

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023061.D
 Acq On : 13 Aug 2025 11:09
 Operator : SY/MD
 Sample : VY0813SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Quant Time: Aug 14 01:20:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	478194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	775826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	675926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	325106	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	229361	50.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.660%	
35) Dibromofluoromethane	7.628	113	229320	49.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.800%	
50) Toluene-d8	10.103	98	906626	49.992	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	12.401	95	279619	47.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.880%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	86360	22.125	ug/l	98
3) Chloromethane	2.068	50	149822	23.698	ug/l	99
4) Vinyl Chloride	2.202	62	184278	23.580	ug/l	99
5) Bromomethane	2.586	94	139698	23.936	ug/l	95
6) Chloroethane	2.726	64	120677	23.227	ug/l	100
7) Trichlorofluoromethane	3.049	101	213662	22.485	ug/l	98
8) Diethyl Ether	3.452	74	51671	20.553	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	101004	21.545	ug/l	100
10) Methyl Iodide	4.001	142	97379	19.249	ug/l	99
11) Tert butyl alcohol	4.854	59	27933	89.450	ug/l	99
12) 1,1-Dichloroethene	3.781	96	98921	21.467	ug/l	97
13) Acrolein	3.647	56	42693	93.352	ug/l	95
14) Allyl chloride	4.372	41	143464	21.158	ug/l	99
15) Acrylonitrile	5.049	53	100833	98.653	ug/l	98
16) Acetone	3.866	43	99920	101.199	ug/l	96
17) Carbon Disulfide	4.098	76	326606	21.737	ug/l	98
18) Methyl Acetate	4.379	43	55687	18.953	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	237530	19.892	ug/l	100
20) Methylene Chloride	4.610	84	118853	21.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	109941	21.230	ug/l	95
22) Diisopropyl ether	6.012	45	313978	21.310	ug/l	96
23) Vinyl Acetate	5.951	43	814993	100.034	ug/l	98
24) 1,1-Dichloroethane	5.909	63	192114	21.326	ug/l	99
25) 2-Butanone	6.890	43	130779	97.389	ug/l	96
26) 2,2-Dichloropropane	6.878	77	169264	21.776	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	126291	21.095	ug/l	99
28) Bromochloromethane	7.238	49	74346	20.802	ug/l	99
29) Tetrahydrofuran	7.262	42	79003	94.913	ug/l	97
30) Chloroform	7.415	83	200297	21.559	ug/l	95
31) Cyclohexane	7.695	56	173959	20.493	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	176542	21.416	ug/l	98
36) 1,1-Dichloropropene	7.829	75	142922	20.716	ug/l	98
37) Ethyl Acetate	6.982	43	55643	19.200	ug/l	99
38) Carbon Tetrachloride	7.811	117	154916	20.674	ug/l	100
39) Methylcyclohexane	9.103	83	184052	20.258	ug/l	99
40) Benzene	8.073	78	446973	21.020	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	27413	16.390	ug/l #	88
42) 1,2-Dichloroethane	8.152	62	114299	20.668	ug/l	98
43) Isopropyl Acetate	8.195	43	108405	18.507	ug/l	98
44) Trichloroethene	8.859	130	113487	20.652	ug/l	94
45) 1,2-Dichloropropane	9.134	63	103105	21.073	ug/l	97
46) Dibromomethane	9.225	93	57310	20.408	ug/l	98
47) Bromodichloromethane	9.420	83	151024	20.900	ug/l	100
48) Methyl methacrylate	9.219	41	51033	18.207	ug/l	95
49) 1,4-Dioxane	9.225	88	13354	405.561	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	281551	93.183	ug/l	99
52) Toluene	10.164	92	280495	20.769	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	128144	19.584	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	157108	20.305	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	73477	19.554	ug/l	97
56) Ethyl methacrylate	10.438	69	88174	18.338	ug/l	97
57) 1,3-Dichloropropane	10.713	76	129029	20.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	214069	94.383	ug/l	100
59) 2-Hexanone	10.755	43	191315	92.987	ug/l	97
60) Dibromochloromethane	10.908	129	97950	19.755	ug/l	99
61) 1,2-Dibromoethane	11.011	107	69337	19.632	ug/l	99
64) Tetrachloroethene	10.640	164	134131	22.223	ug/l	98
65) Chlorobenzene	11.438	112	297874	20.431	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	101895	20.592	ug/l	99
67) Ethyl Benzene	11.511	91	512586	20.430	ug/l	99
68) m/p-Xylenes	11.627	106	399348	40.752	ug/l	98
69) o-Xylene	11.950	106	184155	20.065	ug/l	98
70) Styrene	11.963	104	302870	20.179	ug/l	99
71) Bromoform	12.127	173	55061	19.039	ug/l #	98
73) Isopropylbenzene	12.249	105	481276	20.975	ug/l	100
74) N-amyl acetate	12.066	43	94137	19.346	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	71870	18.344	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	103385	32.950	ug/l #	100
77) Bromobenzene	12.529	156	111502	20.369	ug/l	98
78) n-propylbenzene	12.590	91	581635	21.291	ug/l	100
79) 2-Chlorotoluene	12.676	91	332511	21.244	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	390462	21.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	25293	19.514	ug/l	98
82) 4-Chlorotoluene	12.773	91	343845	21.176	ug/l	100
83) tert-Butylbenzene	12.993	119	344106	20.545	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	390034	21.128	ug/l	99
85) sec-Butylbenzene	13.170	105	515732	20.962	ug/l	100
86) p-Isopropyltoluene	13.285	119	426905	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	220435	20.420	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	219736	20.520	ug/l	99
89) n-Butylbenzene	13.615	91	390572	20.823	ug/l	98
90) Hexachloroethane	13.877	117	89456	21.398	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	191827	20.262	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11881	19.477	ug/l	93
93) 1,2,4-Trichlorobenzene	14.913	180	105900	18.915	ug/l	98
94) Hexachlorobutadiene	15.017	225	66091	20.089	ug/l	98
95) Naphthalene	15.139	128	162104	16.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	89070	18.463	ug/l	98

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Response via : Initial Calibration

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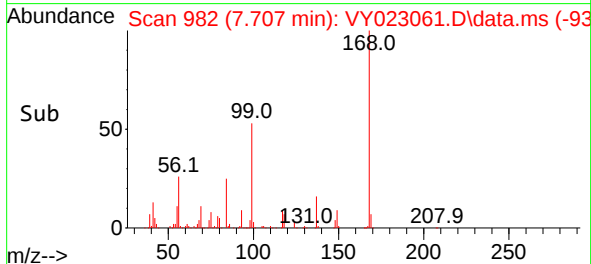
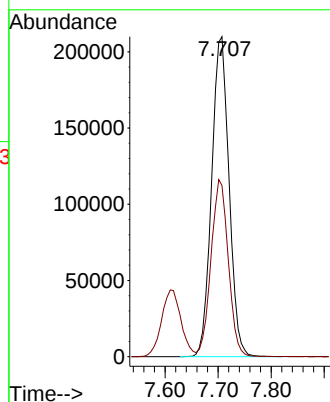
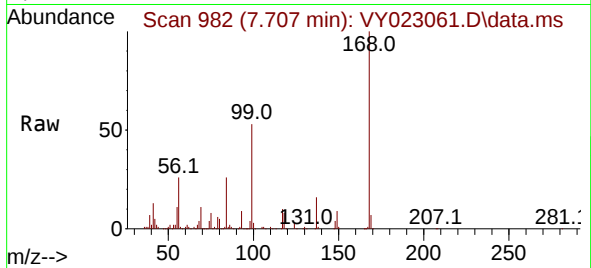
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023061.D
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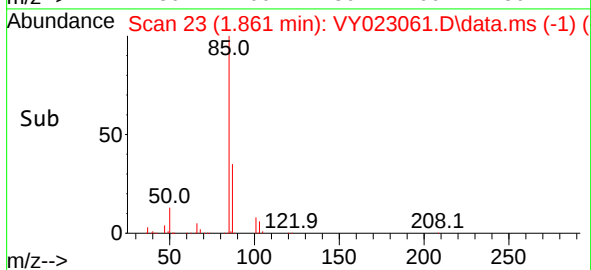
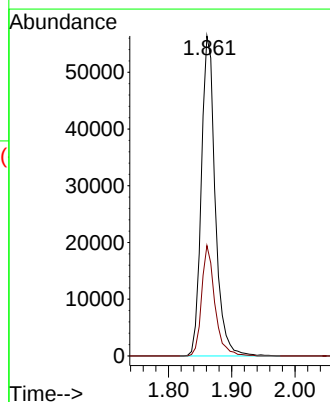
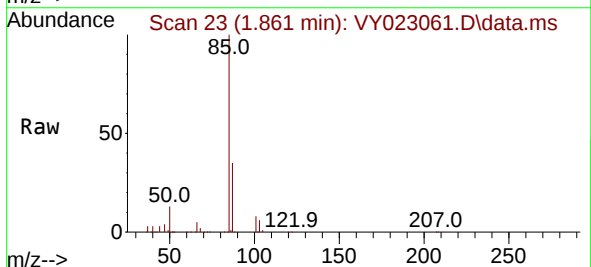
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ClientSampleId :
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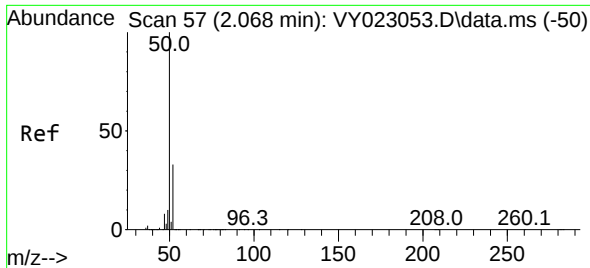
Tgt Ion:168 Resp: 478194
Ion Ratio Lower Upper
168 100
99 53.4 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 22.125 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 85 Resp: 86360
Ion Ratio Lower Upper
85 100
87 34.5 16.6 49.8

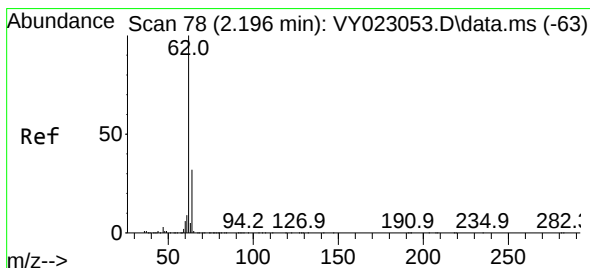
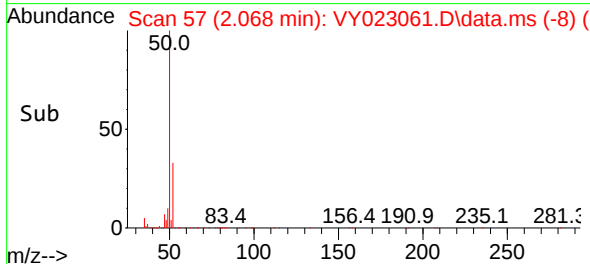
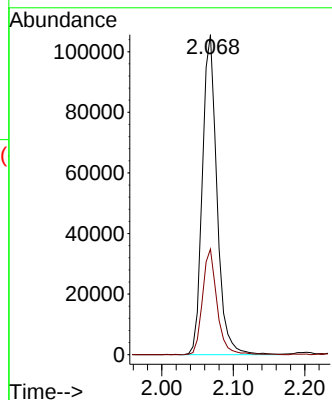
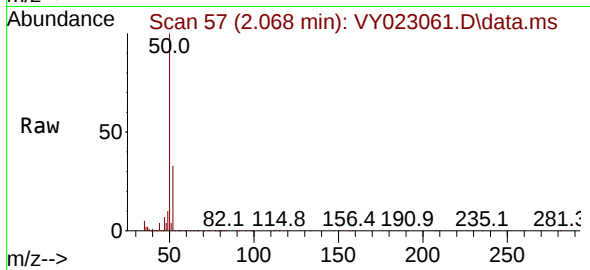




#3
Chloromethane
Concen: 23.698 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

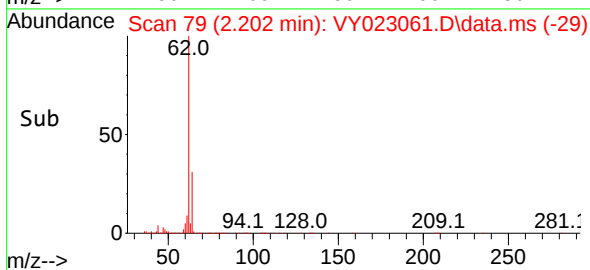
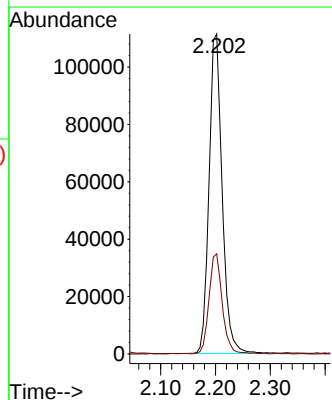
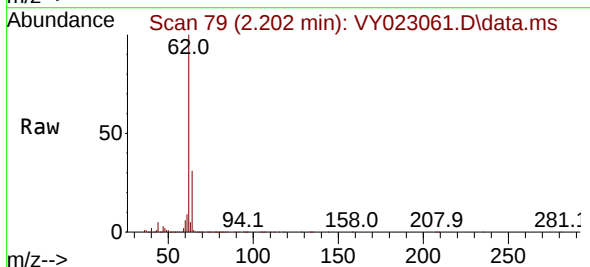
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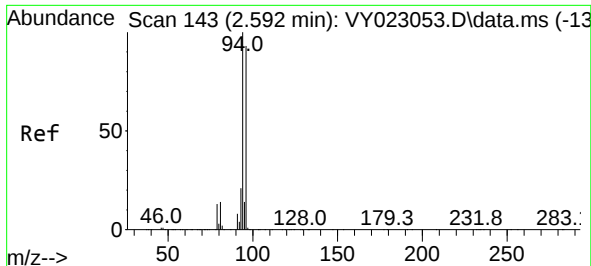
Tgt Ion: 50 Resp: 149822
Ion Ratio Lower Upper
50 100
52 33.0 26.7 40.1



#4
Vinyl Chloride
Concen: 23.580 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 62 Resp: 184278
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.0

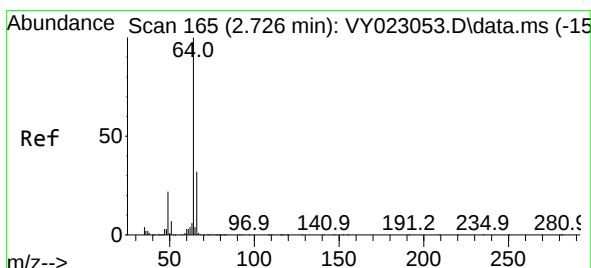
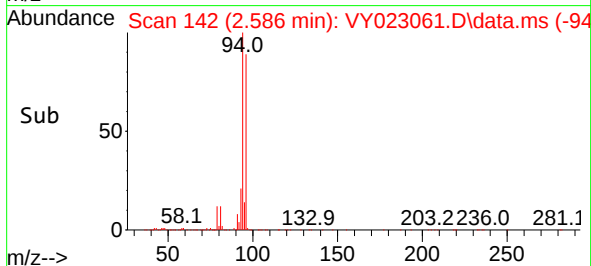
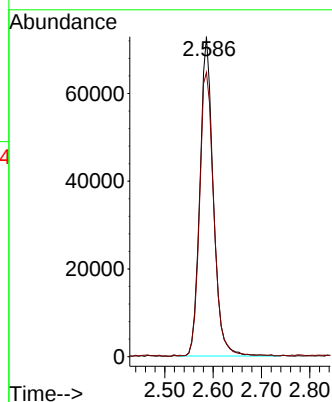
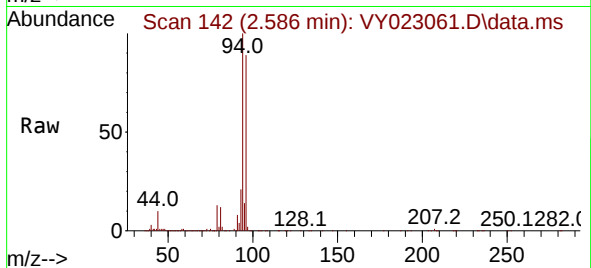




#5
Bromomethane
Concen: 23.936 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

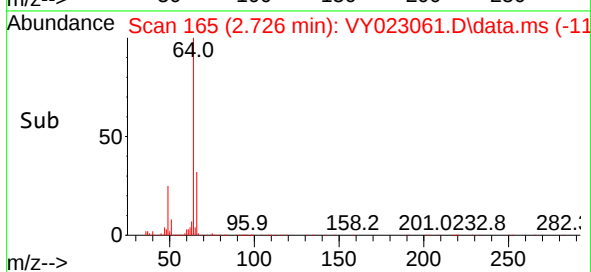
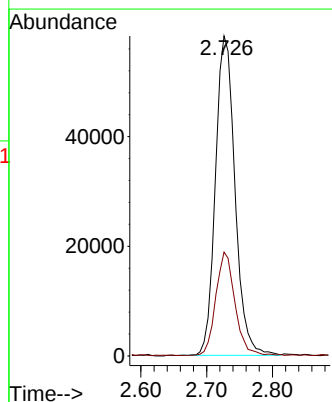
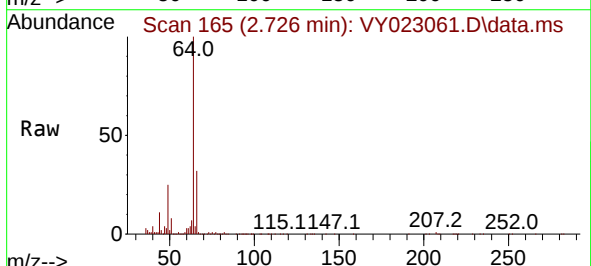
Instrument :
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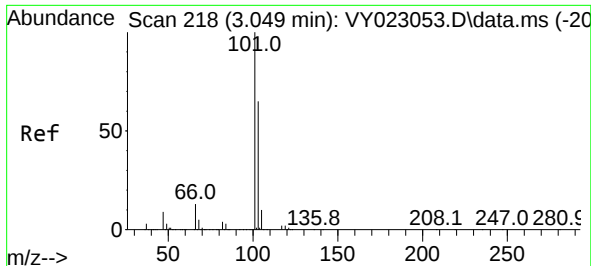
Tgt Ion: 94 Resp: 139698
Ion Ratio Lower Upper
94 100
96 88.8 74.6 112.0



#6
Chloroethane
Concen: 23.227 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 64 Resp: 120677
Ion Ratio Lower Upper
64 100
66 32.4 25.8 38.6

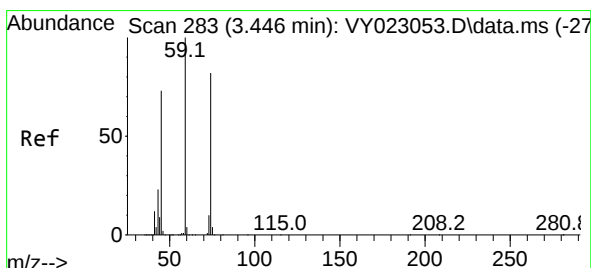
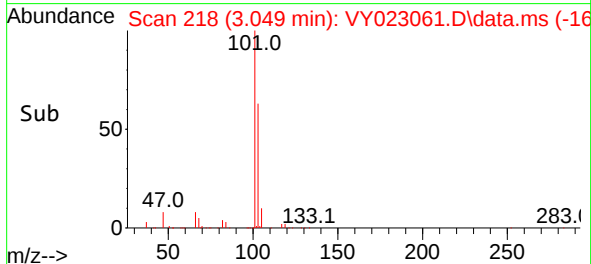
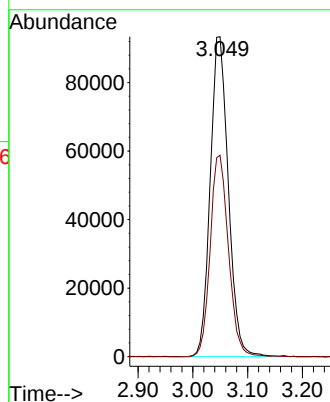
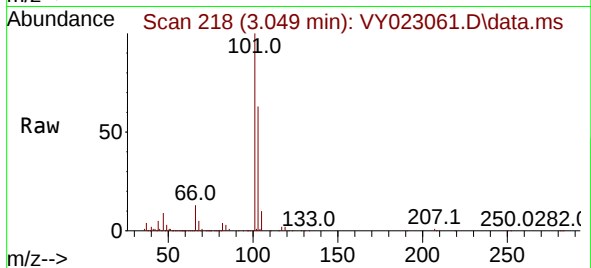




#7
 Trichlorofluoromethane
 Concen: 22.485 ug/l
 RT: 3.049 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

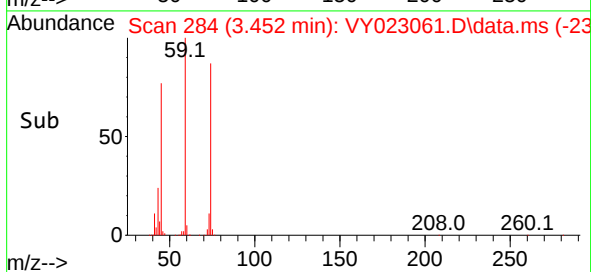
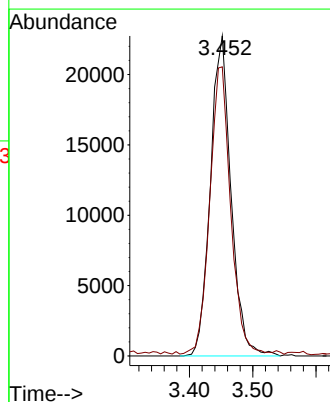
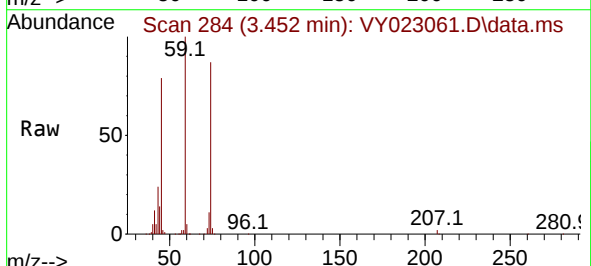
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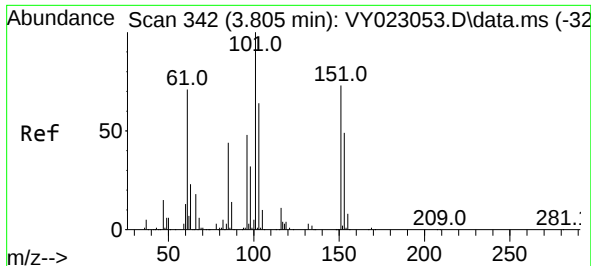
Tgt Ion:101 Resp: 213662
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.9 77.9



#8
 Diethyl Ether
 Concen: 20.553 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

Tgt Ion: 74 Resp: 51671
 Ion Ratio Lower Upper
 74 100
 45 90.4 44.4 133.2

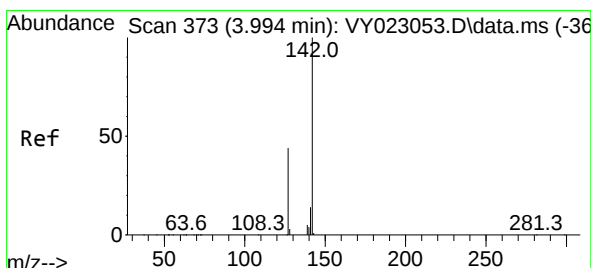
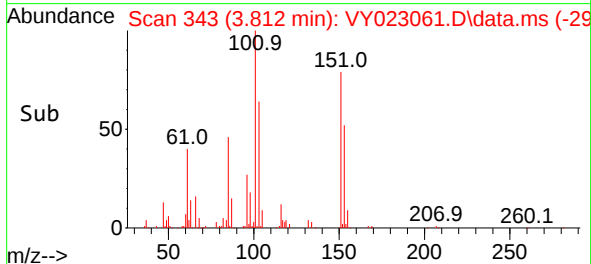
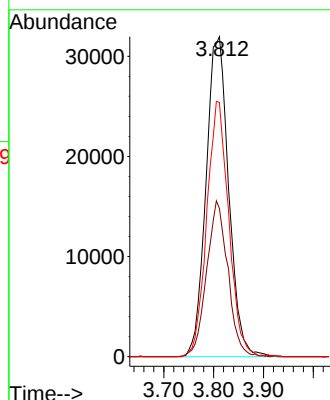
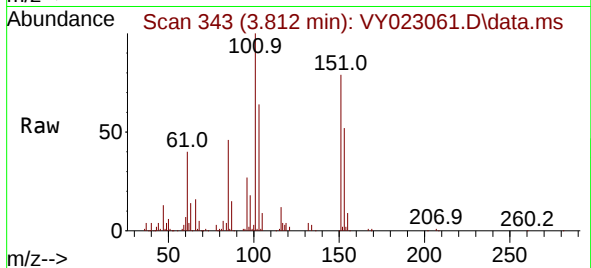




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.545 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

