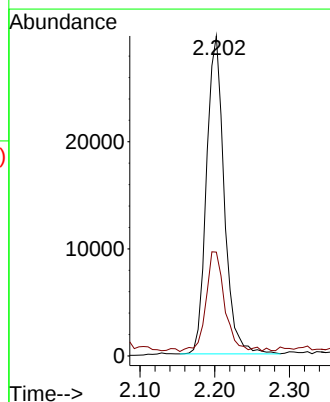
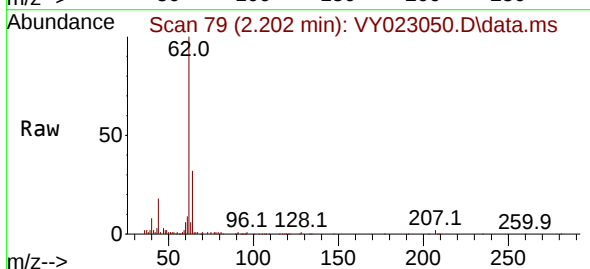
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ClientSampleId :

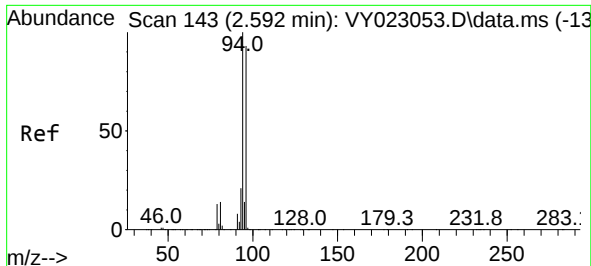
Tgt Ion: 50 Resp: 39269
Ion Ratio Lower Upper
50 100
52 34.7 26.7 40.1



#4
Vinyl Chloride
Concen: 5.312 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 48736
Ion Ratio Lower Upper
62 100
64 31.3 25.4 38.0

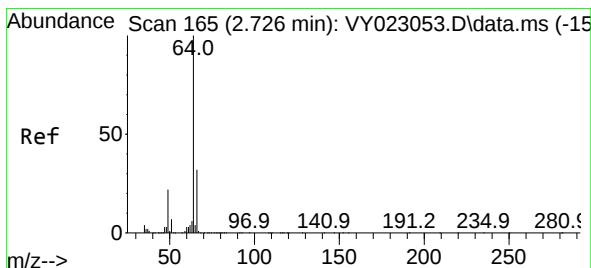
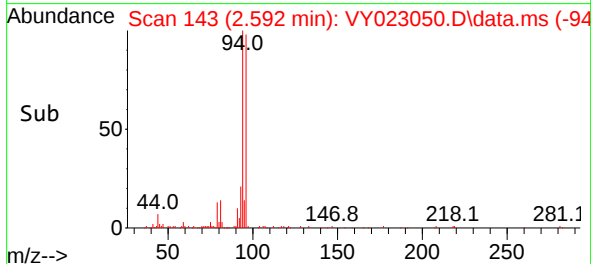
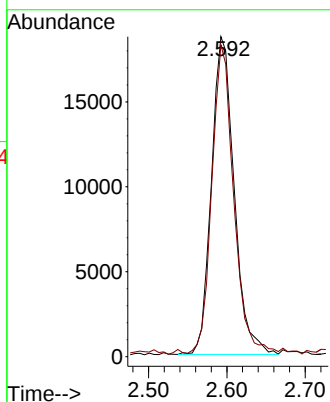
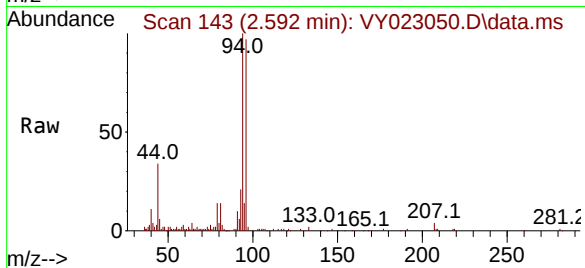




#5
Bromomethane
Concen: 5.513 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

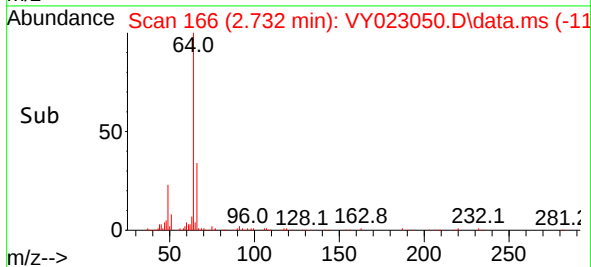
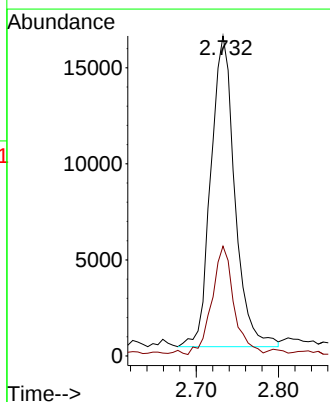
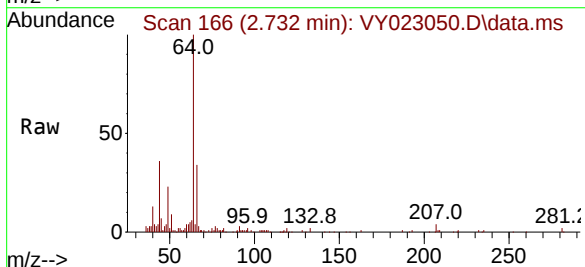
Instrument :
MSVOA_Y
ClientSampleId :

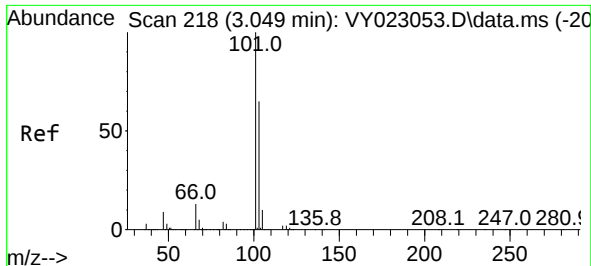
Tgt Ion: 94 Resp: 37773
Ion Ratio Lower Upper
94 100
96 96.5 74.6 112.0



#6
Chloroethane
Concen: 5.380 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

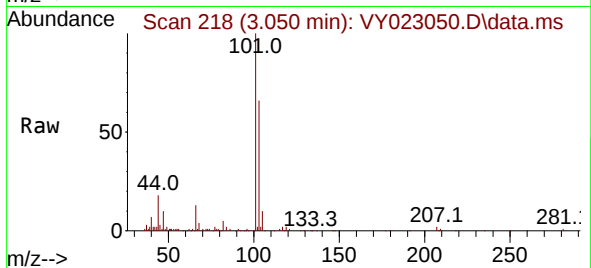
Tgt Ion: 64 Resp: 32816
Ion Ratio Lower Upper
64 100
66 33.5 25.8 38.6



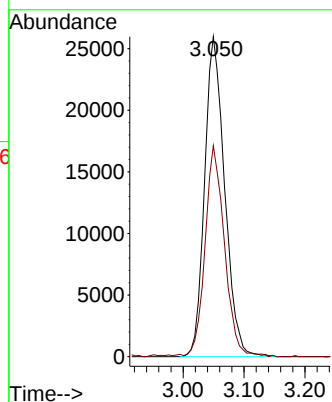
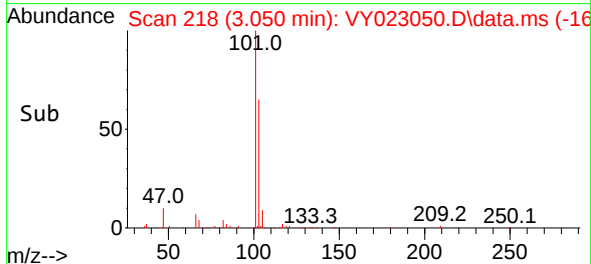


#7
 Trichlorofluoromethane
 Concen: 5.328 ug/l
 RT: 3.050 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

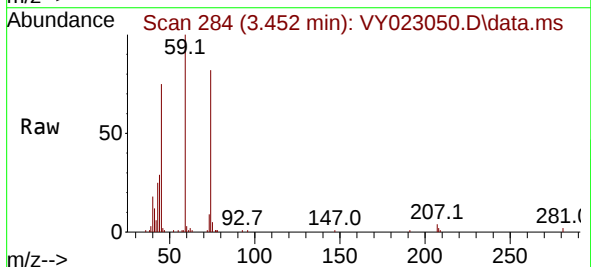
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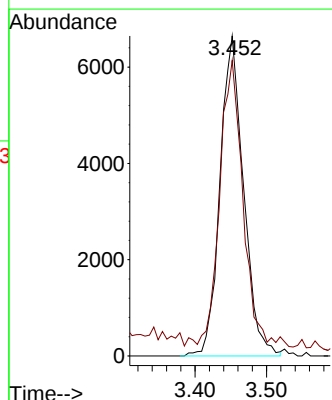
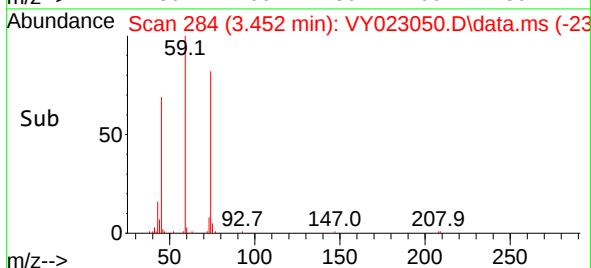
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 Ion Ratio Lower Upper
 101 100
 103 65.9 51.9 77.9

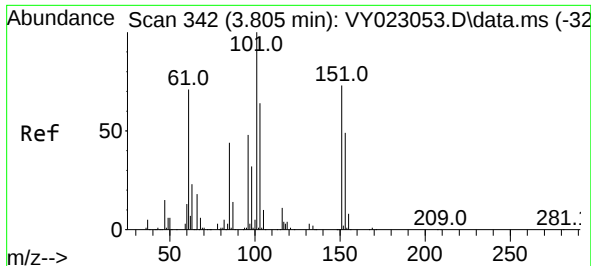


#8
 Diethyl Ether
 Concen: 5.160 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54



Tgt Ion: 74 Resp: 15231
 Ion Ratio Lower Upper
 74 100
 45 88.2 44.4 133.2

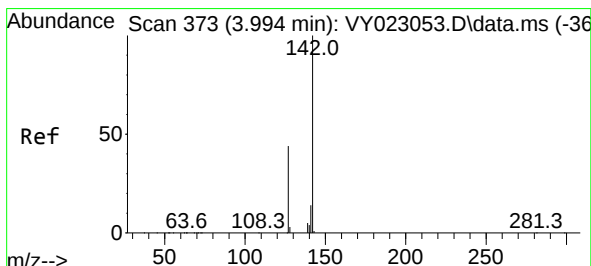
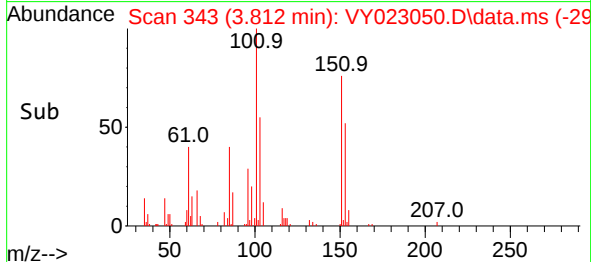
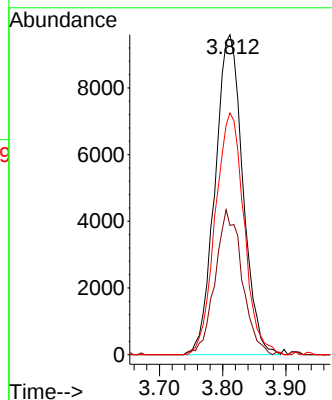
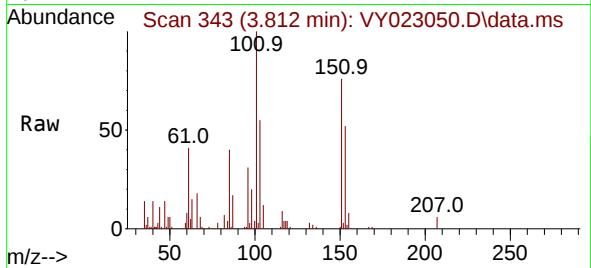




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.322 ug/l
RT: 3.812 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

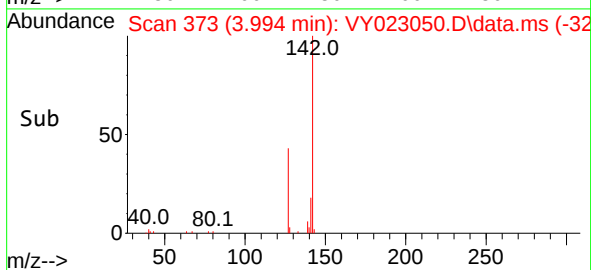
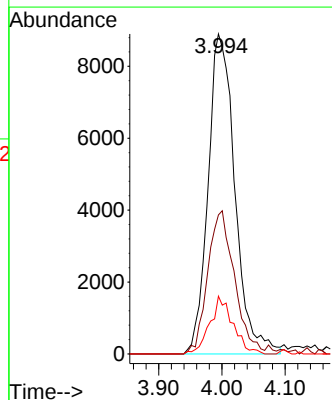
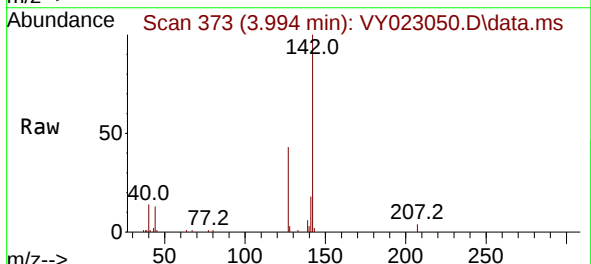
Instrument :
MSVOA_Y
ClientSampleId :

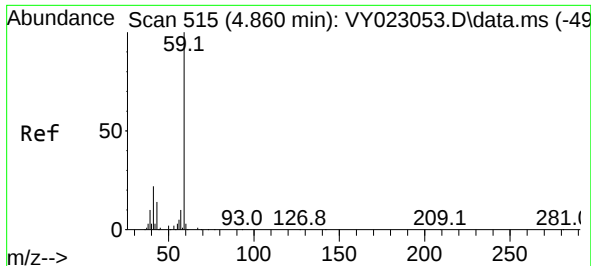
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Ion Ratio Lower Upper
101 100
85 44.1 36.3 54.5
151 78.2 61.5 92.3



#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion:142 Resp: 26272
Ion Ratio Lower Upper
142 100
127 44.6 34.9 52.3
141 15.6 11.3 16.9

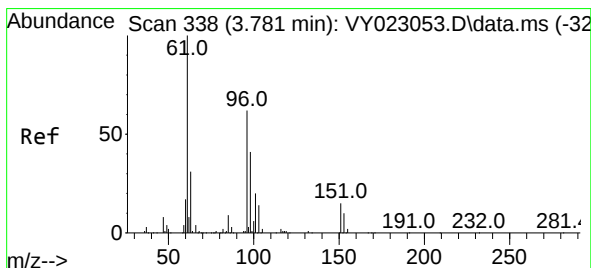
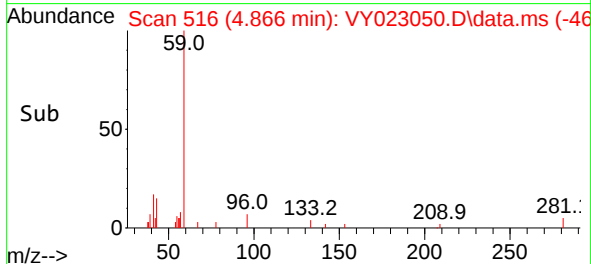
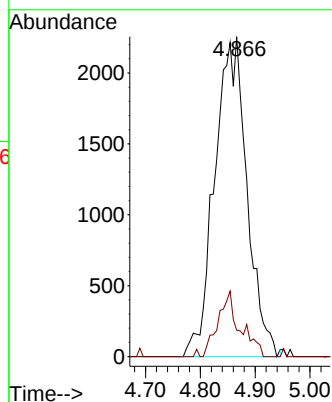
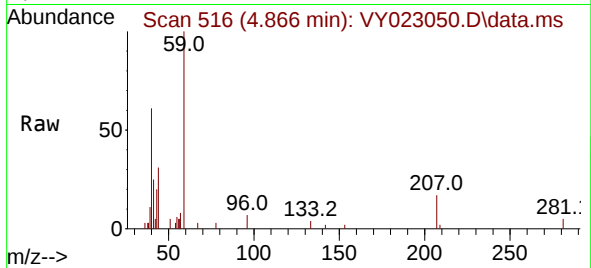




#11
Tert butyl alcohol
Concen: 25.147 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

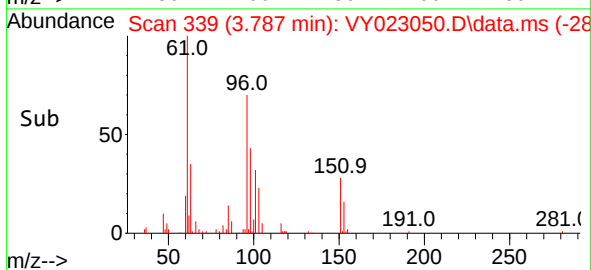
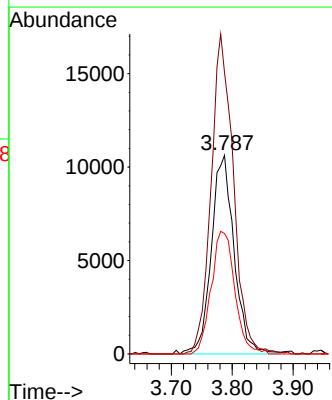
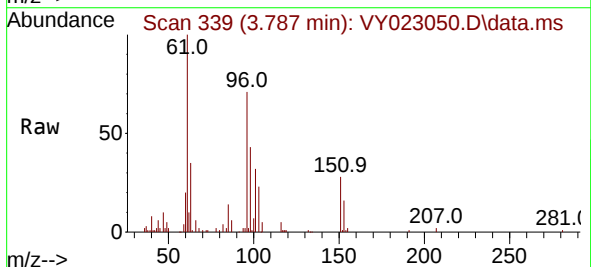
Instrument :
MSVOA_Y
ClientSampleId :

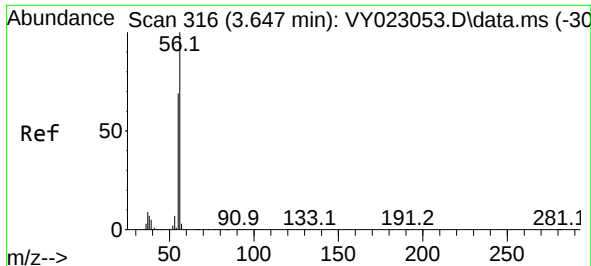
Tgt Ion: 59 Resp: 9219
Ion Ratio Lower Upper
59 100
57 13.9 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 5.108 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 96 Resp: 27635
Ion Ratio Lower Upper
96 100
61 141.6 129.4 194.2
98 60.6 52.8 79.2

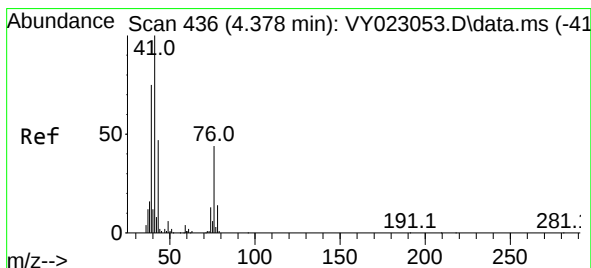
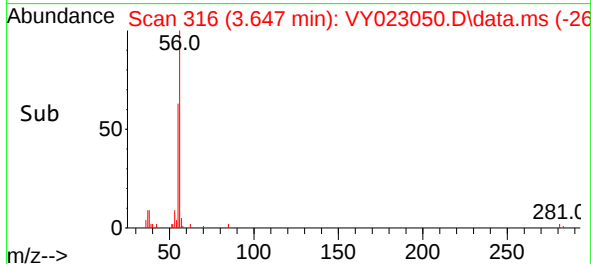
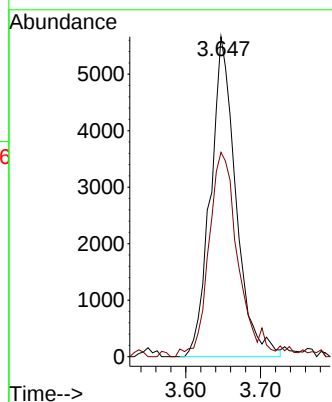
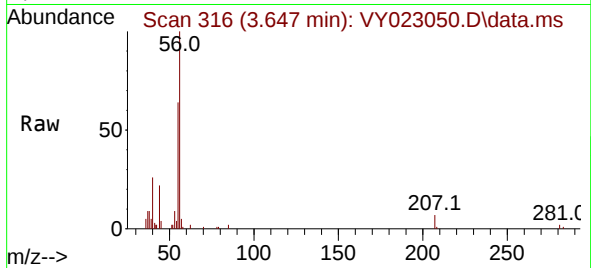




#13
Acrolein
Concen: 24.941 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

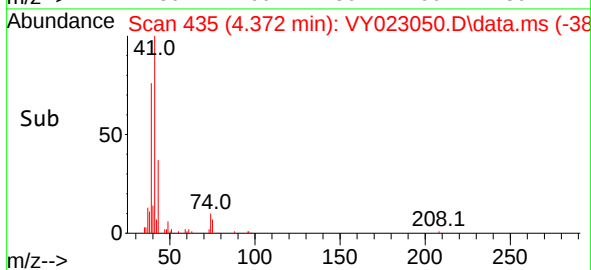
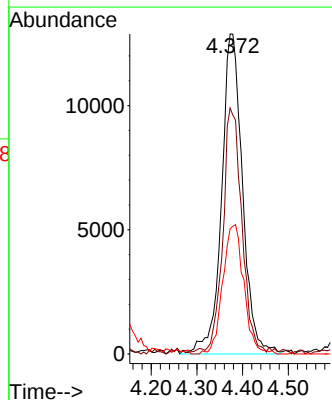
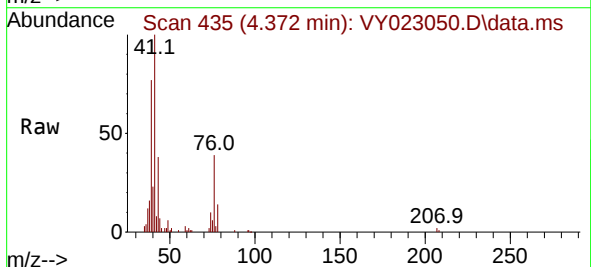
Instrument :
MSVOA_Y
ClientSampleId :

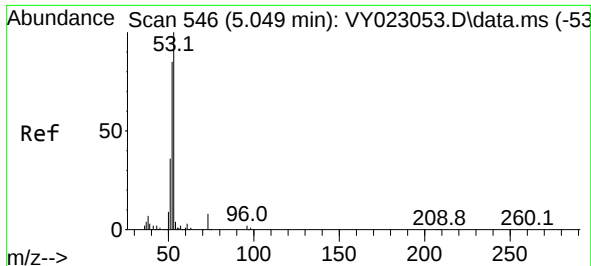
Tgt Ion: 56 Resp: 13391
Ion Ratio Lower Upper
56 100
55 72.8 55.2 82.8



#14
Allyl chloride
Concen: 5.176 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

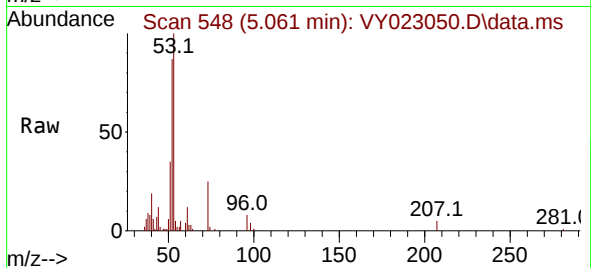
Tgt Ion: 41 Resp: 41201
Ion Ratio Lower Upper
41 100
39 67.7 59.8 89.6
76 40.4 33.7 50.5



