

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023164.D
 Acq On : 20 Aug 2025 10:24
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:36:47 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	459555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	730484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	640306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	323804	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208166	47.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.060%
35) Dibromofluoromethane	7.634	113	217247	49.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.103	98	848402	49.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.402	95	261400	47.601	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	79053	21.074	ug/l	98
3) Chloromethane	2.074	50	130929	21.550	ug/l	100
4) Vinyl Chloride	2.208	62	164087	21.848	ug/l	99
5) Bromomethane	2.592	94	138095	24.621	ug/l	98
6) Chloroethane	2.733	64	110112	22.053	ug/l	98
7) Trichlorofluoromethane	3.056	101	190344	20.843	ug/l	99
8) Diethyl Ether	3.458	74	45992	19.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	94641	21.006	ug/l	100
10) Methyl Iodide	4.007	142	93165	19.163	ug/l	97
11) Tert butyl alcohol	4.854	59	25336	84.424	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	91227	20.600	ug/l	91
13) Acrolein	3.653	56	30908	70.324	ug/l	96
14) Allyl chloride	4.385	41	123764	18.993	ug/l	99
15) Acrylonitrile	5.068	53	92487	94.158	ug/l	99
16) Acetone	3.867	43	108385	114.225	ug/l	97
17) Carbon Disulfide	4.104	76	291923	20.217	ug/l	97
18) Methyl Acetate	4.385	43	52896	18.733	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	213430	18.599	ug/l	98
20) Methylene Chloride	4.610	84	105212	19.691	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	101756	20.447	ug/l	99
22) Diisopropyl ether	6.019	45	274076	19.356	ug/l	93
23) Vinyl Acetate	5.964	43	713664	91.149	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176815	20.424	ug/l	98
25) 2-Butanone	6.896	43	128976	99.942	ug/l	99
26) 2,2-Dichloropropane	6.878	77	152419	20.404	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	117267	20.382	ug/l	97
28) Bromochloromethane	7.244	49	68297	19.885	ug/l	98
29) Tetrahydrofuran	7.262	42	70670	88.345	ug/l	99
30) Chloroform	7.421	83	187434	20.993	ug/l	97
31) Cyclohexane	7.701	56	154414	18.928	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	163289	20.612	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131556	20.252	ug/l	99
37) Ethyl Acetate	6.982	43	50678	18.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	146099	20.707	ug/l	97
39) Methylcyclohexane	9.109	83	161897	18.926	ug/l	99
40) Benzene	8.079	78	413672	20.662	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	28288	17.963	ug/l	96
42) 1,2-Dichloroethane	8.158	62	102487	19.682	ug/l	99
43) Isopropyl Acetate	8.195	43	95562	17.327	ug/l	98
44) Trichloroethene	8.866	130	109999	21.260	ug/l	98
45) 1,2-Dichloropropane	9.140	63	93662	20.332	ug/l	97
46) Dibromomethane	9.231	93	53516	20.240	ug/l	99
47) Bromodichloromethane	9.420	83	139120	20.448	ug/l	96
48) Methyl methacrylate	9.219	41	46693	17.692	ug/l	98
49) 1,4-Dioxane	9.225	88	11384	367.192	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	254313	89.392	ug/l	100
52) Toluene	10.170	92	260797	20.509	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	119277	19.360	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	143792	19.737	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	72658	20.536	ug/l	99
56) Ethyl methacrylate	10.439	69	78424	17.322	ug/l	99
57) 1,3-Dichloropropane	10.719	76	118529	19.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	197822	92.633	ug/l	99
59) 2-Hexanone	10.762	43	181841	93.868	ug/l	99
60) Dibromochloromethane	10.908	129	94101	20.157	ug/l	98
61) 1,2-Dibromoethane	11.012	107	66546	20.011	ug/l	99
64) Tetrachloroethene	10.646	164	128497	22.474	ug/l	98
65) Chlorobenzene	11.438	112	281033	20.348	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.512	131	95804	20.438	ug/l	97
67) Ethyl Benzene	11.518	91	468705	19.720	ug/l	98
68) m/p-Xylenes	11.627	106	374257	40.317	ug/l	97
69) o-Xylene	11.950	106	169335	19.476	ug/l	97
70) Styrene	11.969	104	286037	20.117	ug/l	98
71) Bromoform	12.133	173	53523	19.537	ug/l #	98
73) Isopropylbenzene	12.255	105	442733	19.372	ug/l	100
74) N-amyl acetate	12.066	43	78737	16.246	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	68865	17.648	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	97193	31.101	ug/l #	100
77) Bromobenzene	12.530	156	105703	19.387	ug/l	98
78) n-propylbenzene	12.591	91	535326	19.675	ug/l	99
79) 2-Chlorotoluene	12.676	91	309392	19.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	363677	19.690	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22178	17.179	ug/l	95
82) 4-Chlorotoluene	12.773	91	317186	19.613	ug/l	99
83) tert-Butylbenzene	12.993	119	325943	19.539	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	364461	19.822	ug/l	100
85) sec-Butylbenzene	13.170	105	484397	19.767	ug/l	100
86) p-Isopropyltoluene	13.292	119	402765	19.801	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	218878	20.357	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	213060	19.976	ug/l	98
89) n-Butylbenzene	13.615	91	360095	19.275	ug/l	99
90) Hexachloroethane	13.877	117	83702	20.102	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	185391	19.661	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10613	17.468	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	101300	18.167	ug/l	97
94) Hexachlorobutadiene	15.023	225	64526	19.692	ug/l	100
95) Naphthalene	15.145	128	151141	15.895	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	88110	18.337	ug/l	97