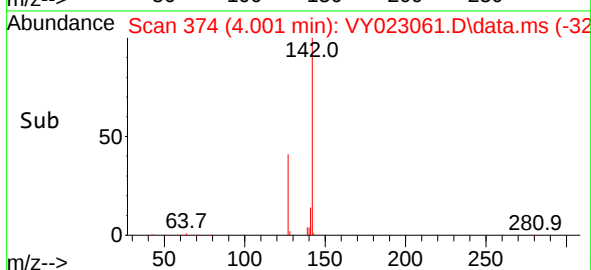
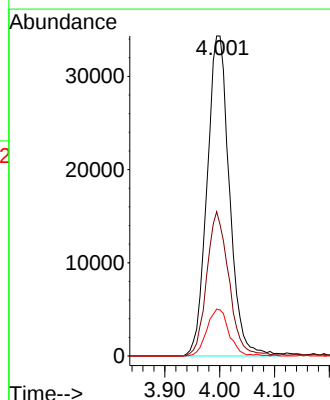
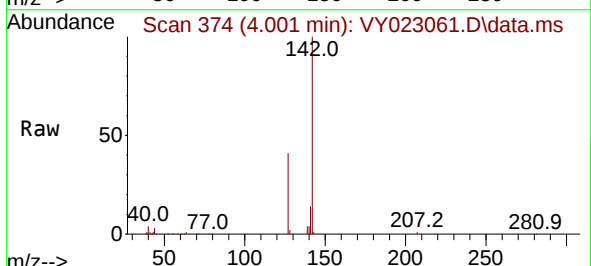
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Tgt Ion:101 Resp: 101004
Ion Ratio Lower Upper
101 100
85 45.7 36.3 54.5
151 77.2 61.5 92.3



#10
Methyl Iodide
Concen: 19.249 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion:142 Resp: 97379
Ion Ratio Lower Upper
142 100
127 44.6 34.9 52.3
141 14.5 11.3 16.9

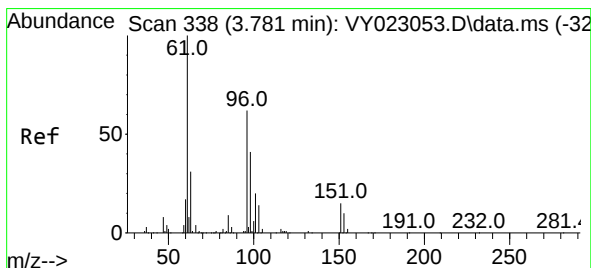
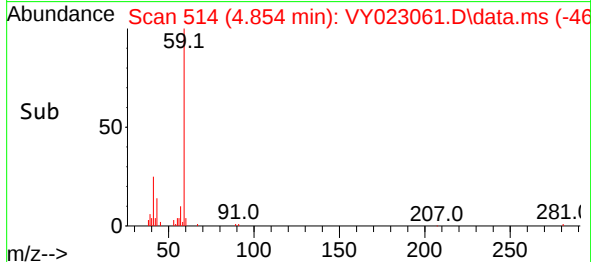
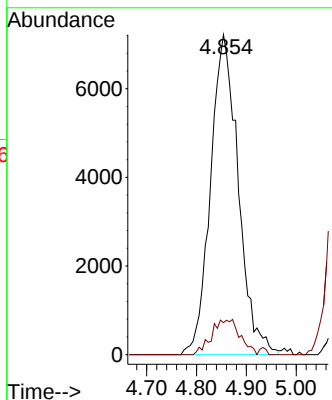
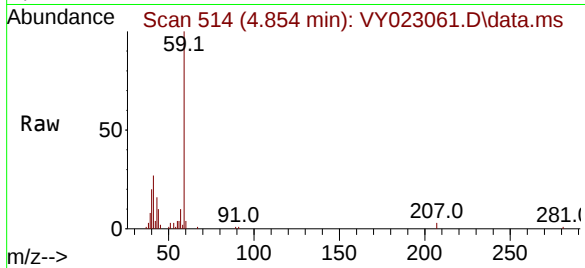




#11
Tert butyl alcohol
Concen: 89.450 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

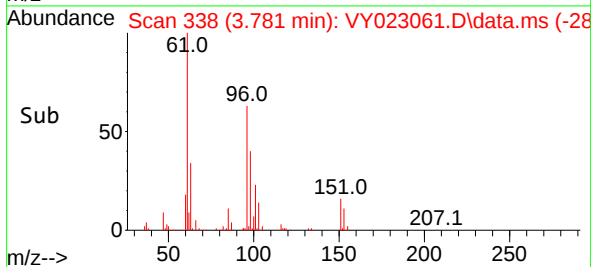
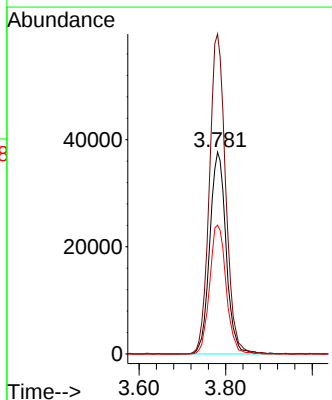
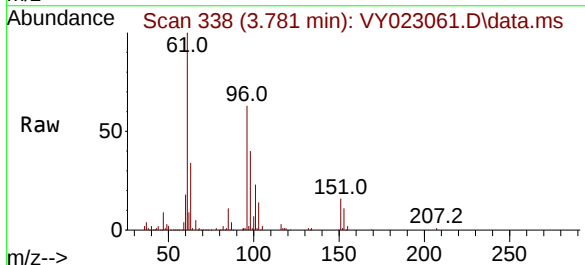
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 59 Resp: 27933
Ion Ratio Lower Upper
59 100
57 11.2 8.6 13.0



#12
1,1-Dichloroethene
Concen: 21.467 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 96 Resp: 98921
Ion Ratio Lower Upper
96 100
61 158.4 129.4 194.2
98 63.8 52.8 79.2

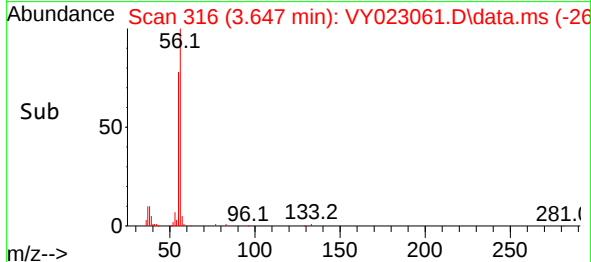
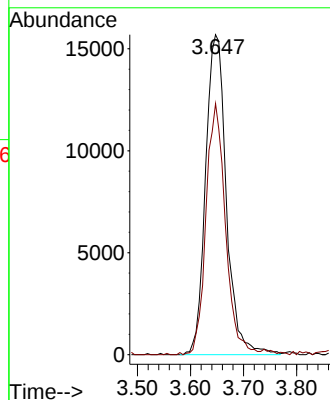
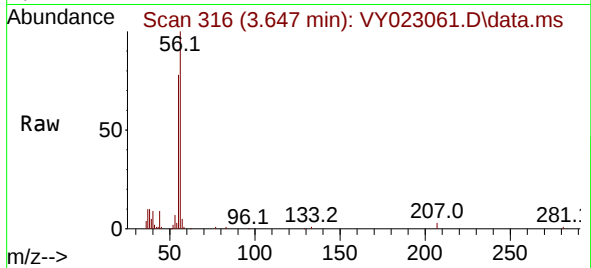




#13
Acrolein
Concen: 93.352 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

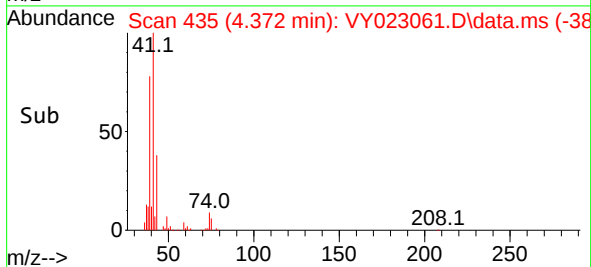
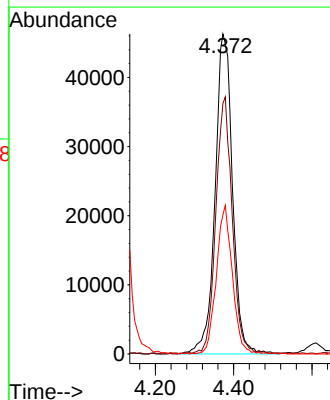
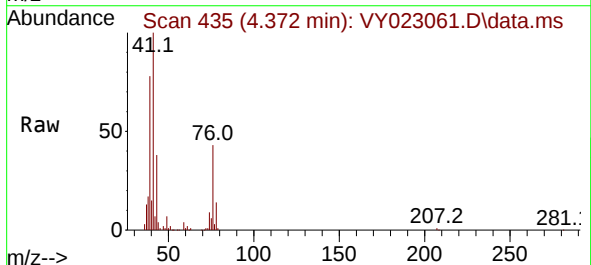
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

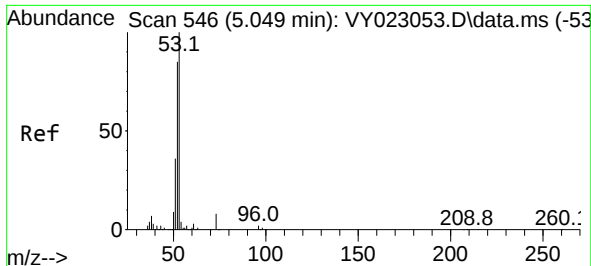
Tgt Ion: 56 Resp: 42693
Ion Ratio Lower Upper
56 100
55 73.3 55.2 82.8



#14
Allyl chloride
Concen: 21.158 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 41 Resp: 143464
Ion Ratio Lower Upper
41 100
39 75.4 59.8 89.6
76 42.6 33.7 50.5

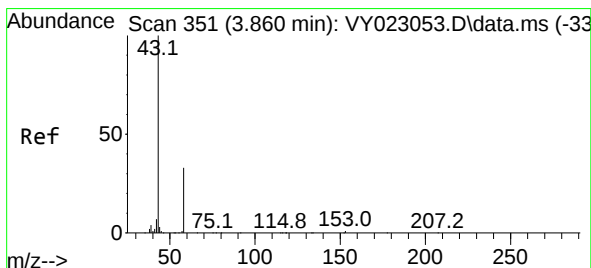
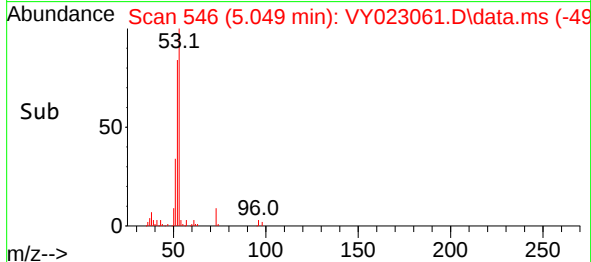
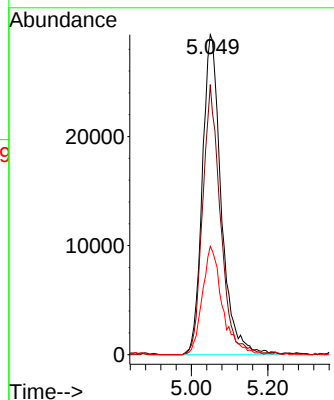
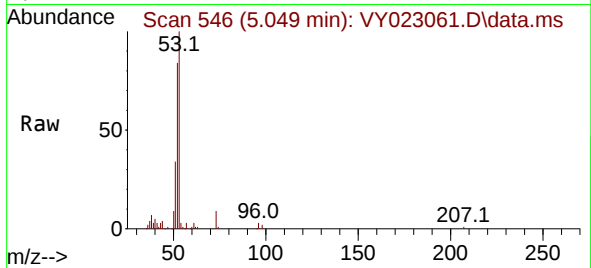




#15
Acrylonitrile
Concen: 98.653 ug/l
RT: 5.049 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

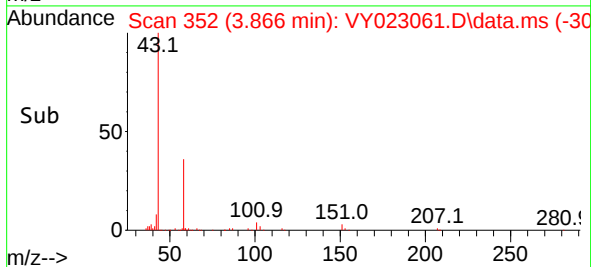
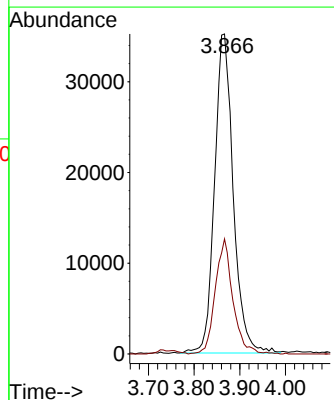
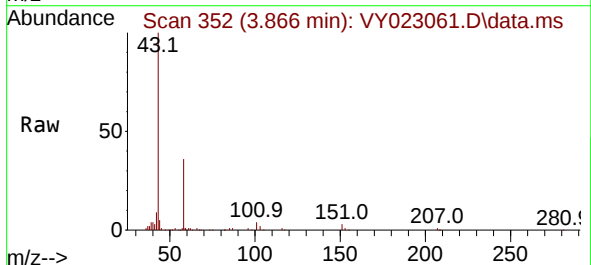
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

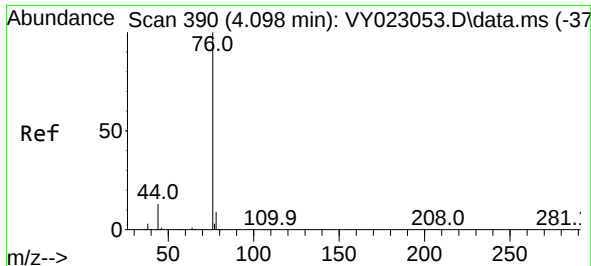
Tgt Ion: 53 Resp: 100833
Ion Ratio Lower Upper
53 100
52 79.6 65.3 97.9
51 35.9 29.5 44.3



#16
Acetone
Concen: 101.199 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 43 Resp: 99920
Ion Ratio Lower Upper
43 100
58 36.1 27.1 40.7

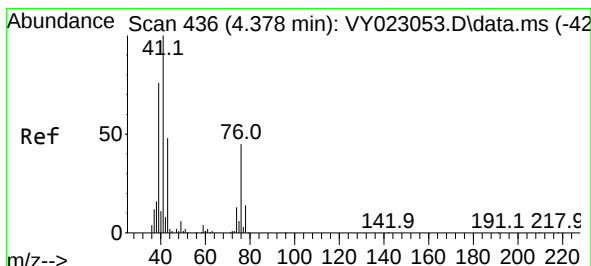
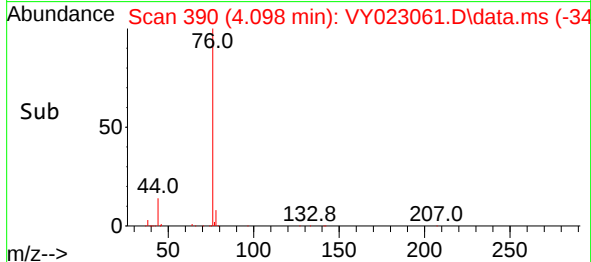
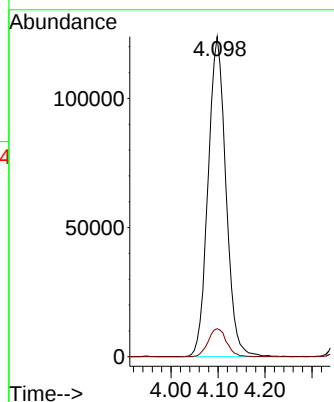
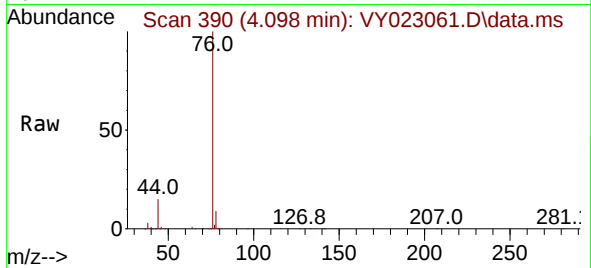




#17
Carbon Disulfide
Concen: 21.737 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

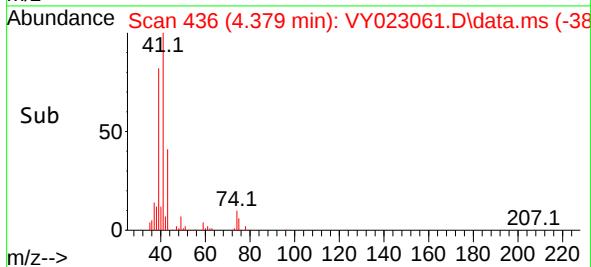
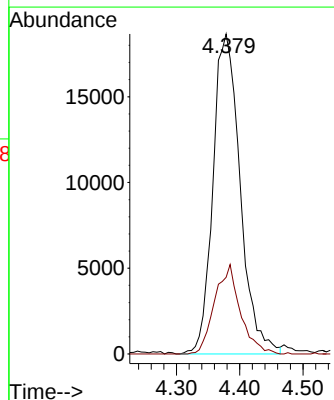
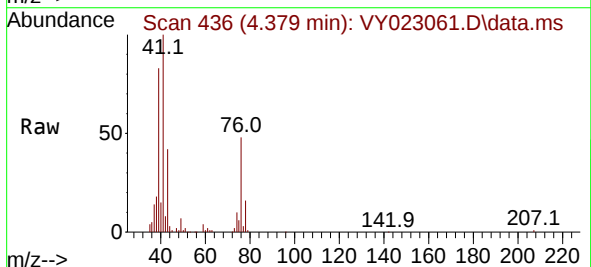
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 76 Resp: 326606
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 18.953 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 43 Resp: 55687
Ion Ratio Lower Upper
43 100
74 26.3 21.2 31.8

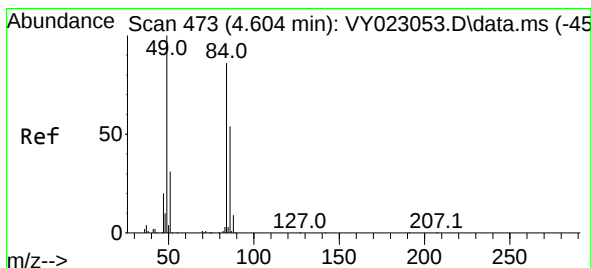
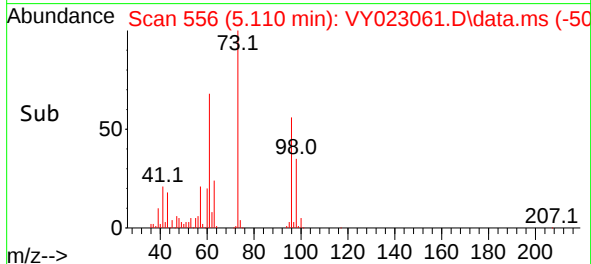
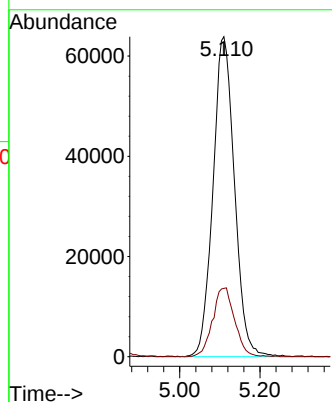
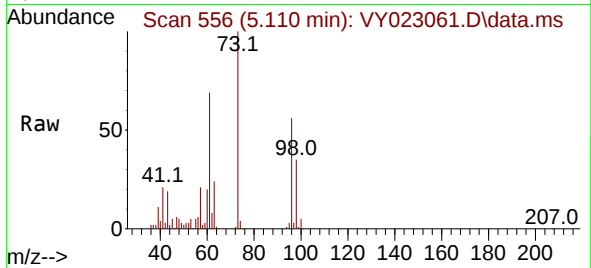




#19
Methyl tert-butyl Ether
Concen: 19.892 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

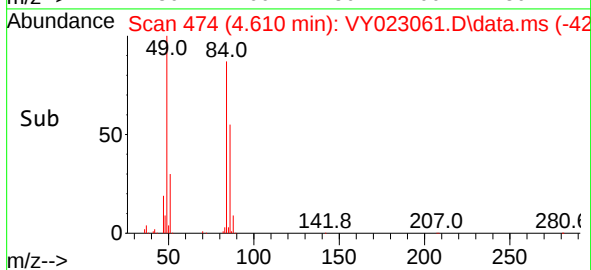
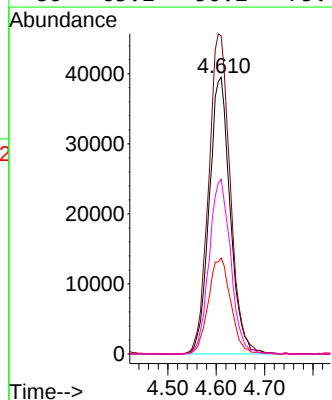
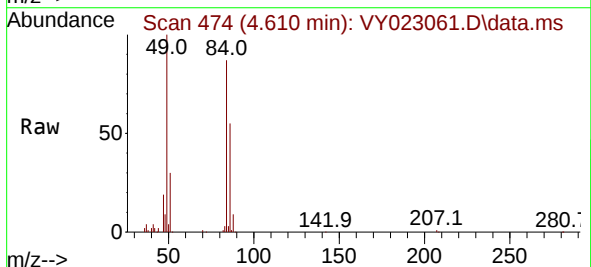
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

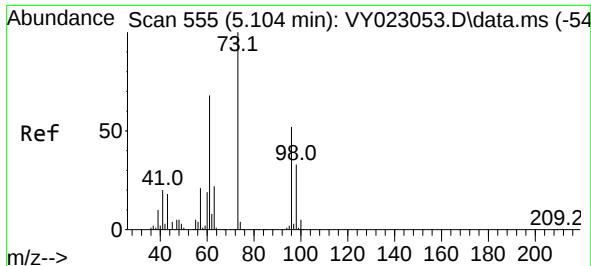
Tgt Ion: 73 Resp: 237530
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 21.623 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 84 Resp: 118853
Ion Ratio Lower Upper
84 100
49 115.1 93.0 139.6
51 34.7 29.0 43.4
86 63.2 50.2 75.4

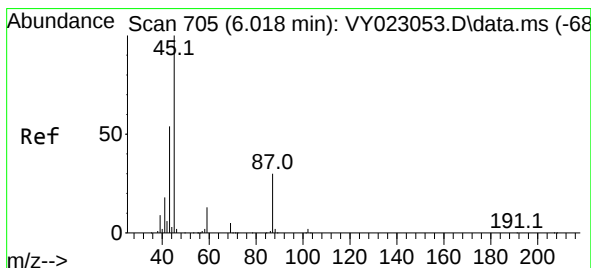
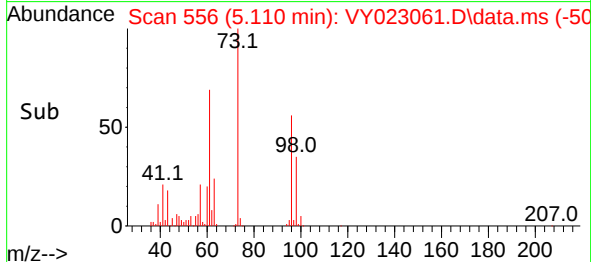
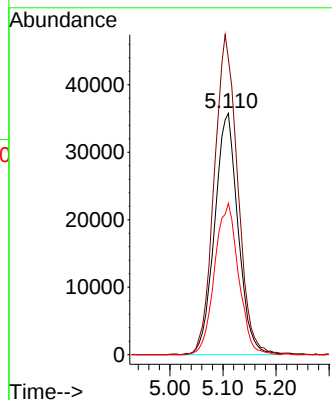
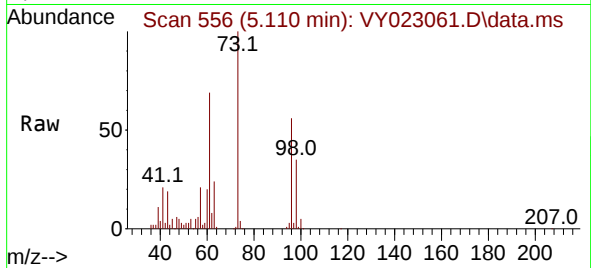




#21
trans-1,2-Dichloroethene
Concen: 21.230 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

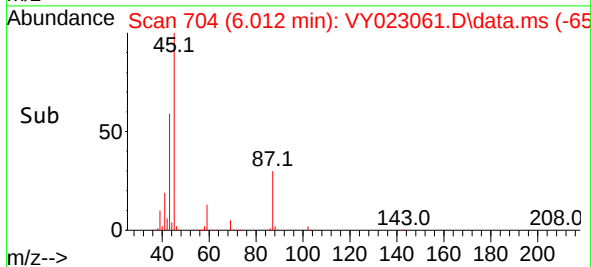
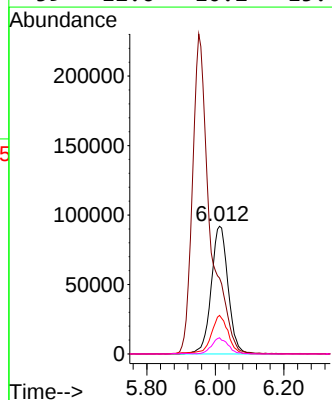
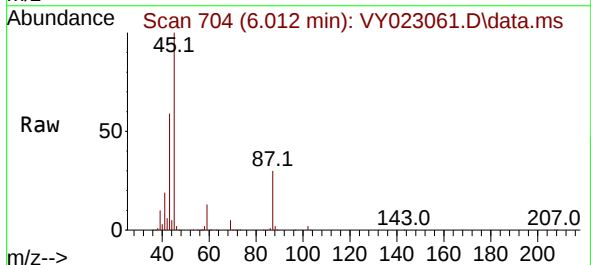
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 96 Resp: 109941
Ion Ratio Lower Upper
96 100
61 122.5 104.8 157.2
98 62.7 50.1 75.1