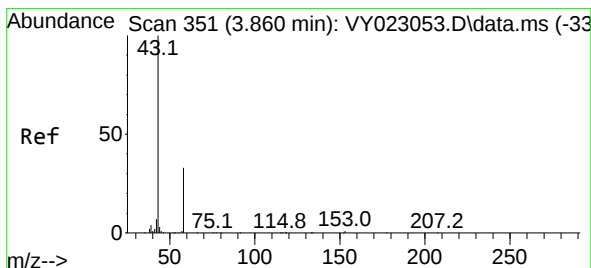
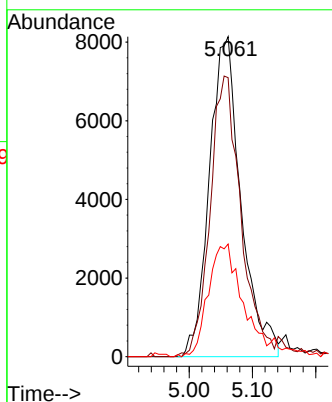
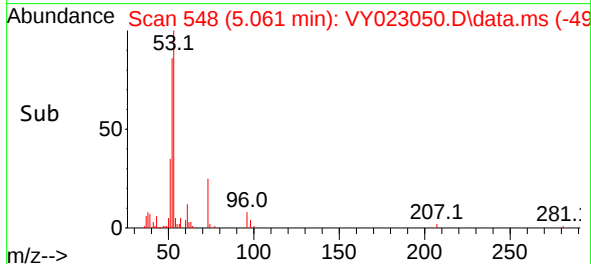


#15
Acrylonitrile
Concen: 23.547 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :

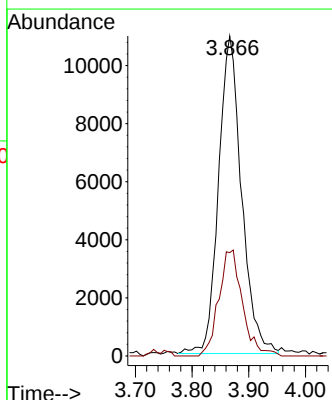
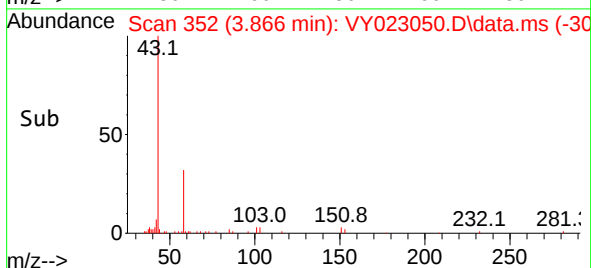
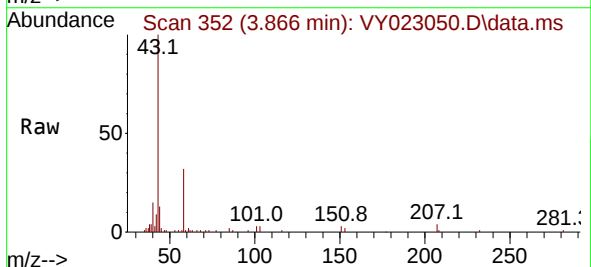


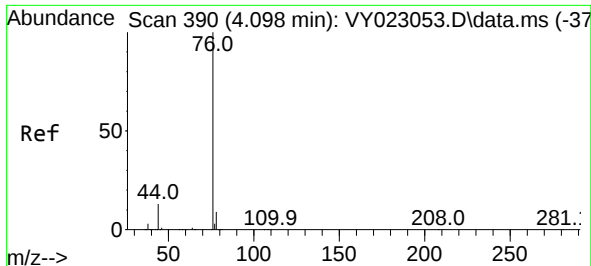
Tgt Ion: 53 Resp: 28255
Ion Ratio Lower Upper
53 100
52 84.9 65.3 97.9
51 40.9 29.5 44.3



#16
Acetone
Concen: 26.574 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 30803
Ion Ratio Lower Upper
43 100
58 32.5 27.1 40.7

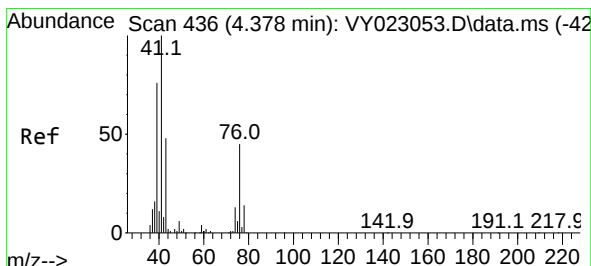
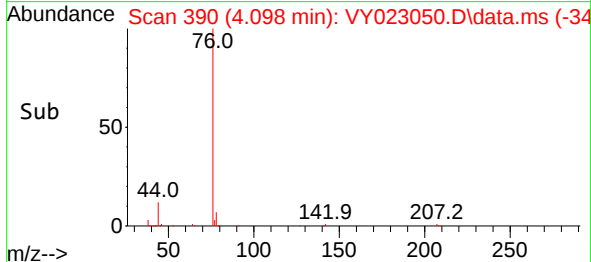
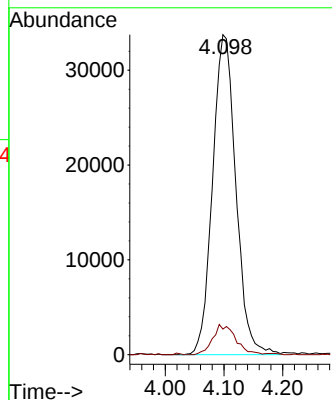
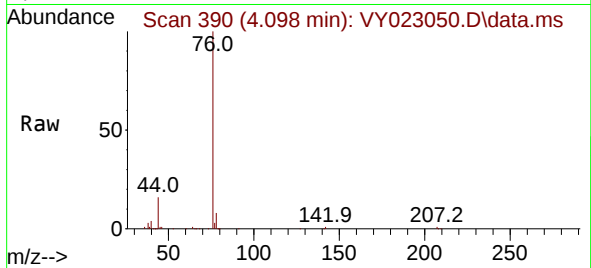




#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

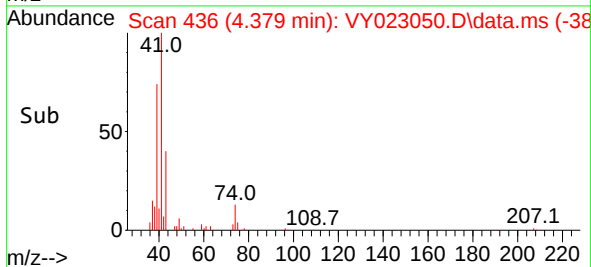
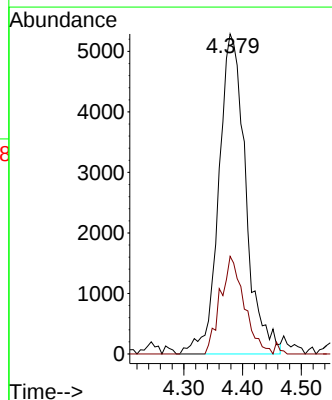
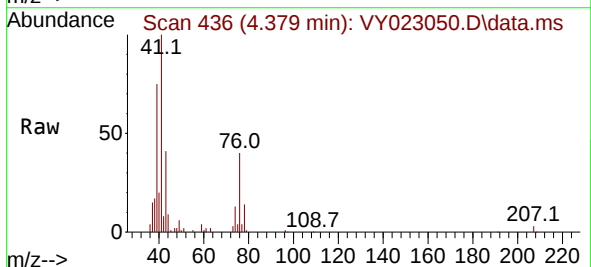
Instrument :
MSVOA_Y
ClientSampleId :

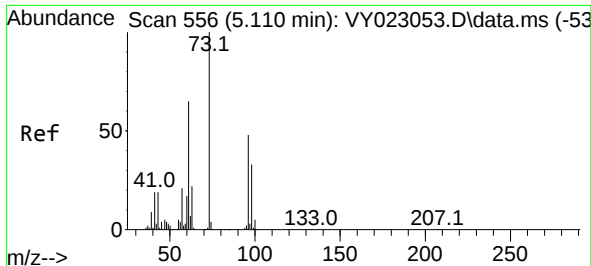
Tgt Ion: 76 Resp: 92964
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2



#18
Methyl Acetate
Concen: 4.872 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
74 26.9 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 4.730 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

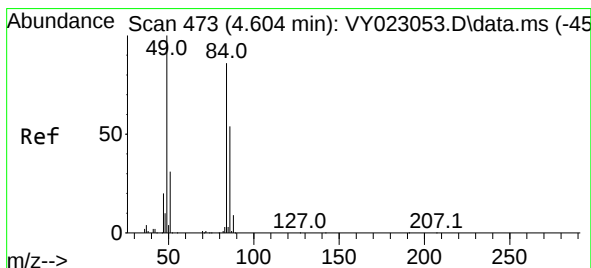
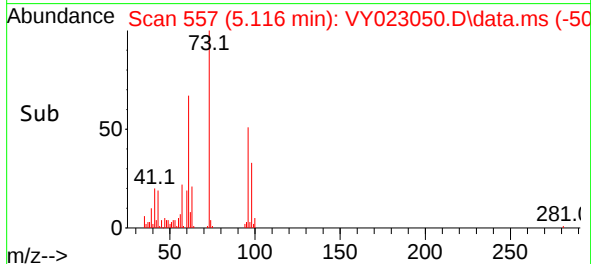
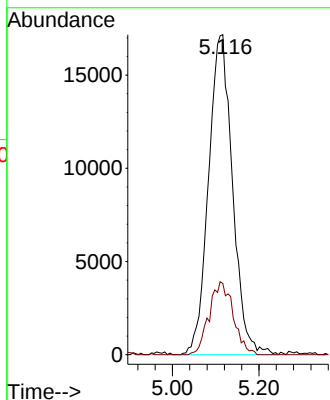
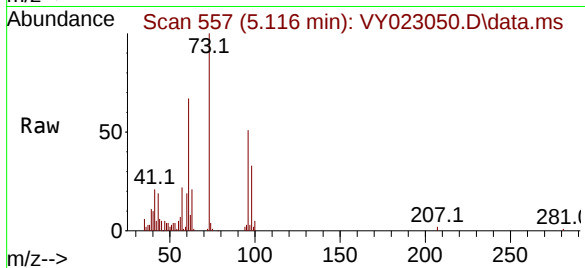
ClientSampleId :

Tgt Ion: 73 Resp: 66308

Ion Ratio Lower Upper

73 100

57 22.3 17.1 25.7



#20

Methylene Chloride

Concen: 5.657 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion: 84 Resp: 48322

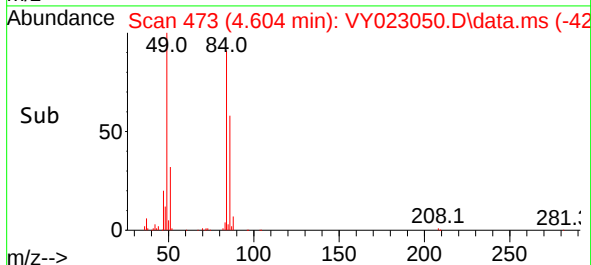
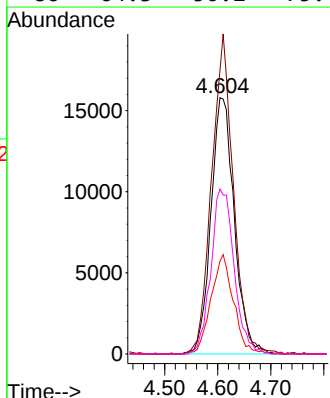
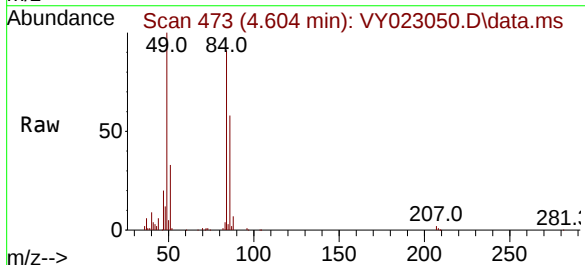
Ion Ratio Lower Upper

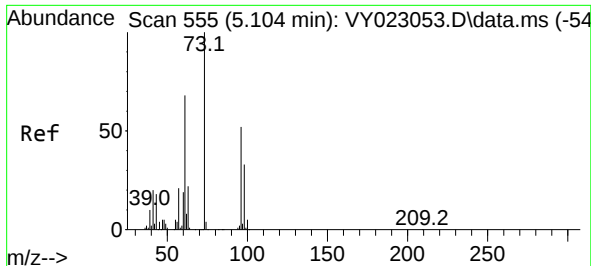
84 100

49 110.5 93.0 139.6

51 36.2 29.0 43.4

86 64.3 50.2 75.4

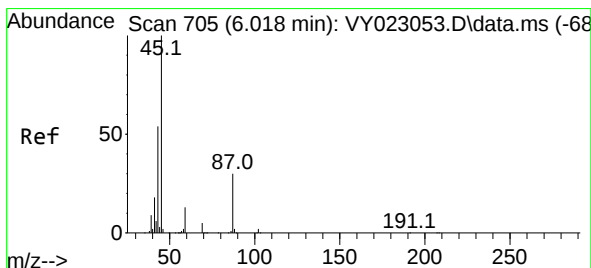
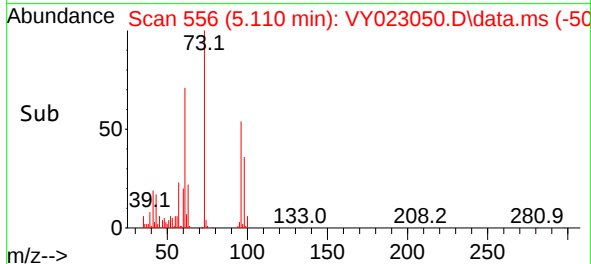
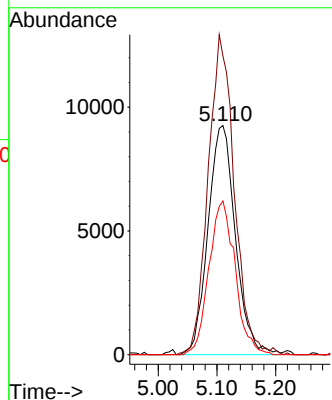
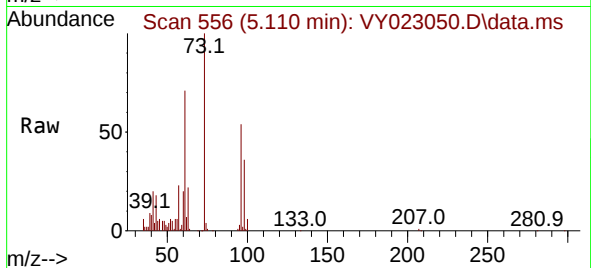




#21
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

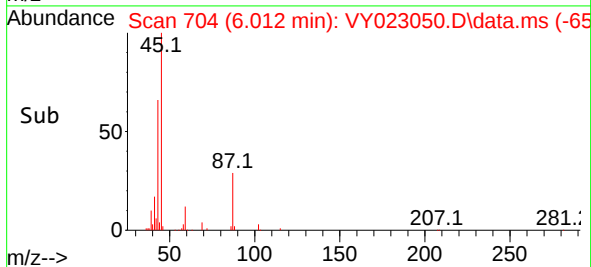
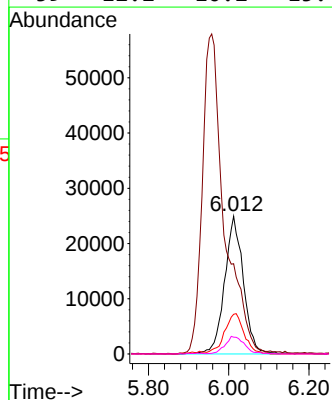
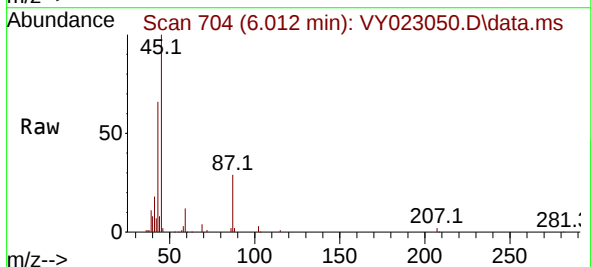
Instrument :
MSVOA_Y
ClientSampleId :

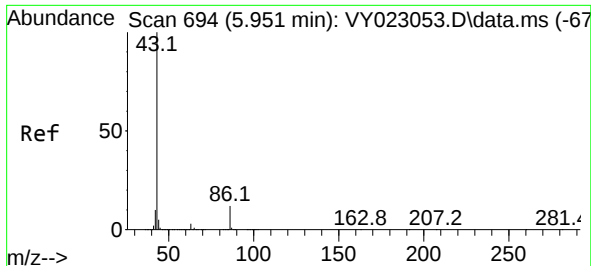
Tgt Ion: 96 Resp: 30021
Ion Ratio Lower Upper
96 100
61 129.7 104.8 157.2
98 67.2 50.1 75.1



#22
Diisopropyl ether
Concen: 4.679 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 45 Resp: 80938
Ion Ratio Lower Upper
45 100
43 64.9 43.4 65.0
87 28.9 24.4 36.6
59 12.2 10.2 15.4

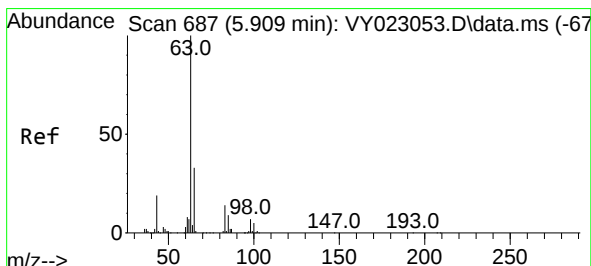
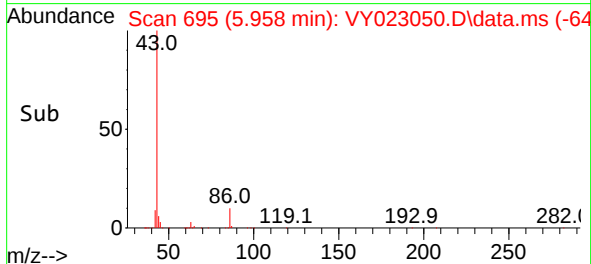
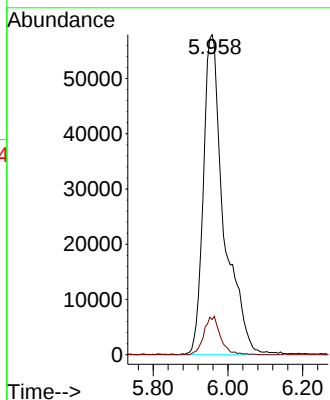
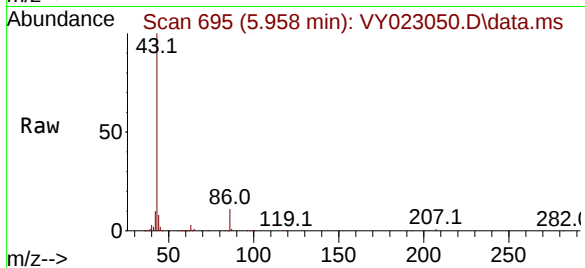




#23
 Vinyl Acetate
 Concen: 23.196 ug/l
 RT: 5.958 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

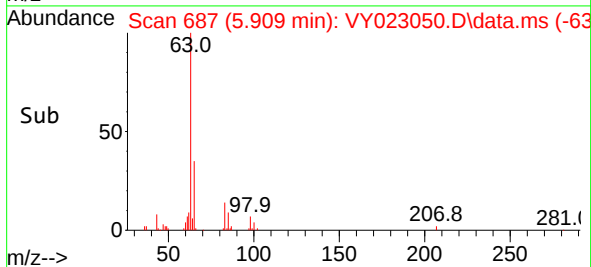
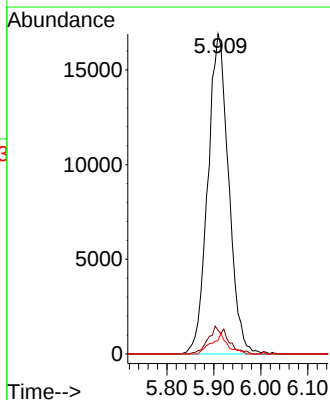
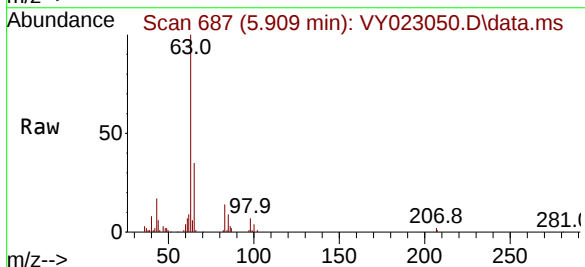
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 43 Resp: 221862
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 4.931 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

Tgt Ion: 63 Resp: 52152
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.1 2.4 7.1





#25

2-Butanone

Concen: 23.991 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

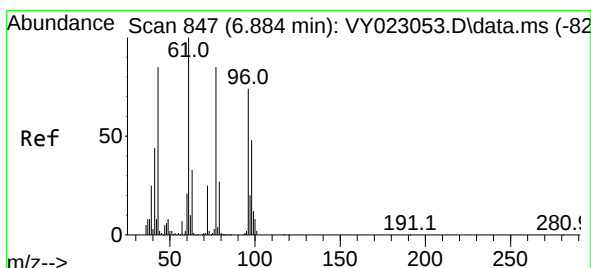
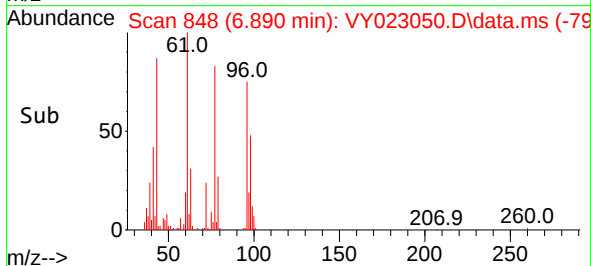
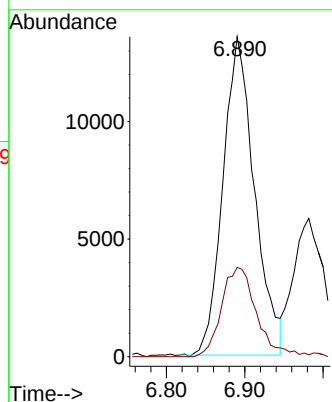
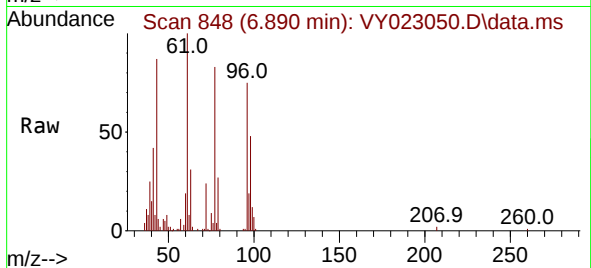
ClientSampleId :

Tgt Ion: 43 Resp: 37821

Ion Ratio Lower Upper

43 100

72 28.0 23.5 35.3



#26

2,2-Dichloropropane

Concen: 5.147 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023050.D

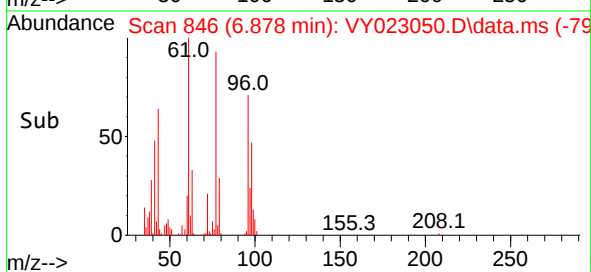
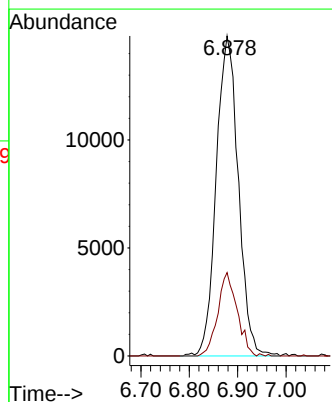
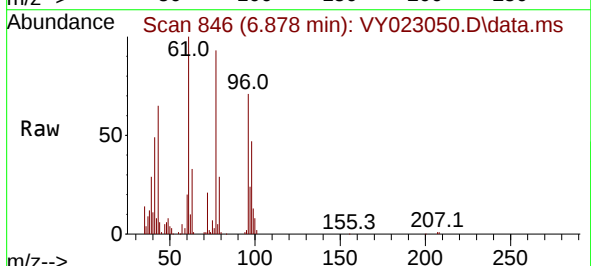
Acq: 12 Aug 2025 14:54

Tgt Ion: 77 Resp: 46964

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 4.962 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