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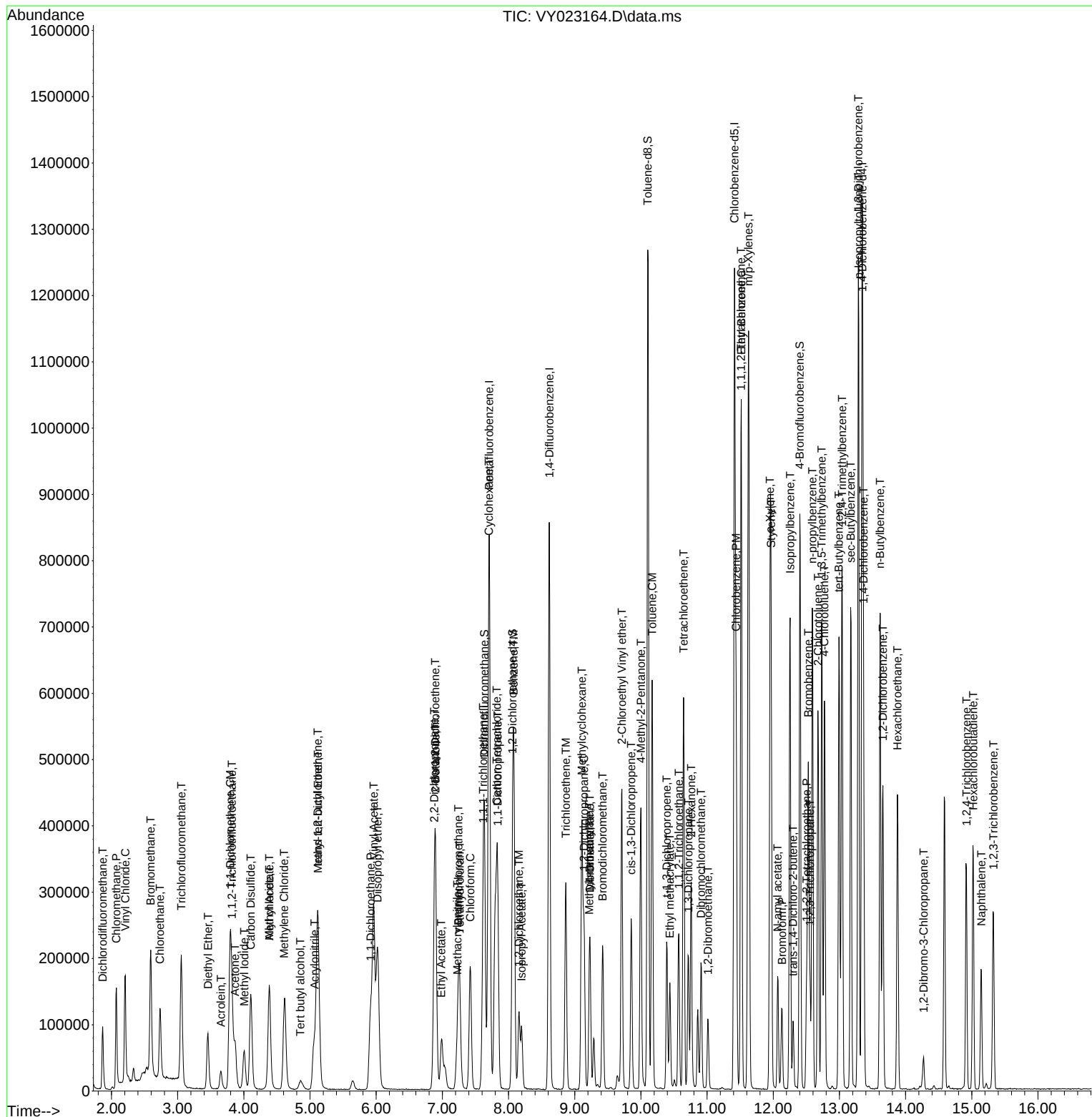
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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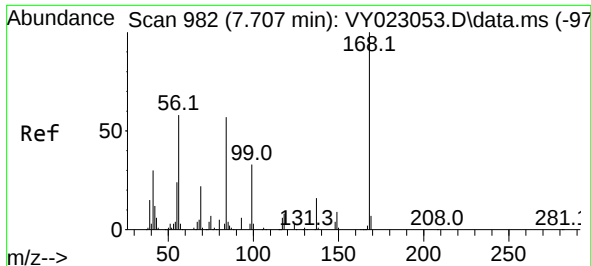
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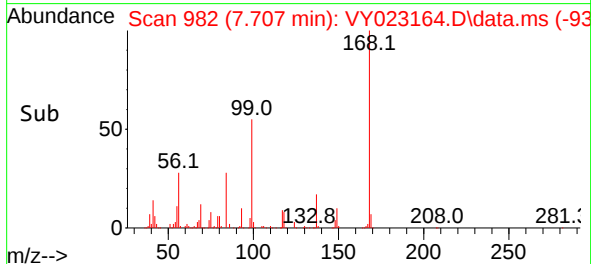
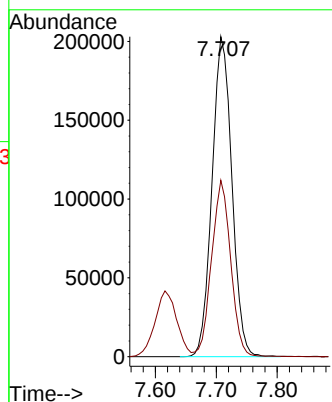
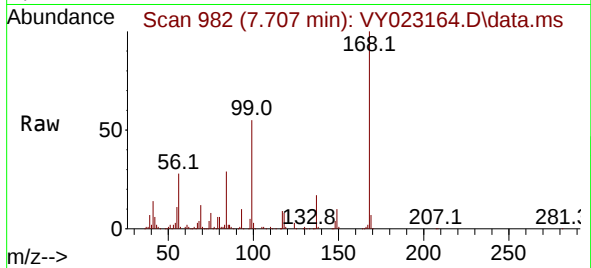