#22
Diisopropyl ether
Concen: 21.310 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 45 Resp: 313978
Ion Ratio Lower Upper
45 100
43 59.0 43.4 65.0
87 30.2 24.4 36.6
59 12.6 10.2 15.4

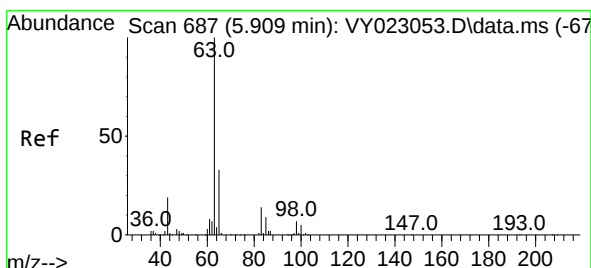
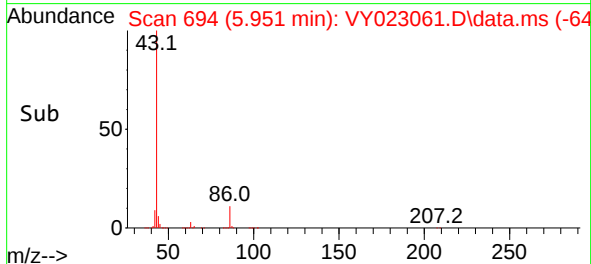
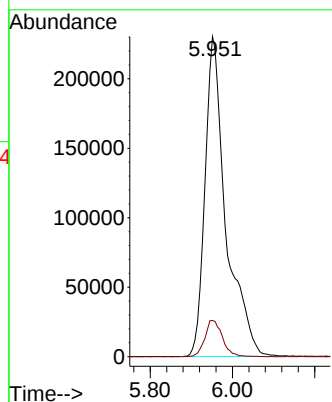
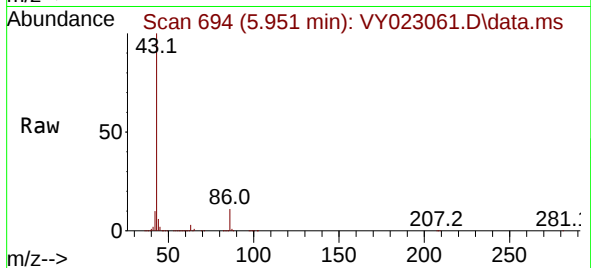




#23
 Vinyl Acetate
 Concen: 100.034 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

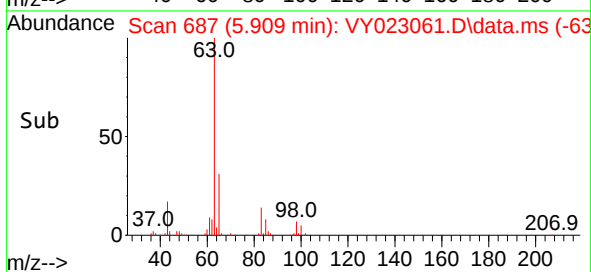
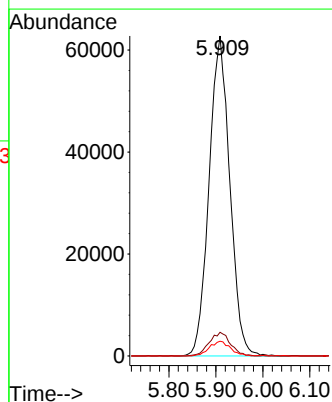
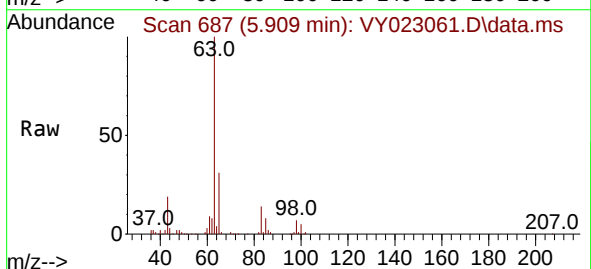
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

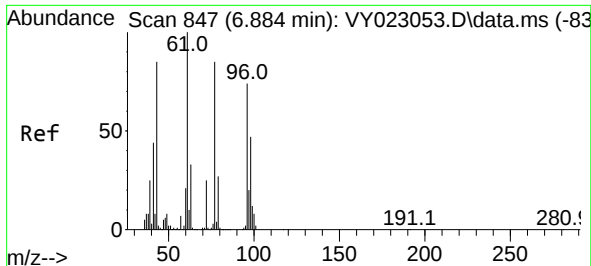
Tgt Ion: 43 Resp: 814993
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 21.326 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

Tgt Ion: 63 Resp: 192114
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 97.389 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

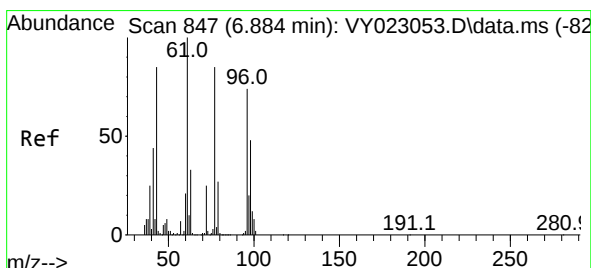
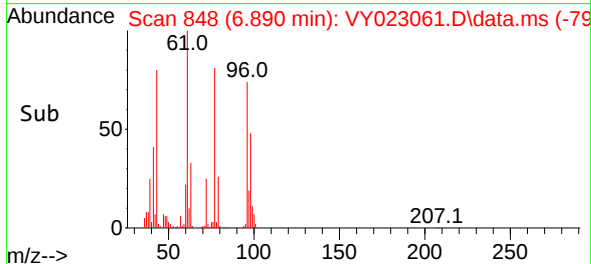
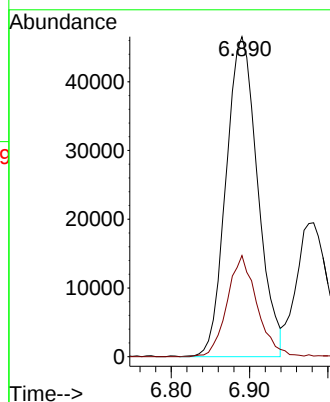
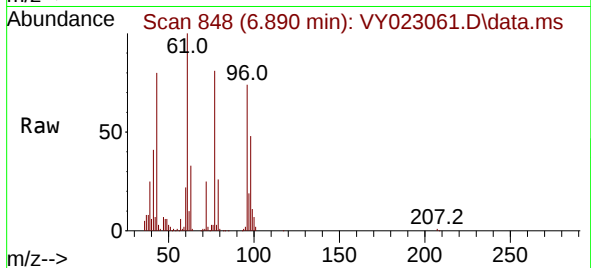
VY0813SBS01

Tgt Ion: 43 Resp: 130779

Ion Ratio Lower Upper

43 100

72 31.6 23.5 35.3



#26

2,2-Dichloropropane

Concen: 21.776 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023061.D

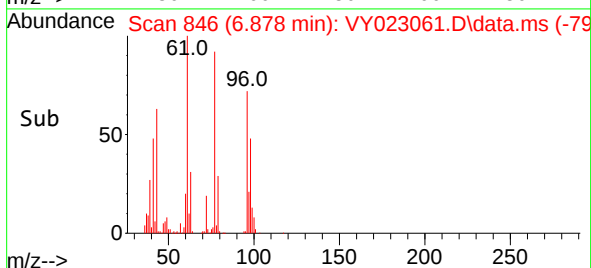
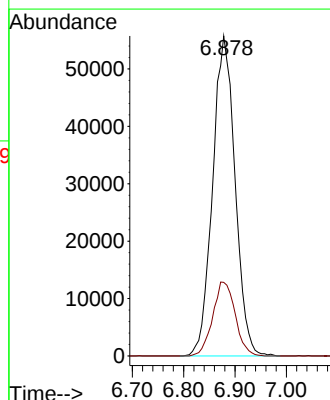
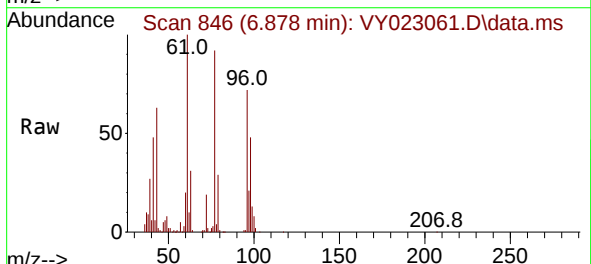
Acq: 13 Aug 2025 11:09

Tgt Ion: 77 Resp: 169264

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 21.095 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

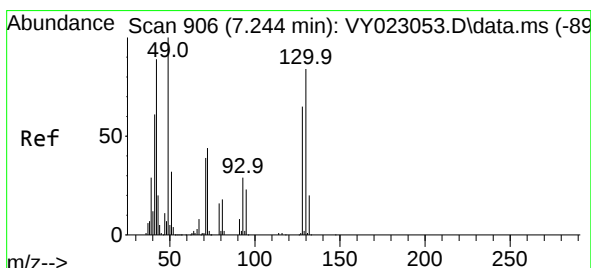
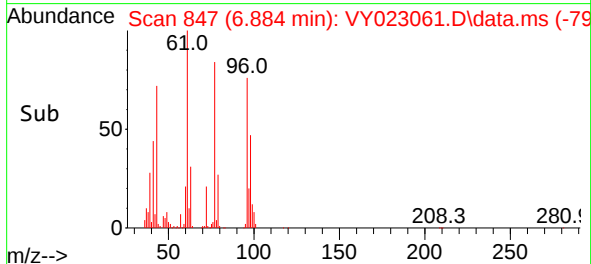
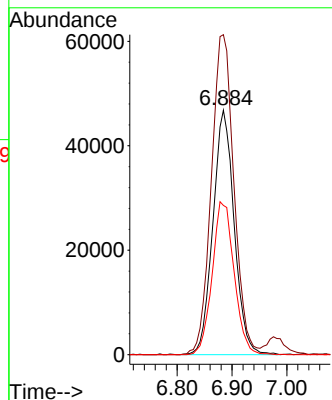
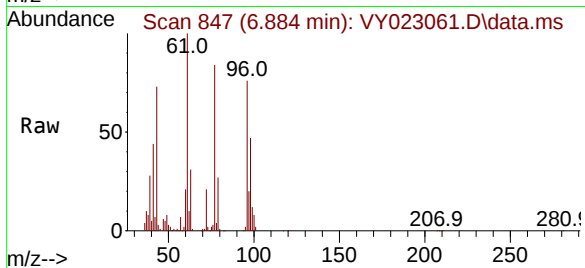
Tgt Ion: 96 Resp: 126291

Ion Ratio Lower Upper

96 100

61 138.9 0.0 278.6

98 64.3 0.0 130.4



#28

Bromochloromethane

Concen: 20.802 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

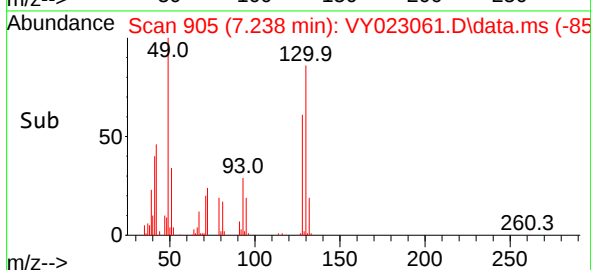
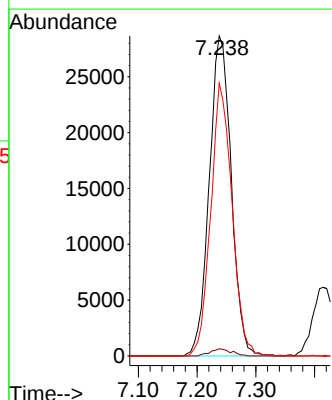
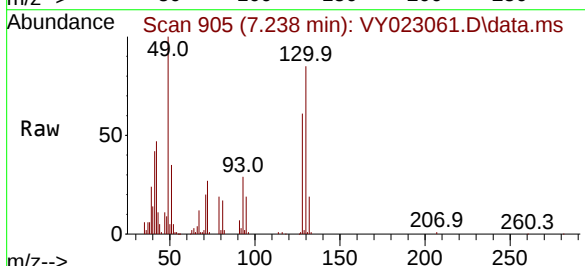
Tgt Ion: 49 Resp: 74346

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 82.5 66.4 99.6





#29

Tetrahydrofuran

Concen: 94.913 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

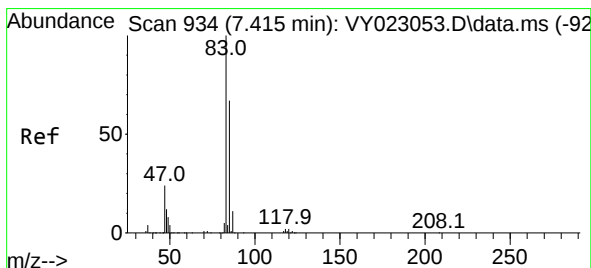
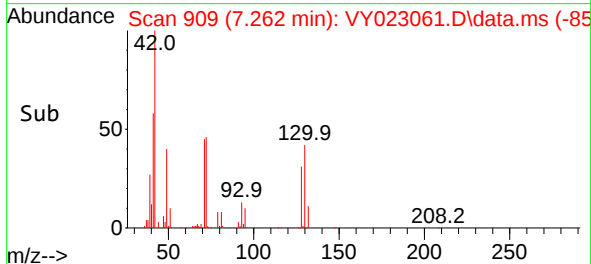
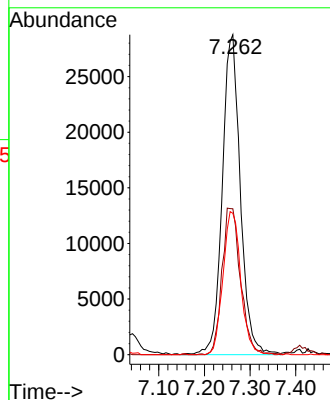
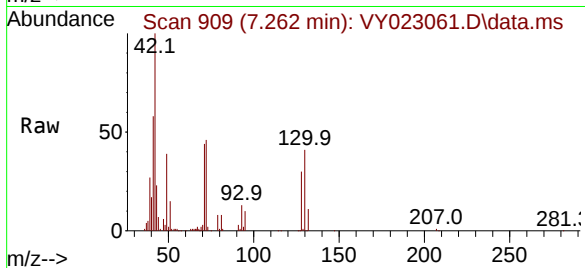
Tgt Ion: 42 Resp: 79003

Ion Ratio Lower Upper

42 100

72 47.0 39.4 59.2

71 44.1 36.5 54.7



#30

Chloroform

Concen: 21.559 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023061.D

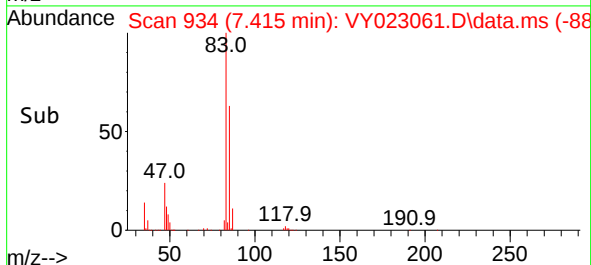
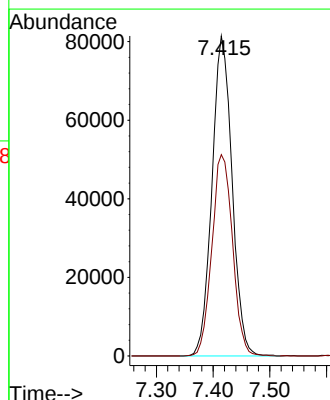
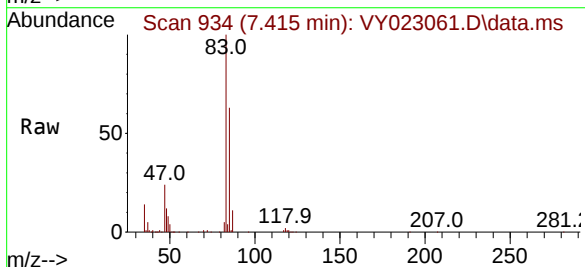
Acq: 13 Aug 2025 11:09

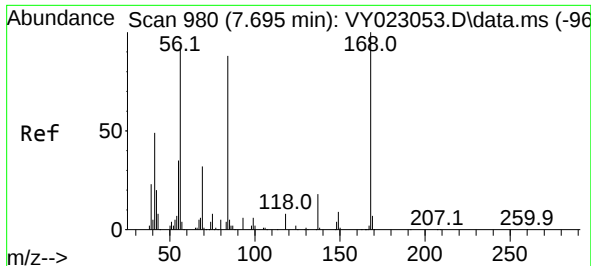
Tgt Ion: 83 Resp: 200297

Ion Ratio Lower Upper

83 100

85 62.9 53.8 80.8

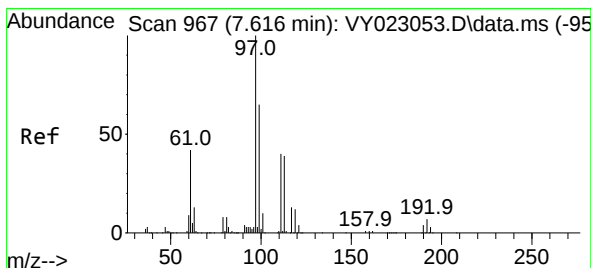
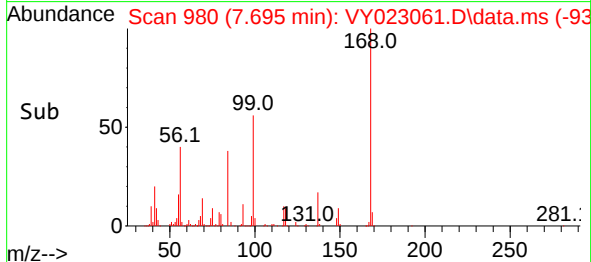
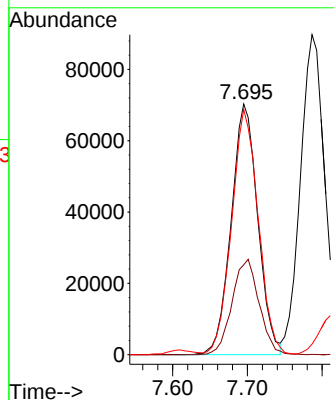
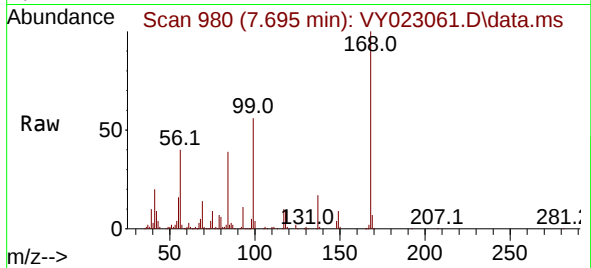




#31
Cyclohexane
Concen: 20.493 ug/l
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

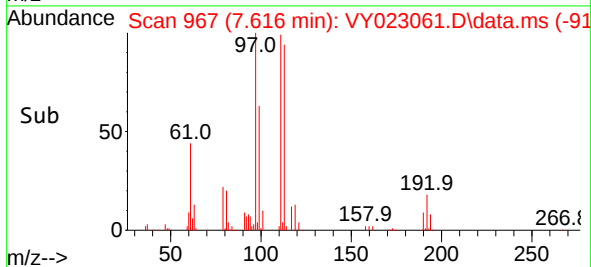
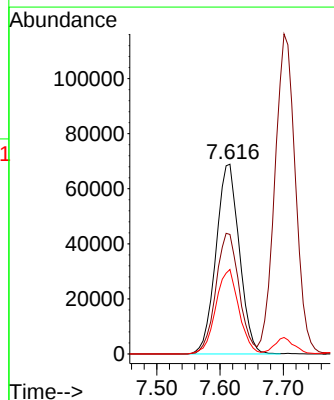
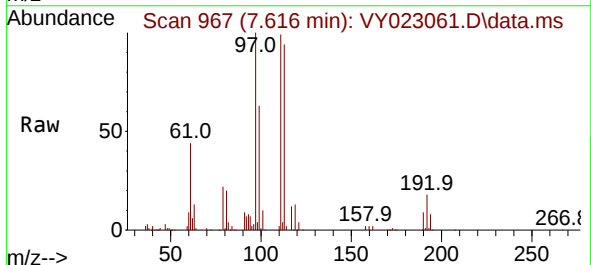
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 56 Resp: 173959
Ion Ratio Lower Upper
56 100
69 35.9 28.2 42.2
84 95.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 21.416 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 97 Resp: 176542
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 44.0 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.326 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

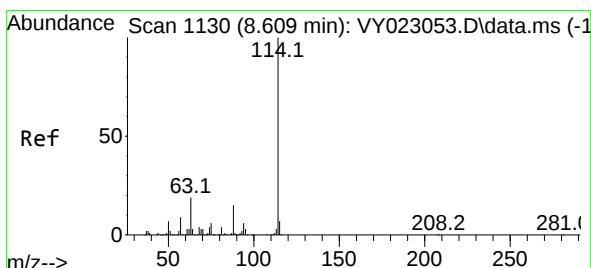
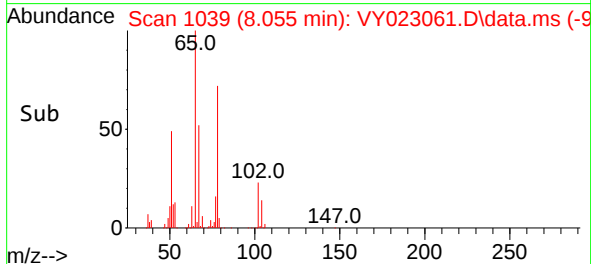
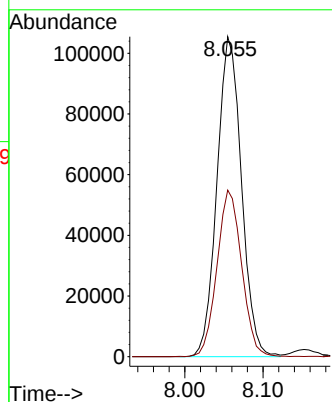
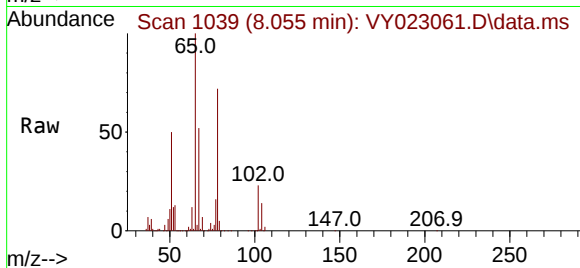
VY0813SBS01

Tgt Ion: 65 Resp: 229361

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

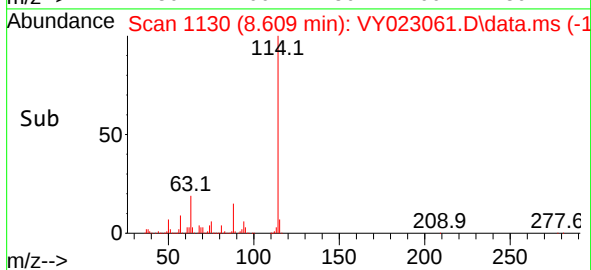
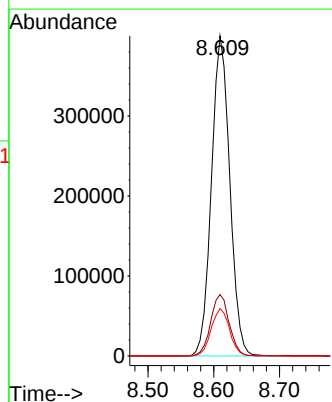
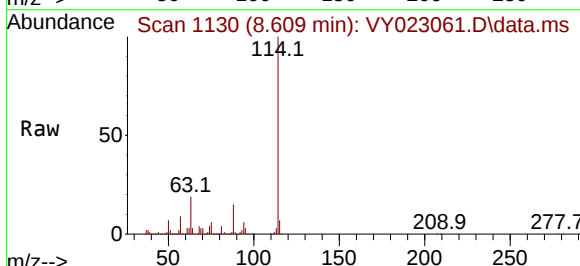
Tgt Ion:114 Resp: 775826

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 14.8 0.0 30.0

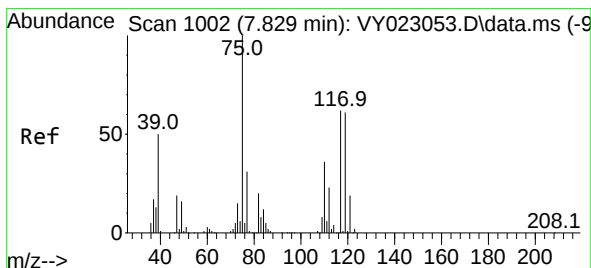
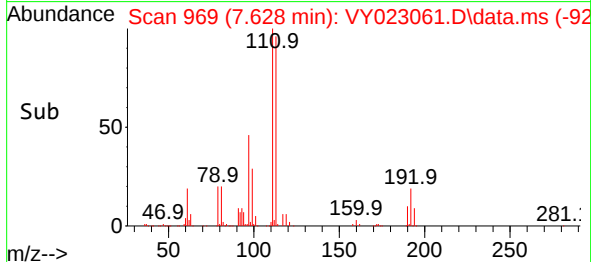
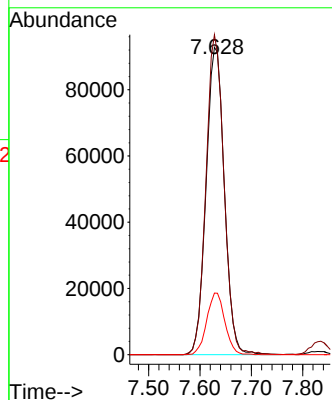
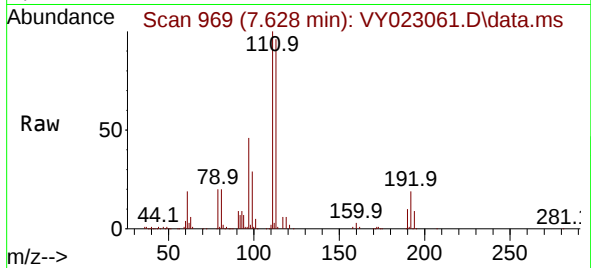