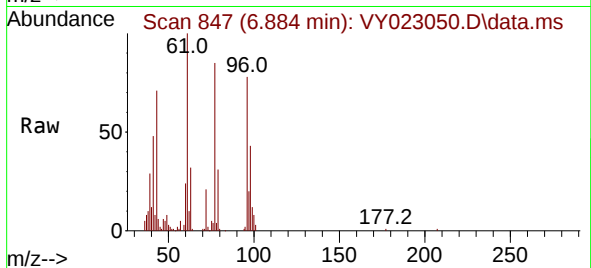
Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :



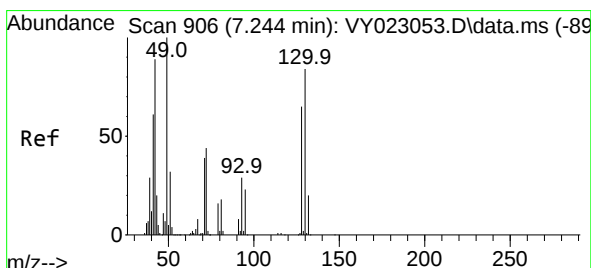
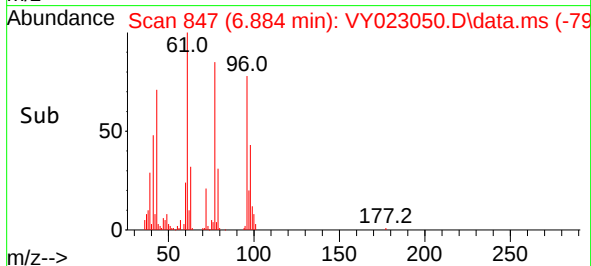
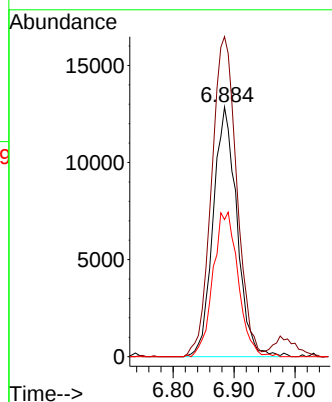
Tgt Ion: 96 Resp: 34877

Ion Ratio Lower Upper

96 100

61 135.9 0.0 278.6

98 61.4 0.0 130.4



#28

Bromochloromethane

Concen: 4.913 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

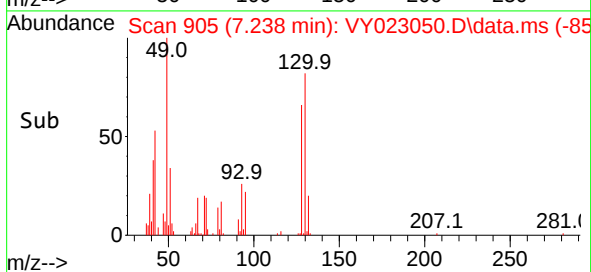
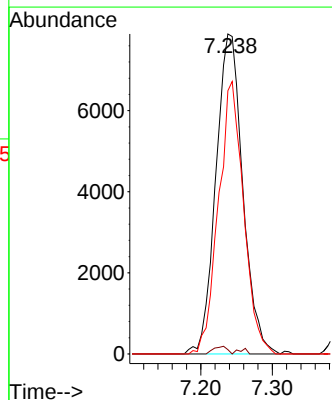
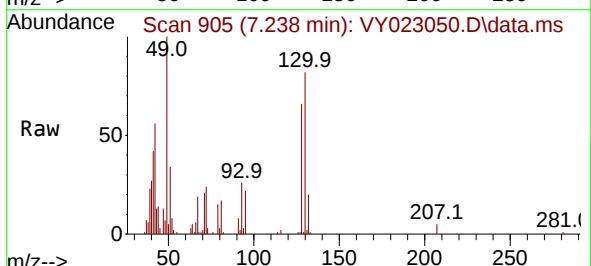
Tgt Ion: 49 Resp: 20615

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.2

130 79.7 66.4 99.6





#29

Tetrahydrofuran

Concen: 24.035 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

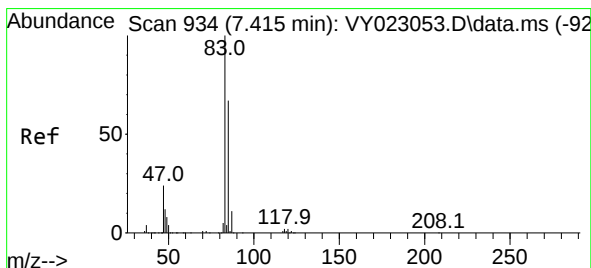
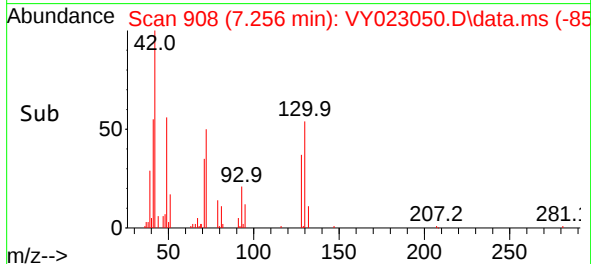
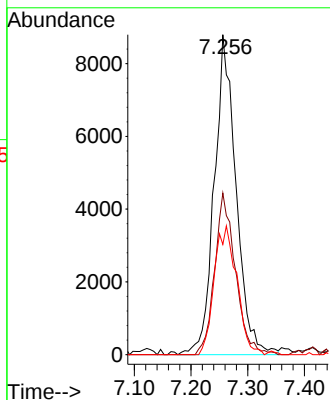
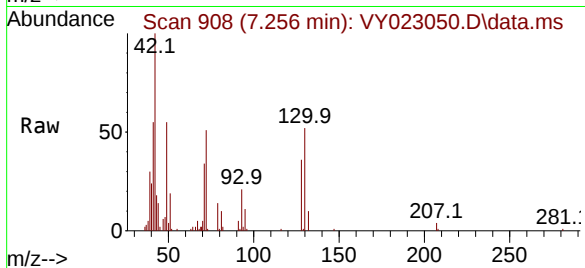
Tgt Ion: 42 Resp: 23487

Ion Ratio Lower Upper

42 100

72 48.1 39.4 59.2

71 41.8 36.5 54.7



#30

Chloroform

Concen: 4.987 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023050.D

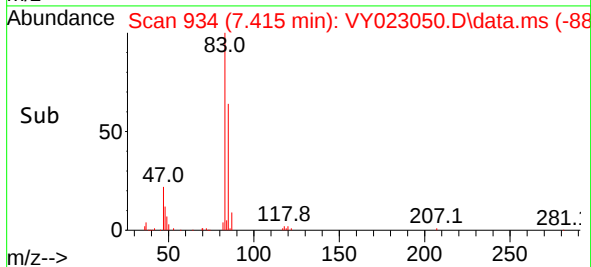
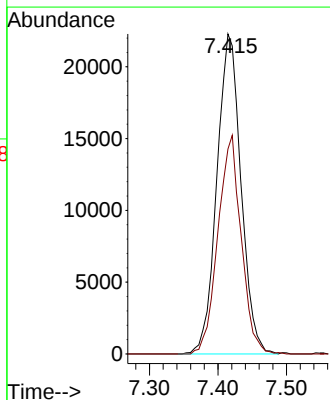
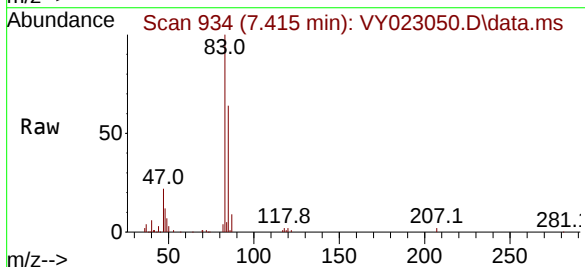
Acq: 12 Aug 2025 14:54

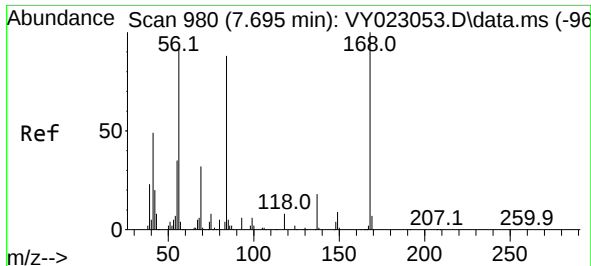
Tgt Ion: 83 Resp: 54392

Ion Ratio Lower Upper

83 100

85 64.0 53.8 80.8

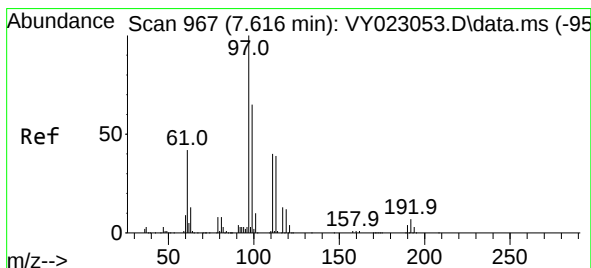
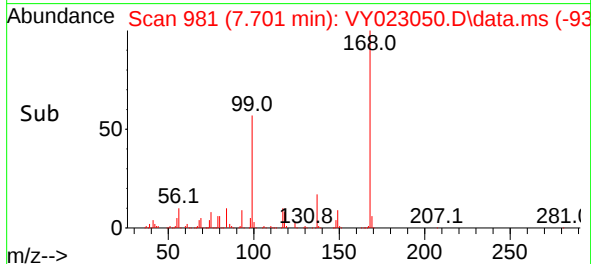
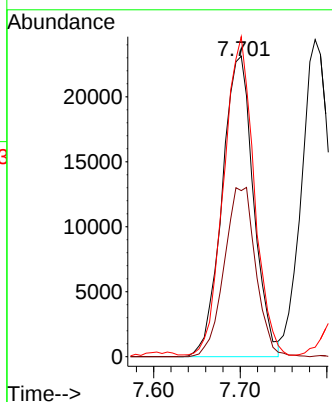
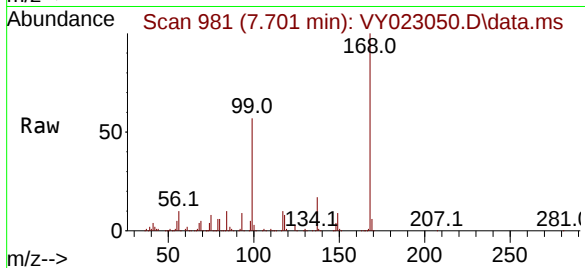




#31
Cyclohexane
Concen: 5.856 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

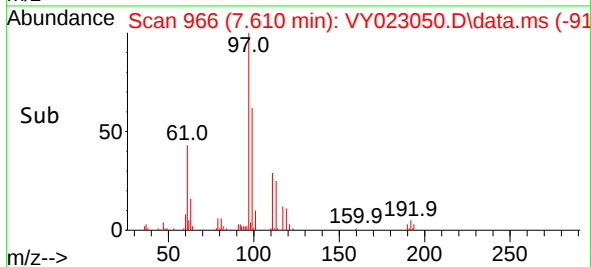
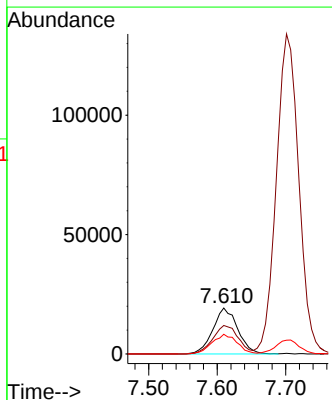
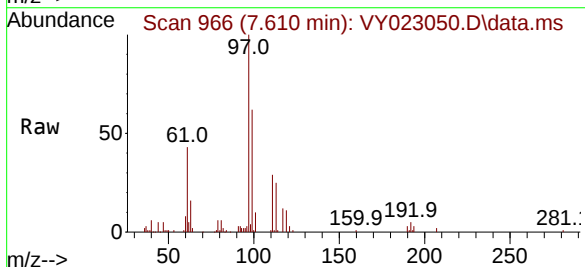
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 58362
Ion Ratio Lower Upper
56 100
69 55.3 28.2 42.2#
84 105.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 5.003 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 97 Resp: 48413
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 43.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 5.152 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

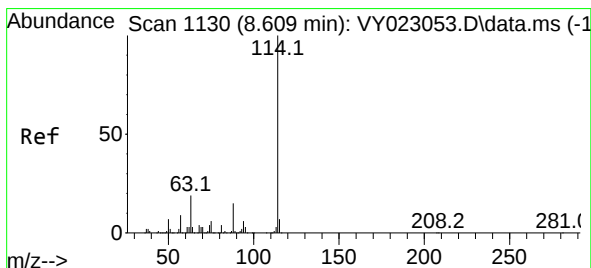
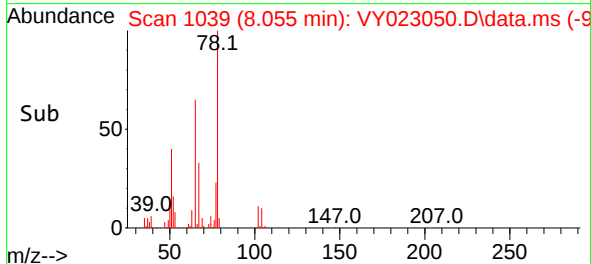
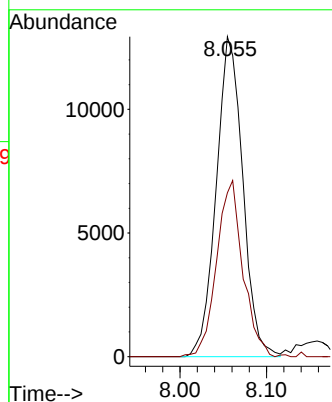
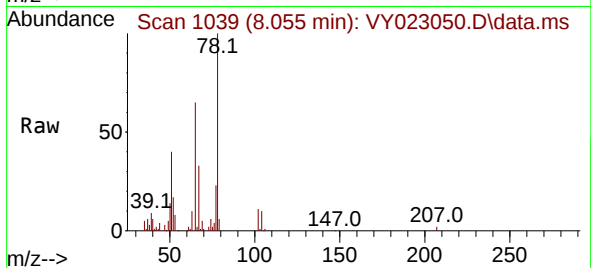
ClientSampleId :

Tgt Ion: 65 Resp: 27563

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

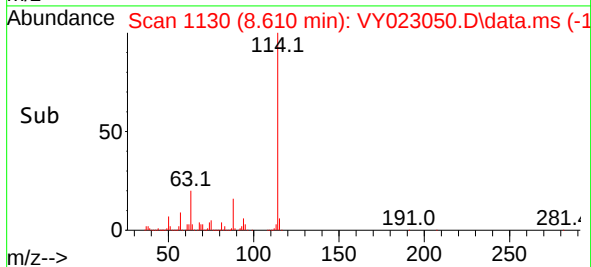
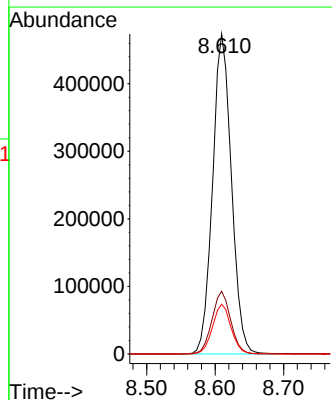
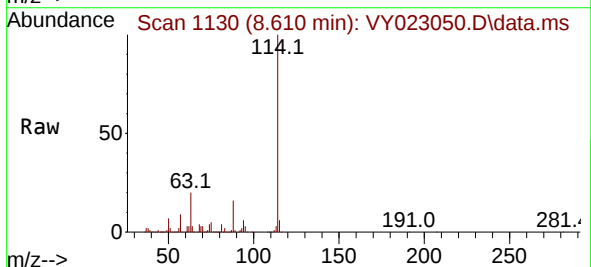
Tgt Ion: 114 Resp: 904866

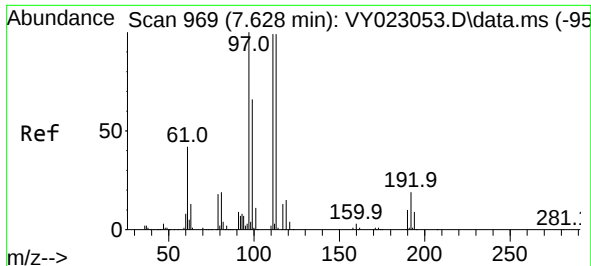
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.5 0.0 30.0

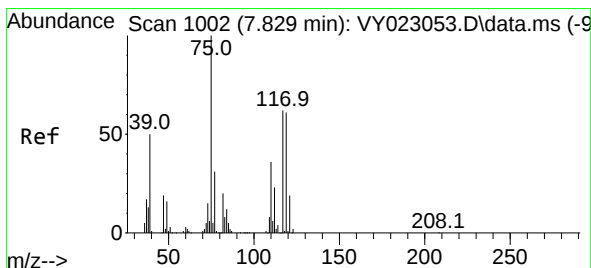
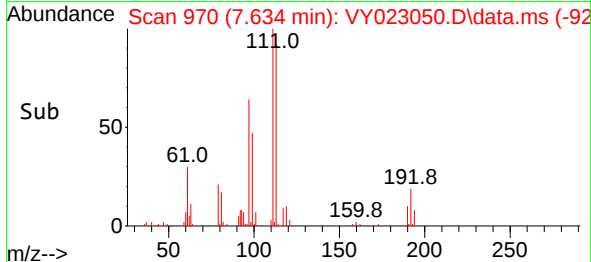
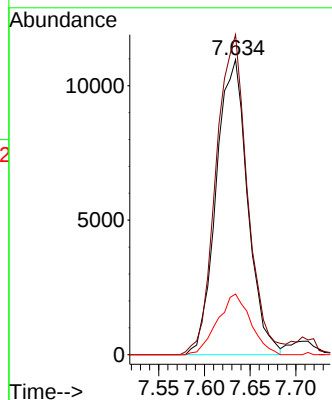
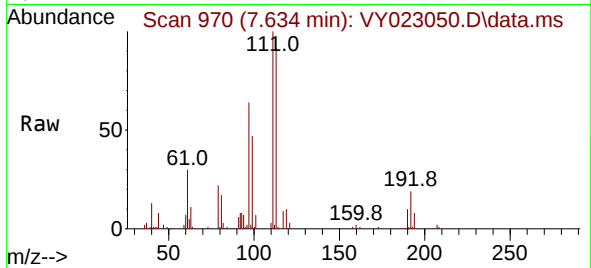




#35
Dibromofluoromethane
Concen: 4.851 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

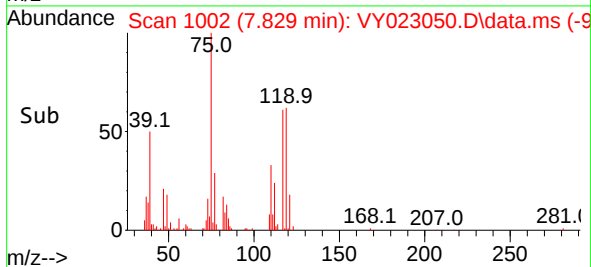
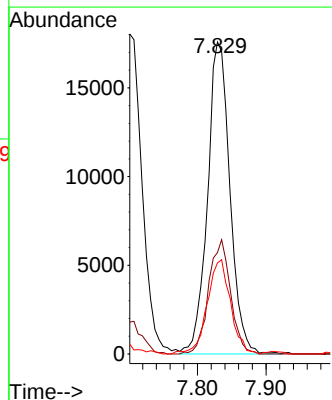
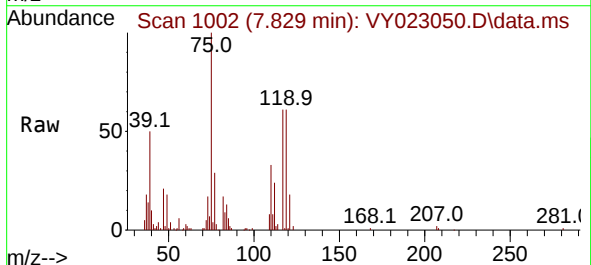
Instrument :
MSVOA_Y
ClientSampleId :

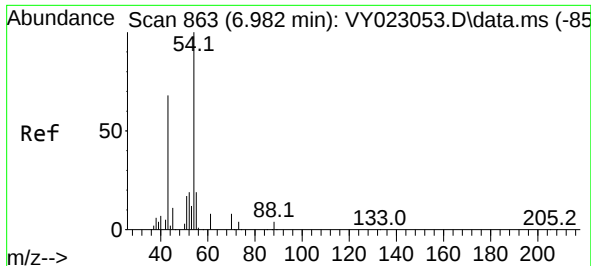
Tgt Ion:113 Resp: 26265
Ion Ratio Lower Upper
113 100
111 108.8 81.1 121.7
192 21.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 39978
Ion Ratio Lower Upper
75 100
110 35.9 18.1 54.4
77 31.4 24.6 37.0

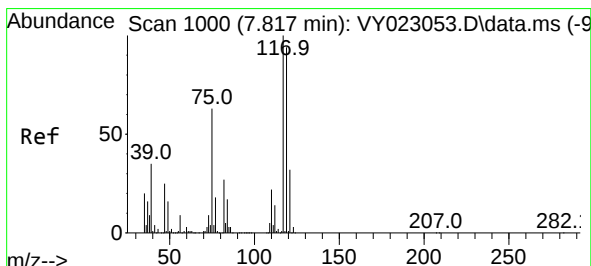
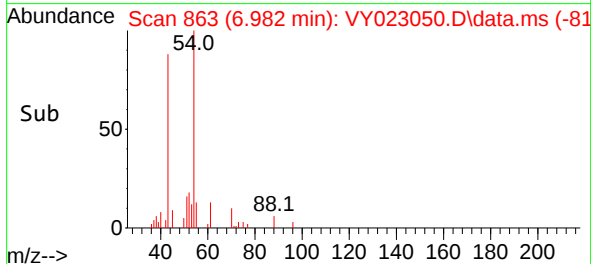
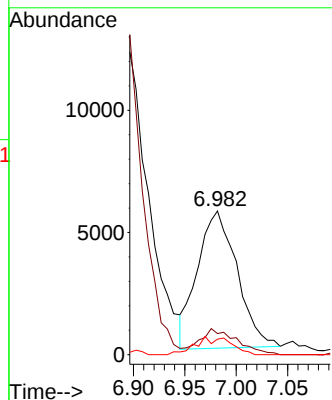
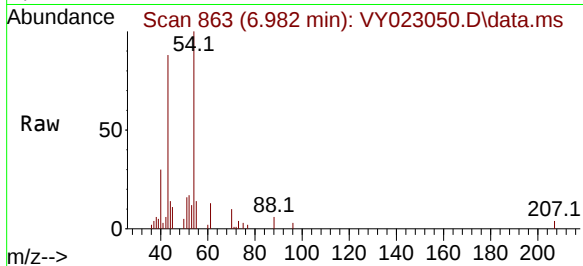




#37
Ethyl Acetate
Concen: 4.461 ug/l
RT: 6.982 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

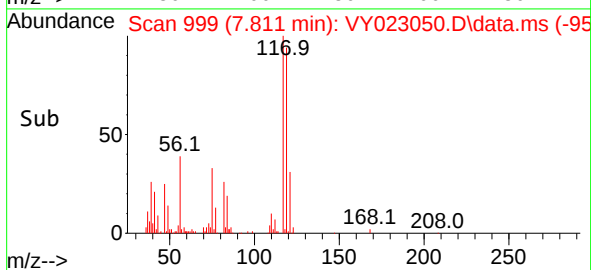
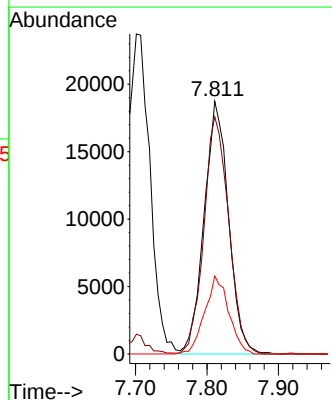
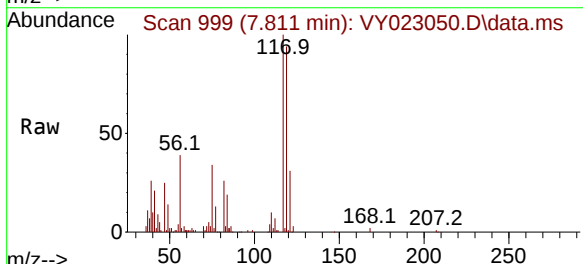
Instrument :
MSVOA_Y
ClientSampleId :