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023164.D
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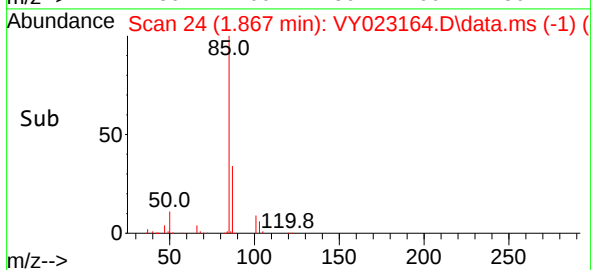
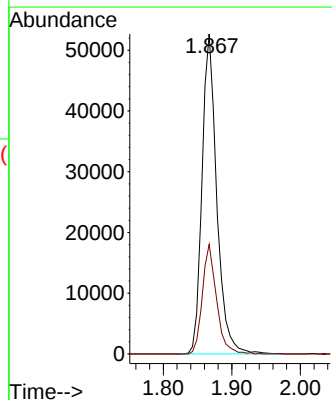
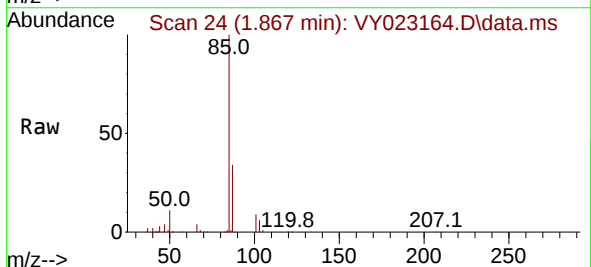
Instrument :
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ClientSampleId :

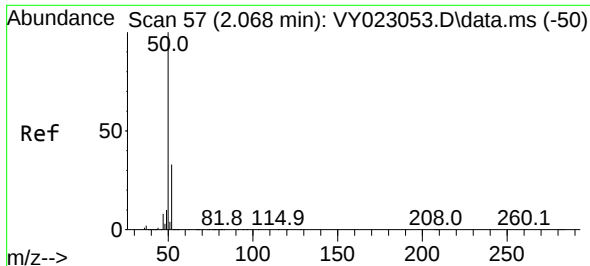
Tgt Ion:168 Resp: 459555
Ion Ratio Lower Upper
168 100
99 55.0 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 21.074 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 85 Resp: 79053
Ion Ratio Lower Upper
85 100
87 34.3 16.6 49.8

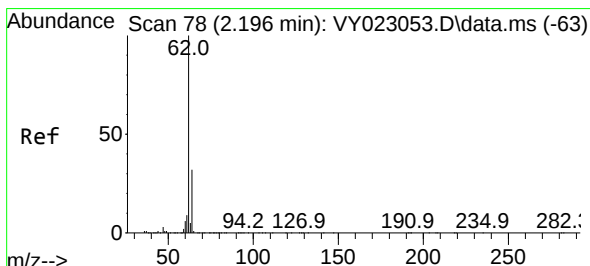
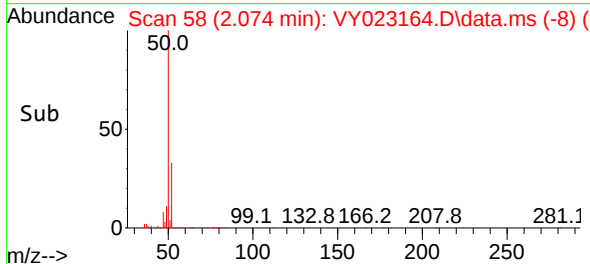
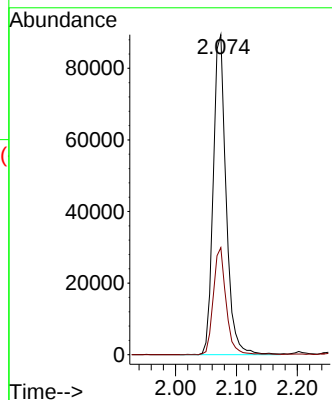
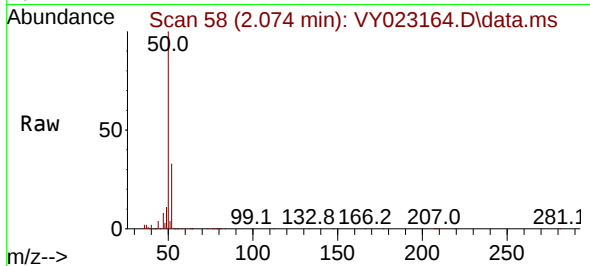




#3
Chloromethane
Concen: 21.550 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

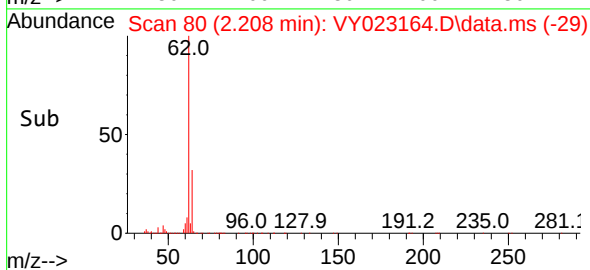
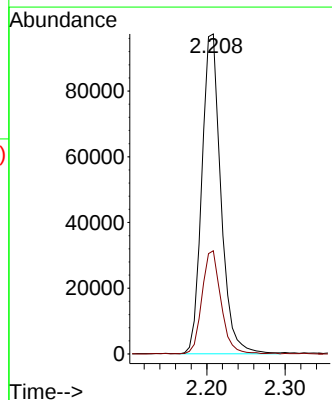
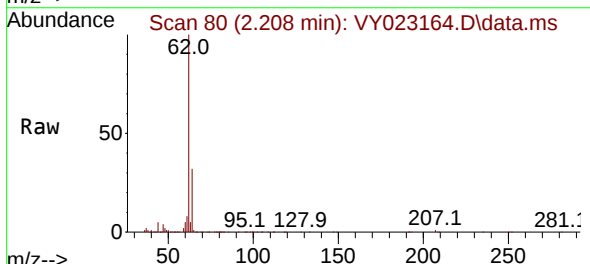
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 50 Resp: 130929
Ion Ratio Lower Upper
50 100
52 33.5 26.7 40.1



#4
Vinyl Chloride
Concen: 21.848 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 62 Resp: 164087
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0