#35
Dibromofluoromethane
Concen: 49.398 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

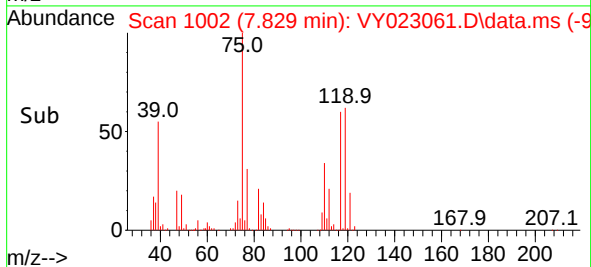
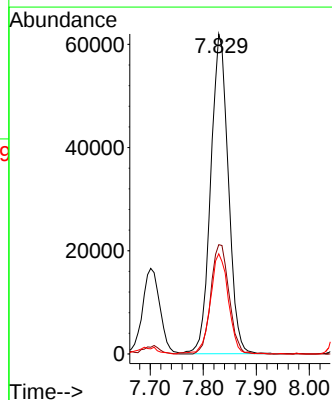
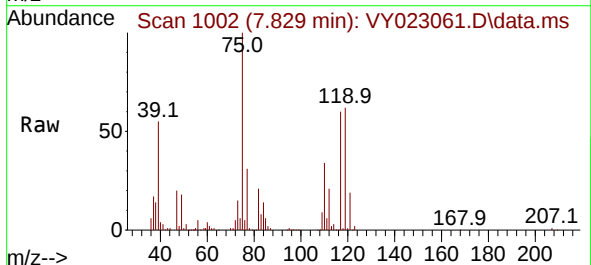
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

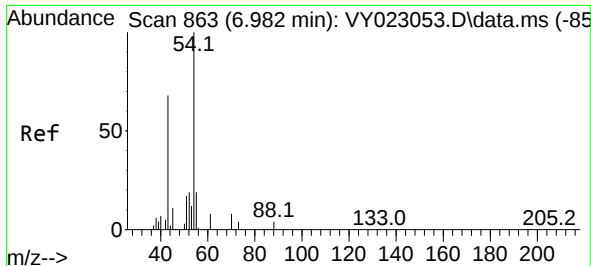
Tgt Ion:113 Resp: 229320
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 20.716 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 75 Resp: 142922
Ion Ratio Lower Upper
75 100
110 35.3 18.1 54.4
77 32.0 24.6 37.0

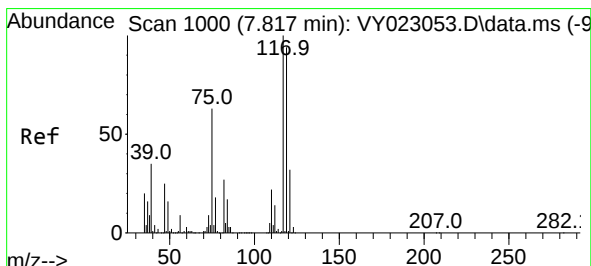
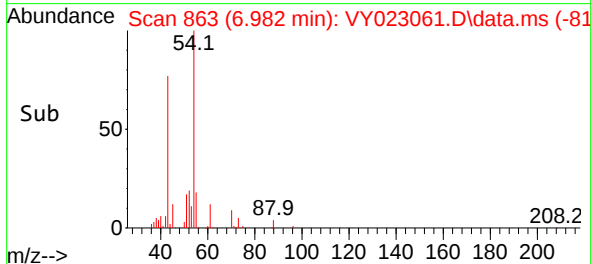
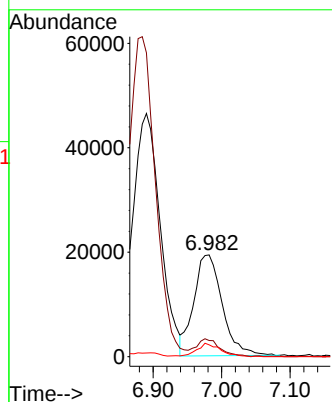
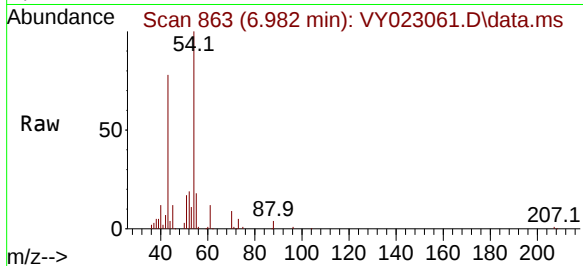




#37
Ethyl Acetate
Concen: 19.200 ug/l
RT: 6.982 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

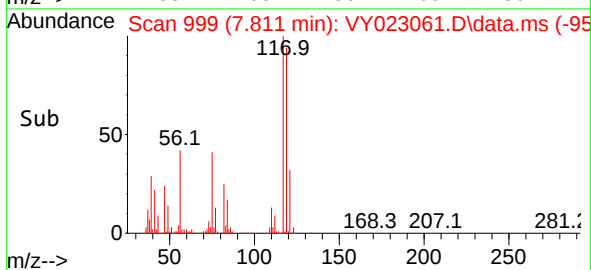
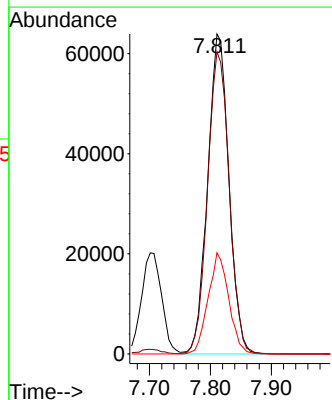
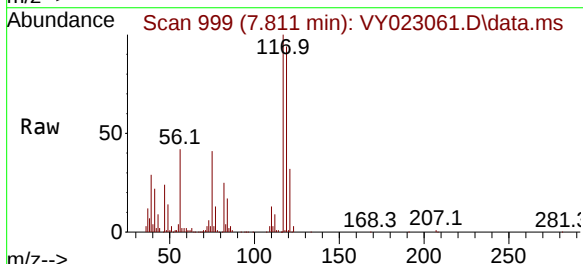
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

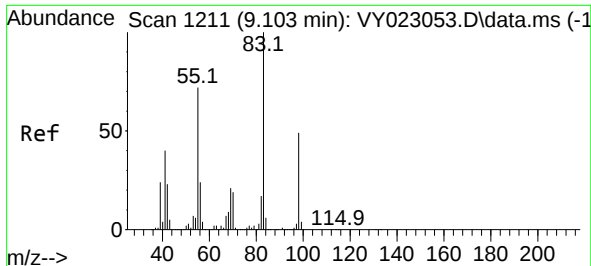
Tgt Ion: 43 Resp: 55643
Ion Ratio Lower Upper
43 100
61 14.6 11.9 17.9
70 11.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 20.674 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 117 Resp: 154916
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 31.6 25.8 38.8

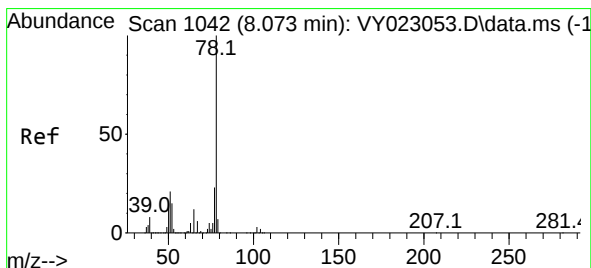
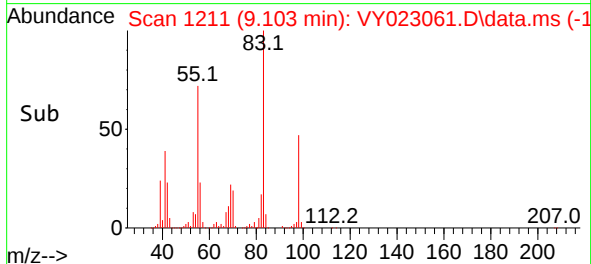
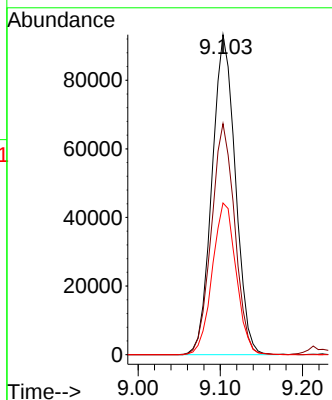
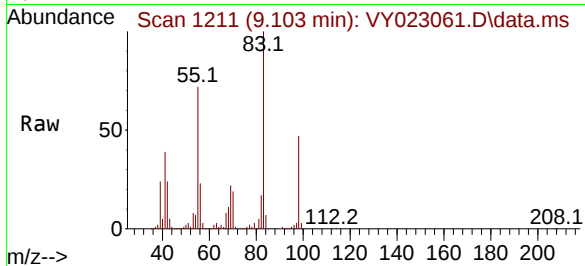




#39
Methylcyclohexane
Concen: 20.258 ug/l
RT: 9.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

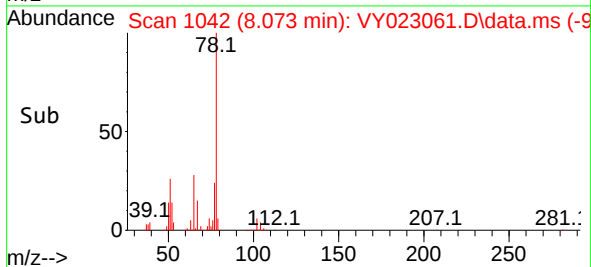
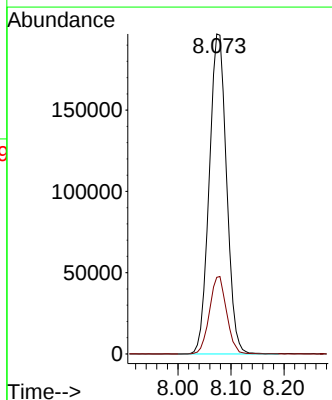
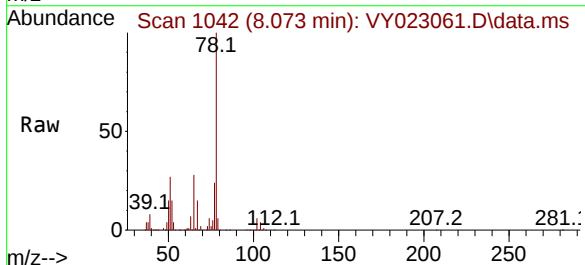
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 83 Resp: 184052
Ion Ratio Lower Upper
83 100
55 72.2 57.6 86.4
98 47.4 39.2 58.8



#40
Benzene
Concen: 21.020 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 78 Resp: 446973
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

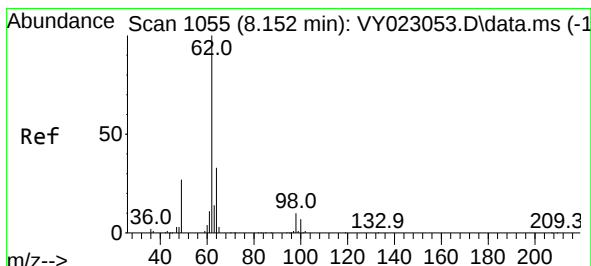
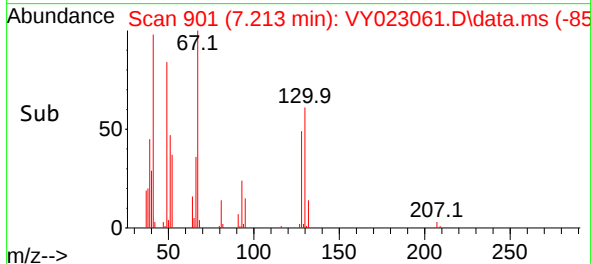
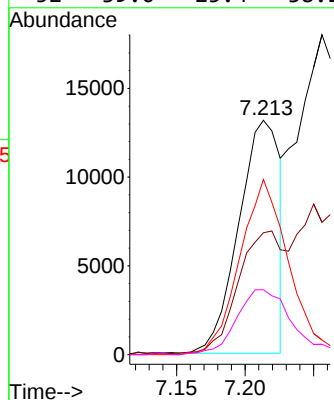
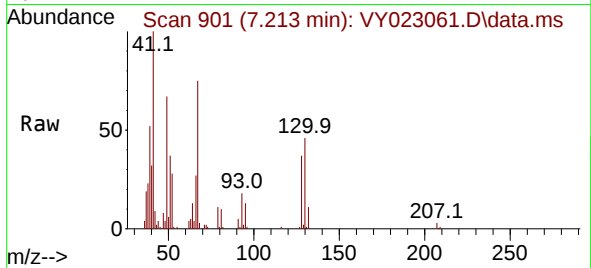




#41
Methacrylonitrile
Concen: 16.390 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

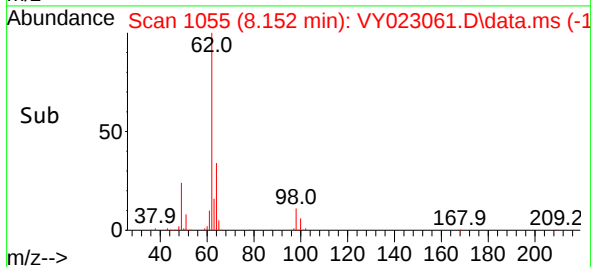
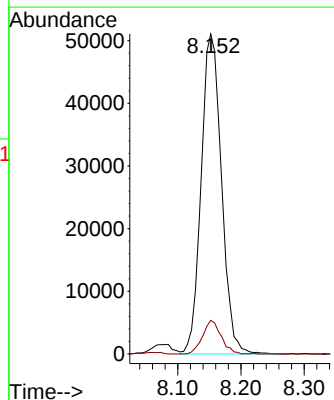
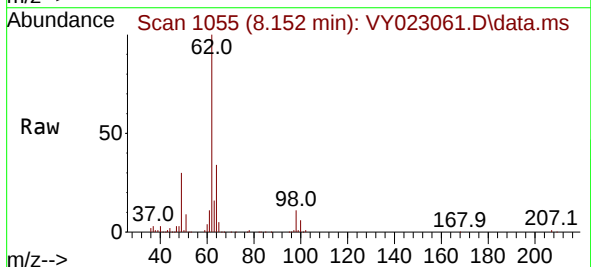
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 41 Resp: 27413
Ion Ratio Lower Upper
41 100
39 61.6 43.4 65.2
67 90.2 63.6 95.4
52 39.0 25.4 38.2#



#42
1,2-Dichloroethane
Concen: 20.668 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 62 Resp: 114299
Ion Ratio Lower Upper
62 100
98 9.6 0.0 20.6

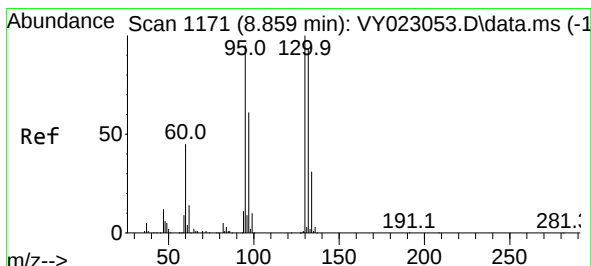
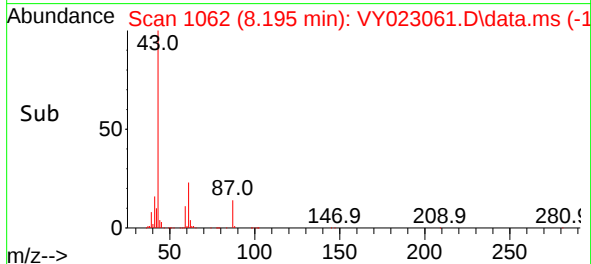
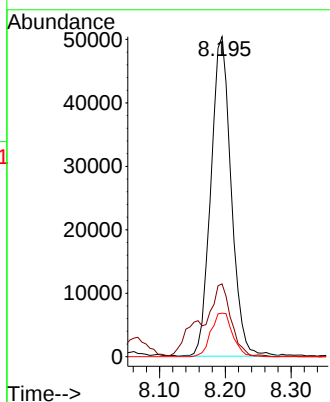
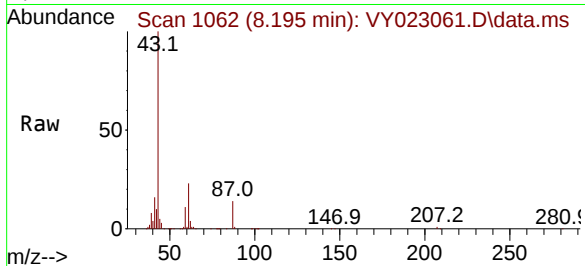




#43
Isopropyl Acetate
Concen: 18.507 ug/l
RT: 8.195 min Scan# 11062
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

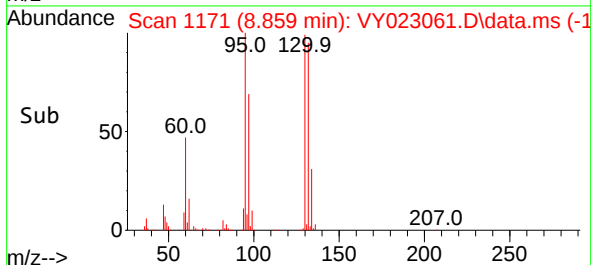
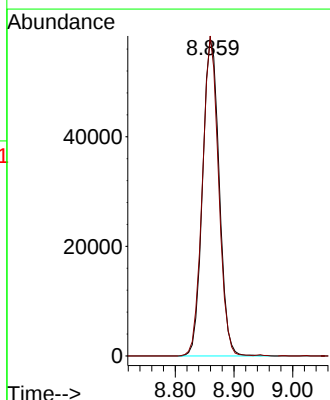
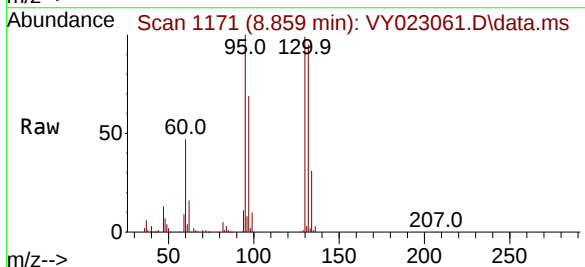
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 43 Resp: 108405
Ion Ratio Lower Upper
43 100
61 22.2 16.4 24.6
87 14.5 11.8 17.6



#44
Trichloroethene
Concen: 20.652 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion:130 Resp: 113487
Ion Ratio Lower Upper
130 100
95 101.0 0.0 190.2

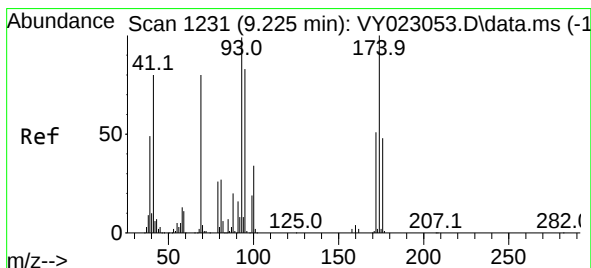
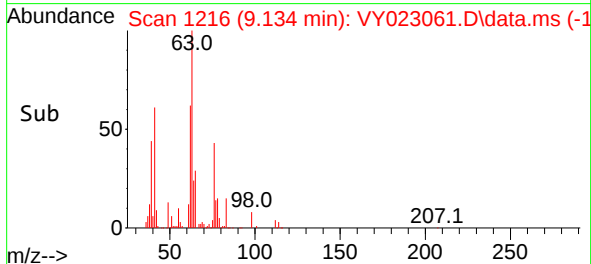
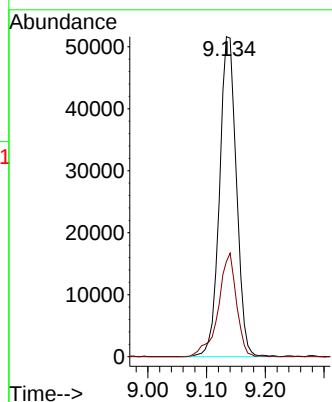
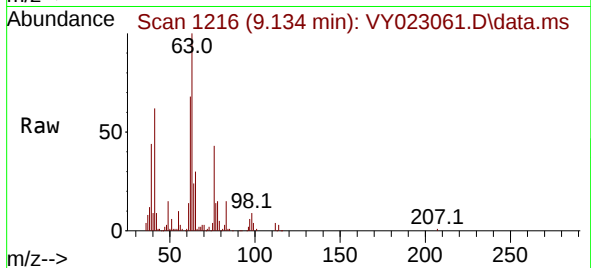




#45
1,2-Dichloropropane
Concen: 21.073 ug/l
RT: 9.134 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

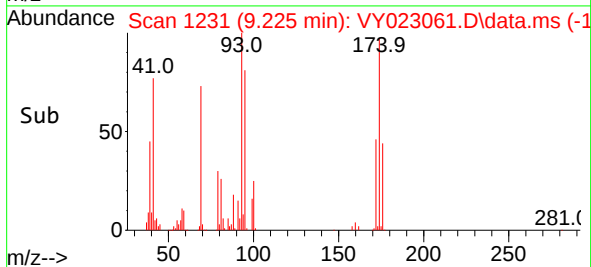
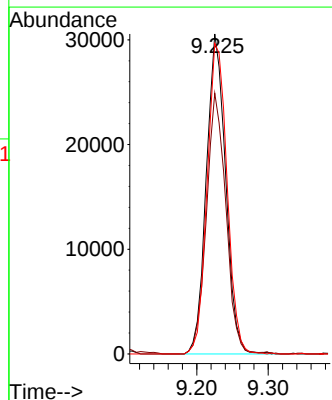
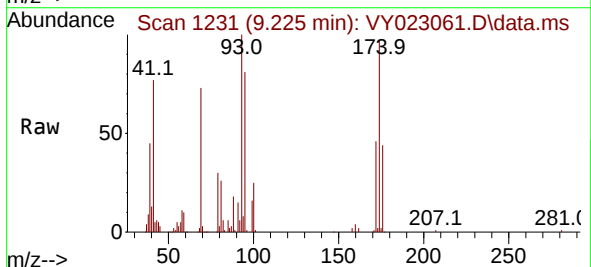
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 63 Resp: 103105
Ion Ratio Lower Upper
63 100
65 29.8 25.3 37.9



#46
Dibromomethane
Concen: 20.408 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 93 Resp: 57310
Ion Ratio Lower Upper
93 100
95 82.2 66.5 99.7
174 100.0 81.8 122.8

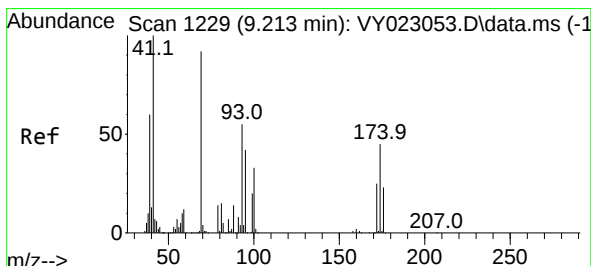
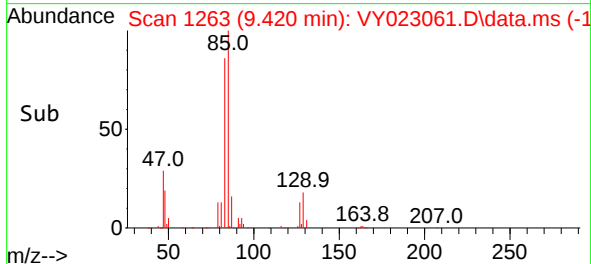
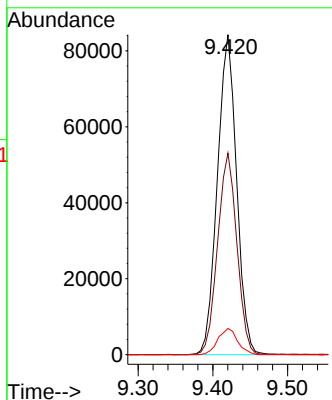
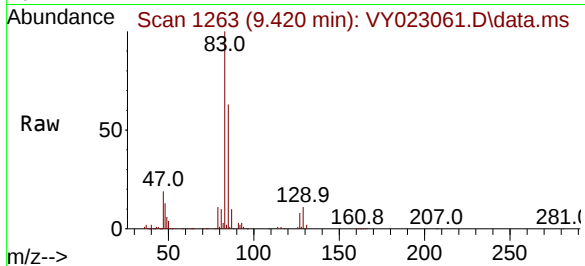




#47
Bromodichloromethane
Concen: 20.900 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