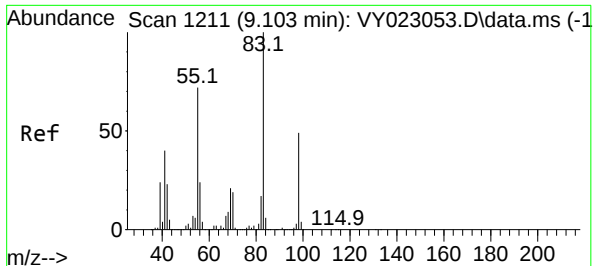
Tgt Ion: 43 Resp: 15080
Ion Ratio Lower Upper
43 100
61 18.1 11.9 17.9#
70 11.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 5.076 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 117 Resp: 44360
Ion Ratio Lower Upper
117 100
119 93.9 75.6 113.4
121 30.8 25.8 38.8





#39

Methylcyclohexane

Concen: 4.901 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

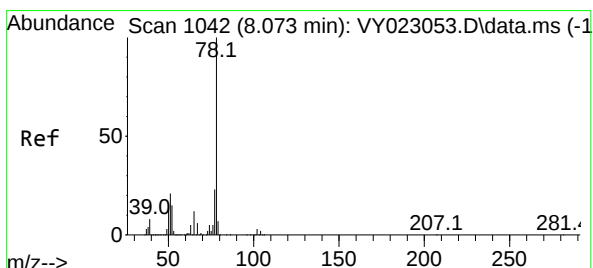
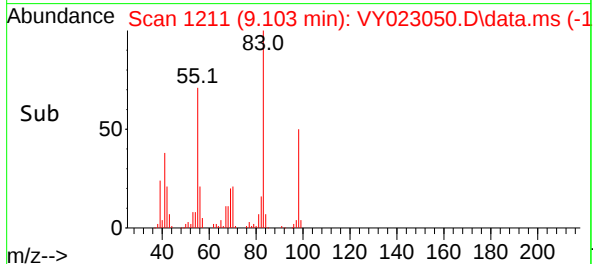
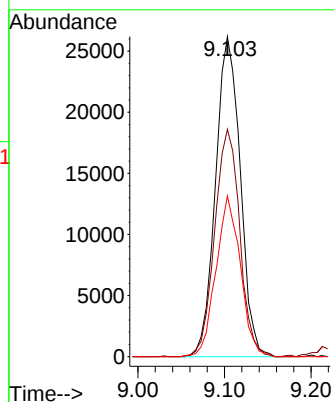
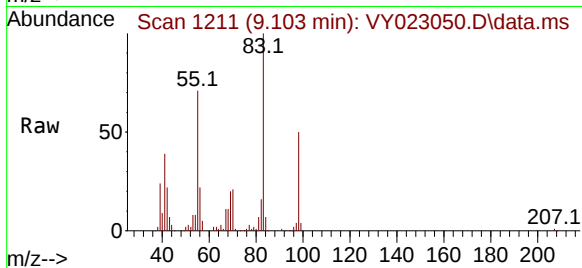
Tgt Ion: 83 Resp: 51931

Ion Ratio Lower Upper

83 100

55 71.1 57.6 86.4

98 50.2 39.2 58.8



#40

Benzene

Concen: 4.939 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023050.D

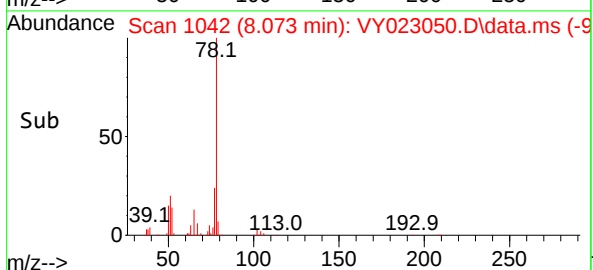
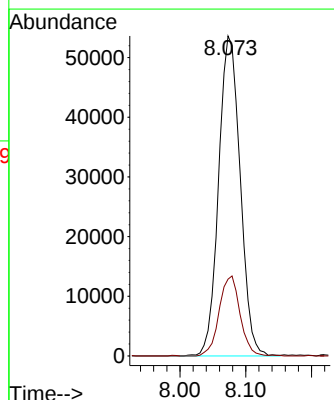
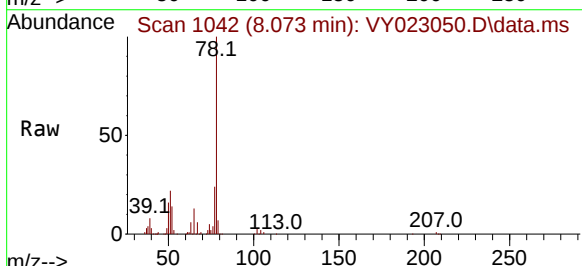
Acq: 12 Aug 2025 14:54

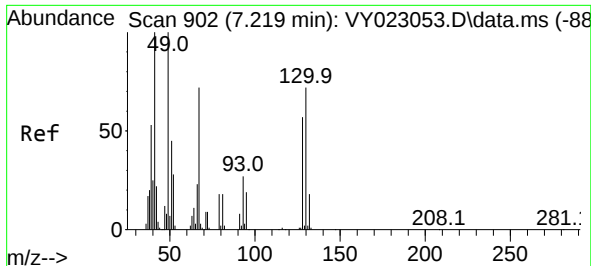
Tgt Ion: 78 Resp: 122482

Ion Ratio Lower Upper

78 100

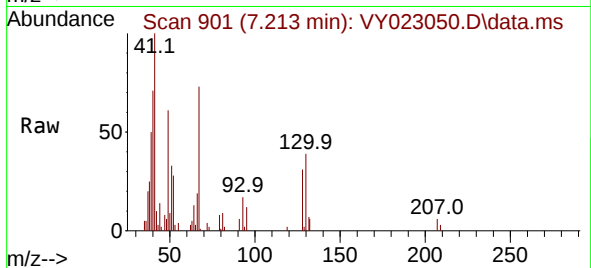
77 24.0 18.6 28.0



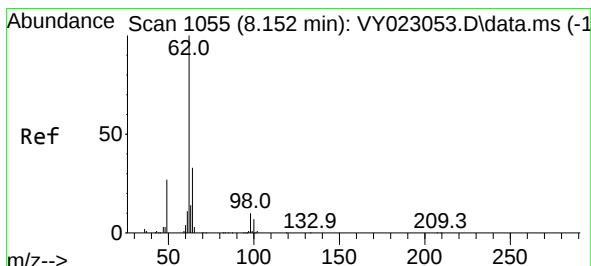
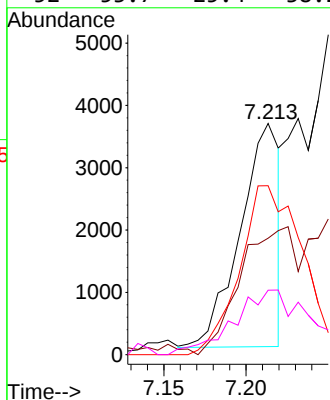
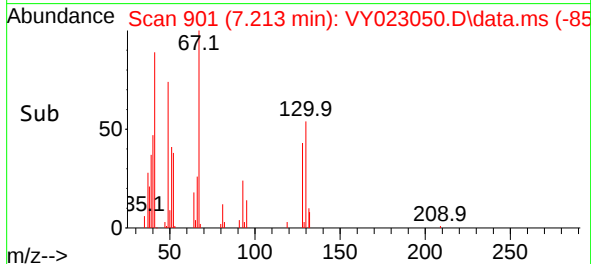


#41
Methacrylonitrile
Concen: 3.075 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :

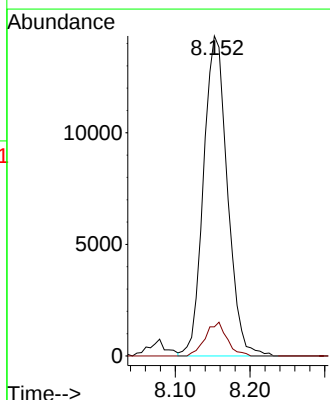
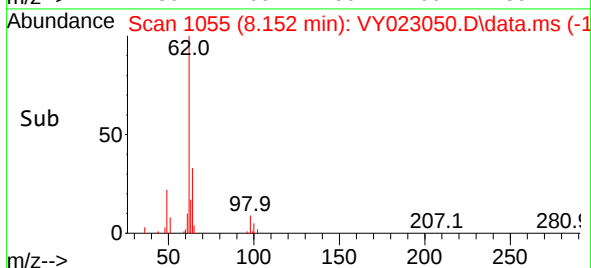
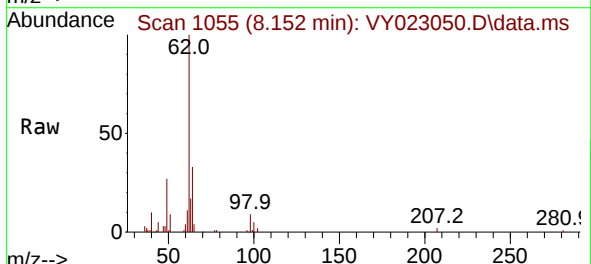


Tgt Ion: 41 Resp: 6006
Ion Ratio Lower Upper
41 100
39 80.4 43.4 65.2#
67 123.5 63.6 95.4#
52 53.7 25.4 38.2#



#42
1,2-Dichloroethane
Concen: 4.946 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 62 Resp: 31902
Ion Ratio Lower Upper
62 100
98 9.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 4.668 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

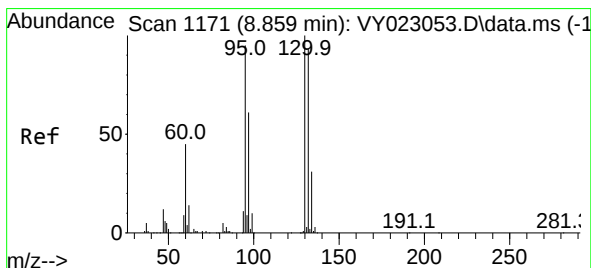
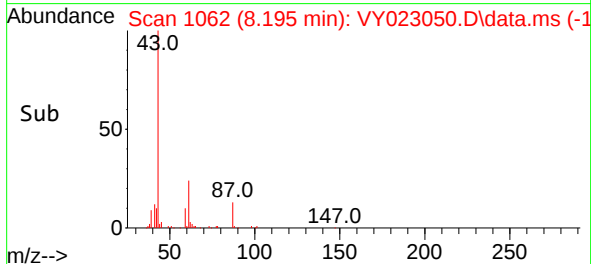
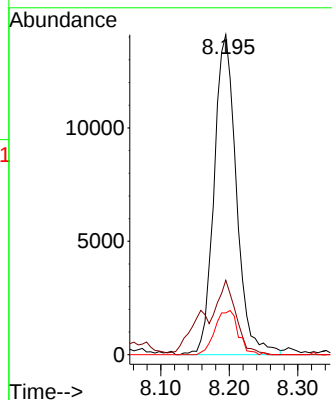
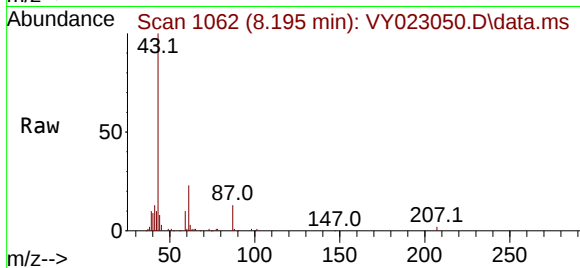
Tgt Ion: 43 Resp: 31890

Ion Ratio Lower Upper

43 100

61 20.6 16.4 24.6

87 14.4 11.8 17.6



#44

Trichloroethene

Concen: 5.001 ug/l

RT: 8.859 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VY023050.D

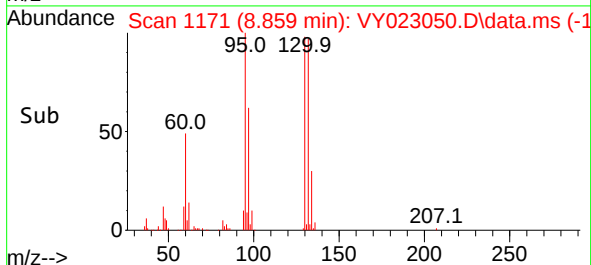
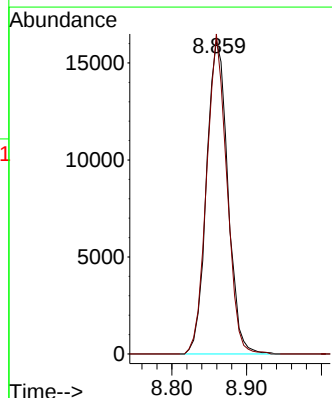
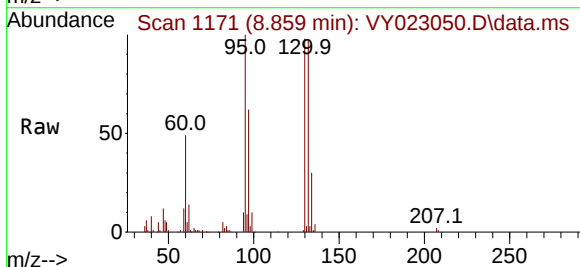
Acq: 12 Aug 2025 14:54

Tgt Ion:130 Resp: 32050

Ion Ratio Lower Upper

130 100

95 102.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 4.805 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

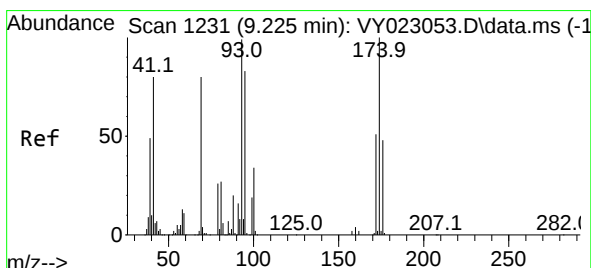
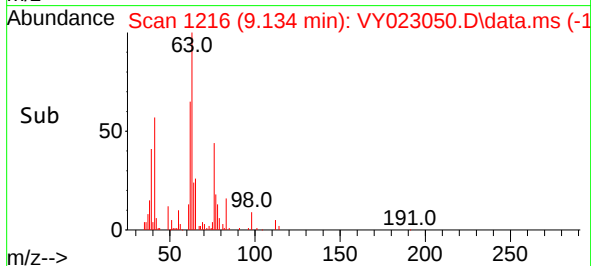
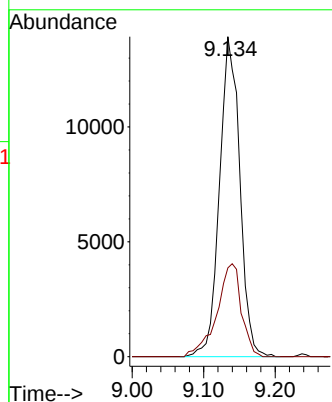
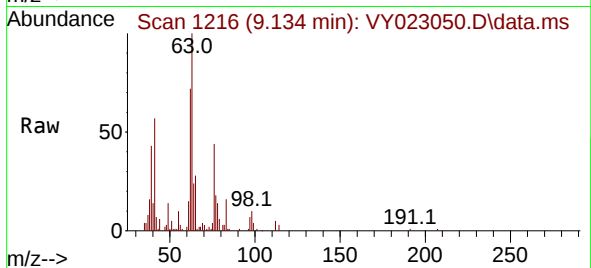
ClientSampleId :

Tgt Ion: 63 Resp: 27418

Ion Ratio Lower Upper

63 100

65 27.7 25.3 37.9



#46

Dibromomethane

Concen: 4.590 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

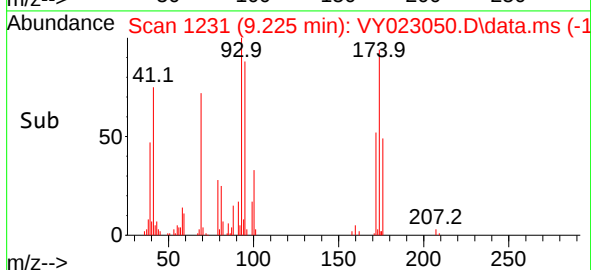
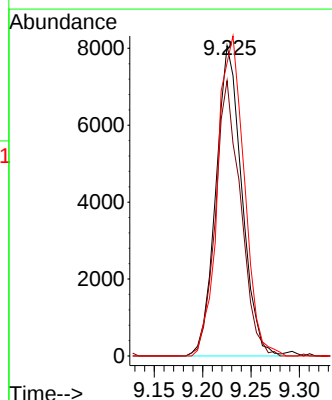
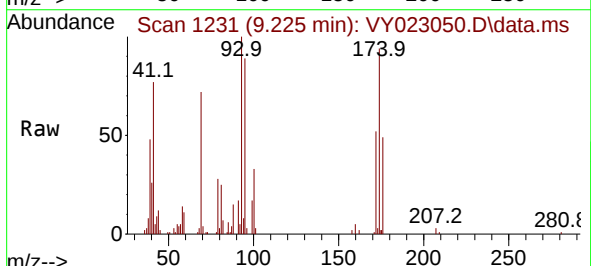
Tgt Ion: 93 Resp: 15033

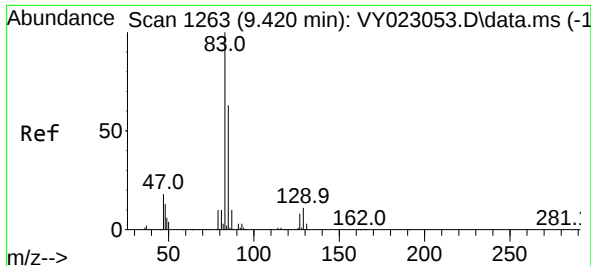
Ion Ratio Lower Upper

93 100

95 86.0 66.5 99.7

174 106.0 81.8 122.8

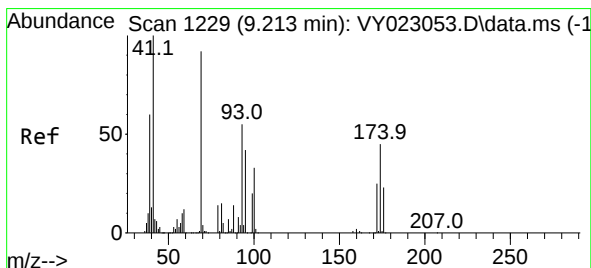
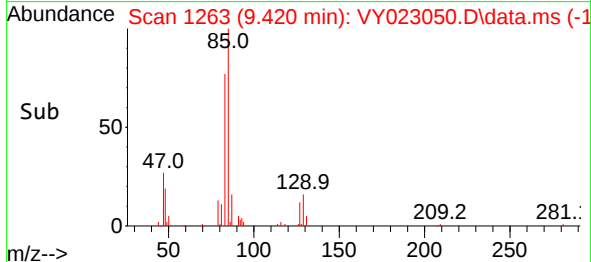
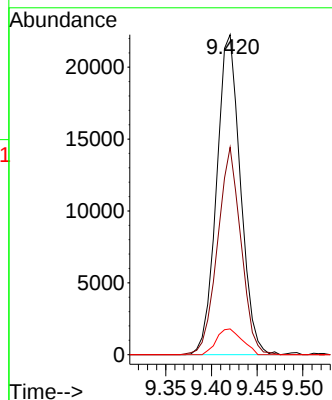
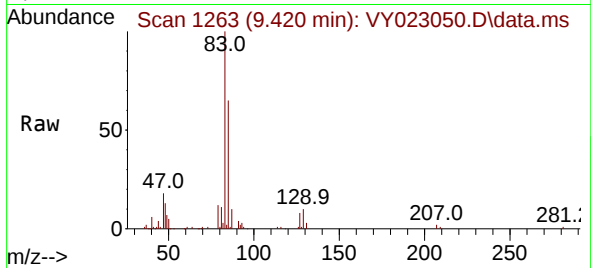




#47
Bromodichloromethane
Concen: 4.785 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

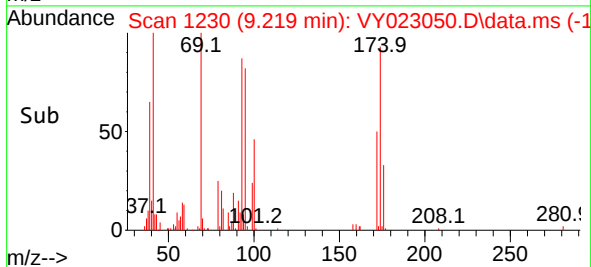
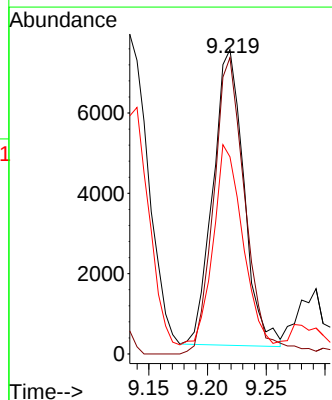
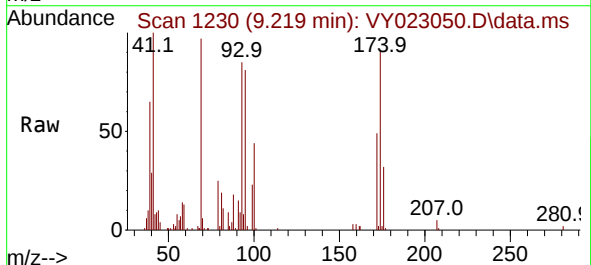
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 40327
Ion Ratio Lower Upper
83 100
85 64.8 50.2 75.4
127 8.1 6.6 10.0



#48
Methyl methacrylate
Concen: 4.122 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 41 Resp: 13477
Ion Ratio Lower Upper
41 100
69 102.1 73.2 109.8
39 65.2 47.0 70.4





#49

1,4-Dioxane

Concen: 89.939 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

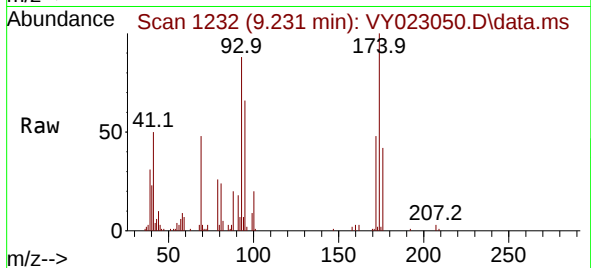
Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :



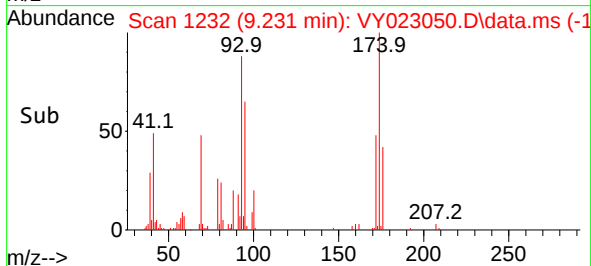
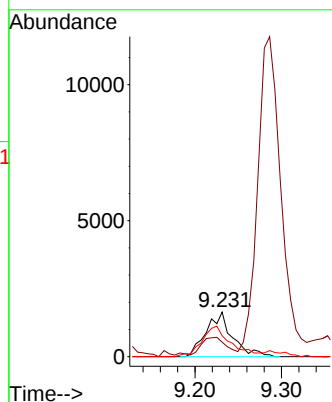
Tgt Ion: 88 Resp: 3454

Ion Ratio Lower Upper

88 100

43 38.3 24.3 36.5#

58 74.4 55.4 83.0



#50

Toluene-d8

Concen: 4.924 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023050.D

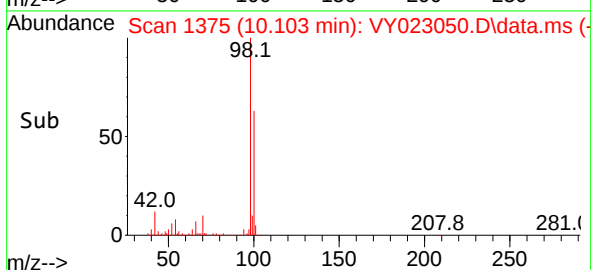
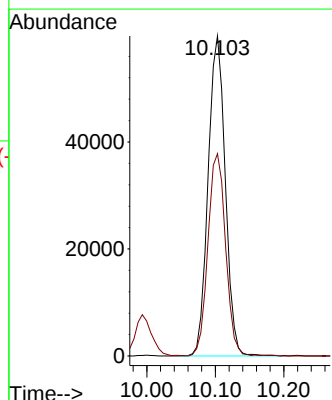
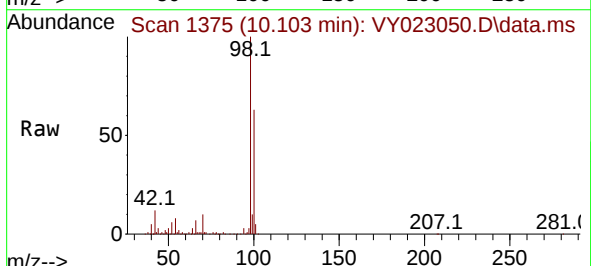
Acq: 12 Aug 2025 14:54