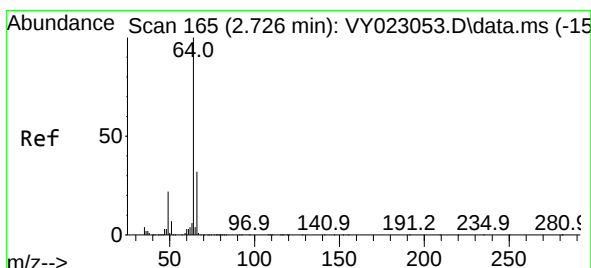
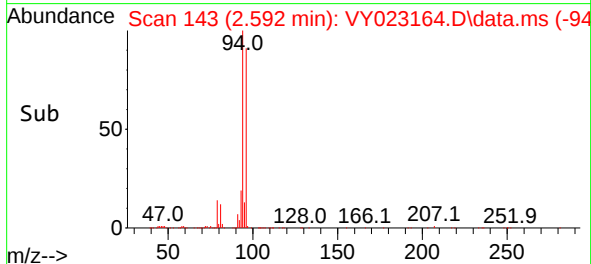
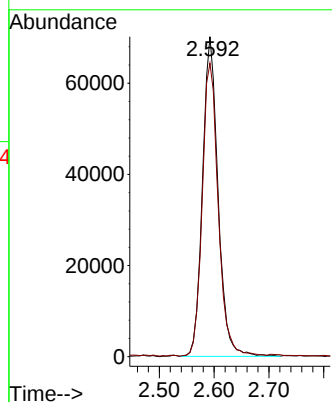
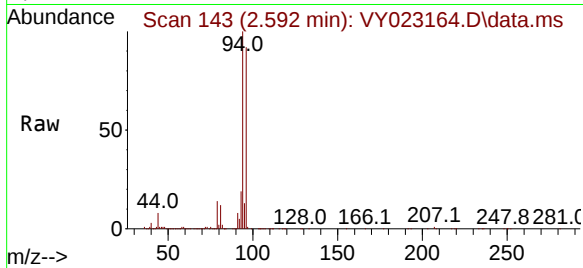




#5
Bromomethane
Concen: 24.621 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

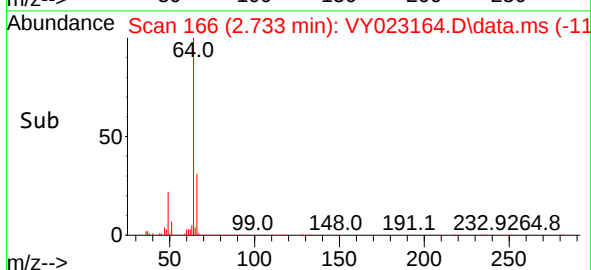
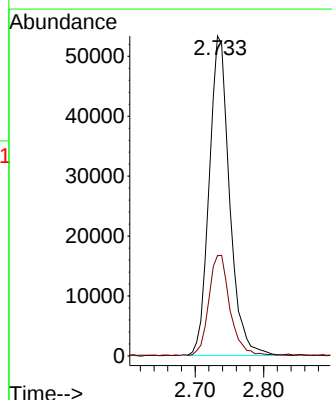
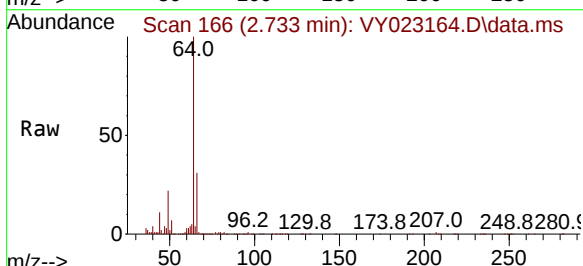
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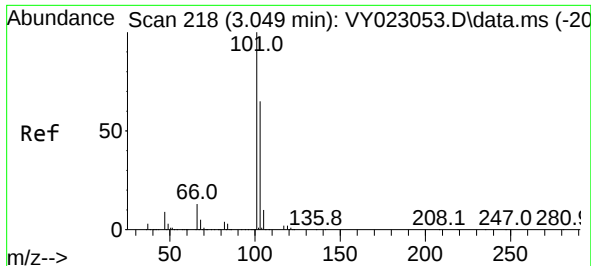
Tgt Ion: 94 Resp: 138095
Ion Ratio Lower Upper
94 100
96 91.7 74.6 112.0



#6
Chloroethane
Concen: 22.053 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 64 Resp: 110112
Ion Ratio Lower Upper
64 100
66 31.2 25.8 38.6

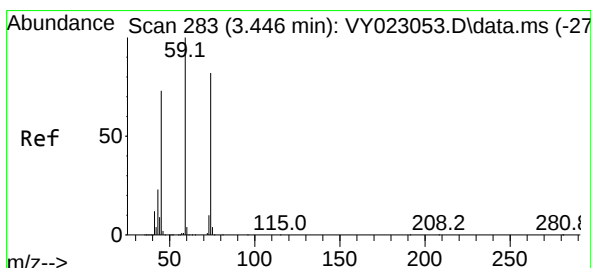
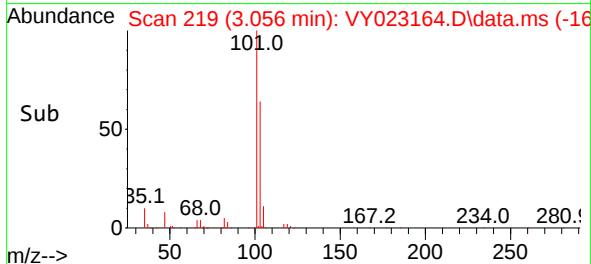
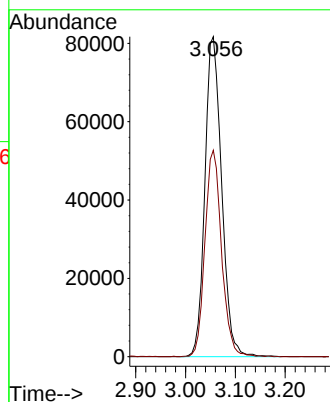
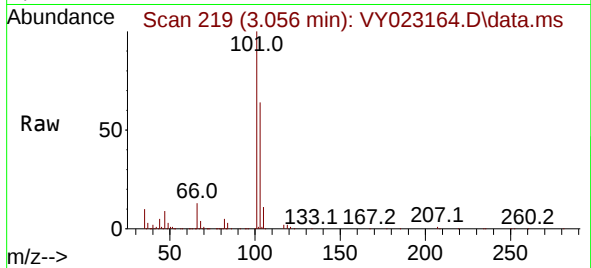