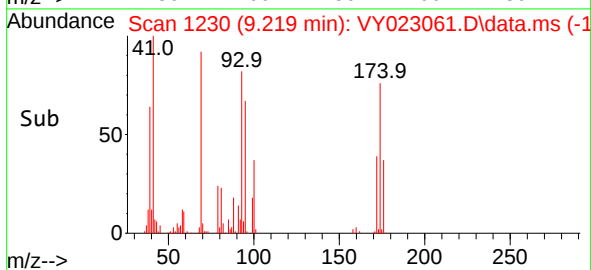
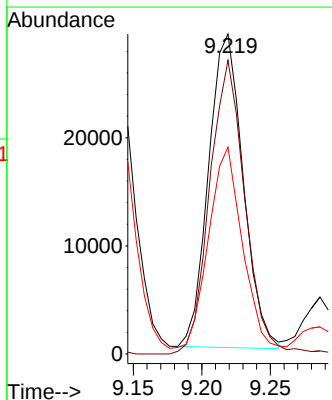
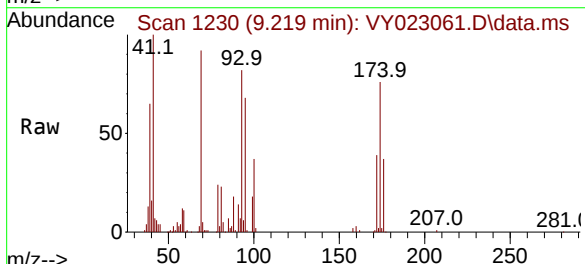
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 83 Resp: 151024
Ion Ratio Lower Upper
83 100
85 63.0 50.2 75.4
127 8.2 6.6 10.0



#48
Methyl methacrylate
Concen: 18.207 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 41 Resp: 51033
Ion Ratio Lower Upper
41 100
69 95.5 73.2 109.8
39 62.7 47.0 70.4





#49

1,4-Dioxane

Concen: 405.561 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

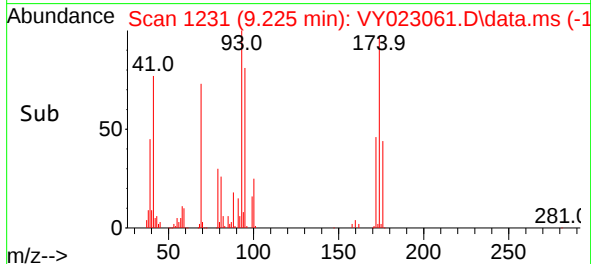
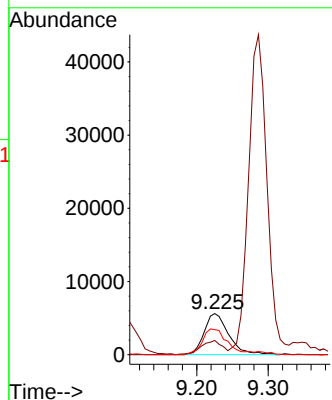
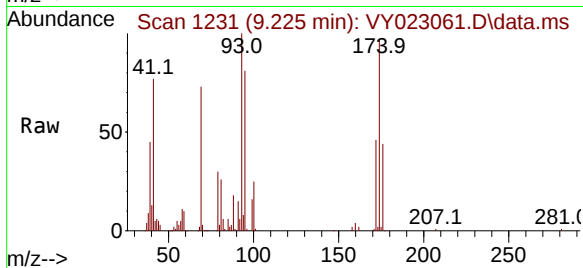
Tgt Ion: 88 Resp: 13354

Ion Ratio Lower Upper

88 100

43 29.7 24.3 36.5

58 68.0 55.4 83.0



#50

Toluene-d8

Concen: 49.992 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023061.D

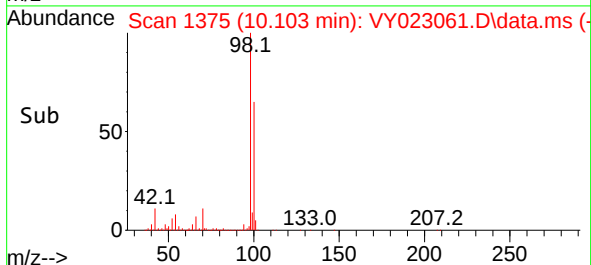
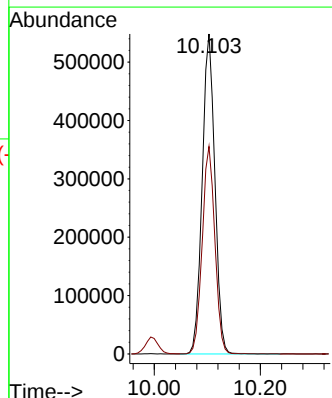
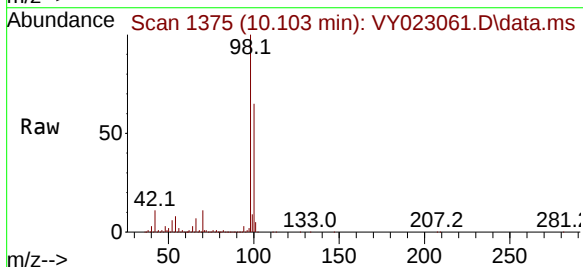
Acq: 13 Aug 2025 11:09

Tgt Ion: 98 Resp: 906626

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 93.183 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

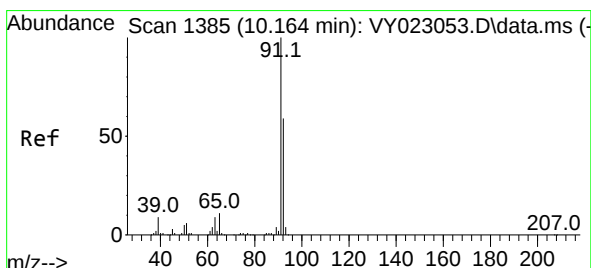
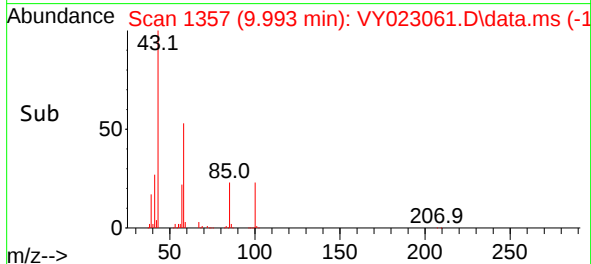
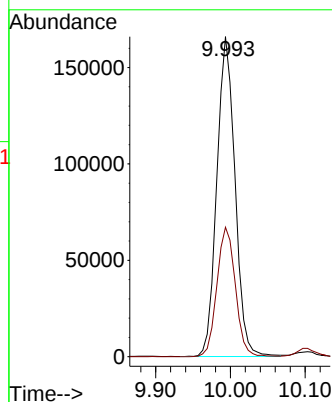
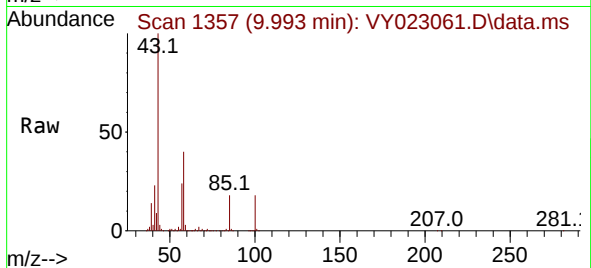
VY0813SBS01

Tgt Ion: 43 Resp: 281551

Ion Ratio Lower Upper

43 100

58 41.1 33.5 50.3



#52

Toluene

Concen: 20.769 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023061.D

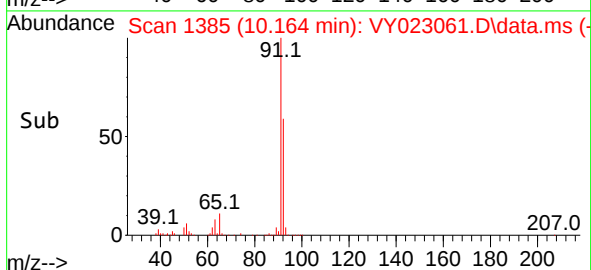
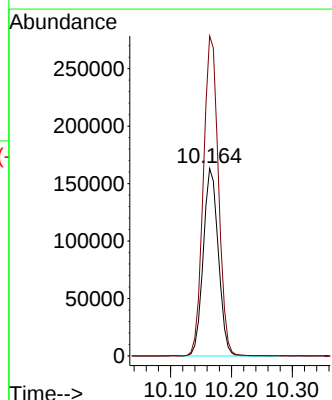
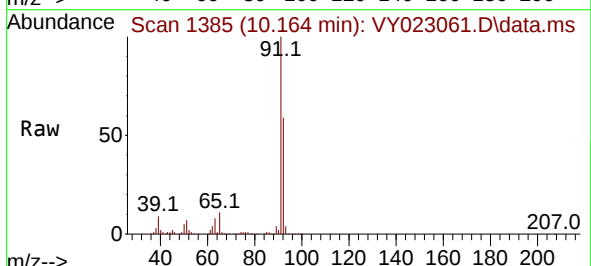
Acq: 13 Aug 2025 11:09

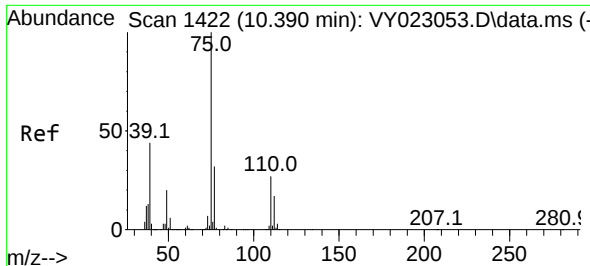
Tgt Ion: 92 Resp: 280495

Ion Ratio Lower Upper

92 100

91 170.9 136.4 204.6

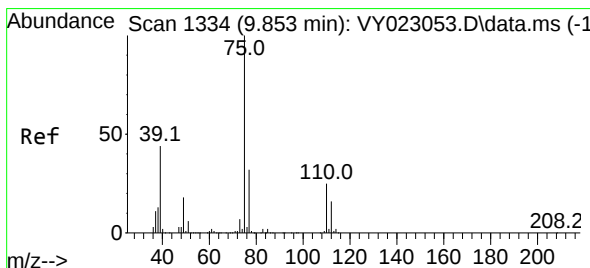
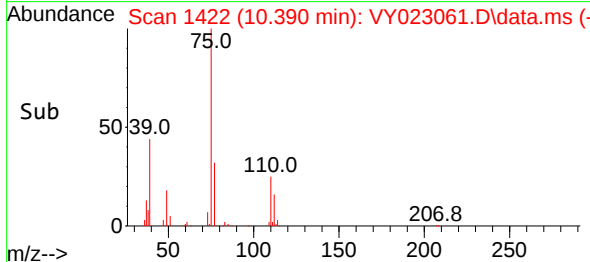
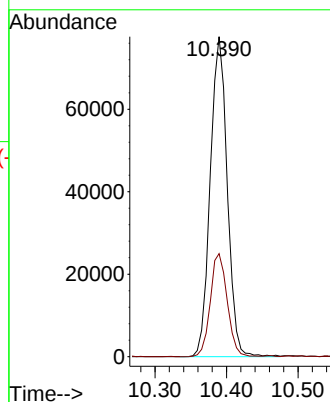
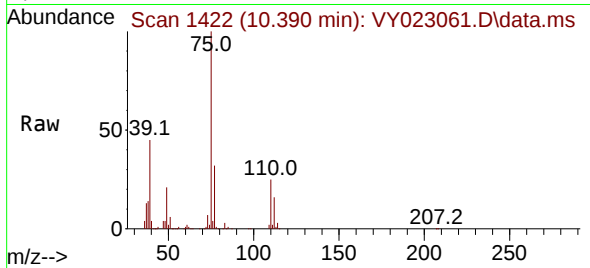




#53
 t-1,3-Dichloropropene
 Concen: 19.584 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

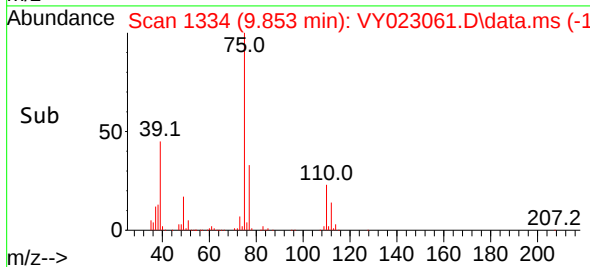
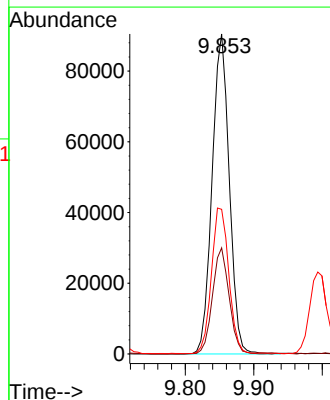
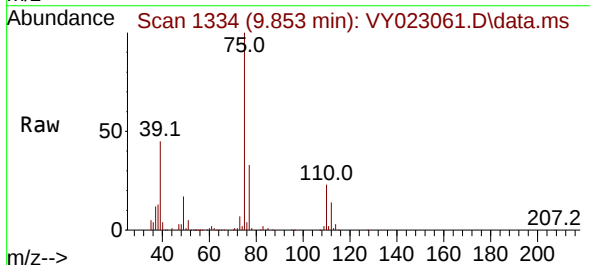
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

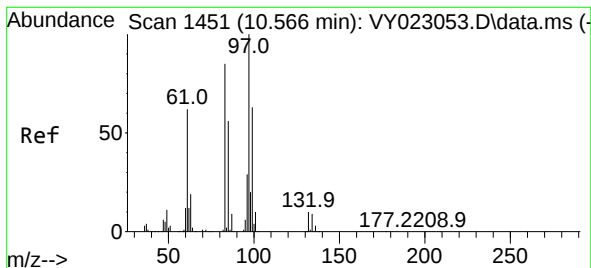
Tgt Ion: 75 Resp: 128144
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 20.305 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

Tgt Ion: 75 Resp: 157108
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.0
 39 45.1 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 19.554 ug/l

RT: 10.566 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

Tgt Ion: 97 Resp: 73477

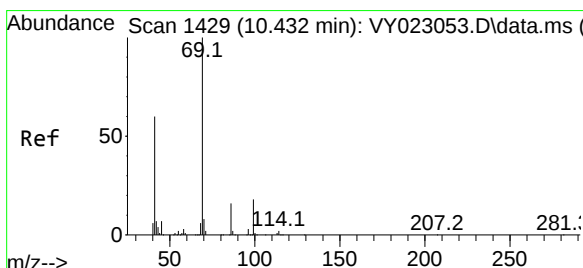
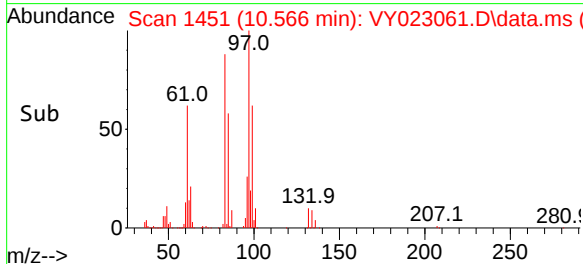
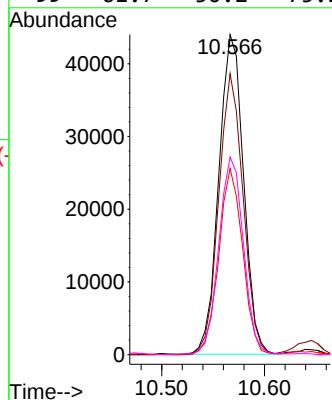
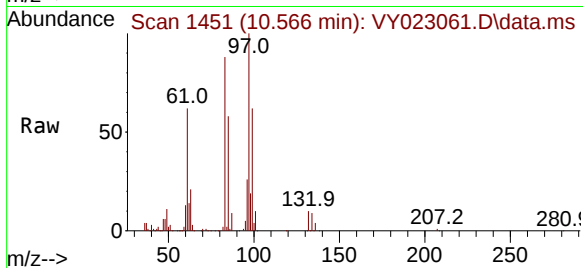
Ion Ratio Lower Upper

97 100

83 87.9 67.7 101.5

85 58.3 44.5 66.7

99 61.7 50.2 75.2



#56

Ethyl methacrylate

Concen: 18.338 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

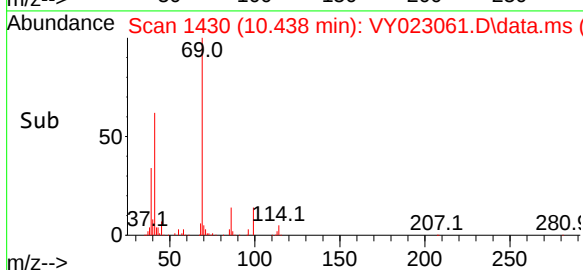
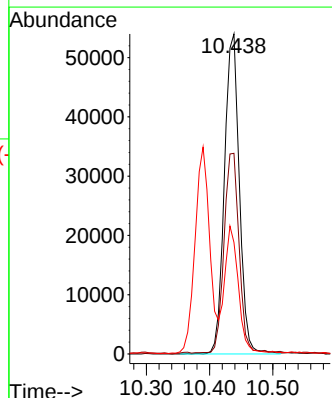
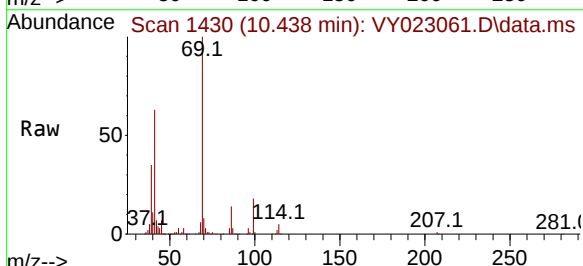
Tgt Ion: 69 Resp: 88174

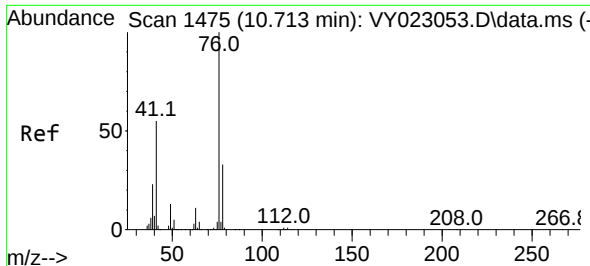
Ion Ratio Lower Upper

69 100

41 62.4 48.6 72.8

39 35.5 27.0 40.4





#57

1,3-Dichloropropane

Concen: 20.247 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

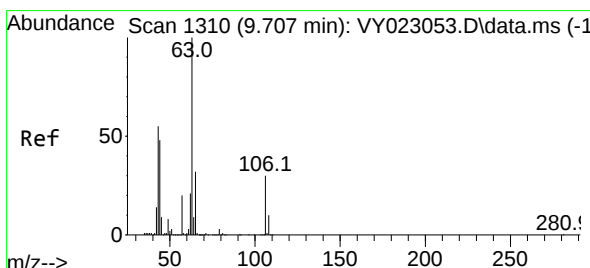
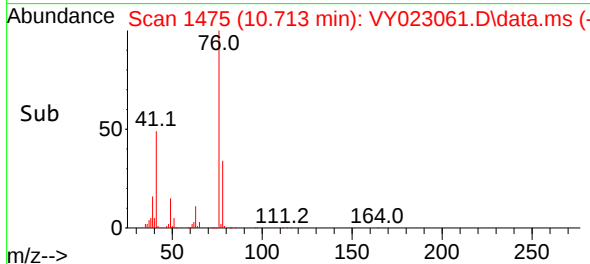
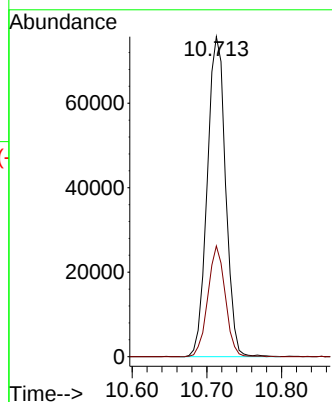
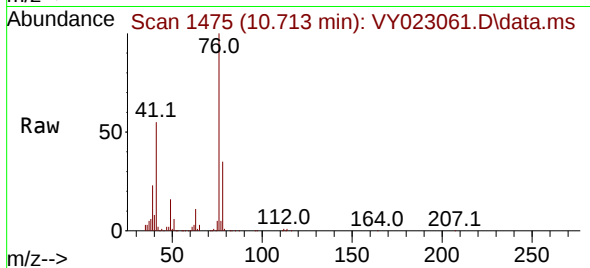
VY0813SBS01

Tgt Ion: 76 Resp: 129029

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 94.383 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023061.D

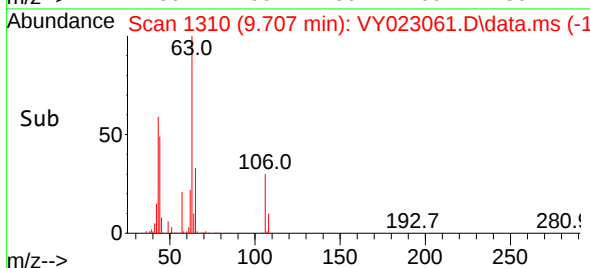
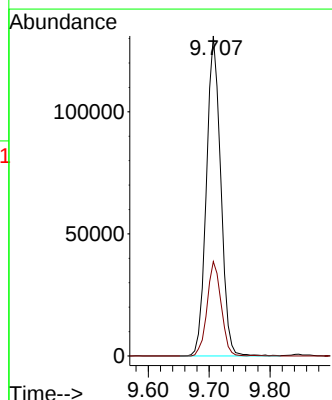
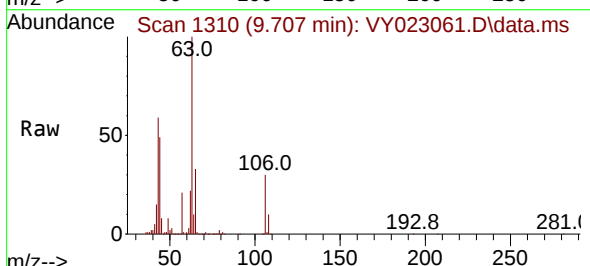
Acq: 13 Aug 2025 11:09

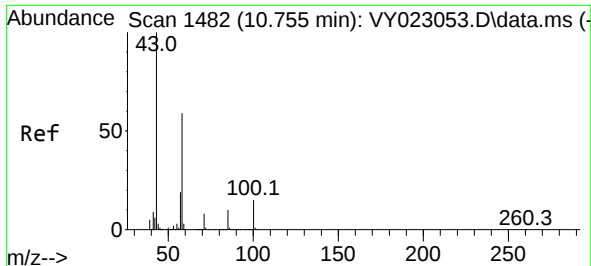
Tgt Ion: 63 Resp: 214069

Ion Ratio Lower Upper

63 100

106 28.9 23.2 34.8

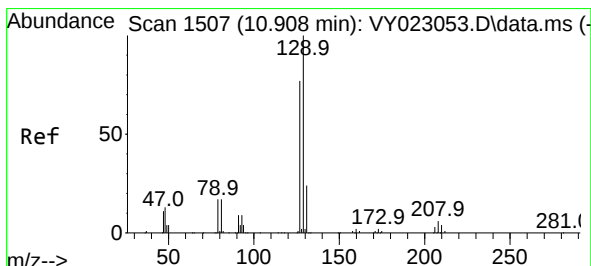
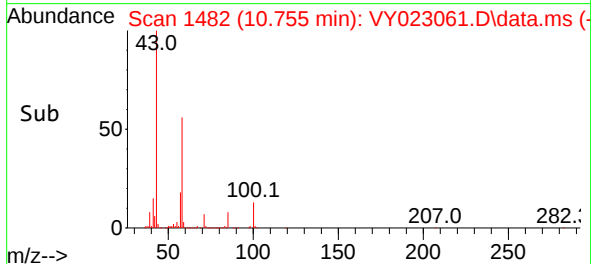
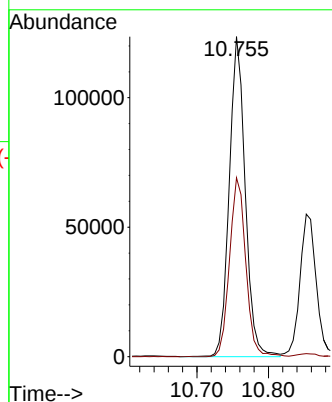
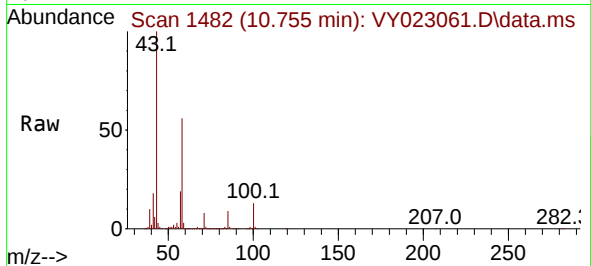




#59
2-Hexanone
Concen: 92.987 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

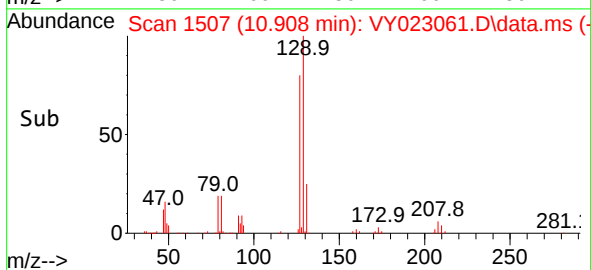
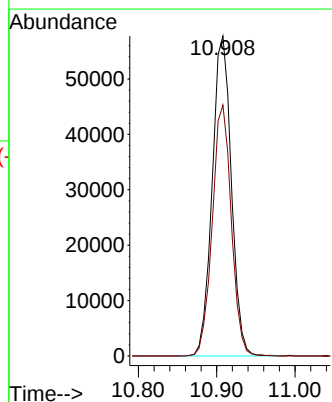
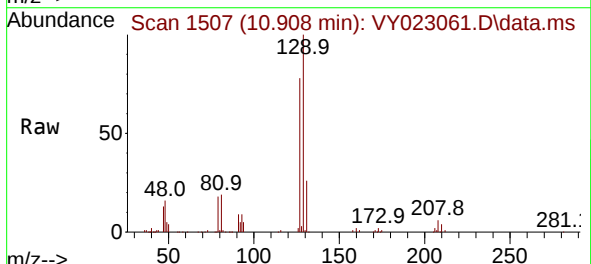
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