Tgt Ion: 98 Resp: 104144

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 21.535 ug/l

RT: 9.993 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

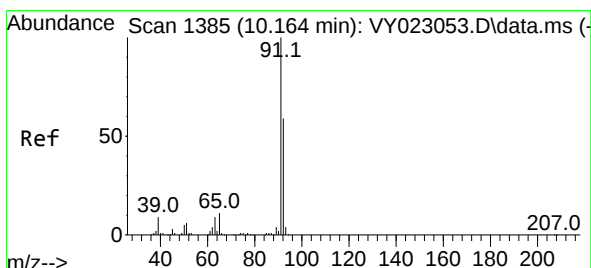
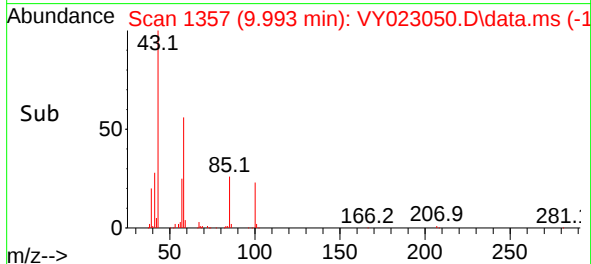
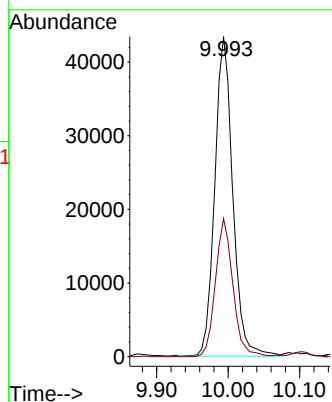
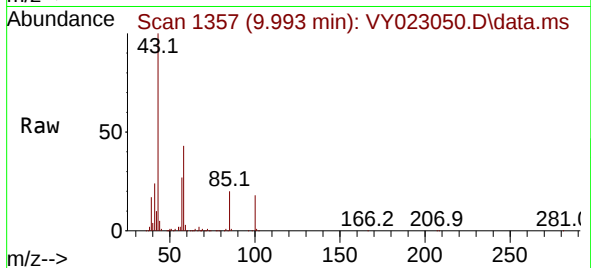
ClientSampleId :

Tgt Ion: 43 Resp: 75891

Ion Ratio Lower Upper

43 100

58 41.9 33.5 50.3



#52

Toluene

Concen: 4.692 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023050.D

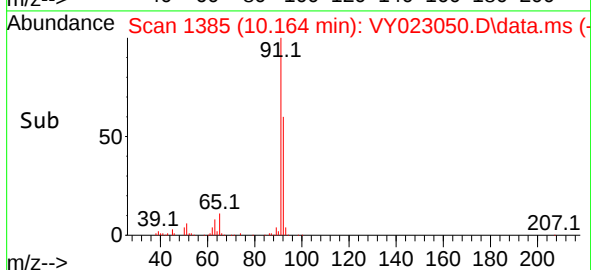
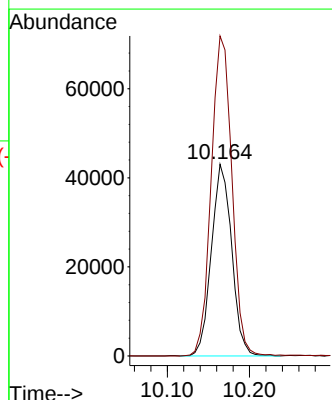
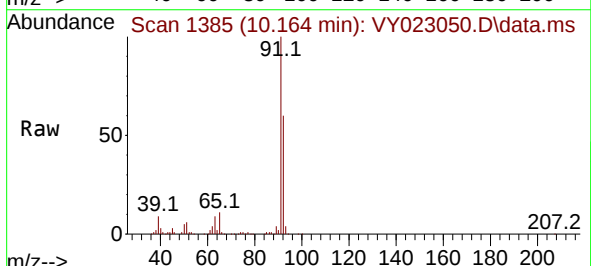
Acq: 12 Aug 2025 14:54

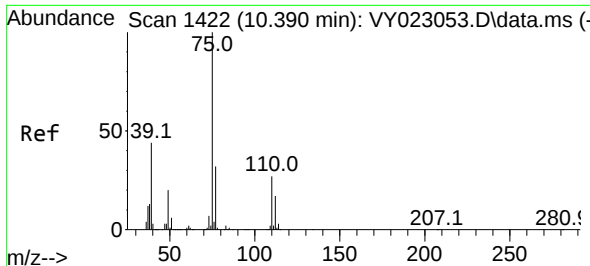
Tgt Ion: 92 Resp: 73910

Ion Ratio Lower Upper

92 100

91 170.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 4.475 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

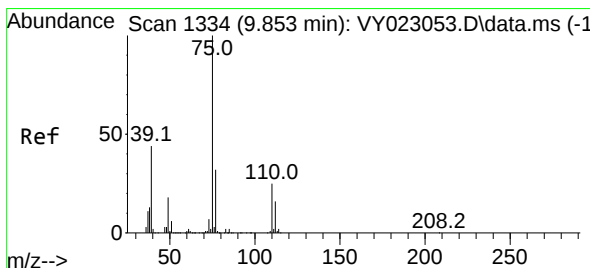
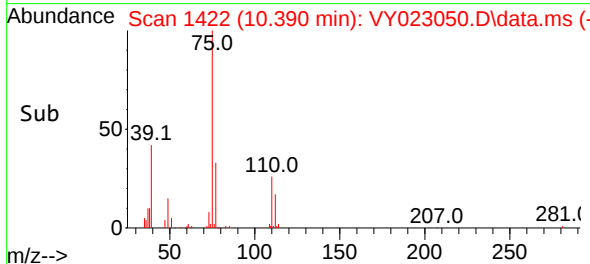
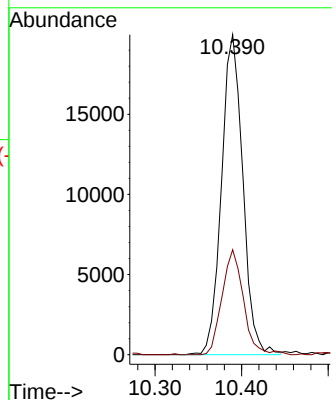
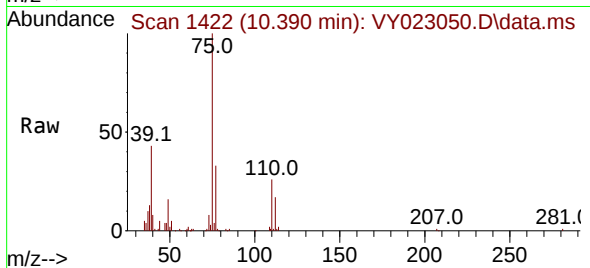
ClientSampleId :

Tgt Ion: 75 Resp: 34154

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 4.579 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

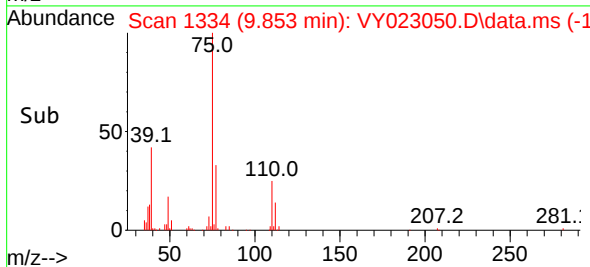
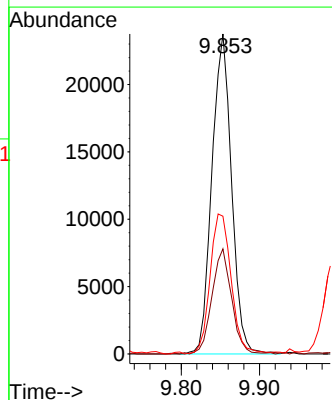
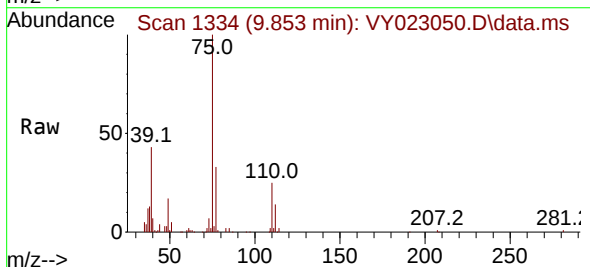
Tgt Ion: 75 Resp: 41326

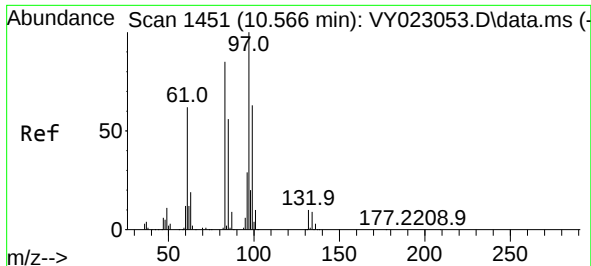
Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0

39 42.5 35.6 53.4



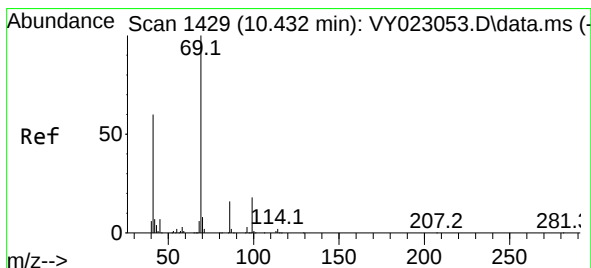
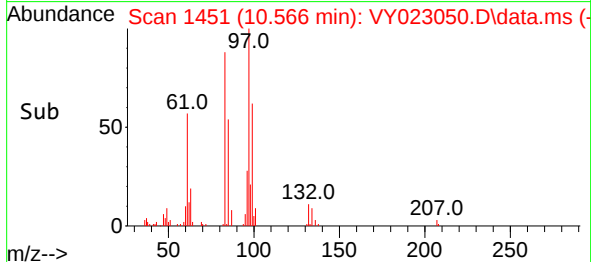
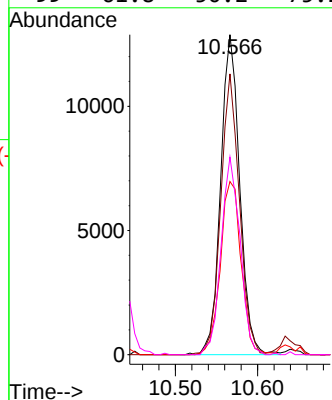
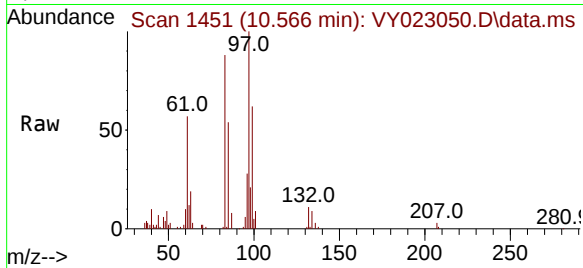


#55
1,1,2-Trichloroethane
Concen: 4.745 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 97 Resp: 20795

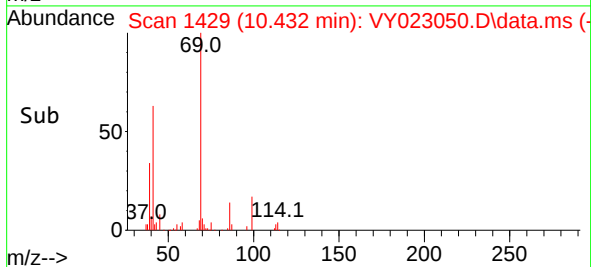
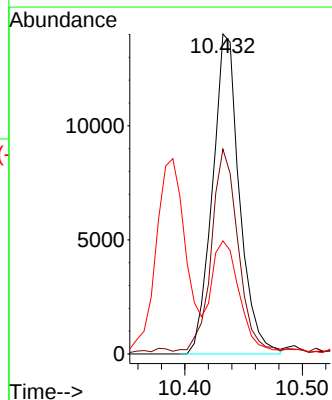
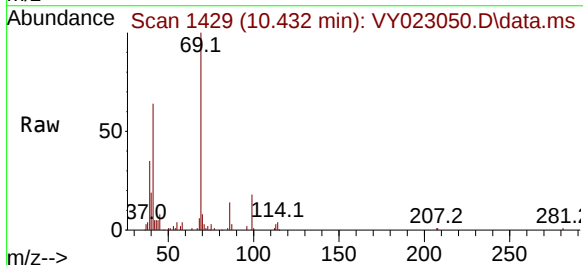
Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.7	101.5
85	54.1	44.5	66.7
99	61.8	50.2	75.2

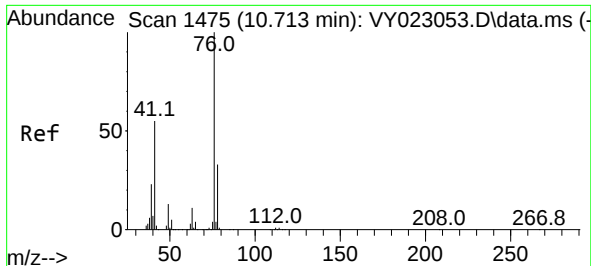


#56
Ethyl methacrylate
Concen: 3.990 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 69 Resp: 22376

Ion	Ratio	Lower	Upper
69	100		
41	61.6	48.6	72.8
39	34.3	27.0	40.4





#57

1,3-Dichloropropane

Concen: 4.687 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

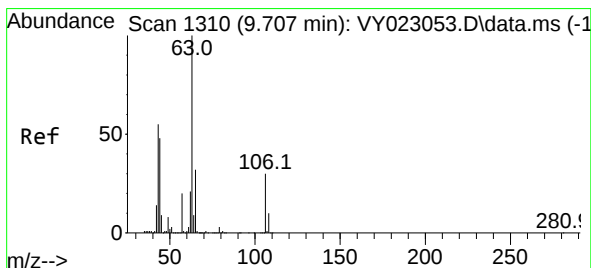
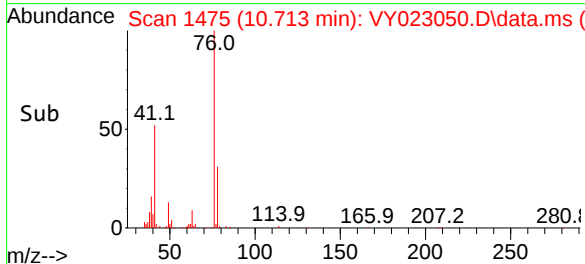
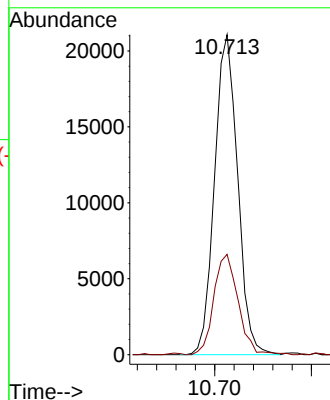
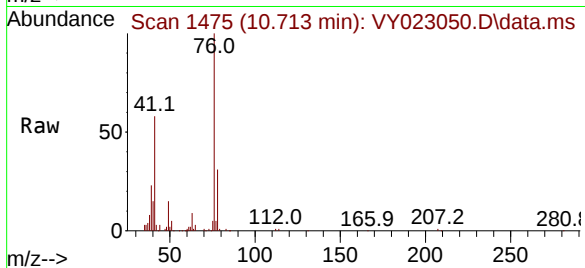
ClientSampleId :

Tgt Ion: 76 Resp: 34835

Ion Ratio Lower Upper

76 100

78 33.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 19.500 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023050.D

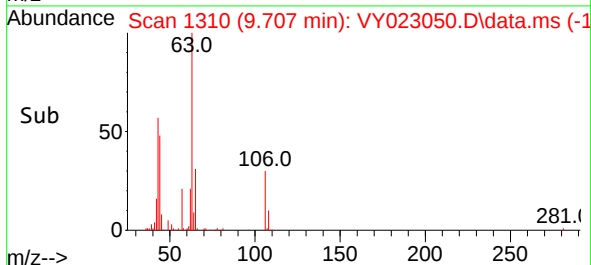
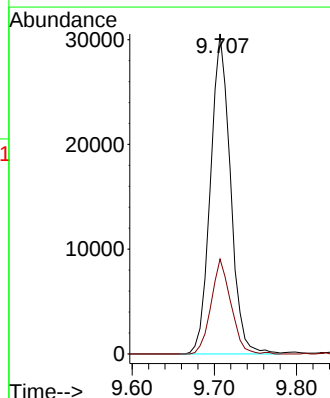
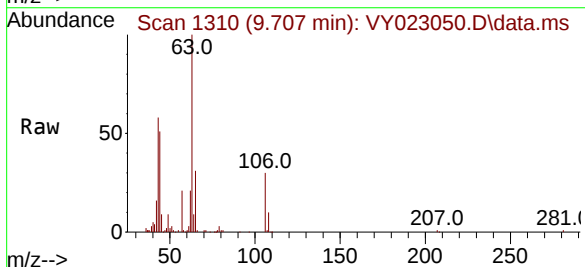
Acq: 12 Aug 2025 14:54

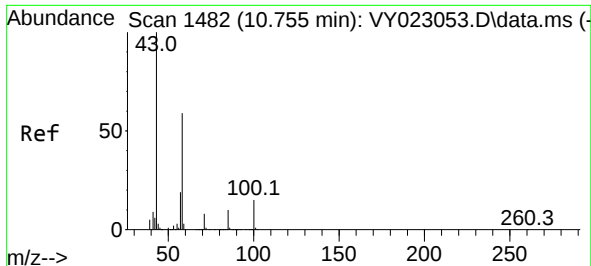
Tgt Ion: 63 Resp: 51585

Ion Ratio Lower Upper

63 100

106 29.2 23.2 34.8





#59

2-Hexanone

Concen: 21.088 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

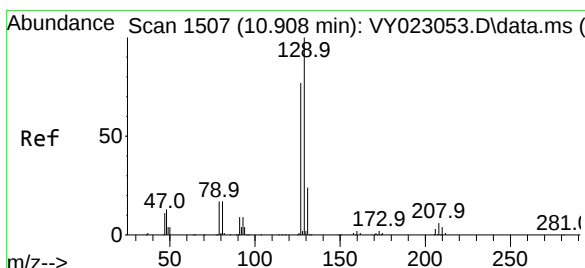
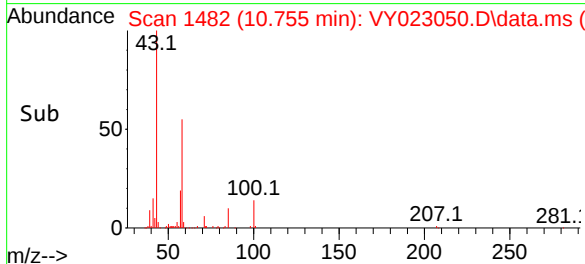
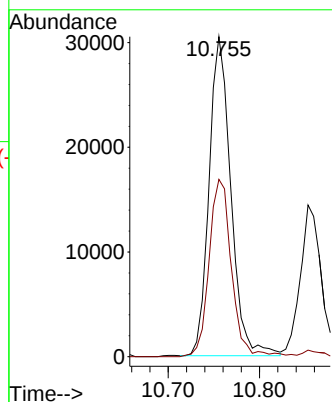
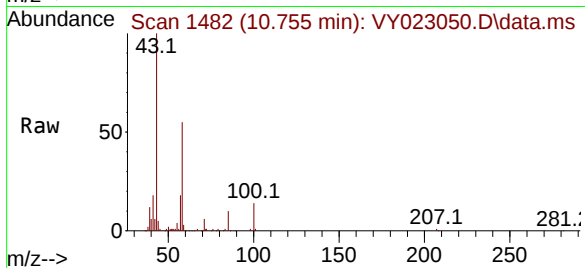
ClientSampleId :

Tgt Ion: 43 Resp: 50604

Ion Ratio Lower Upper

43 100

58 56.9 29.5 88.5



#60

Dibromochloromethane

Concen: 4.693 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023050.D

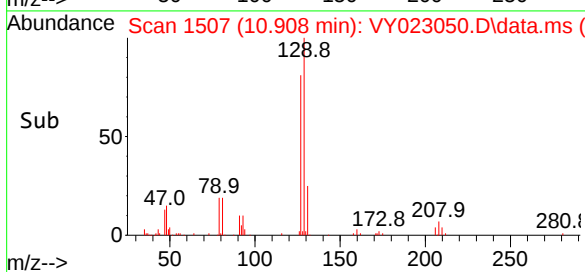
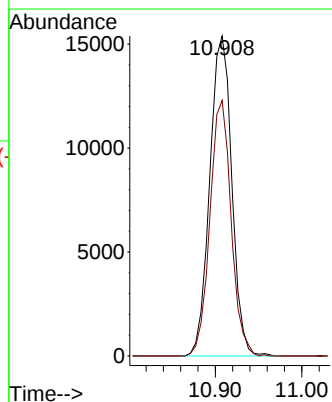
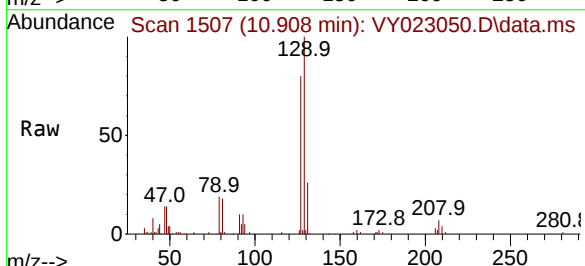
Acq: 12 Aug 2025 14:54

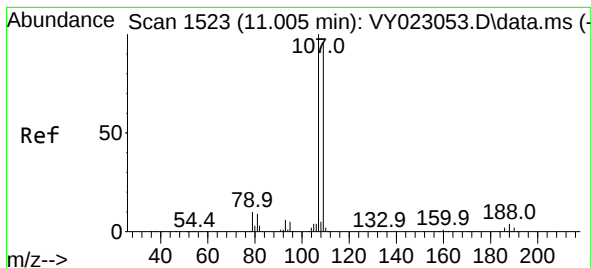
Tgt Ion: 129 Resp: 27141

Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.5

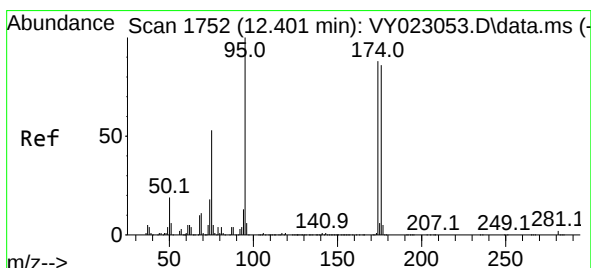
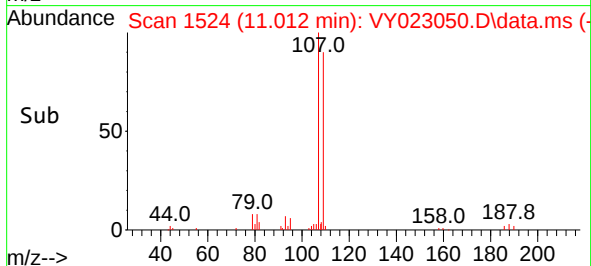
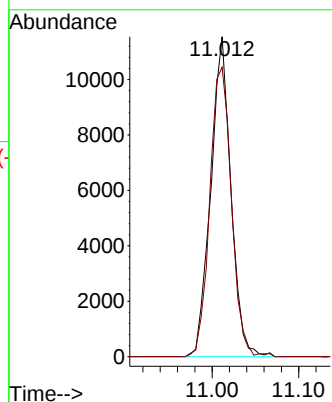
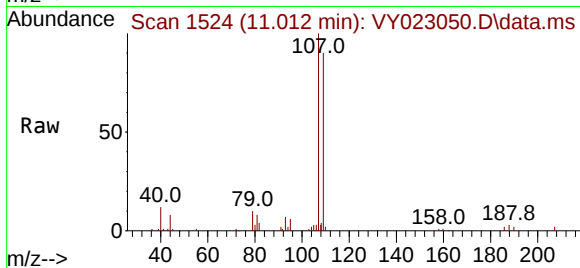




#61
1,2-Dibromoethane
Concen: 4.528 ug/l
RT: 11.012 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