#7
 Trichlorofluoromethane
 Concen: 20.843 ug/l
 RT: 3.056 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VY023164.D
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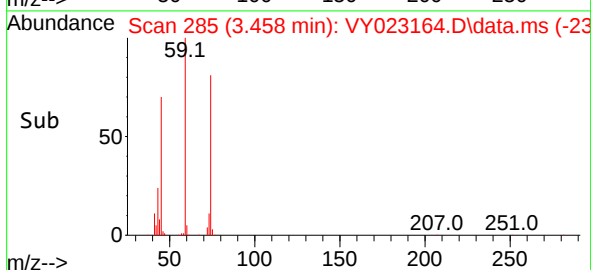
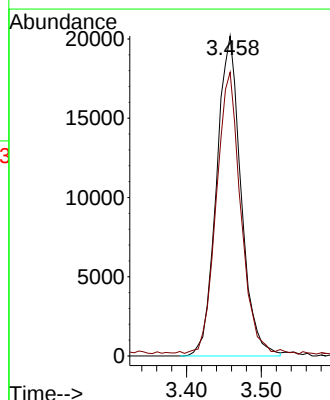
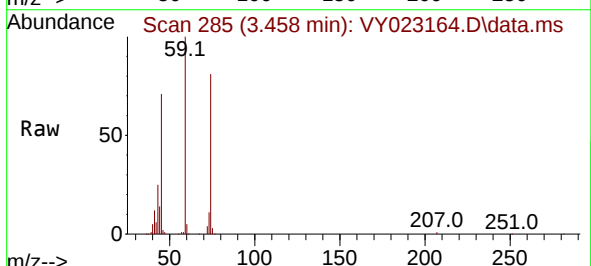
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:101 Resp: 190344
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.9 77.9



#8
 Diethyl Ether
 Concen: 19.036 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023164.D
 Acq: 20 Aug 2025 10:24

Tgt Ion: 74 Resp: 45992
 Ion Ratio Lower Upper
 74 100
 45 86.8 44.4 133.2

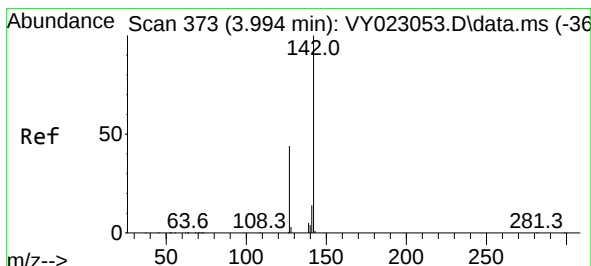
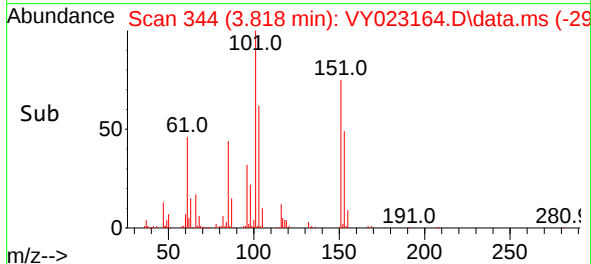
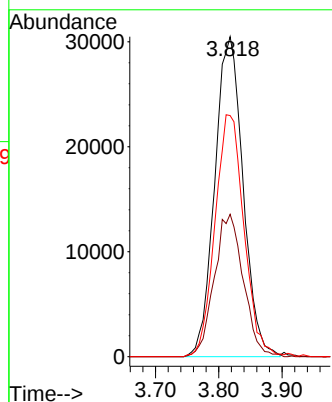
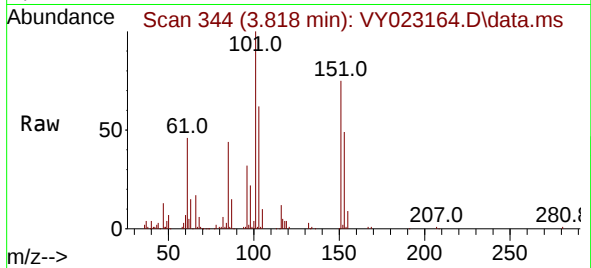




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.006 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023164.D
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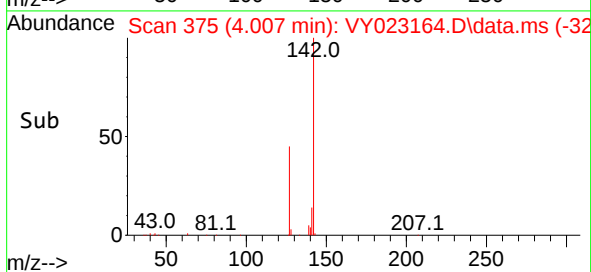
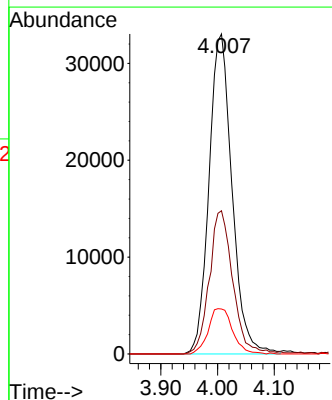
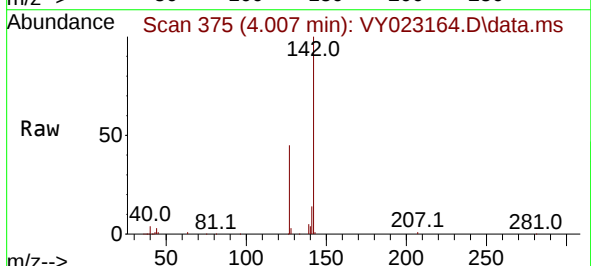
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:101 Resp: 94641
Ion Ratio Lower Upper
101 100
85 45.6 36.3 54.5
151 77.3 61.5 92.3



#10
Methyl Iodide
Concen: 19.163 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:142 Resp: 93165
Ion Ratio Lower Upper
142 100
127 45.6 34.9 52.3
141 14.9 11.3 16.9