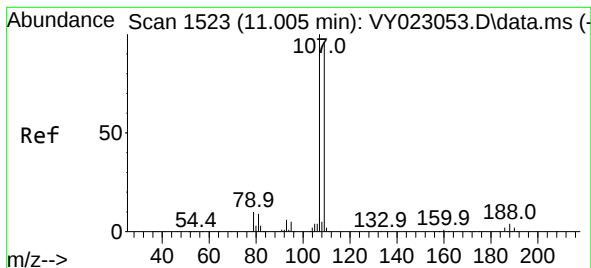
Tgt Ion: 43 Resp: 191315
Ion Ratio Lower Upper
43 100
58 57.0 29.5 88.5



#60
Dibromochloromethane
Concen: 19.755 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 129 Resp: 97950
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

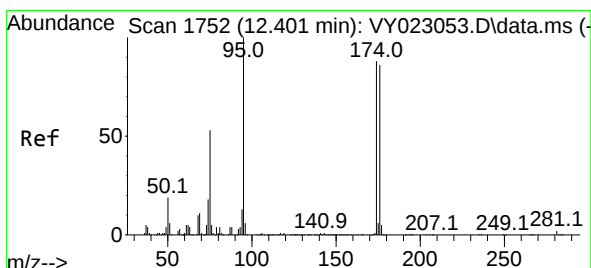
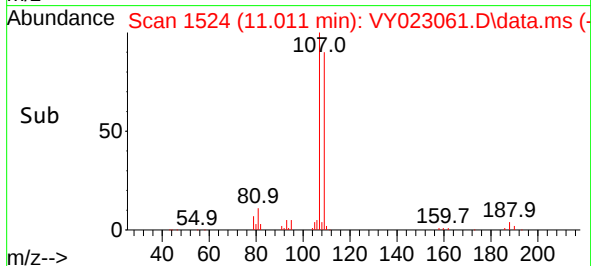
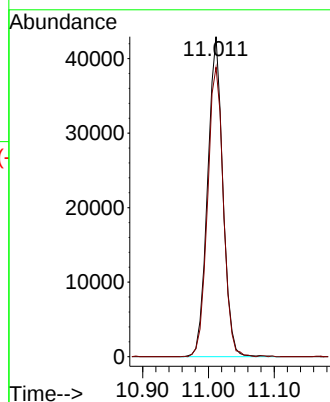
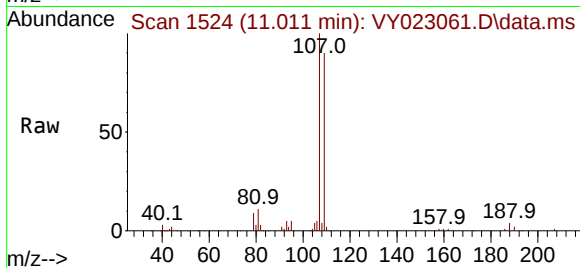




#61
1,2-Dibromoethane
Concen: 19.632 ug/l
RT: 11.011 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

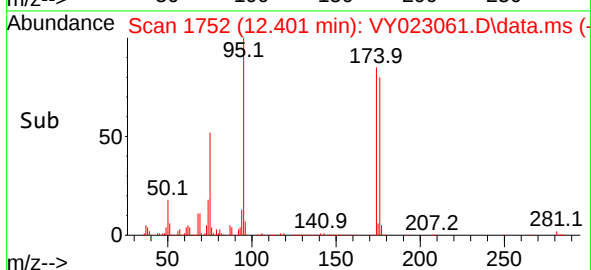
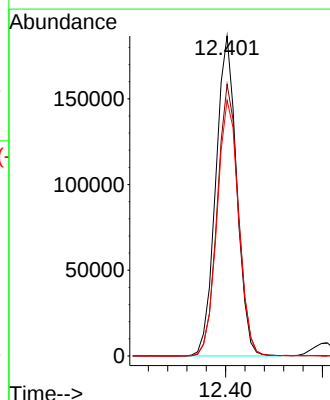
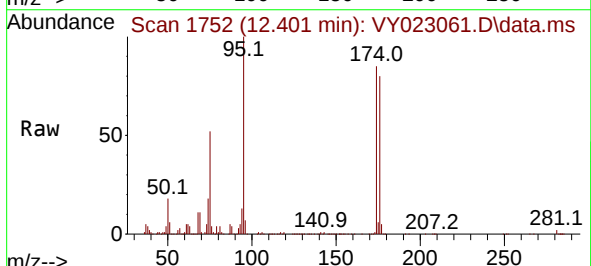
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

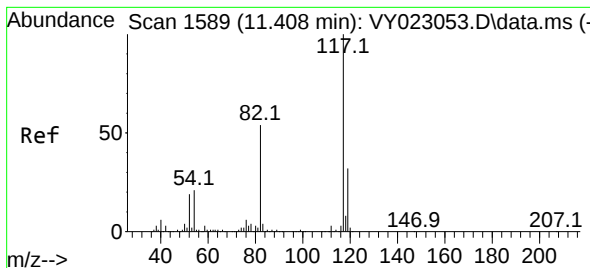
Tgt Ion:107 Resp: 69337
Ion Ratio Lower Upper
107 100
109 93.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 47.943 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 95 Resp: 279619
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.6
176 82.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

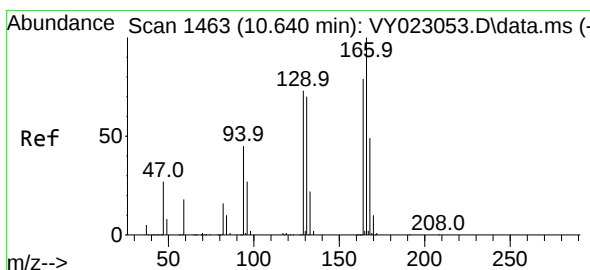
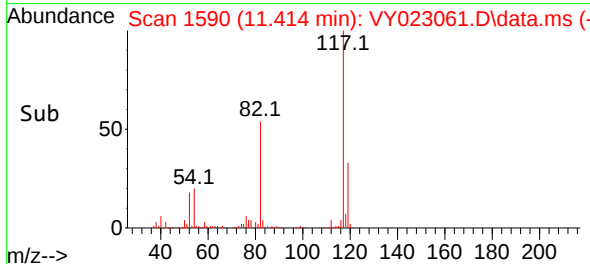
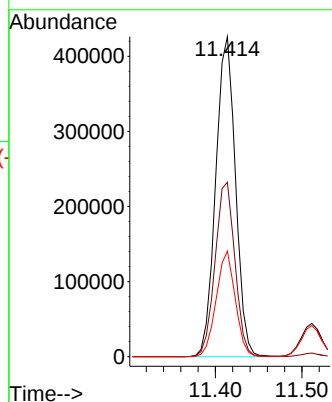
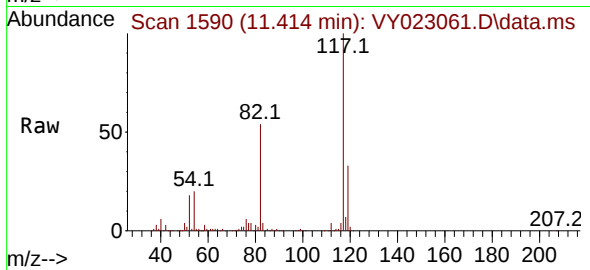
Tgt Ion:117 Resp: 675926

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 33.0 25.6 38.4



#64

Tetrachloroethene

Concen: 22.223 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Tgt Ion:164 Resp: 134131

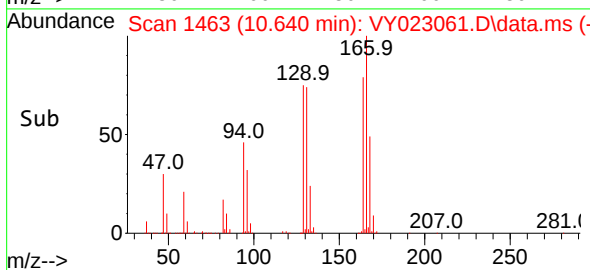
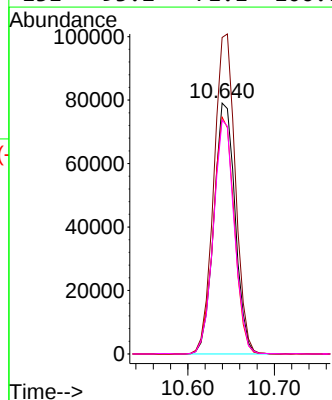
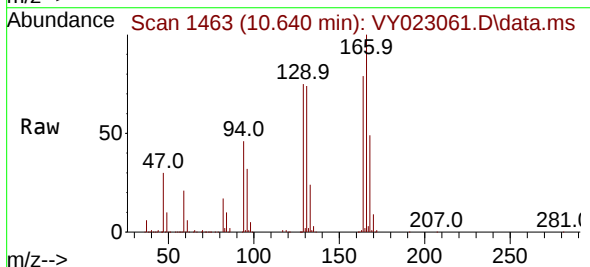
Ion Ratio Lower Upper

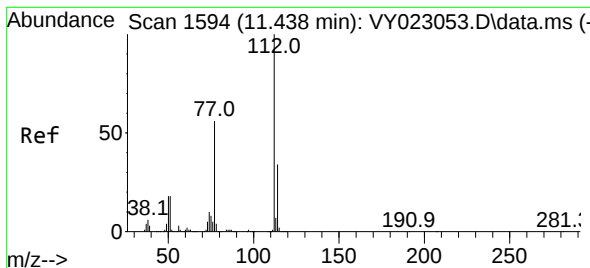
164 100

166 126.1 101.1 151.7

129 94.4 74.0 111.0

131 93.2 71.1 106.7





#65

Chlorobenzene

Concen: 20.431 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

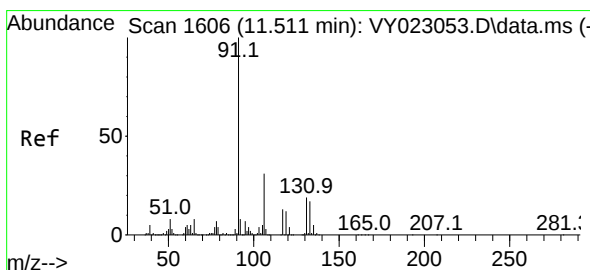
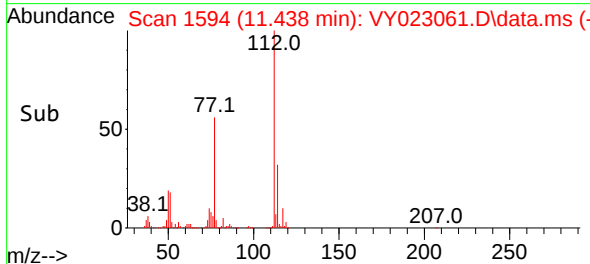
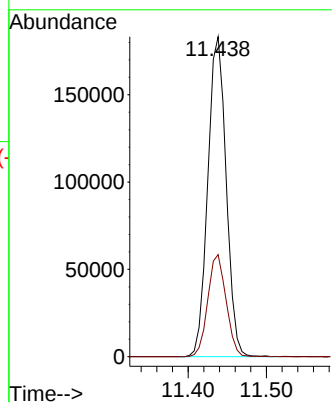
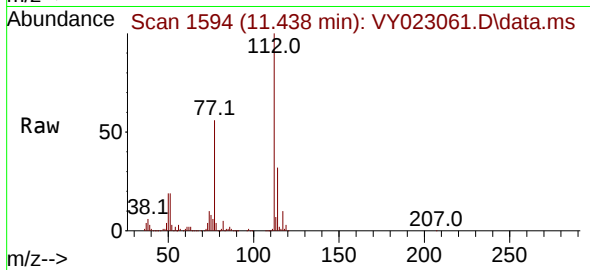
VY0813SBS01

Tgt Ion:112 Resp: 297874

Ion Ratio Lower Upper

112 100

114 31.9 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.592 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

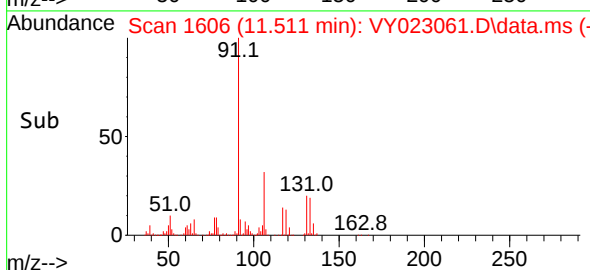
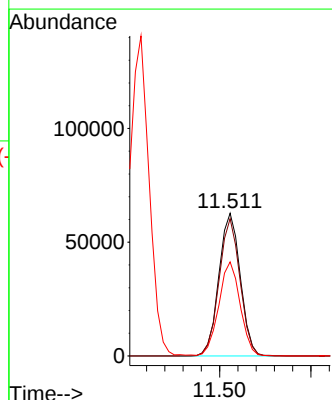
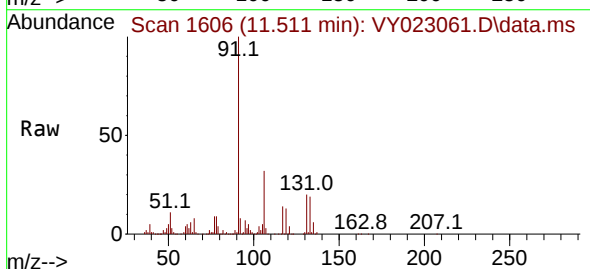
Tgt Ion:131 Resp: 101895

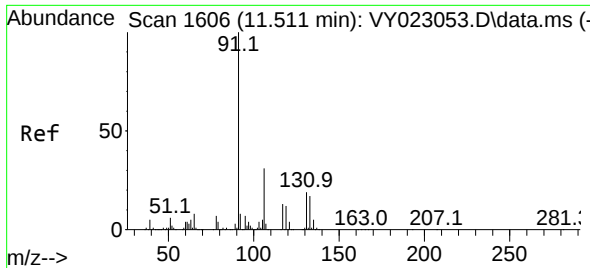
Ion Ratio Lower Upper

131 100

133 94.6 46.9 140.6

119 65.9 33.2 99.6

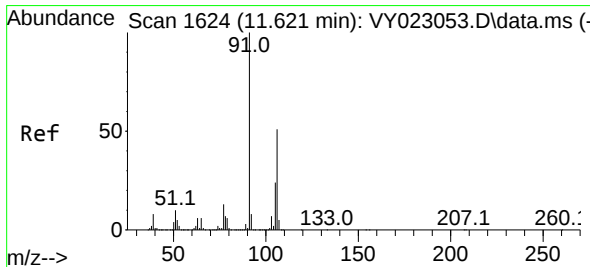
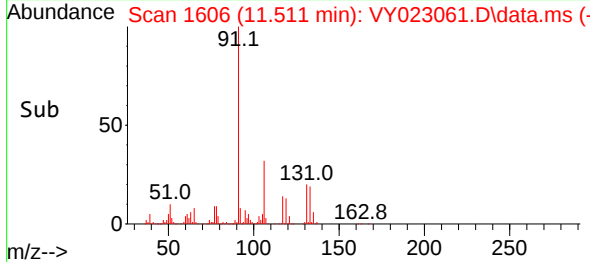
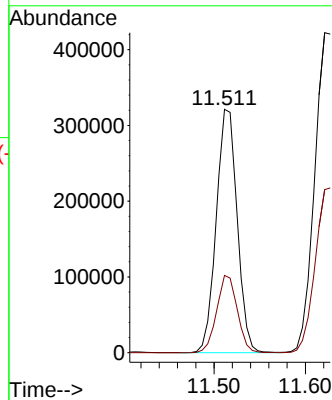
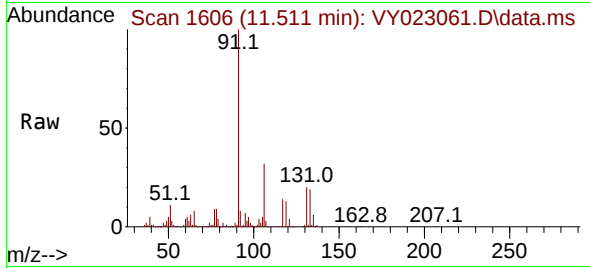




#67
Ethyl Benzene
Concen: 20.430 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

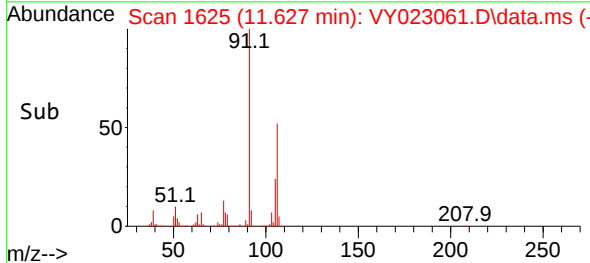
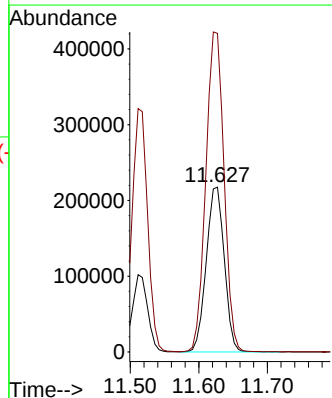
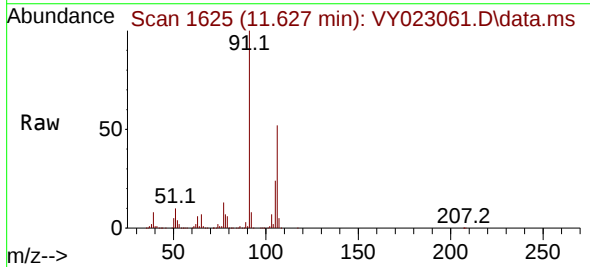
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

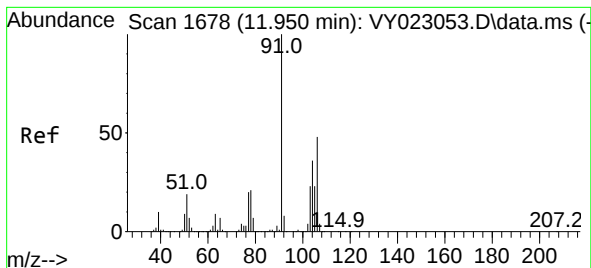
Tgt Ion: 91 Resp: 512586
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 40.752 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion:106 Resp: 399348
Ion Ratio Lower Upper
106 100
91 195.8 158.6 238.0

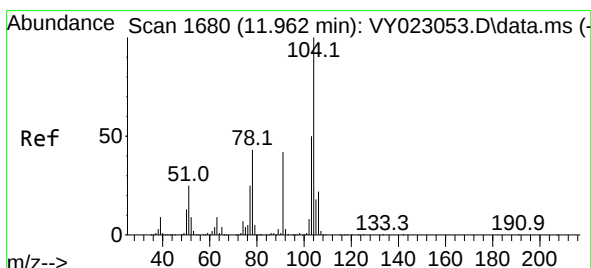
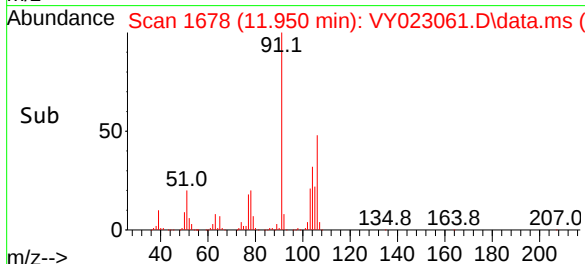
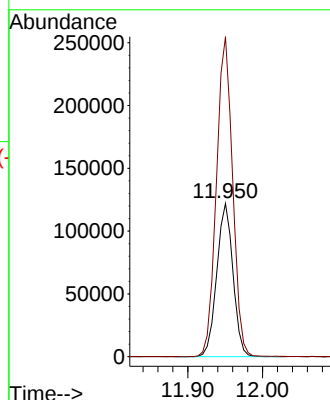
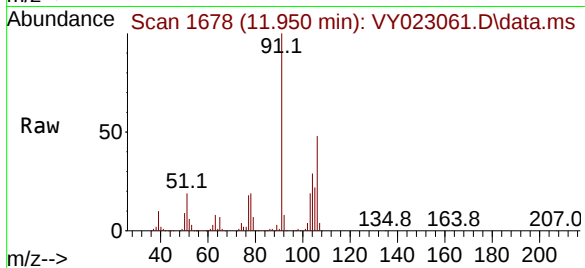




#69
o-Xylene
Concen: 20.065 ug/l
RT: 11.950 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

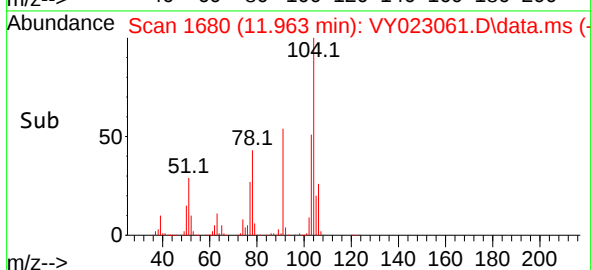
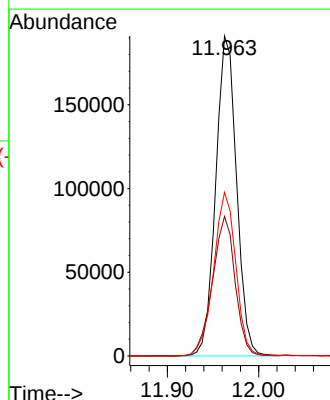
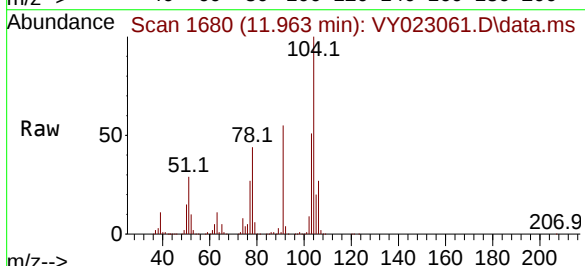
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion:106 Resp: 184155
Ion Ratio Lower Upper
106 100
91 209.2 103.2 309.4



#70
Styrene
Concen: 20.179 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion:104 Resp: 302870
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.5 43.7 65.5





#71

Bromoform

Concen: 19.039 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

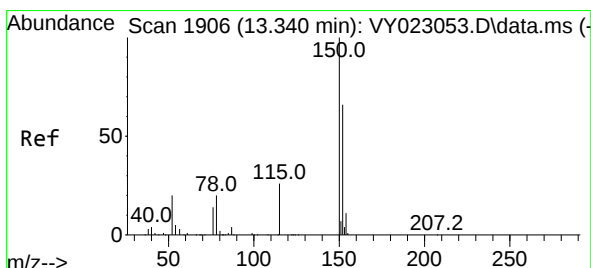
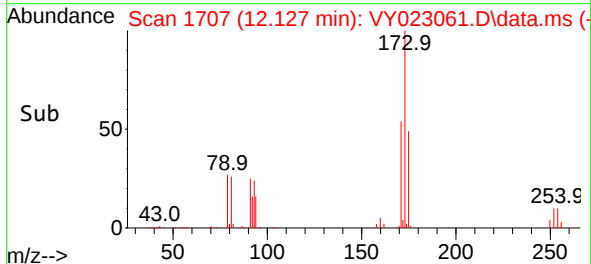
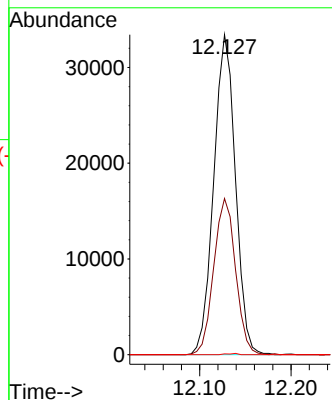
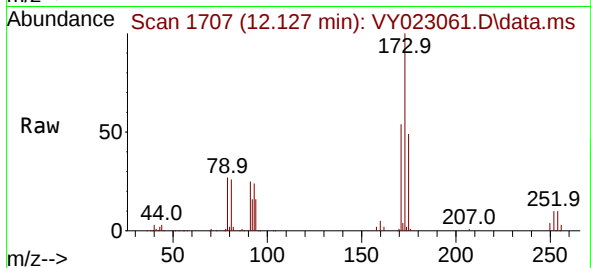
Tgt Ion:173 Resp: 55061

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

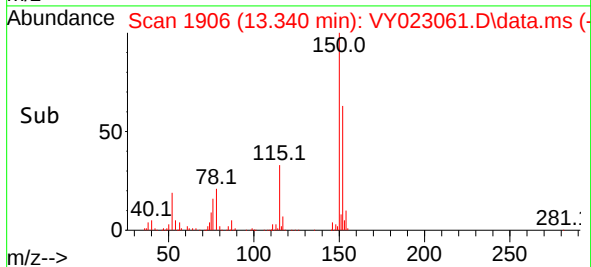
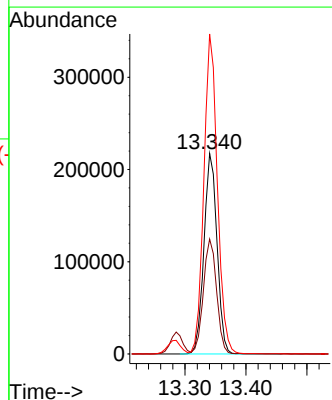
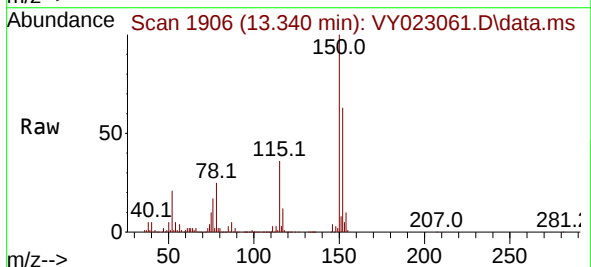
Tgt Ion:152 Resp: 325106