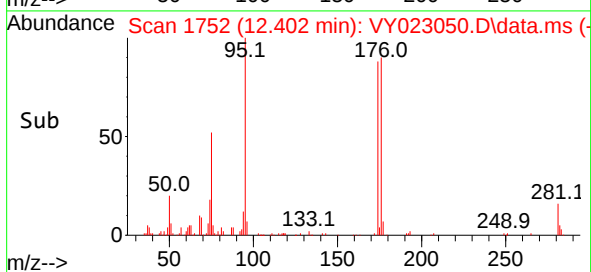
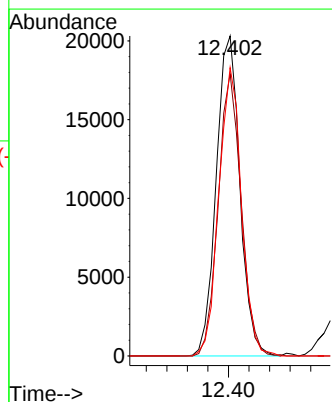
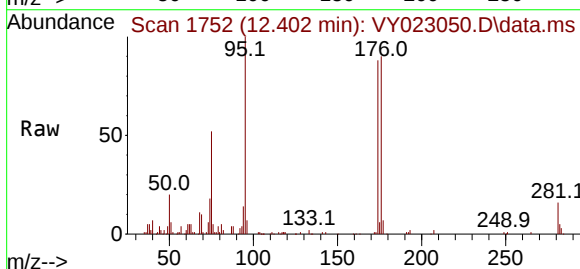
Instrument :
MSVOA_Y
ClientSampleId :

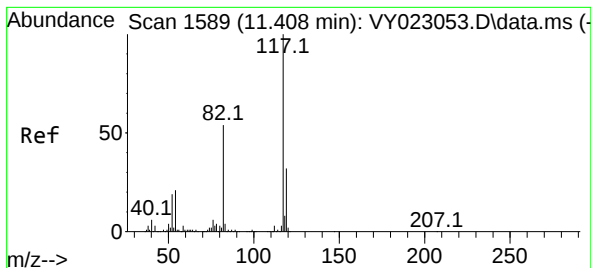
Tgt Ion:107 Resp: 18652
Ion Ratio Lower Upper
107 100
109 97.4 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 4.766 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 95 Resp: 32420
Ion Ratio Lower Upper
95 100
174 85.5 0.0 171.6
176 86.1 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: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

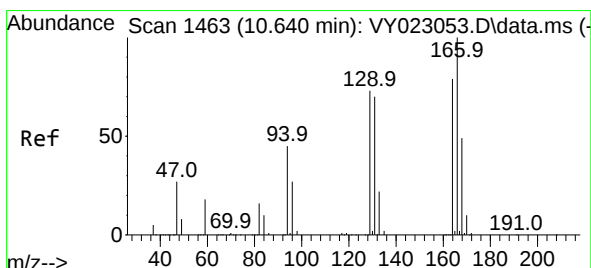
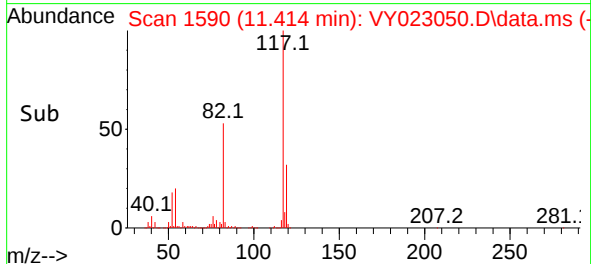
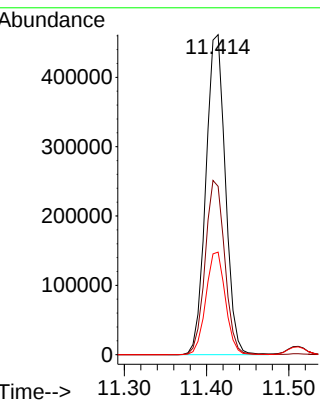
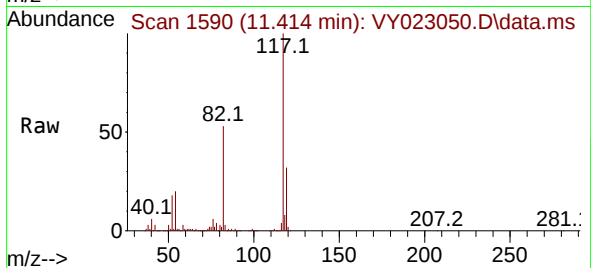
Tgt Ion:117 Resp: 759914

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 32.1 25.6 38.4



#64

Tetrachloroethene

Concen: 5.336 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:164 Resp: 36210

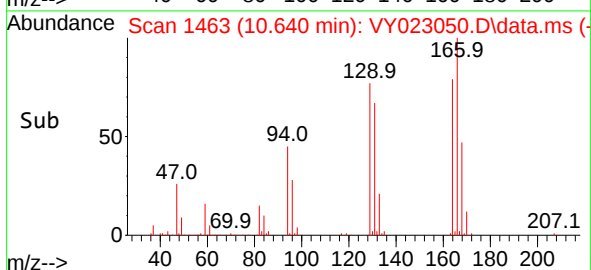
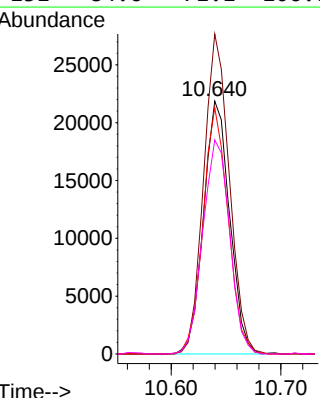
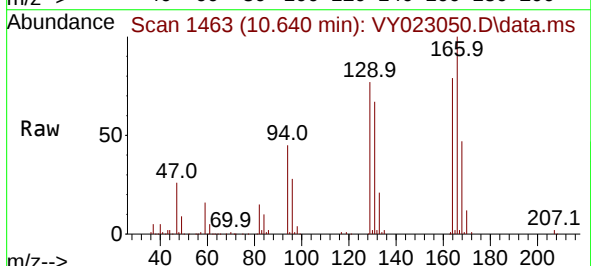
Ion Ratio Lower Upper

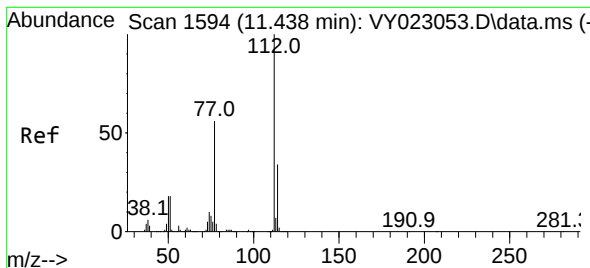
164 100

166 126.6 101.1 151.7

129 97.4 74.0 111.0

131 84.6 71.1 106.7





#65

Chlorobenzene

Concen: 4.922 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

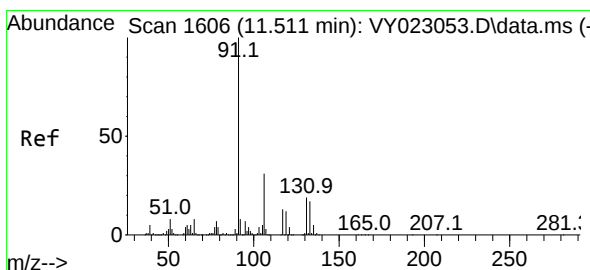
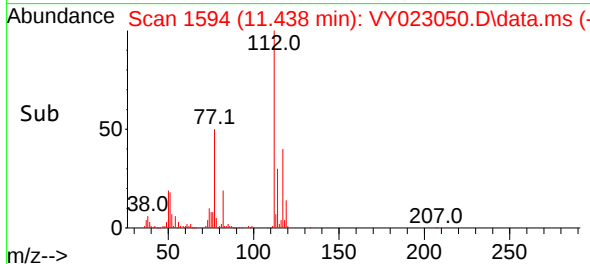
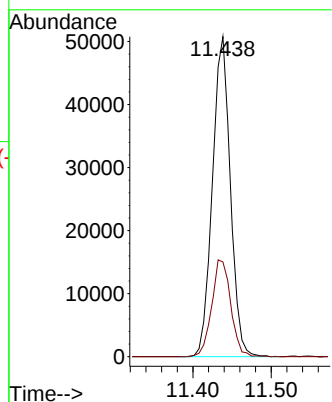
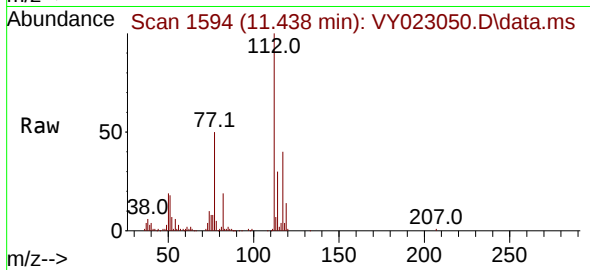
ClientSampleId :

Tgt Ion:112 Resp: 80684

Ion Ratio Lower Upper

112 100

114 29.6 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 4.745 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

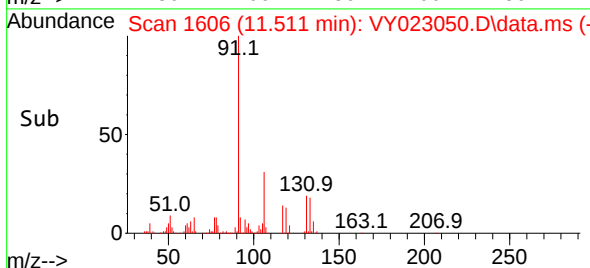
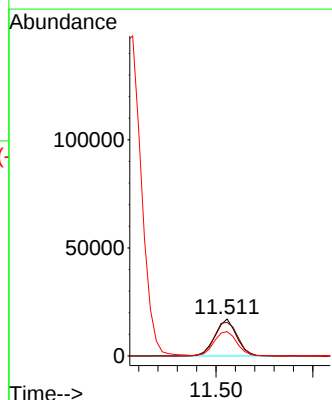
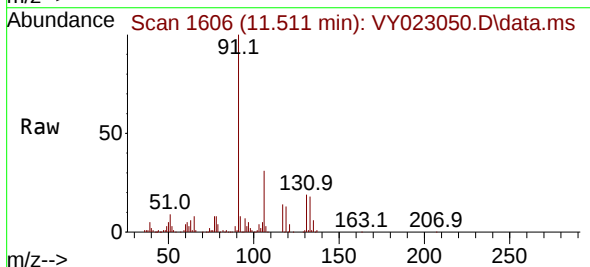
Tgt Ion:131 Resp: 26397

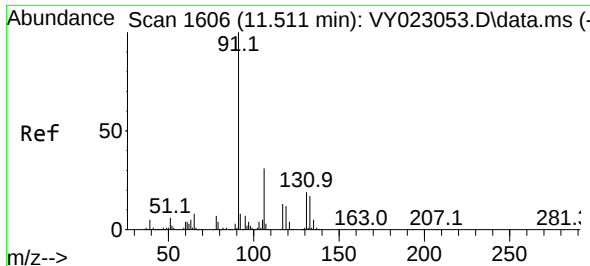
Ion Ratio Lower Upper

131 100

133 100.6 46.9 140.6

119 70.6 33.2 99.6





#67

Ethyl Benzene

Concen: 4.781 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

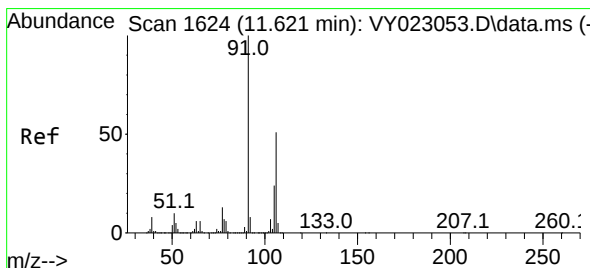
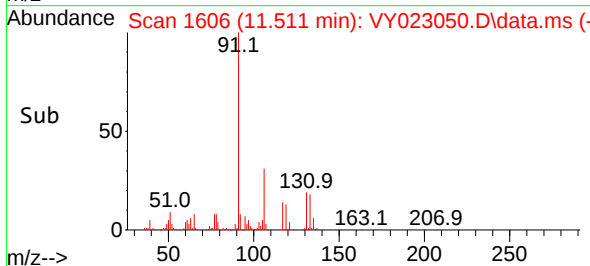
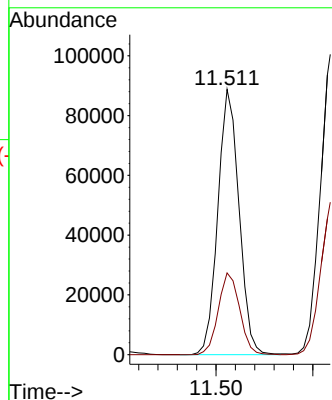
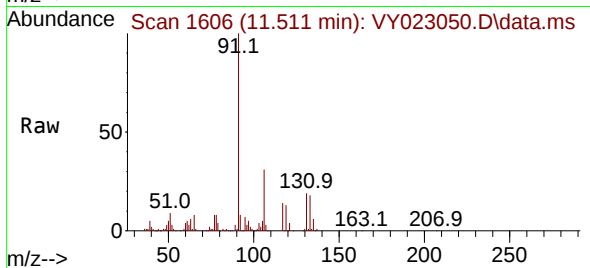
ClientSampleId :

Tgt Ion: 91 Resp: 134854

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.4



#68

m/p-Xylenes

Concen: 9.329 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023050.D

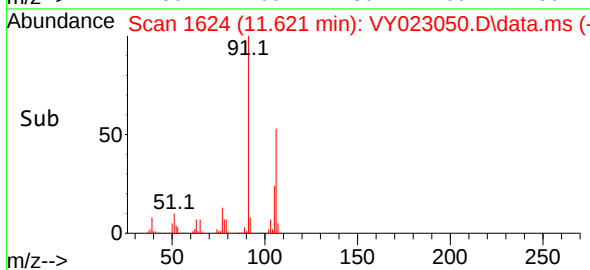
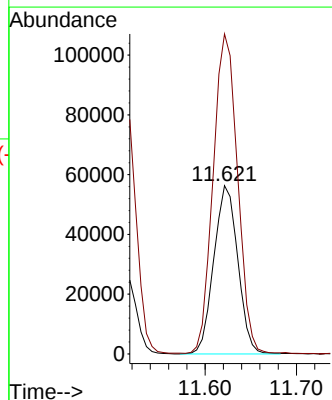
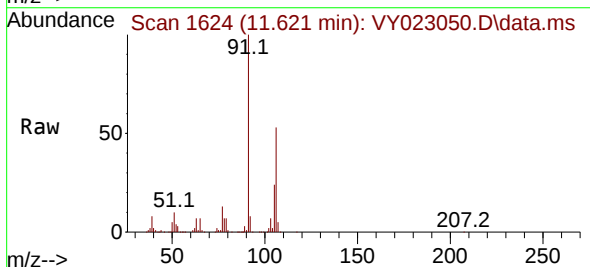
Acq: 12 Aug 2025 14:54

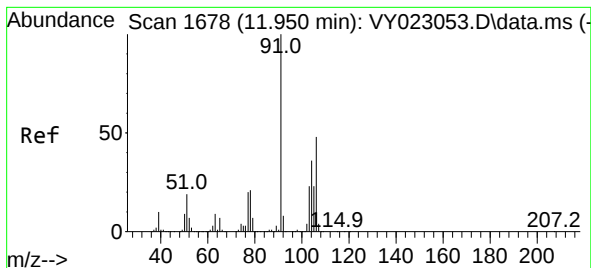
Tgt Ion:106 Resp: 102783

Ion Ratio Lower Upper

106 100

91 194.0 158.6 238.0





#69

o-Xylene

Concen: 4.453 ug/l

RT: 11.950 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

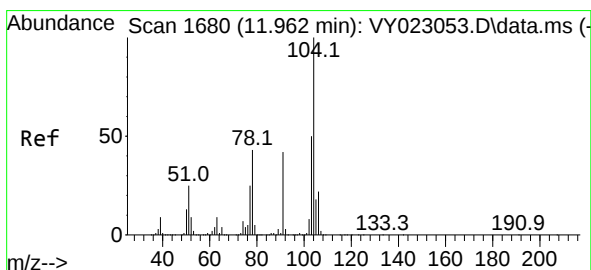
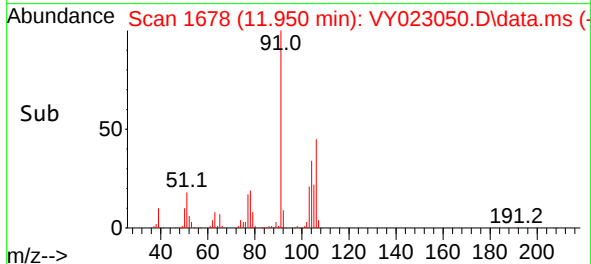
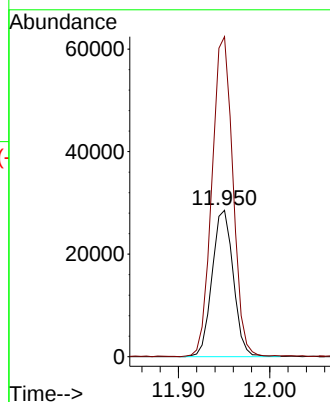
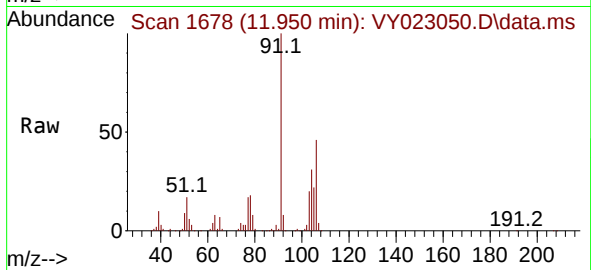
ClientSampleId :

Tgt Ion:106 Resp: 45944

Ion Ratio Lower Upper

106 100

91 216.3 103.2 309.4



#70

Styrene

Concen: 4.255 ug/l

RT: 11.963 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

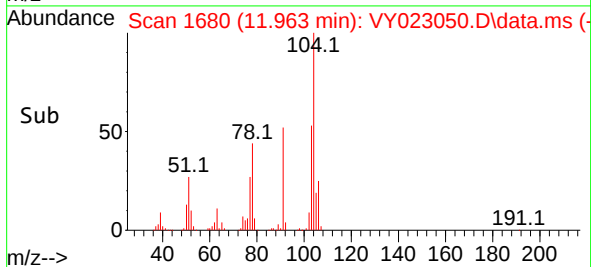
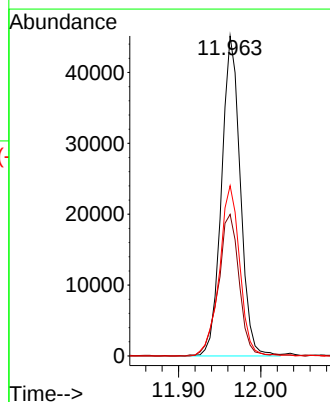
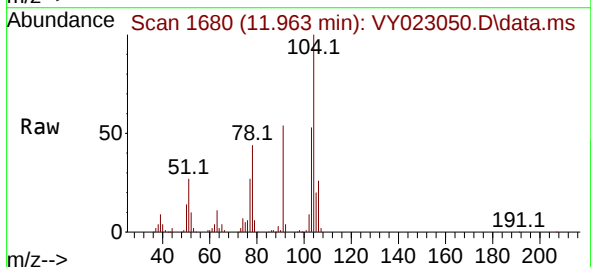
Tgt Ion:104 Resp: 71801

Ion Ratio Lower Upper

104 100

78 48.8 38.5 57.7

103 57.6 43.7 65.5





#71

Bromoform

Concen: 4.599 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023050.D

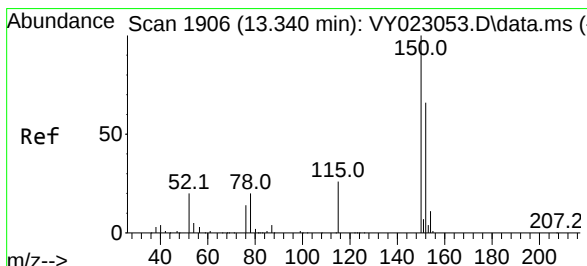
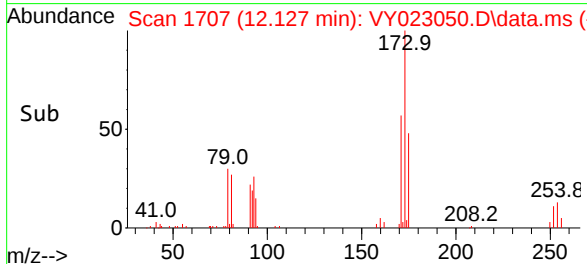
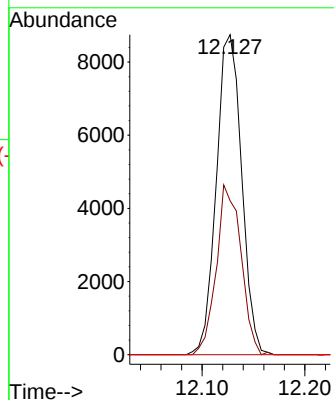
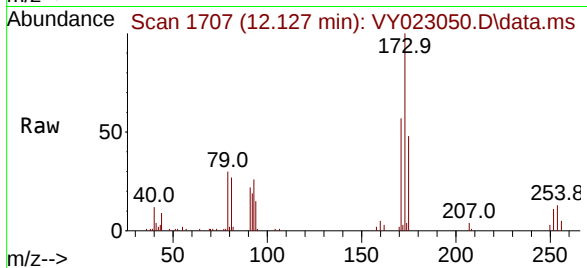
Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	173	Resp:	14954
Ion Ratio	Lower	Upper	
173	100		
175	51.7	23.9	71.7
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

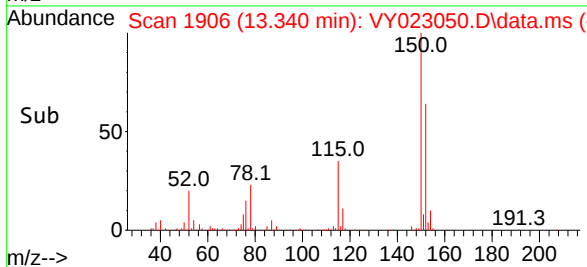
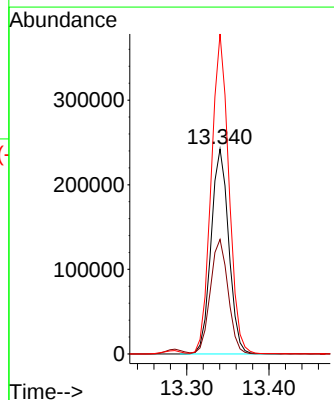
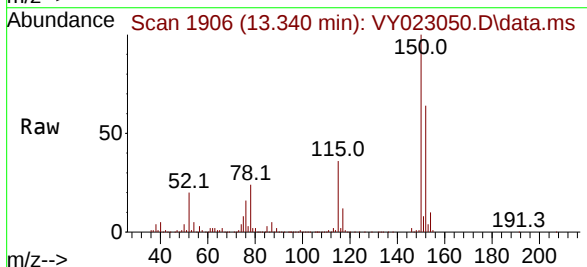
RT: 13.340 min Scan# 1906

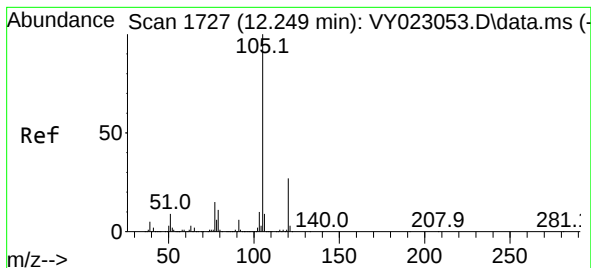
Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:	152	Resp:	360397
Ion Ratio	Lower	Upper	
152	100		
115	56.4	28.2	84.6
150	155.7	0.0	348.0