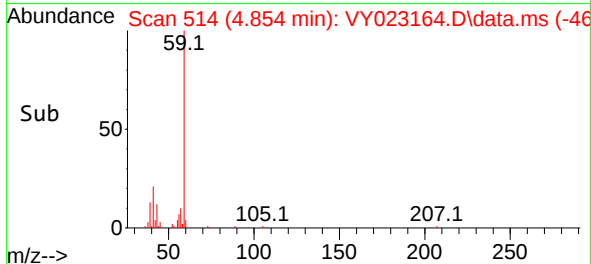
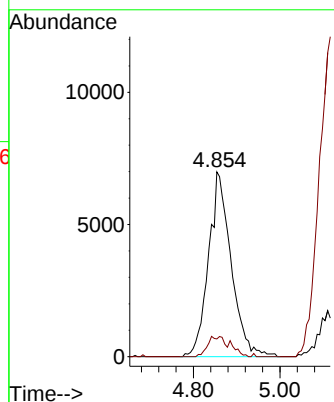
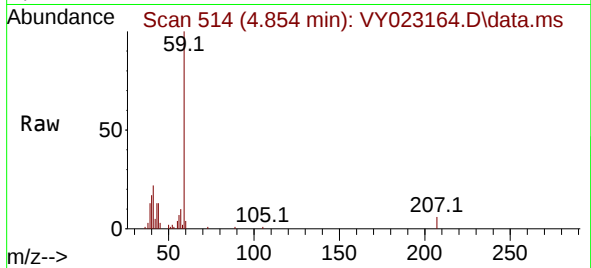




#11
Tert butyl alcohol
Concen: 84.424 ug/l
RT: 4.854 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

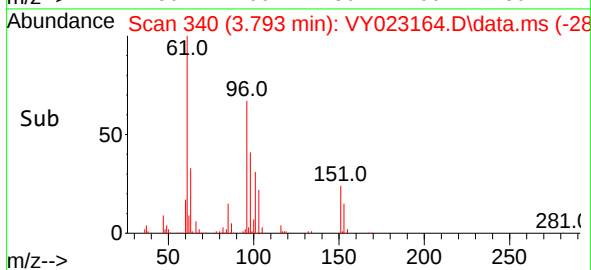
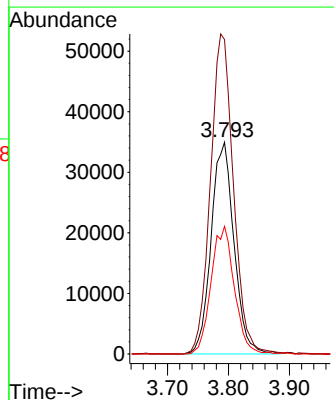
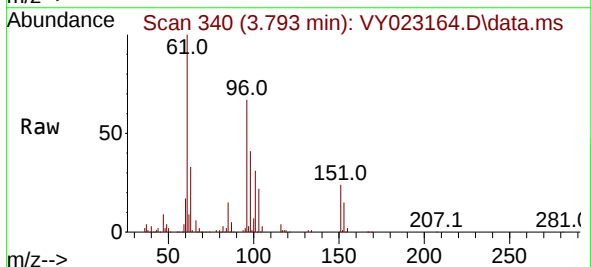
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 25336
Ion Ratio Lower Upper
59 100
57 4.9 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 20.600 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

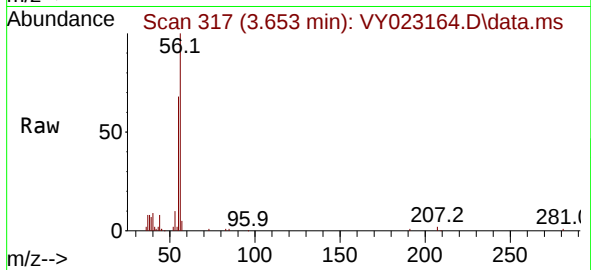
Tgt Ion: 96 Resp: 91227
Ion Ratio Lower Upper
96 100
61 148.5 129.4 194.2
98 60.3 52.8 79.2



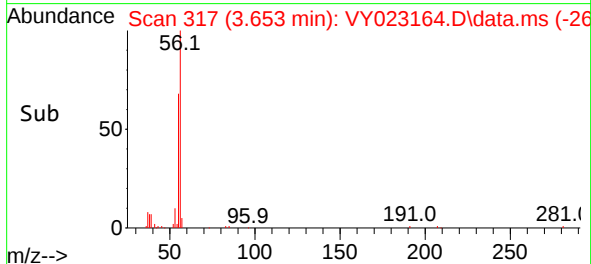
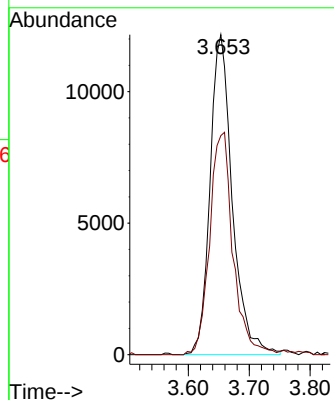


#13
Acrolein
Concen: 70.324 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :

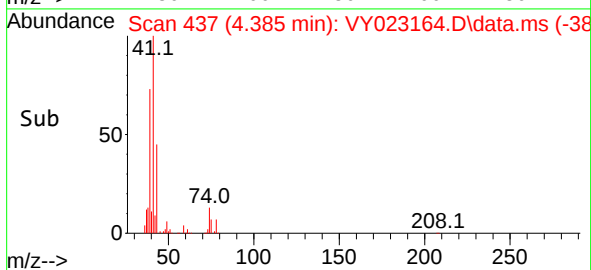
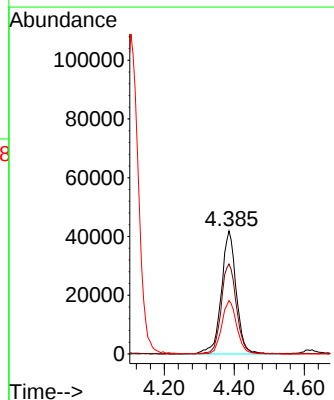
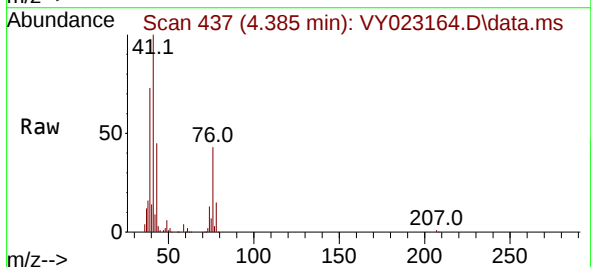