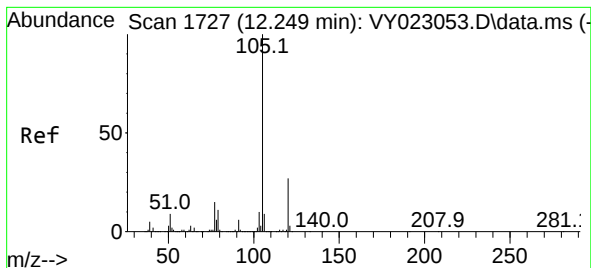
Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.6

150 164.8 0.0 348.0





#73

Isopropylbenzene

Concen: 20.975 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

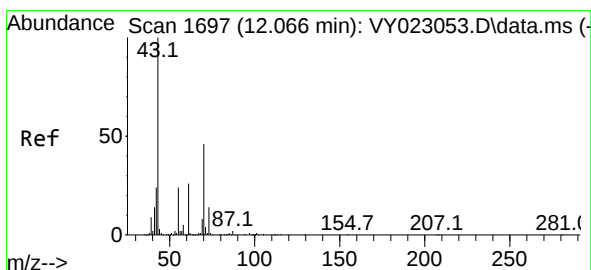
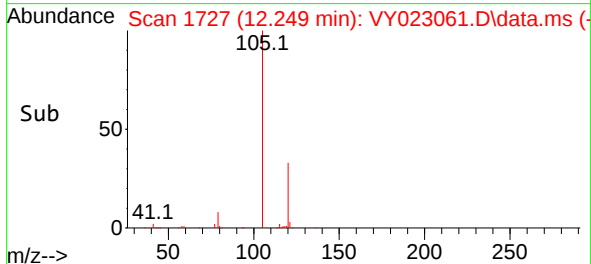
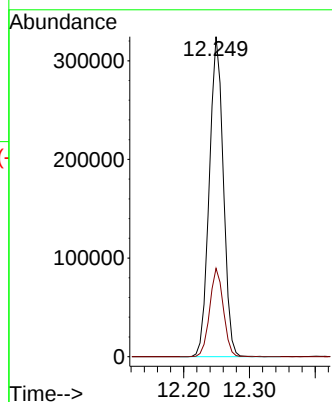
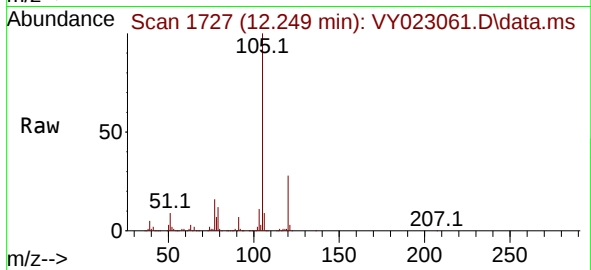
VY0813SBS01

Tgt Ion:105 Resp: 481276

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 19.346 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Tgt Ion: 43 Resp: 94137

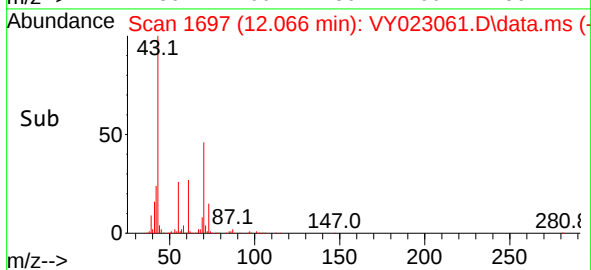
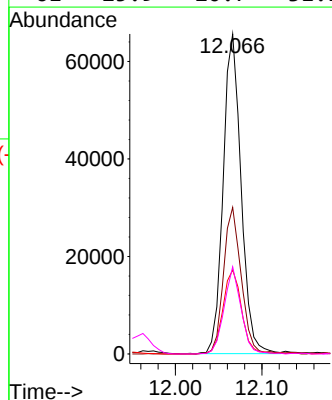
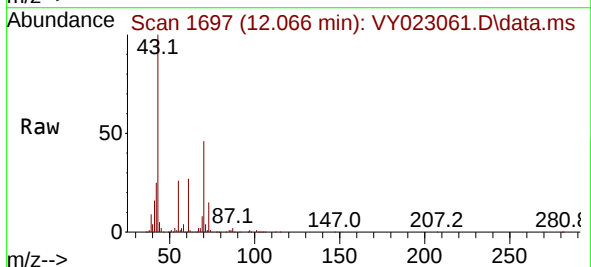
Ion Ratio Lower Upper

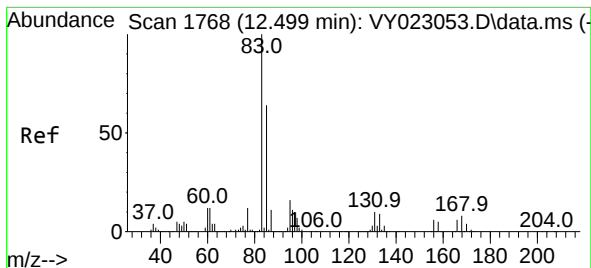
43 100

70 45.7 37.5 56.3

55 27.5 20.7 31.1

61 25.9 20.7 31.1

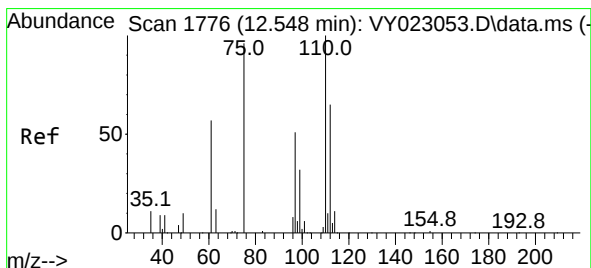
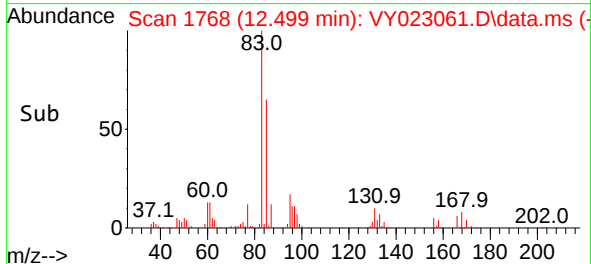
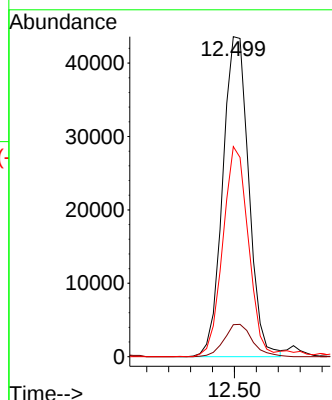
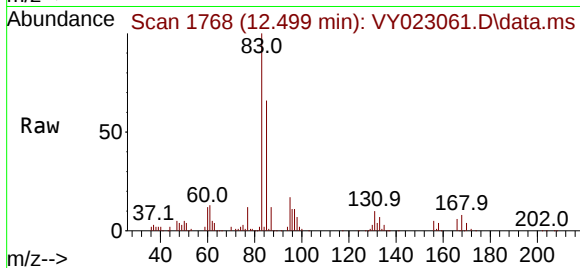




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.344 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

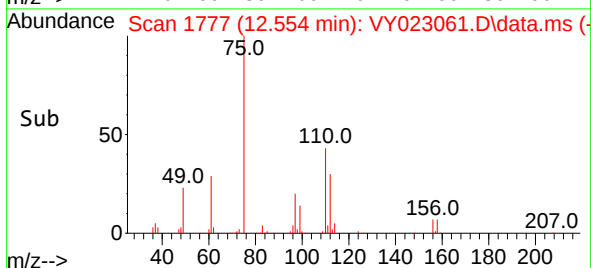
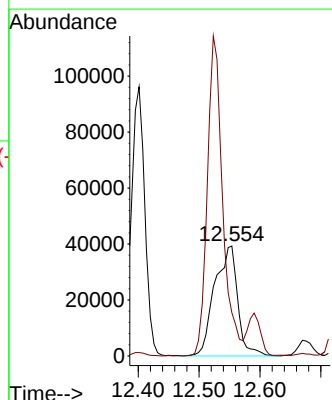
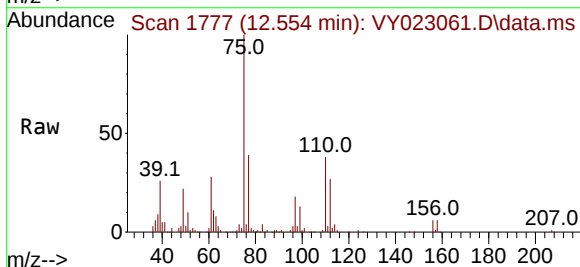
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

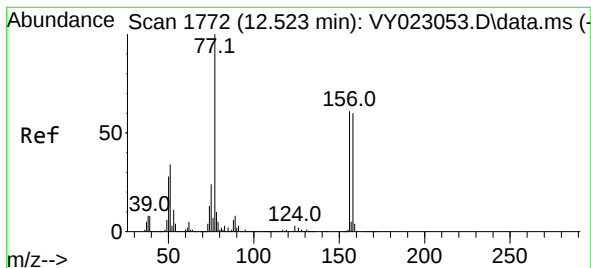
Tgt Ion: 83 Resp: 71870
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.1 15.3
 85 64.7 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 32.950 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

Tgt Ion: 75 Resp: 103385
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.369 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

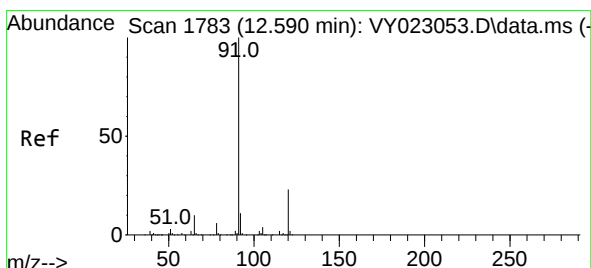
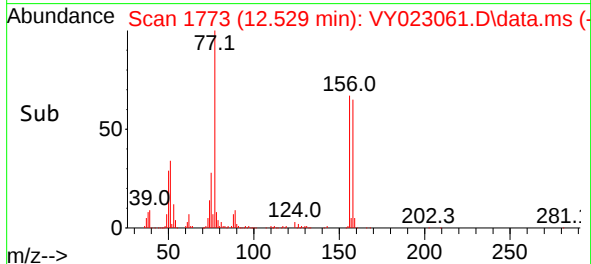
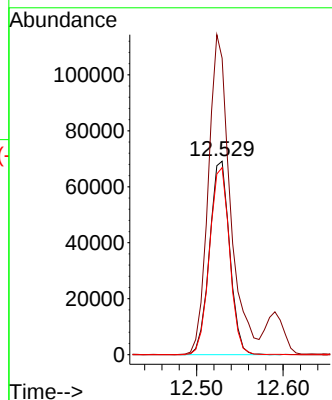
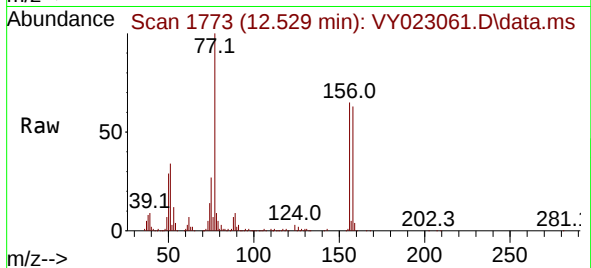
Tgt Ion:156 Resp: 111502

Ion Ratio Lower Upper

156 100

77 180.3 88.1 264.4

158 96.4 48.0 144.0



#78

n-propylbenzene

Concen: 21.291 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023061.D

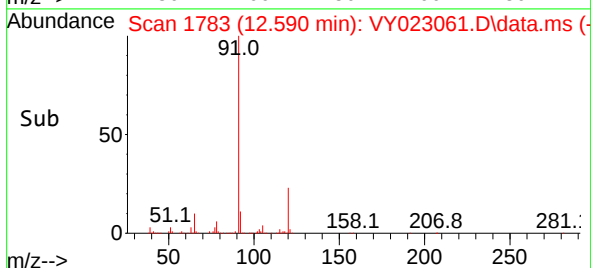
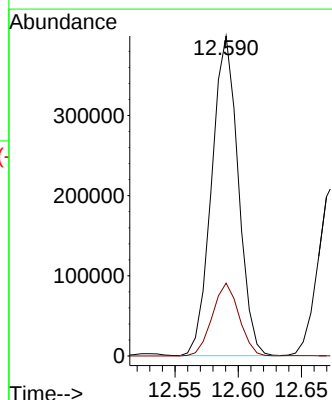
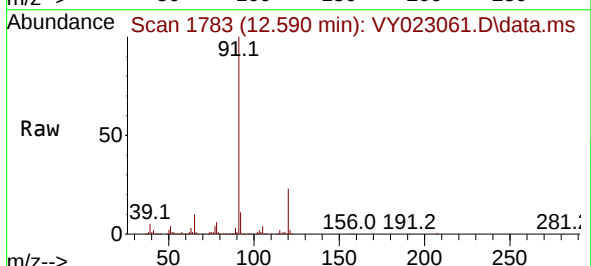
Acq: 13 Aug 2025 11:09

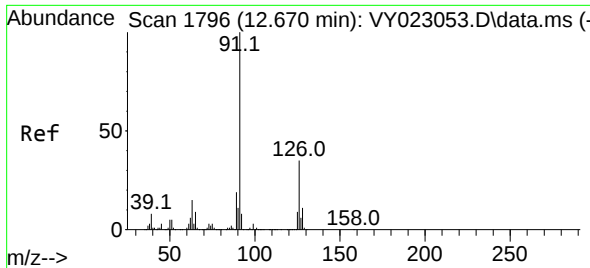
Tgt Ion: 91 Resp: 581635

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5

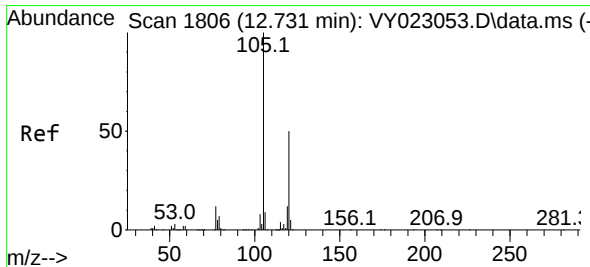
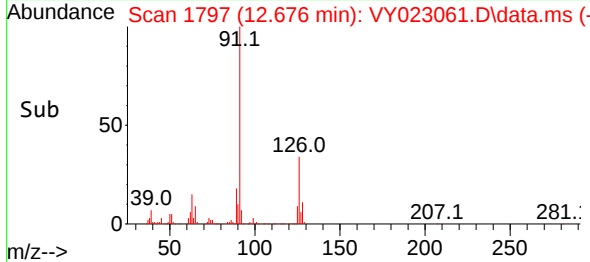
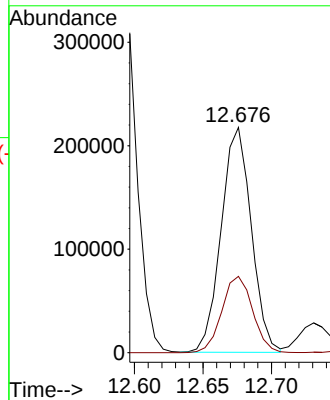
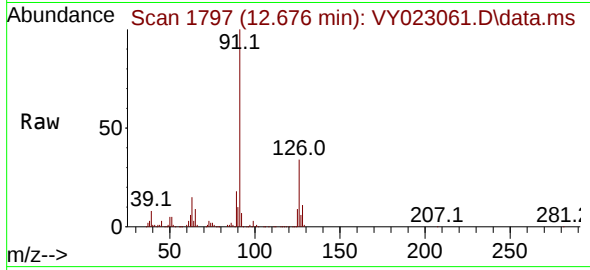




#79
2-Chlorotoluene
Concen: 21.244 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

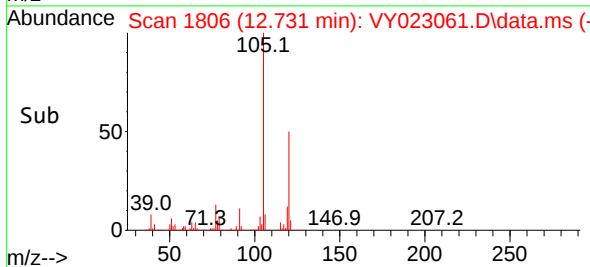
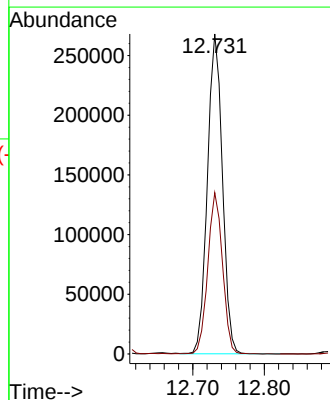
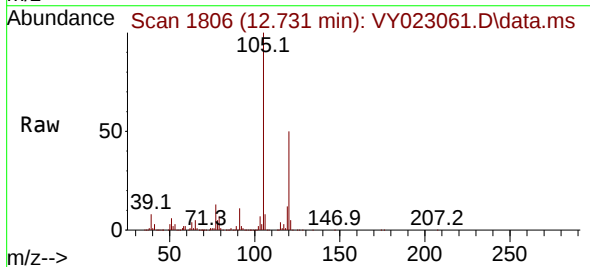
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

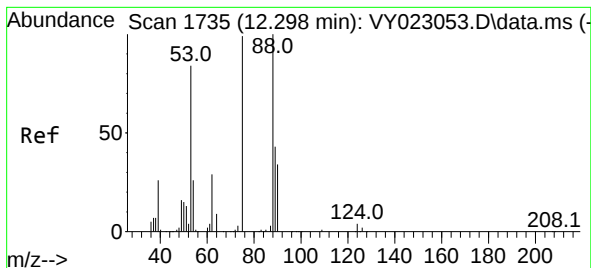
Tgt Ion: 91 Resp: 332511
Ion Ratio Lower Upper
91 100
126 34.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 21.055 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 105 Resp: 390462
Ion Ratio Lower Upper
105 100
120 49.4 24.8 74.4

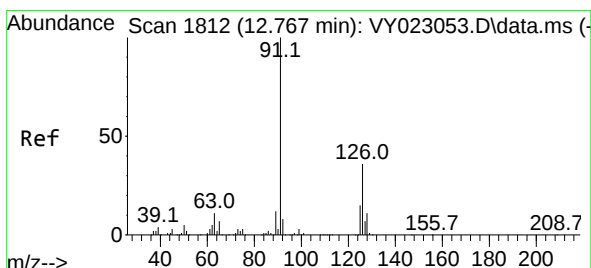
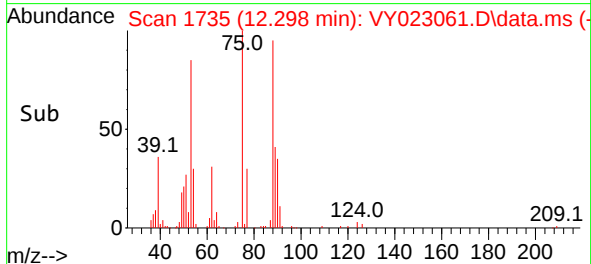
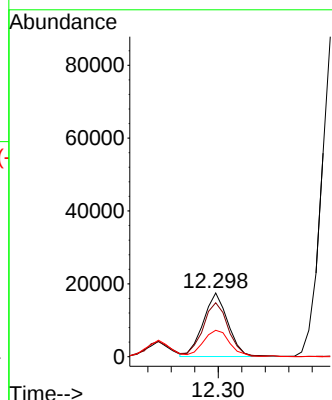
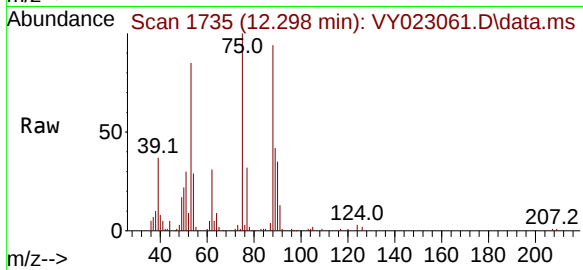




#81
trans-1,4-Dichloro-2-butene
Concen: 19.514 ug/l
RT: 12.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

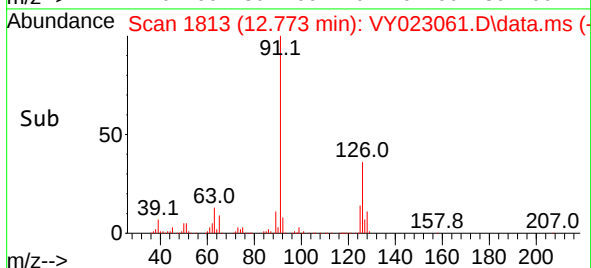
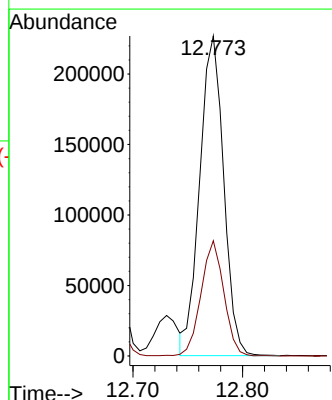
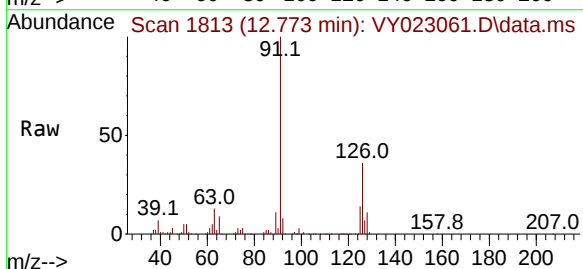
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

Tgt Ion: 75 Resp: 25293
Ion Ratio Lower Upper
75 100
53 88.0 70.8 106.2
89 43.7 38.1 57.1



#82
4-Chlorotoluene
Concen: 21.176 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion: 91 Resp: 343845
Ion Ratio Lower Upper
91 100
126 34.5 17.3 52.0

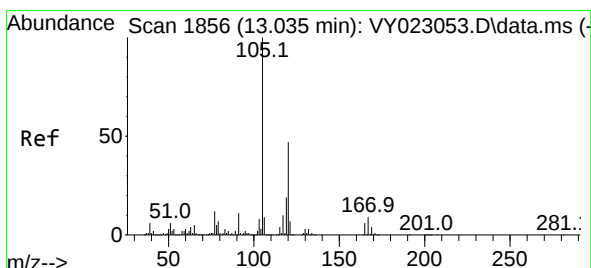
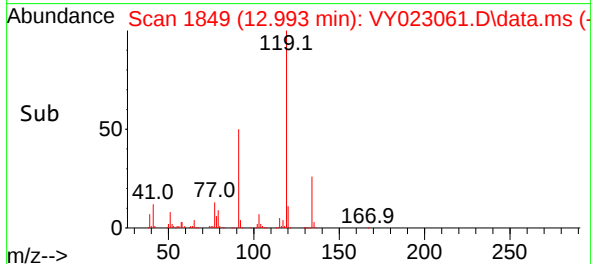
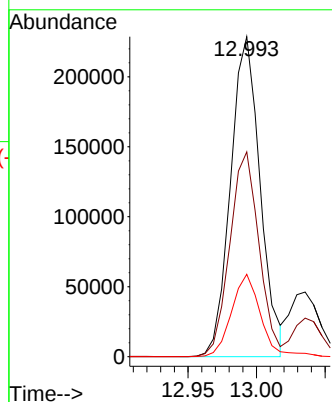
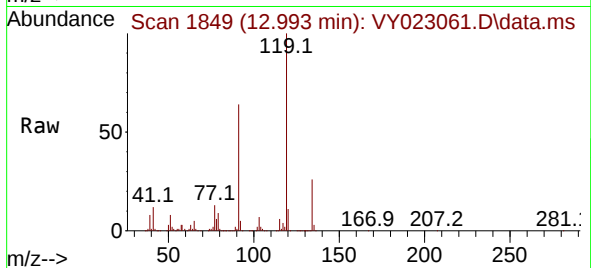




#83
tert-Butylbenzene
Concen: 20.545 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

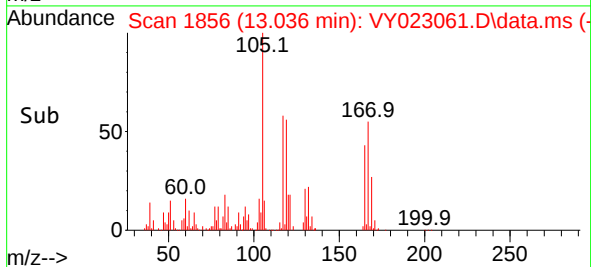
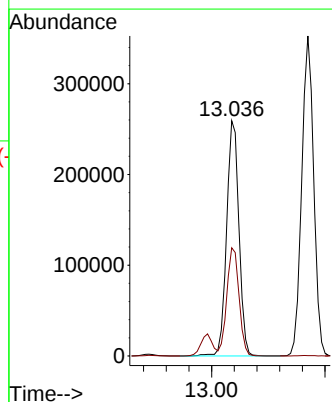
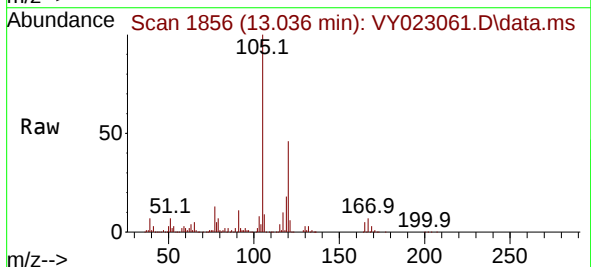
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