#73

Isopropylbenzene

Concen: 4.845 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

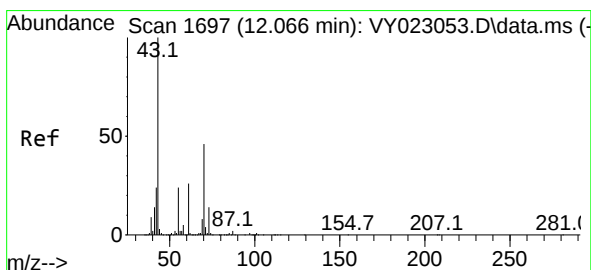
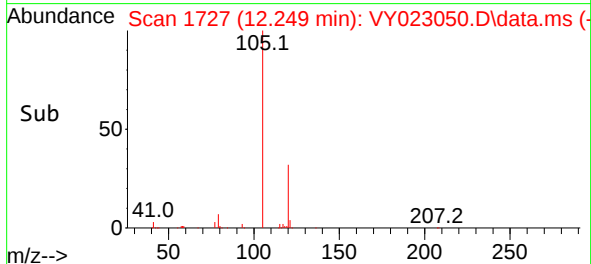
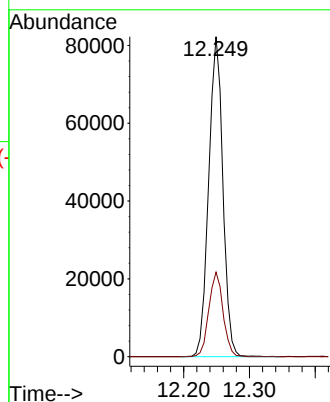
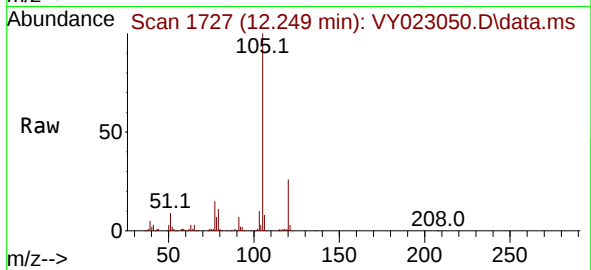
ClientSampleId :

Tgt Ion:105 Resp: 123246

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2



#74

N-ethyl acetate

Concen: 4.232 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion: 43 Resp: 22829

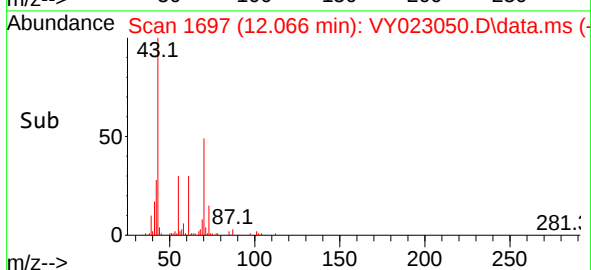
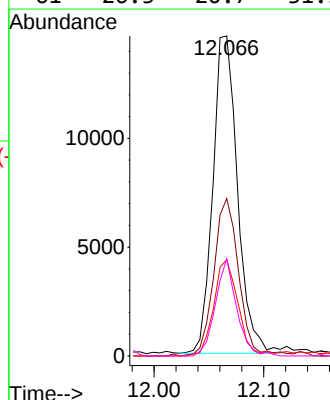
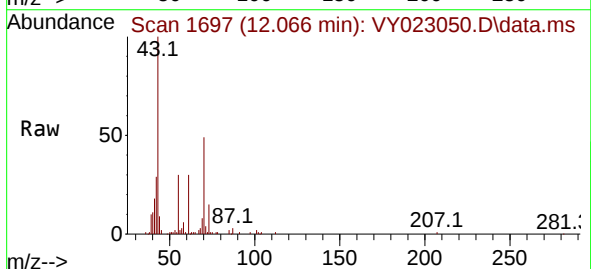
Ion Ratio Lower Upper

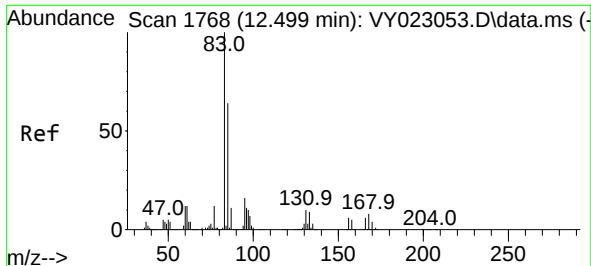
43 100

70 50.0 37.5 56.3

55 29.9 20.7 31.1

61 26.3 20.7 31.1

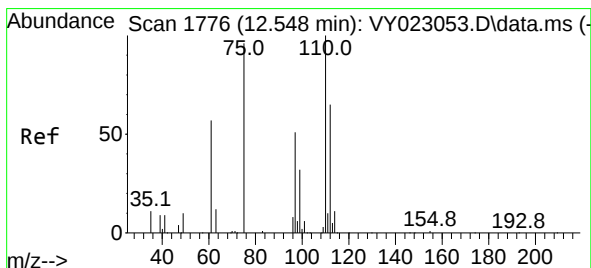
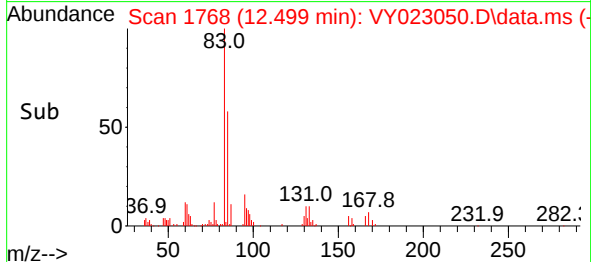
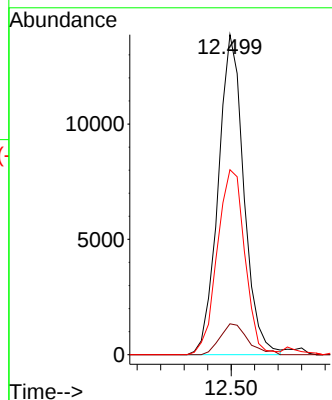
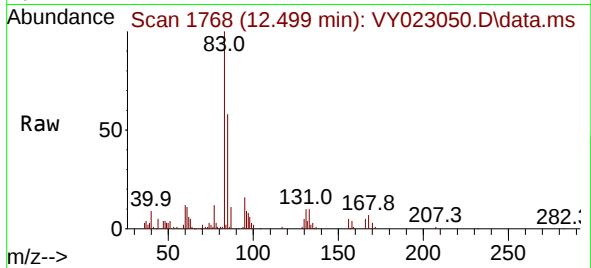




#75
1,1,2,2-Tetrachloroethane
Concen: 4.848 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

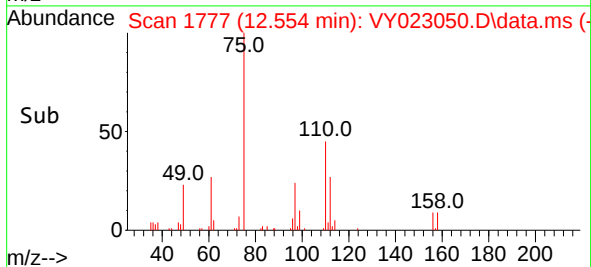
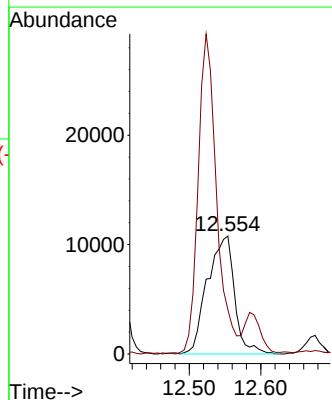
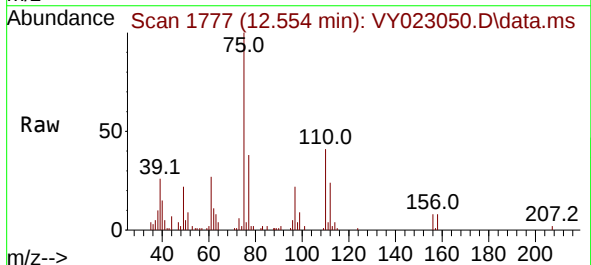
Instrument :
MSVOA_Y
ClientSampleId :

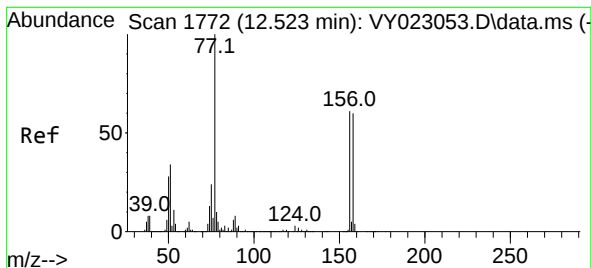
Tgt Ion: 83 Resp: 21057
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 62.2 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 8.152 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 75 Resp: 28374
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.891 ug/l

RT: 12.530 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

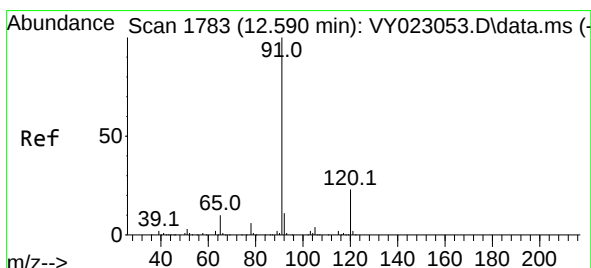
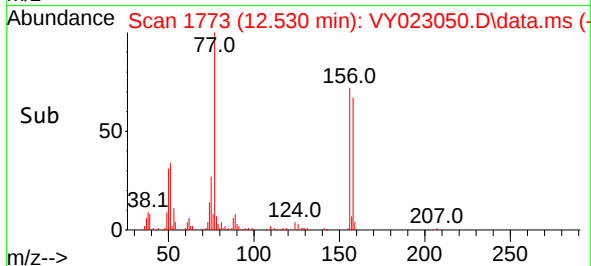
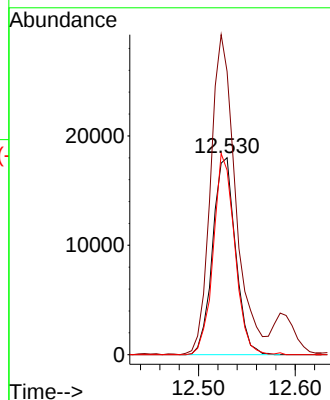
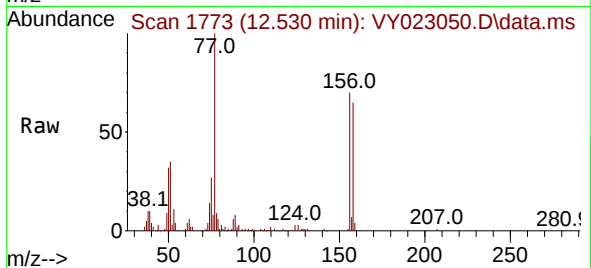
Tgt Ion:156 Resp: 29681

Ion Ratio Lower Upper

156 100

77 176.7 88.1 264.4

158 95.4 48.0 144.0



#78

n-propylbenzene

Concen: 4.822 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023050.D

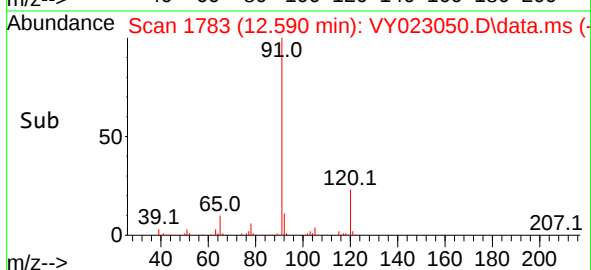
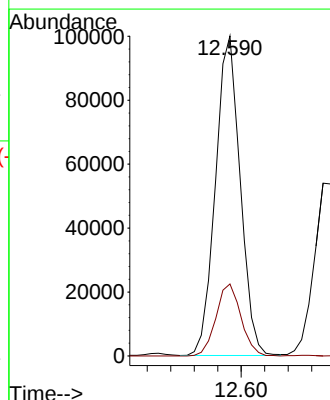
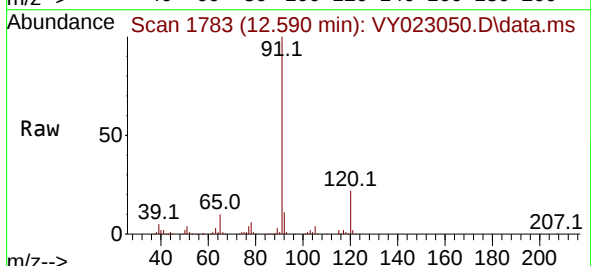
Acq: 12 Aug 2025 14:54

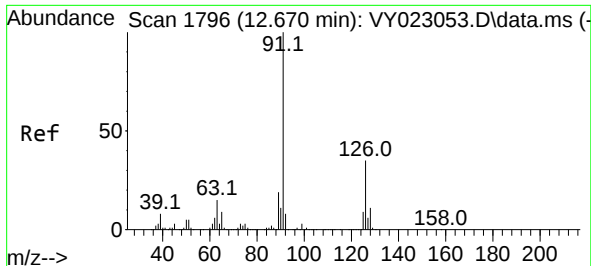
Tgt Ion: 91 Resp: 146043

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.5

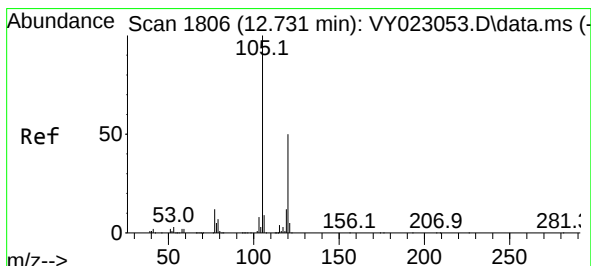
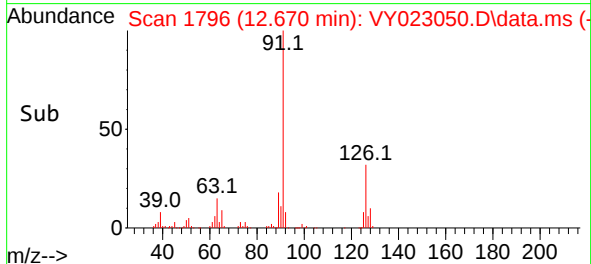
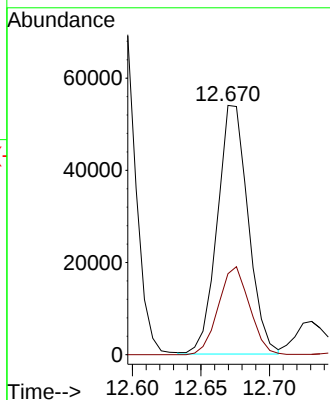
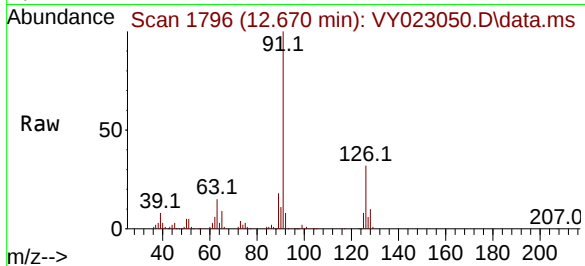




#79
2-Chlorotoluene
Concen: 4.880 ug/l
RT: 12.670 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

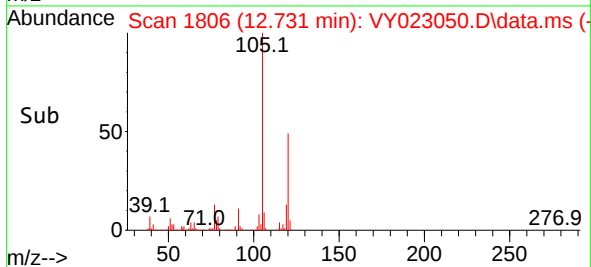
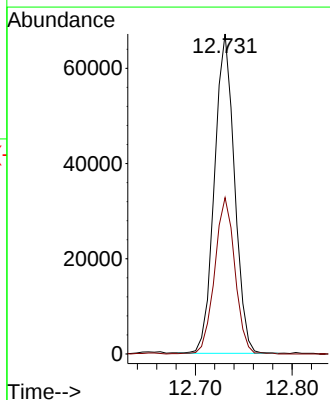
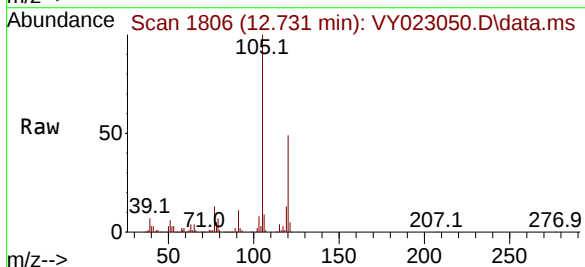
Instrument :
MSVOA_Y
ClientSampleId :

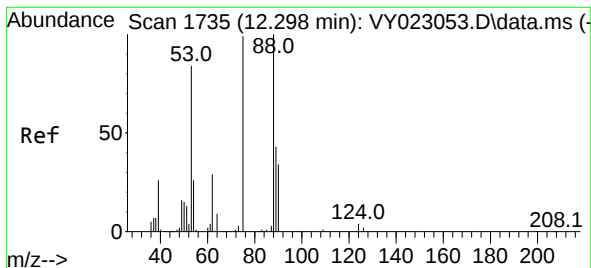
Tgt Ion: 91 Resp: 84671
Ion Ratio Lower Upper
91 100
126 35.5 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 4.685 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 105 Resp: 96308
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.4

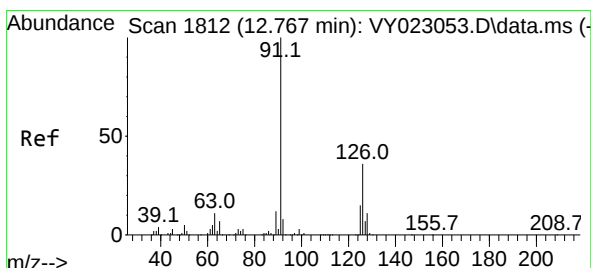
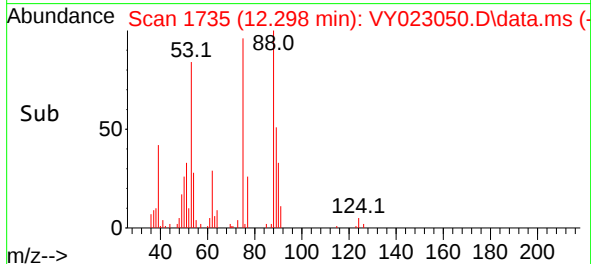
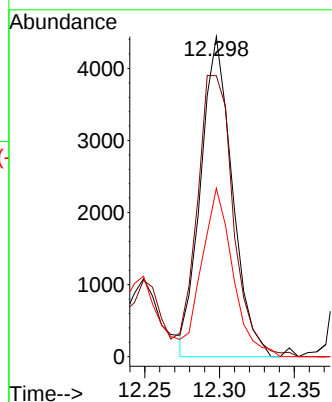
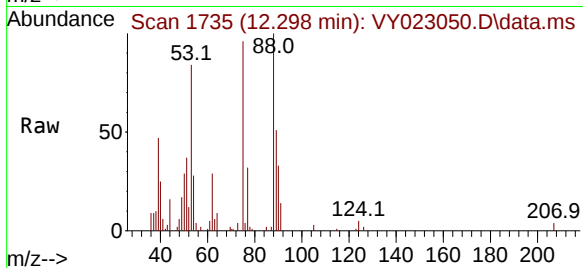




#81
trans-1,4-Dichloro-2-butene
Concen: 4.533 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

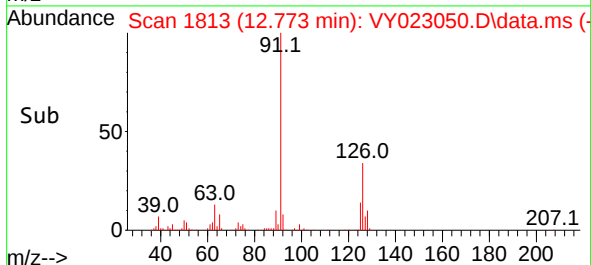
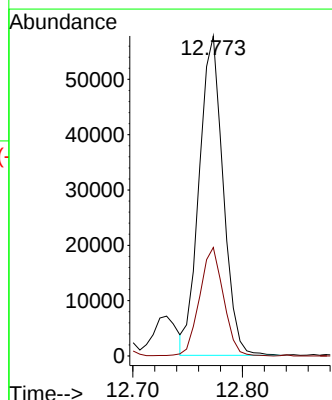
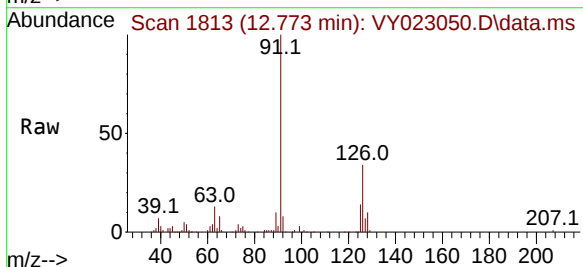
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 6514
Ion Ratio Lower Upper
75 100
53 101.3 70.8 106.2
89 51.7 38.1 57.1



#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Tgt Ion: 91 Resp: 87454
Ion Ratio Lower Upper
91 100
126 34.0 17.3 52.0

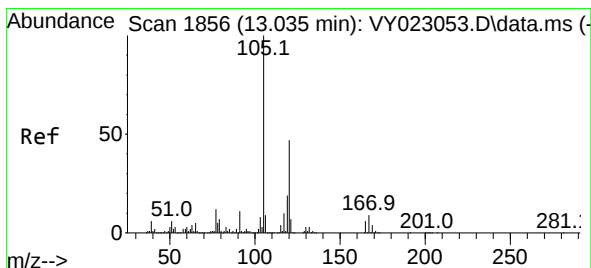
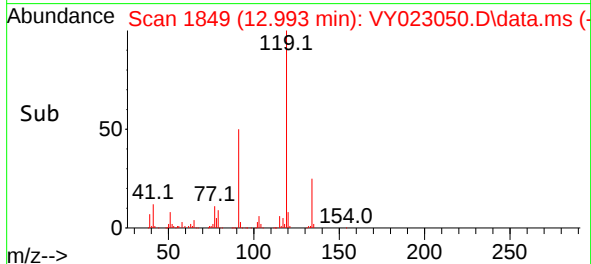
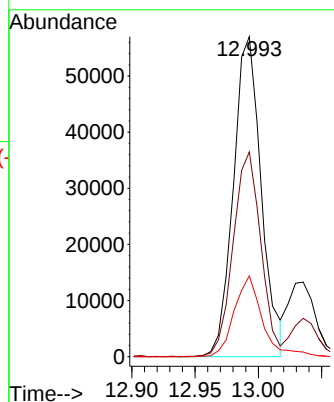
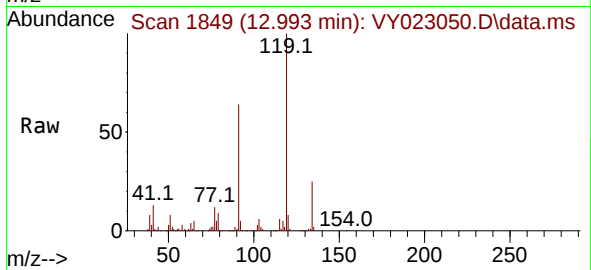




#83
 tert-Butylbenzene
 Concen: 4.712 ug/l
 RT: 12.993 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

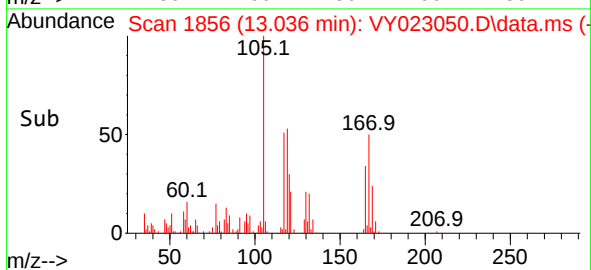
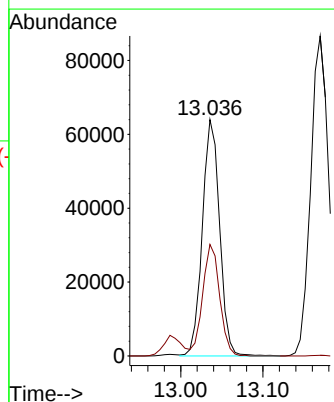
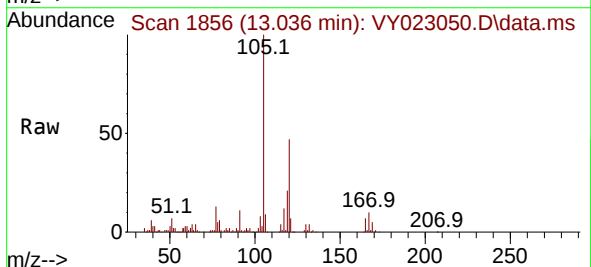
Instrument :
 MSVOA_Y
 ClientSampleId :