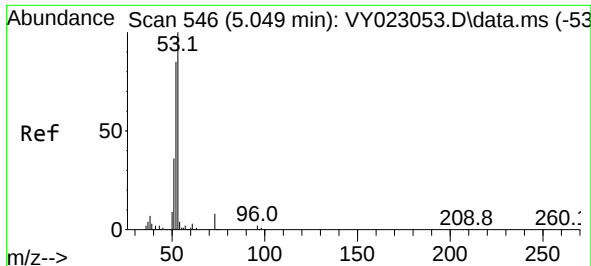
Tgt Ion: 56 Resp: 30908
Ion Ratio Lower Upper
56 100
55 72.4 55.2 82.8



#14
Allyl chloride
Concen: 18.993 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

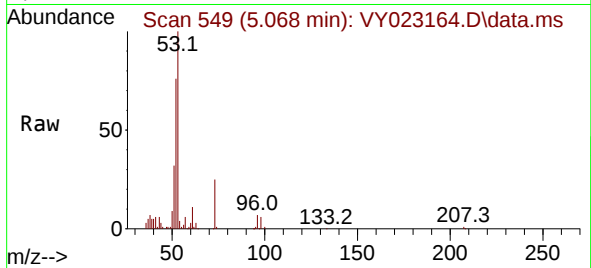
Tgt Ion: 41 Resp: 123764
Ion Ratio Lower Upper
41 100
39 75.1 59.8 89.6
76 43.6 33.7 50.5



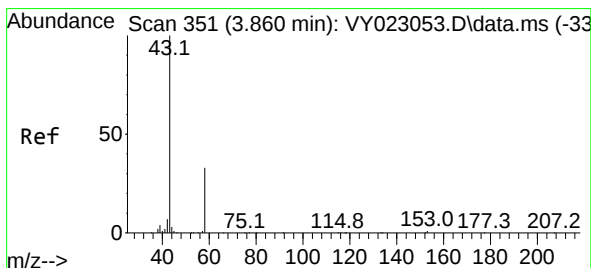
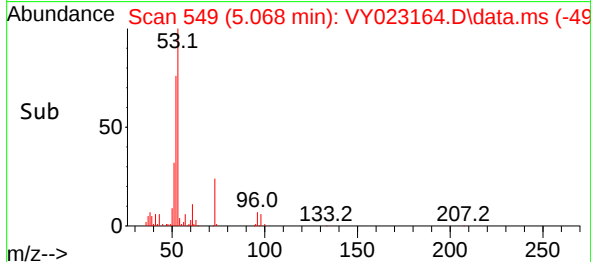
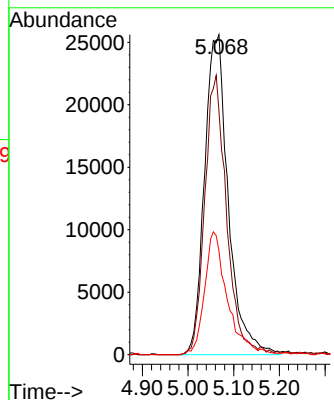


#15
Acrylonitrile
Concen: 94.158 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.018 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :

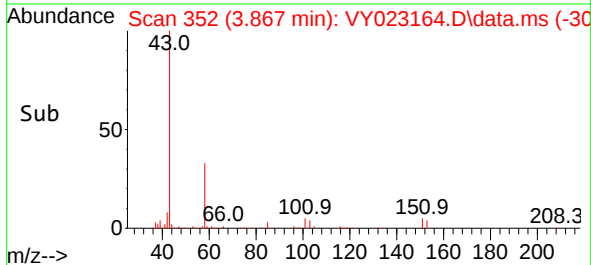
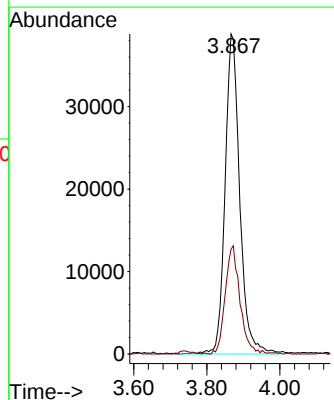
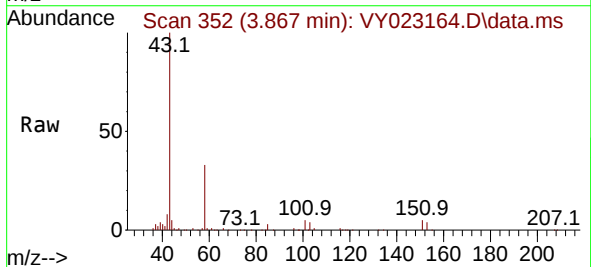


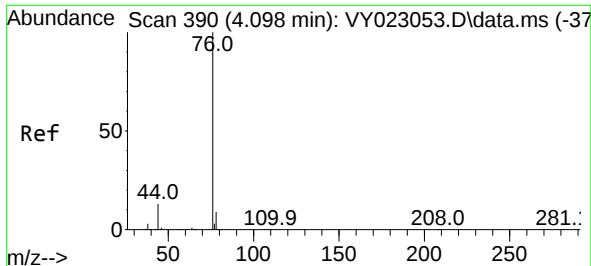
Tgt Ion: 53 Resp: 92487
Ion Ratio Lower Upper
53 100
52 80.0 65.3 97.9
51 36.8 29.5 44.3



#16
Acetone
Concen: 114.225 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 108385
Ion Ratio Lower Upper
43 100
58 32.4 27.1 40.7