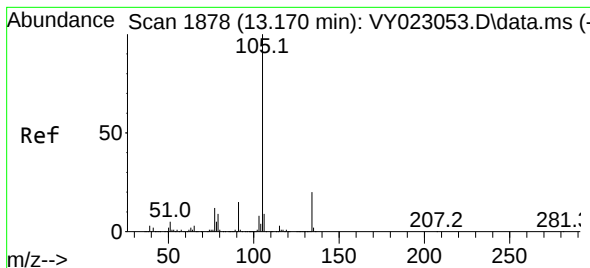
Tgt Ion:119 Resp: 344106
Ion Ratio Lower Upper
119 100
91 63.0 31.6 94.8
134 25.4 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 21.128 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion:105 Resp: 390034
Ion Ratio Lower Upper
105 100
120 45.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.962 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

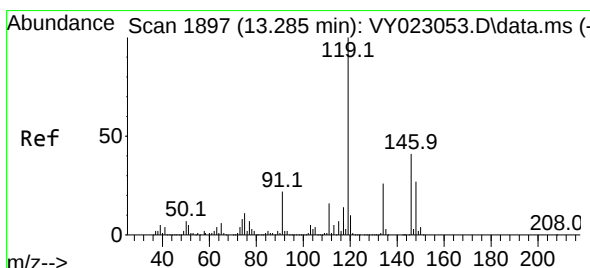
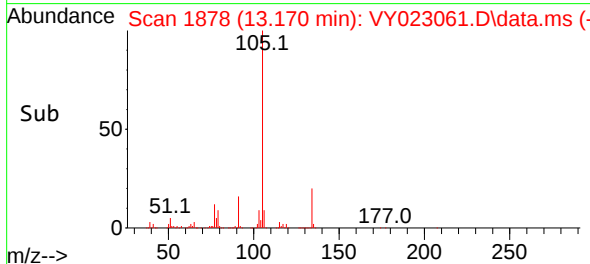
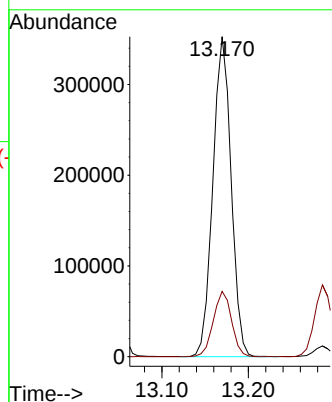
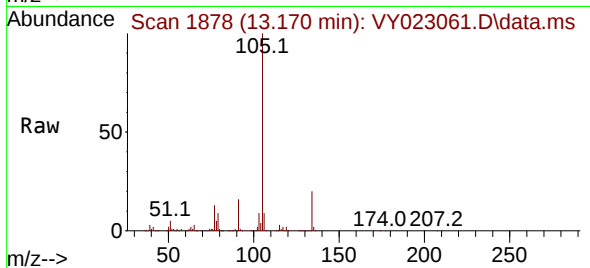
VY0813SBS01

Tgt Ion:105 Resp: 515732

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.904 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

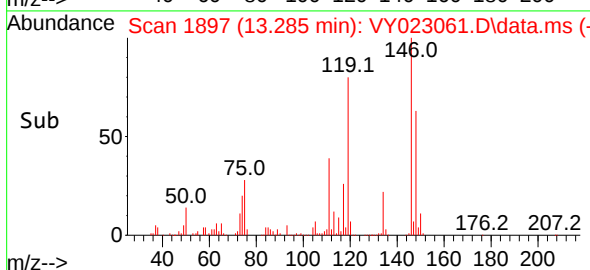
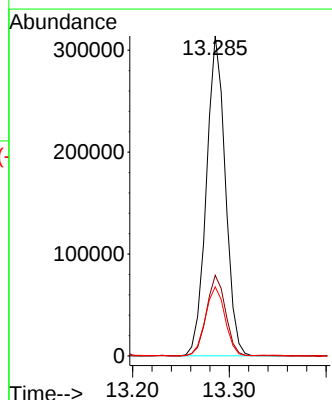
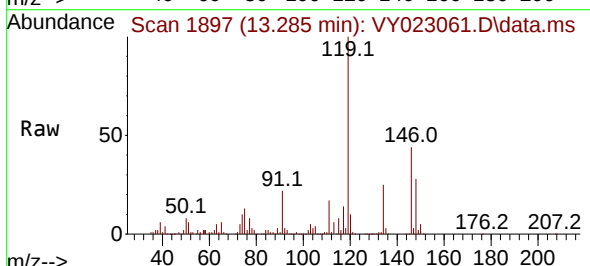
Tgt Ion:119 Resp: 426905

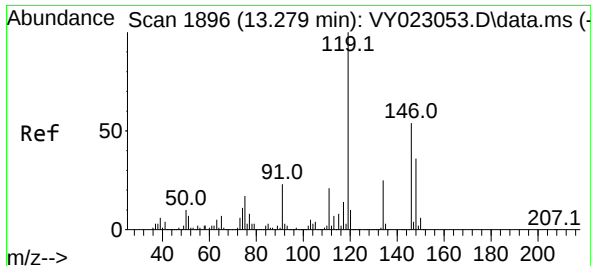
Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.6

91 22.3 11.3 33.8

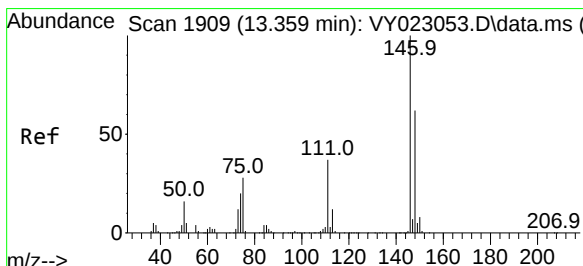
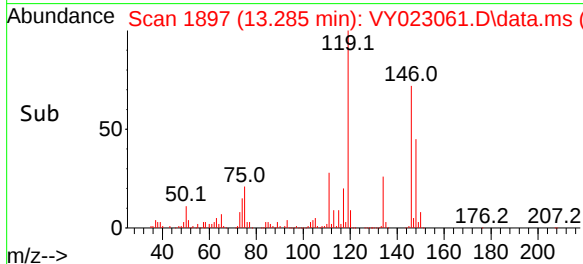
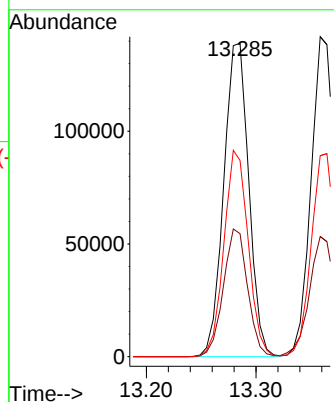
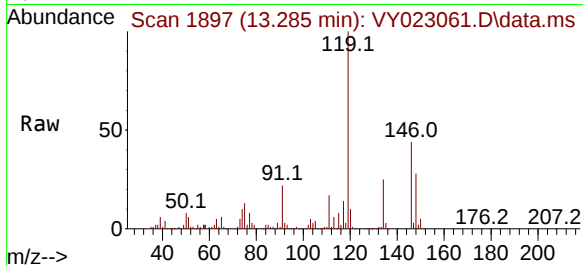




#87
1,3-Dichlorobenzene
Concen: 20.420 ug/l
RT: 13.285 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

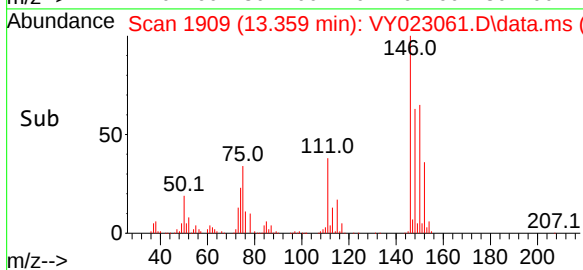
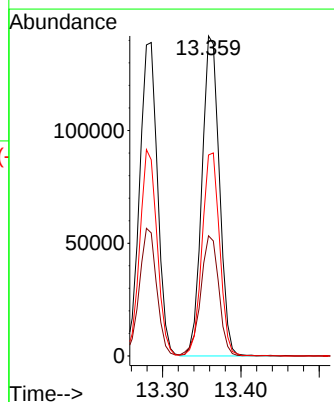
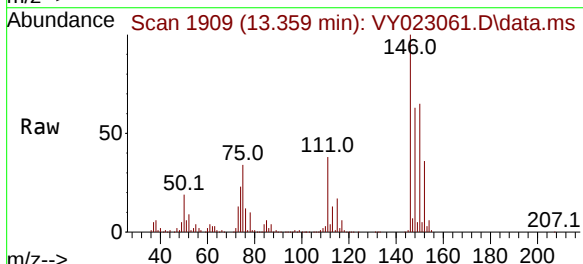
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBS01

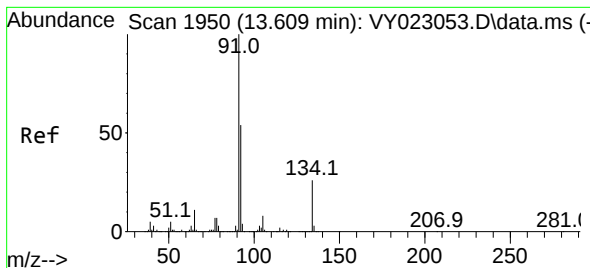
Tgt Ion:146 Resp: 220435
Ion Ratio Lower Upper
146 100
111 39.5 19.6 58.7
148 63.9 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 20.520 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY023061.D
Acq: 13 Aug 2025 11:09

Tgt Ion:146 Resp: 219736
Ion Ratio Lower Upper
146 100
111 38.9 19.1 57.1
148 63.8 31.6 94.7





#89

n-Butylbenzene

Concen: 20.823 ug/l

RT: 13.615 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

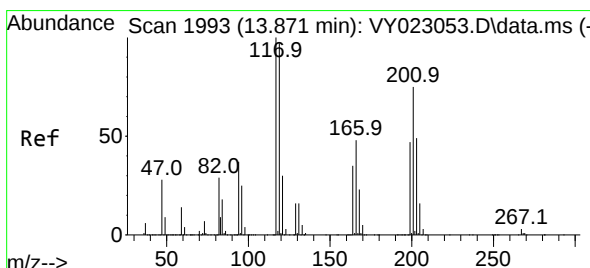
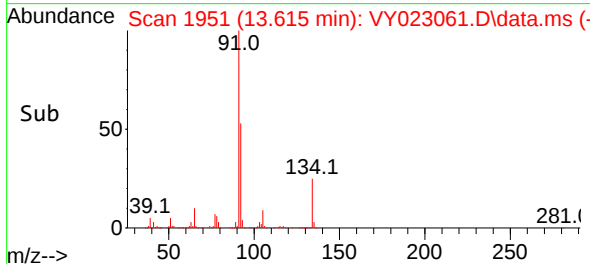
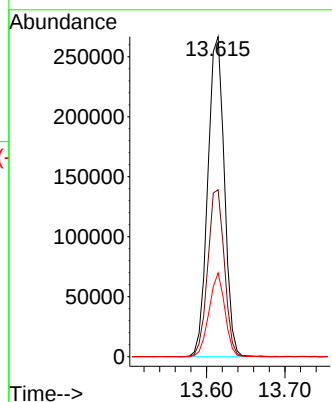
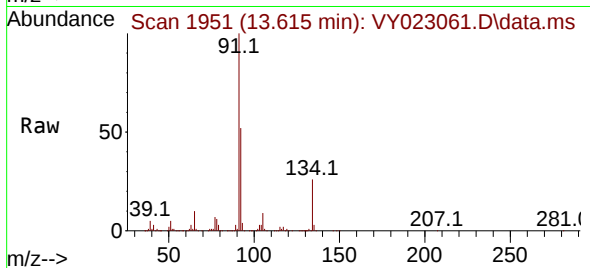
Tgt Ion: 91 Resp: 390572

Ion Ratio Lower Upper

91 100

92 52.4 26.9 80.7

134 25.0 13.2 39.5



#90

Hexachloroethane

Concen: 21.398 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023061.D

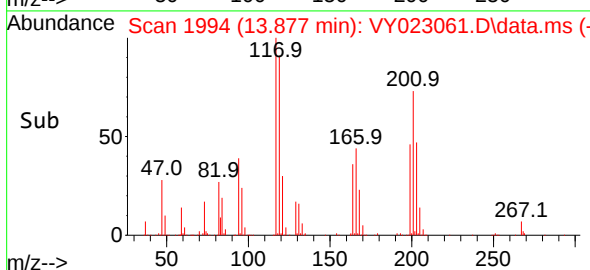
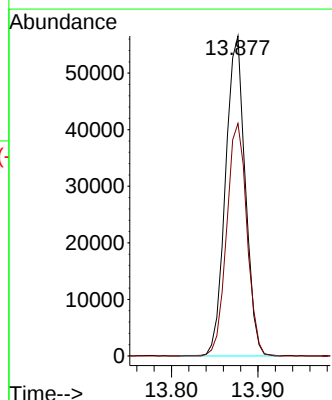
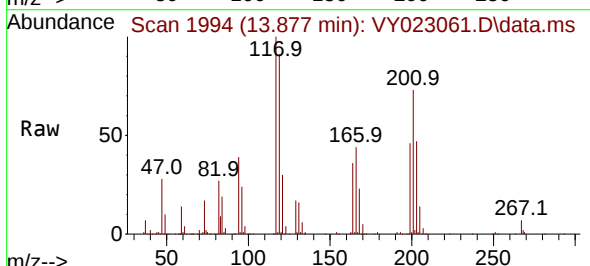
Acq: 13 Aug 2025 11:09

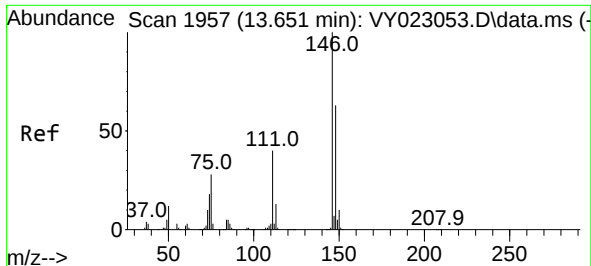
Tgt Ion: 117 Resp: 89456

Ion Ratio Lower Upper

117 100

201 74.6 38.4 115.1

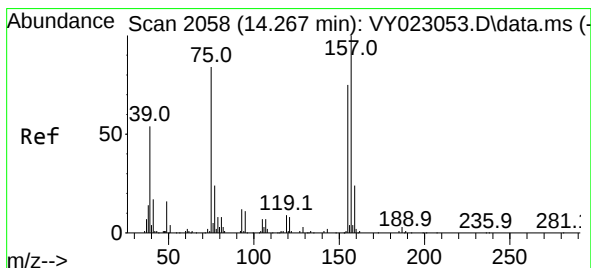
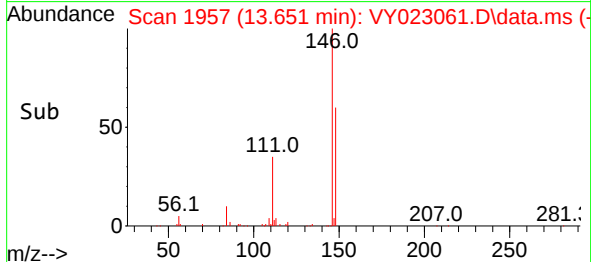
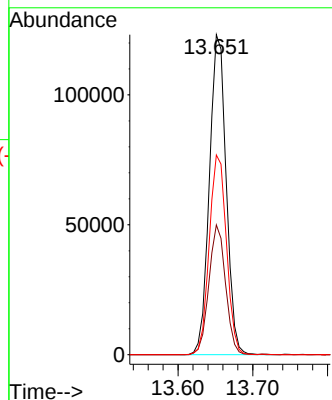
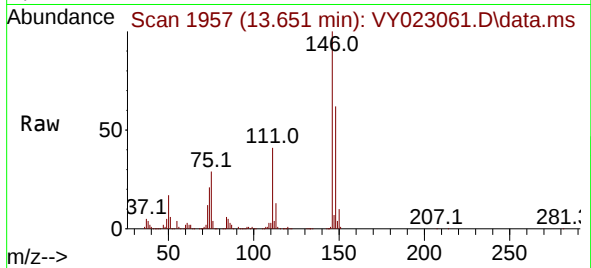




#91
 1,2-Dichlorobenzene
 Concen: 20.262 ug/l
 RT: 13.651 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

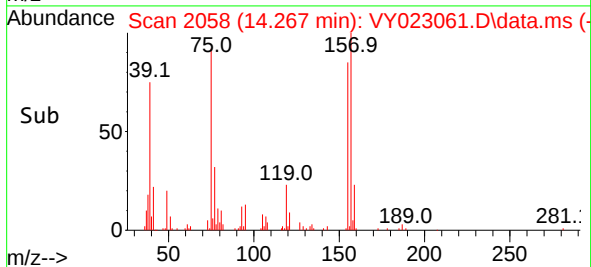
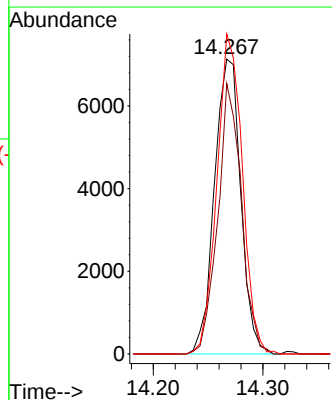
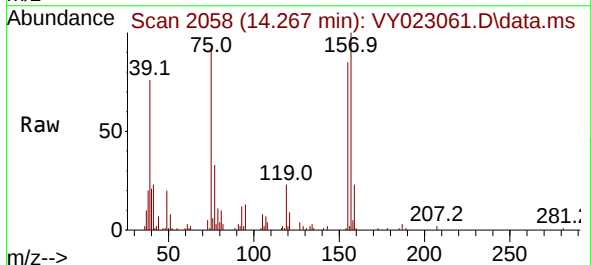
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Tgt Ion:146 Resp: 191827
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.8
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.477 ug/l
 RT: 14.267 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: VY023061.D
 Acq: 13 Aug 2025 11:09

Tgt Ion: 75 Resp: 11881
 Ion Ratio Lower Upper
 75 100
 155 82.7 43.9 131.6
 157 105.1 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 18.915 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

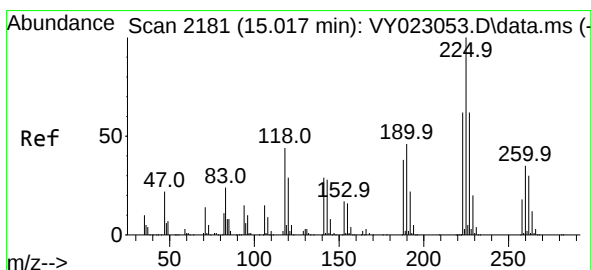
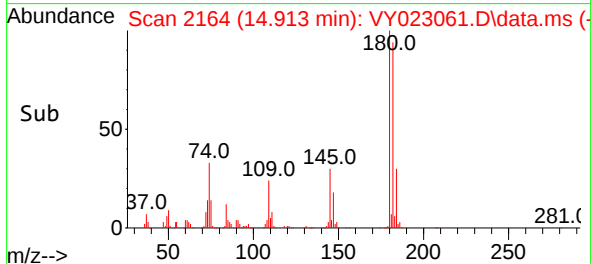
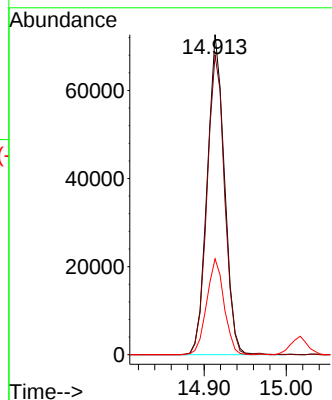
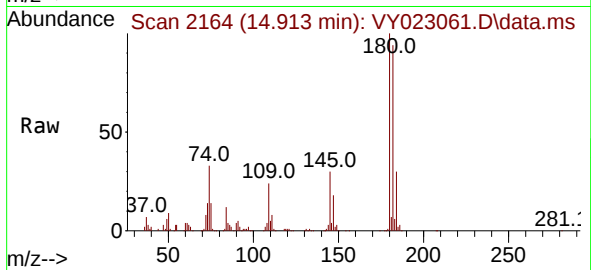
Tgt Ion:180 Resp: 105900

Ion Ratio Lower Upper

180 100

182 95.1 46.8 140.4

145 30.1 14.4 43.4



#94

Hexachlorobutadiene

Concen: 20.089 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

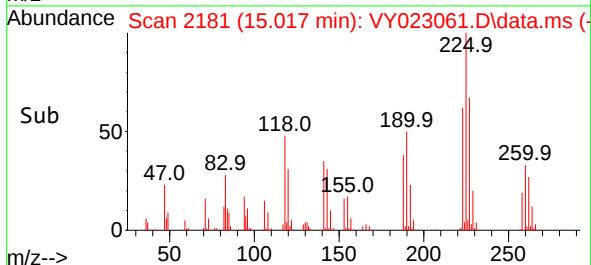
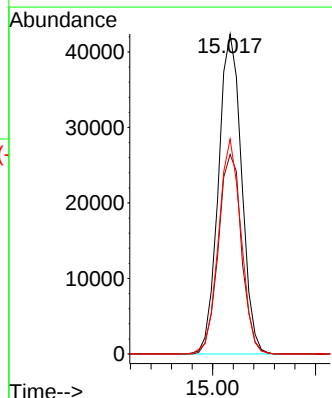
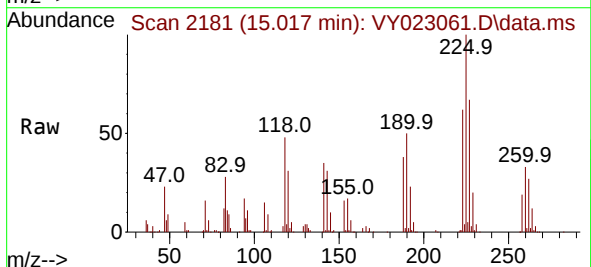
Tgt Ion:225 Resp: 66091

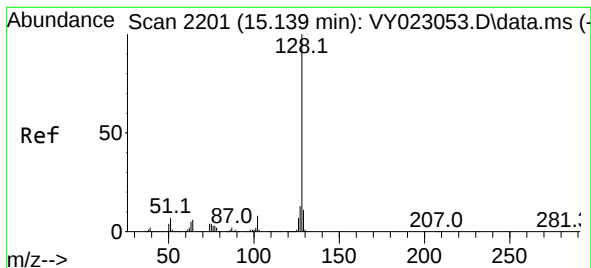
Ion Ratio Lower Upper

225 100

223 62.7 31.3 93.8

227 65.3 31.5 94.5





#95

Naphthalene

Concen: 16.980 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBS01

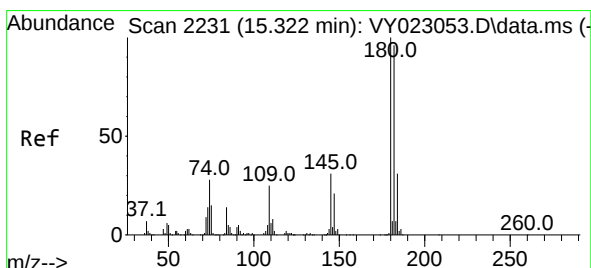
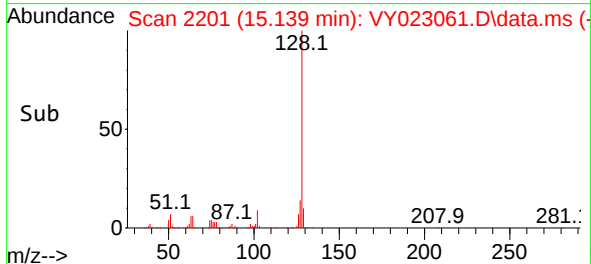
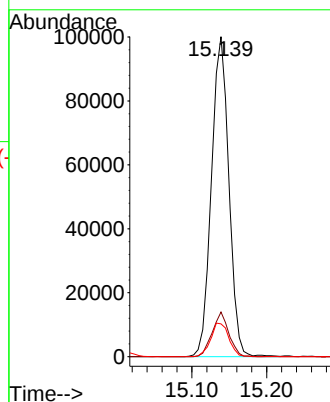
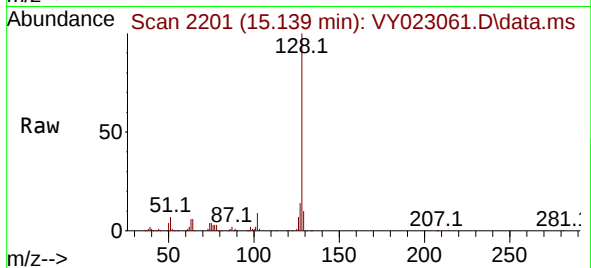
Tgt Ion:128 Resp: 162104

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.0 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 18.463 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023061.D

Acq: 13 Aug 2025 11:09

Tgt Ion:180 Resp: 89070

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.7

145 31.4 15.9 47.7