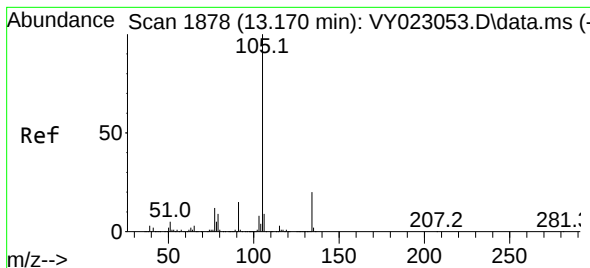
Tgt Ion:119 Resp: 87496
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.6 94.8
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 4.571 ug/l
 RT: 13.036 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

Tgt Ion:105 Resp: 93551
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 4.806 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

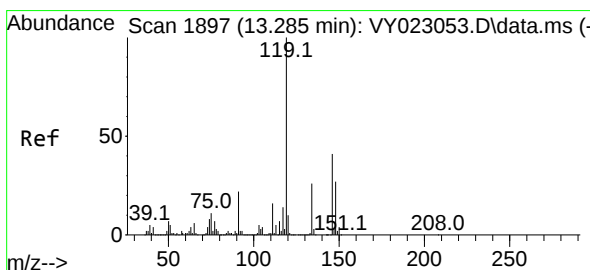
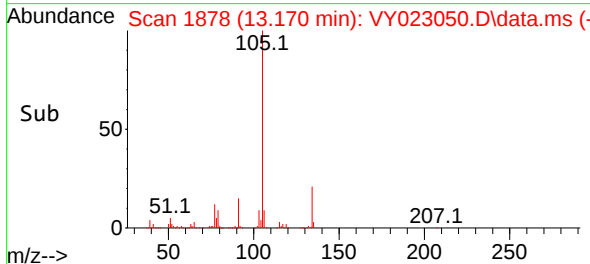
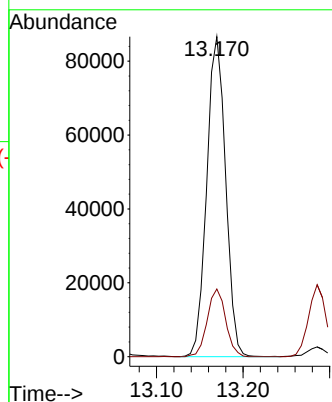
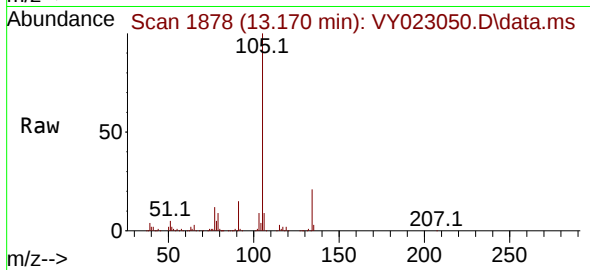
ClientSampleId :

Tgt Ion:105 Resp: 131079

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4



#86

p-Isopropyltoluene

Concen: 4.582 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

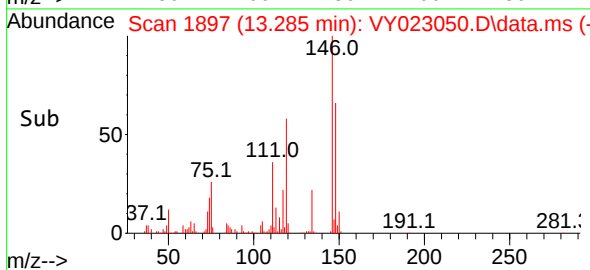
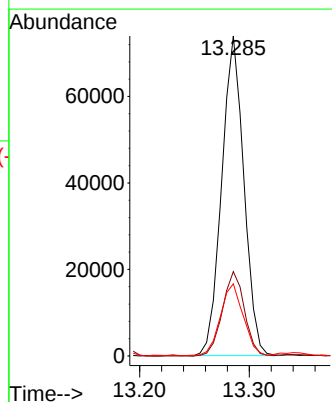
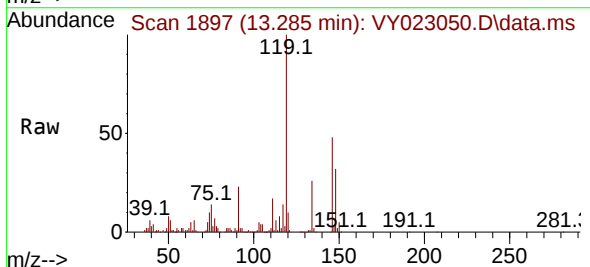
Tgt Ion:119 Resp: 103731

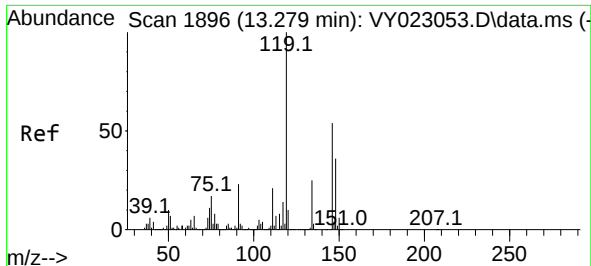
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 23.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 4.819 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

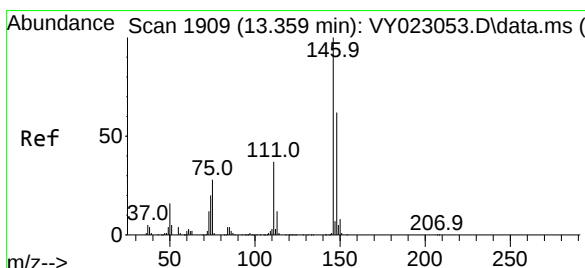
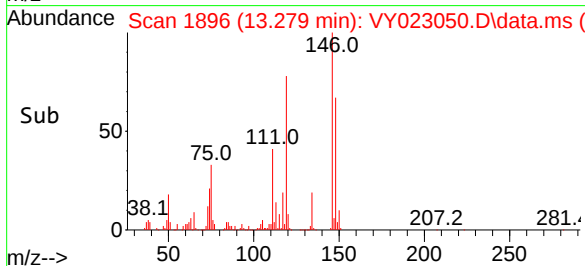
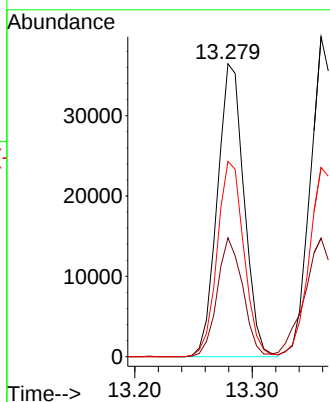
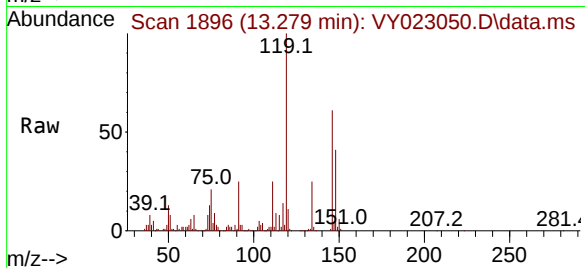
Tgt Ion:146 Resp: 57668

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

148 66.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 5.120 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

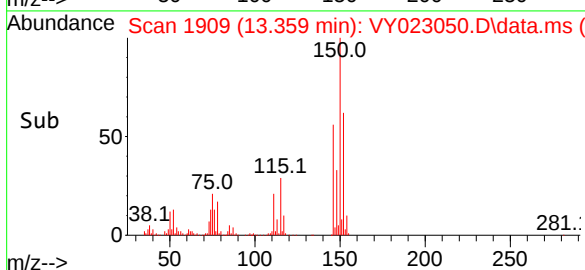
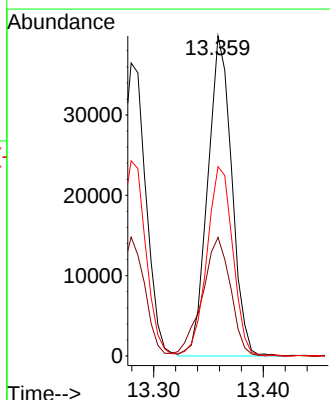
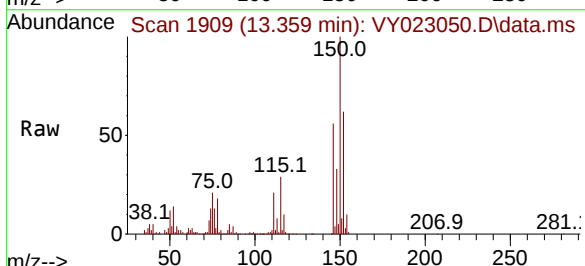
Tgt Ion:146 Resp: 60781

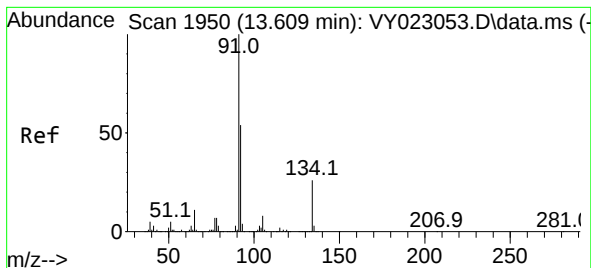
Ion Ratio Lower Upper

146 100

111 42.8 19.1 57.1

148 63.6 31.6 94.7

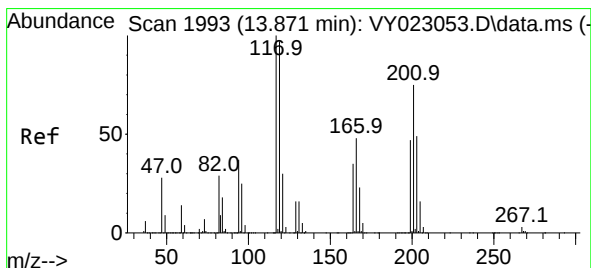
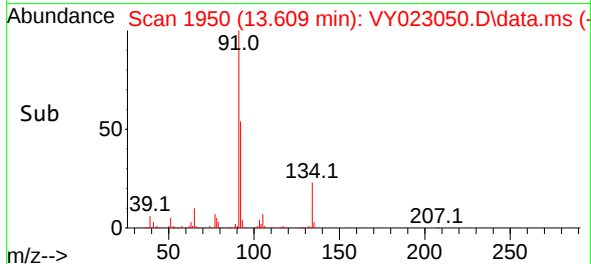
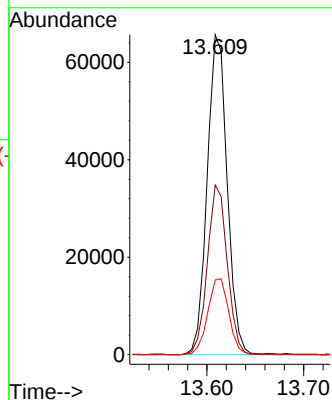
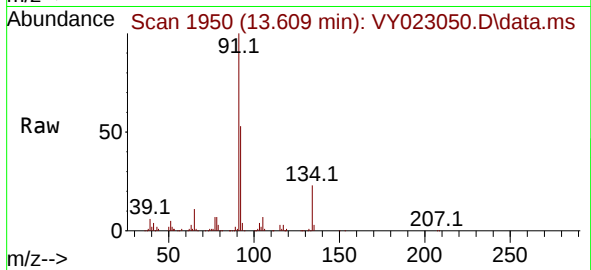




#89
n-Butylbenzene
Concen: 4.549 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

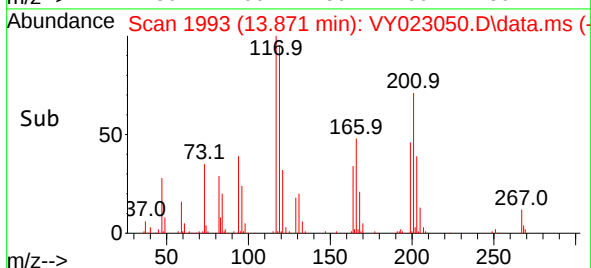
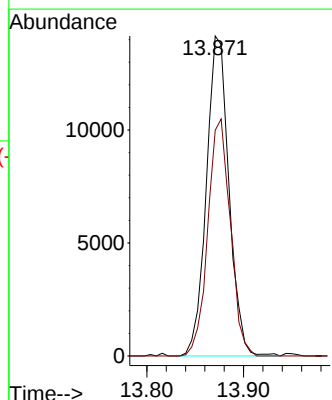
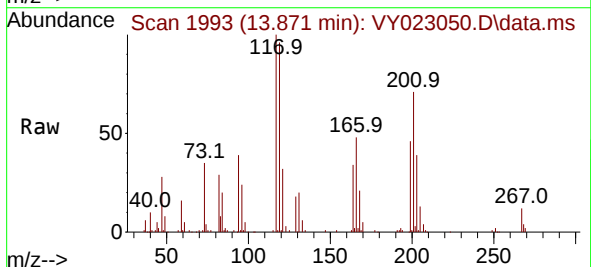
Instrument :
MSVOA_Y
ClientSampleId :

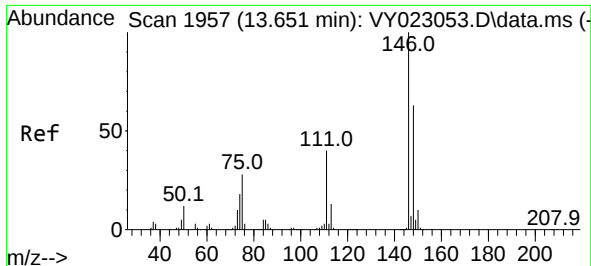
Tgt Ion: 91 Resp: 94594
Ion Ratio Lower Upper
91 100
92 52.6 26.9 80.7
134 25.1 13.2 39.5



#90
Hexachloroethane
Concen: 4.958 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

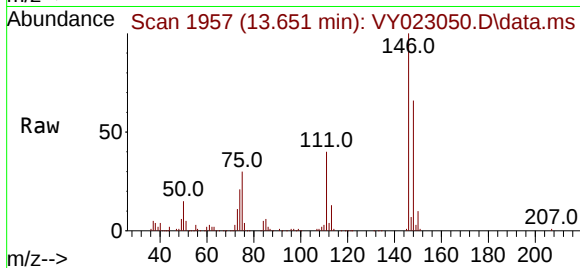
Tgt Ion: 117 Resp: 22980
Ion Ratio Lower Upper
117 100
201 74.0 38.4 115.1



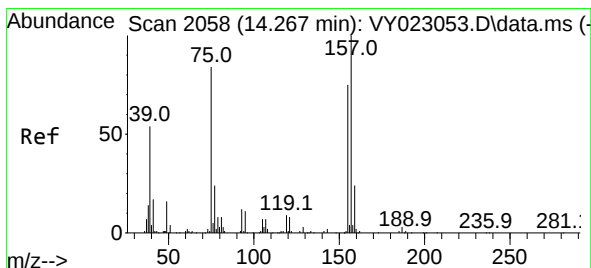
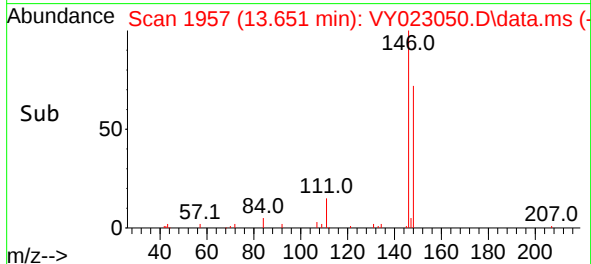
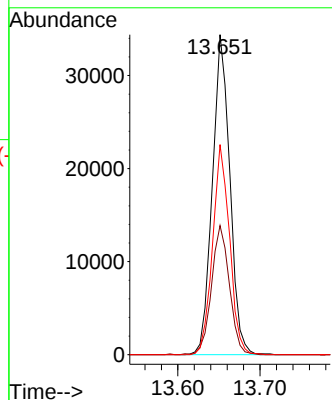


#91
1,2-Dichlorobenzene
Concen: 4.843 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :

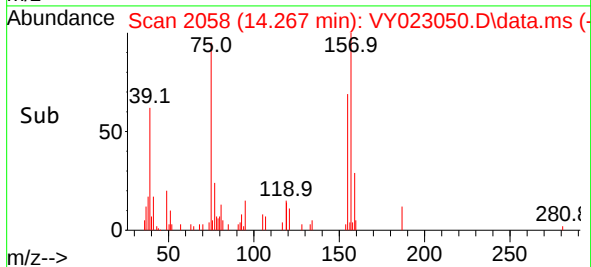
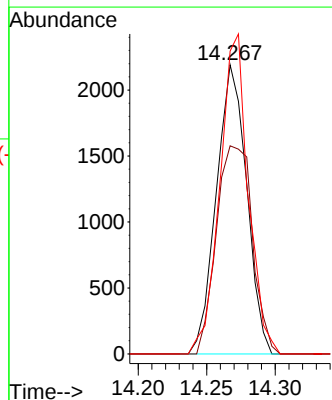
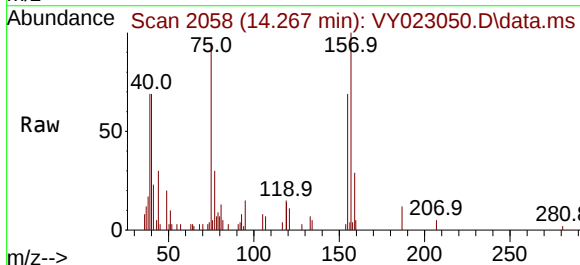


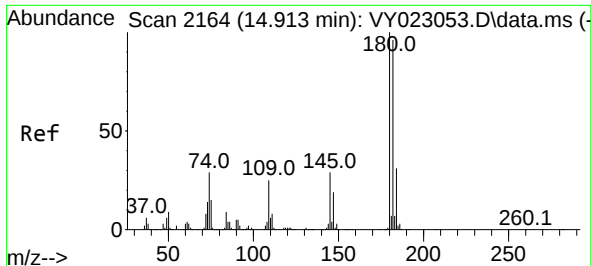
Tgt Ion:146 Resp: 50829
Ion Ratio Lower Upper
146 100
111 41.3 20.3 60.8
148 63.6 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.982 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023050.D
Acq: 12 Aug 2025 14:54

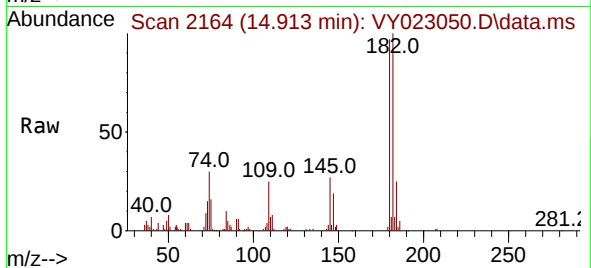
Tgt Ion: 75 Resp: 3369
Ion Ratio Lower Upper
75 100
155 85.3 43.9 131.6
157 103.8 57.2 171.6



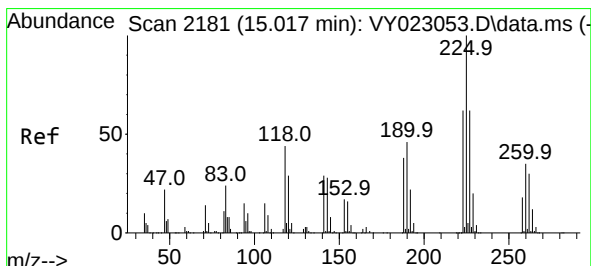
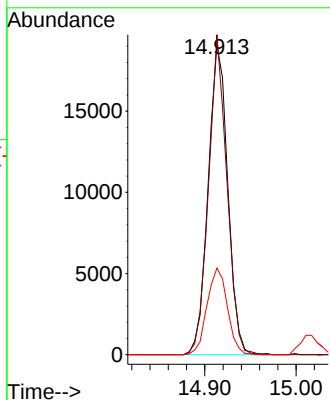
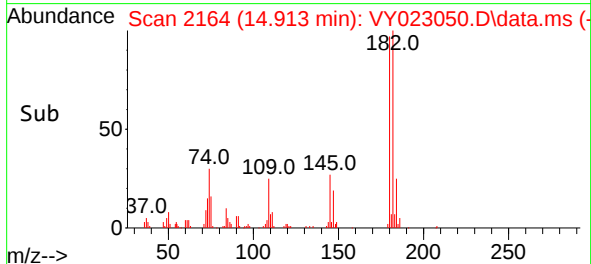


#93
 1,2,4-Trichlorobenzene
 Concen: 4.576 ug/l
 RT: 14.913 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54

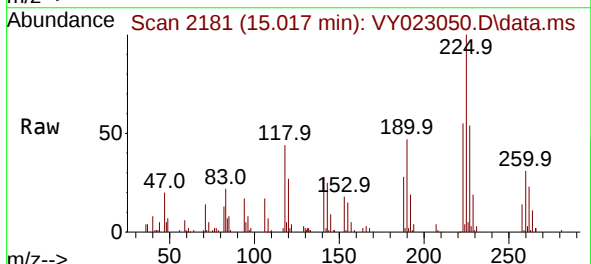
Instrument :
 MSVOA_Y
 ClientSampleId :



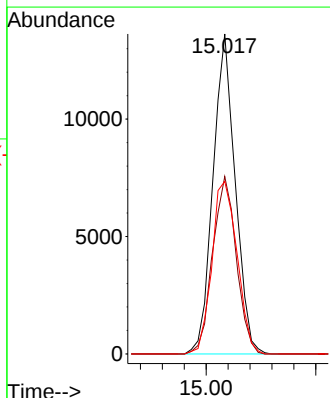
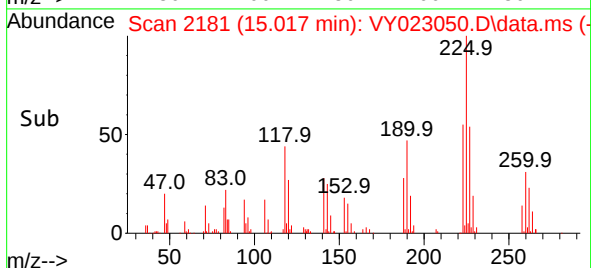
Tgt Ion:180 Resp: 28399
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.8 140.4
 145 28.9 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 5.263 ug/l
 RT: 15.017 min Scan# 2181
 Delta R.T. 0.000 min
 Lab File: VY023050.D
 Acq: 12 Aug 2025 14:54



Tgt Ion:225 Resp: 19196
 Ion Ratio Lower Upper
 225 100
 223 58.9 31.3 93.8
 227 61.0 31.5 94.5





#95

Naphthalene

Concen: 4.100 ug/l

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

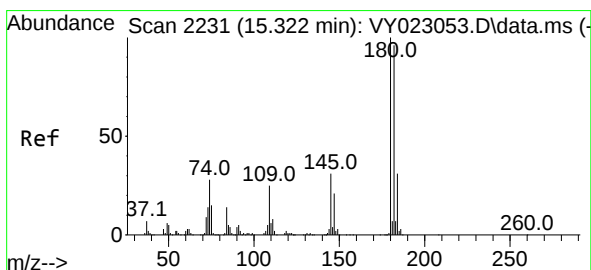
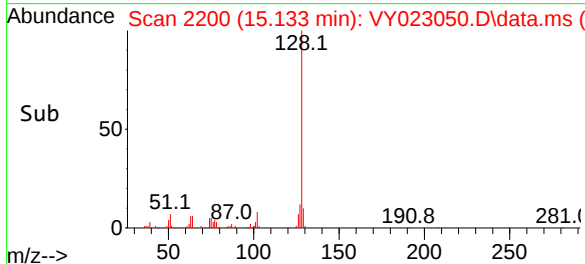
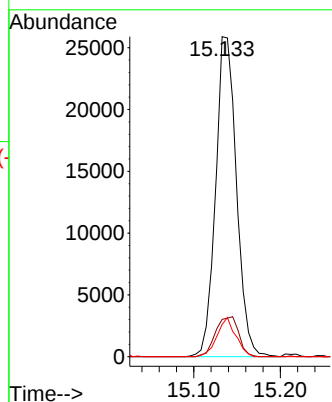
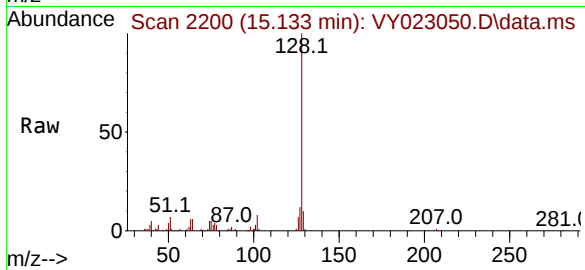
Tgt Ion:128 Resp: 43395

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 10.9 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 4.619 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023050.D

Acq: 12 Aug 2025 14:54

Tgt Ion:180 Resp: 24703

Ion Ratio Lower Upper

180 100

182 98.4 47.9 143.7

145 31.9 15.9 47.7