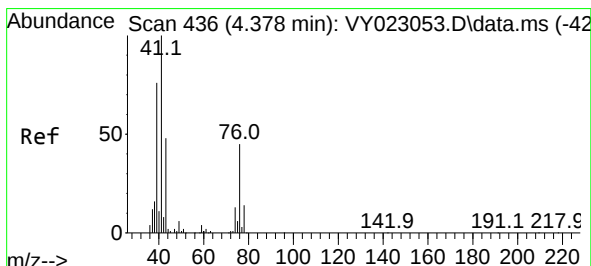
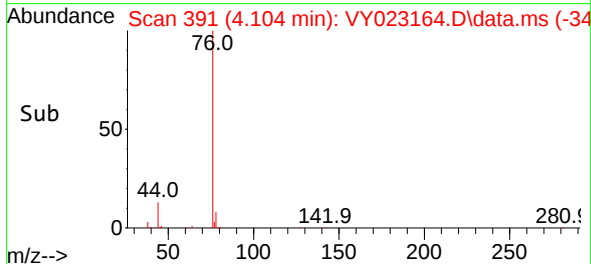
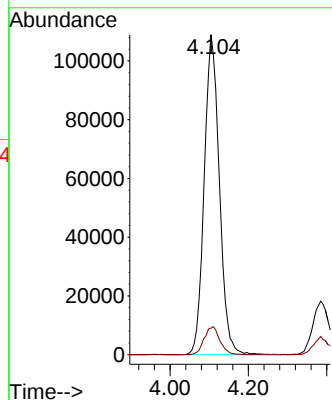
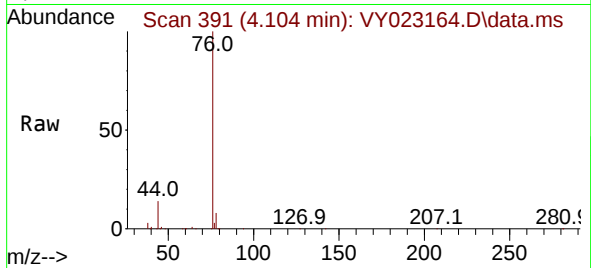




#17
Carbon Disulfide
Concen: 20.217 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

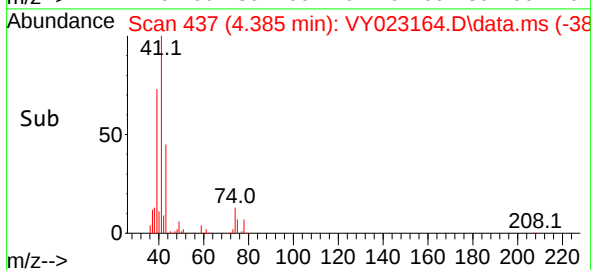
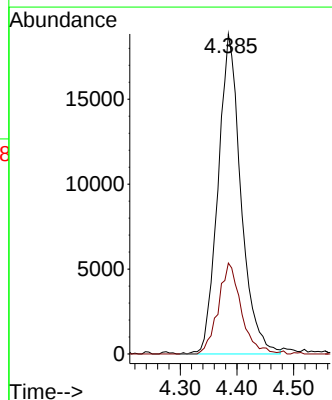
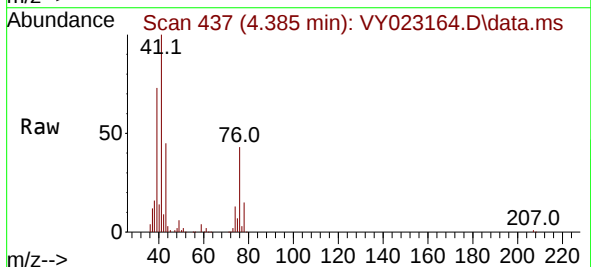
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 291923
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2



#18
Methyl Acetate
Concen: 18.733 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 52896
Ion Ratio Lower Upper
43 100
74 28.3 21.2 31.8

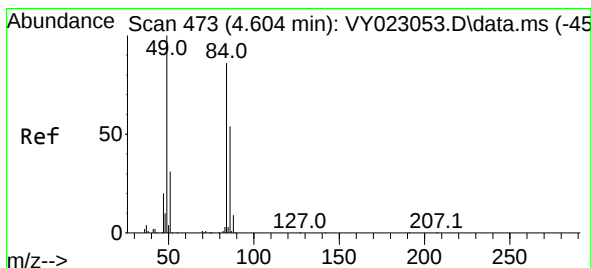
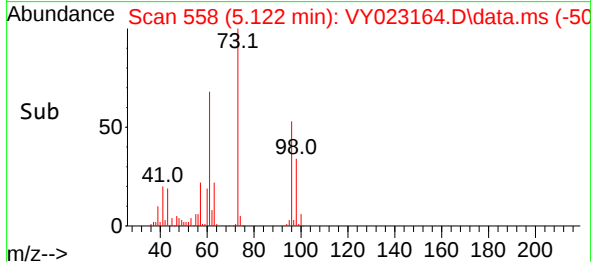
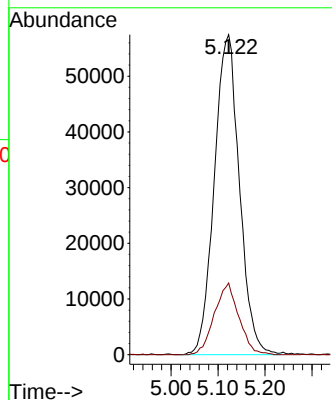
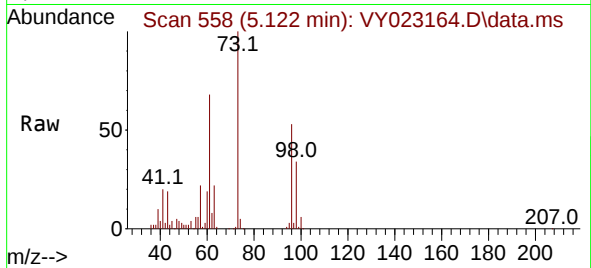




#19
Methyl tert-butyl Ether
Concen: 18.599 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

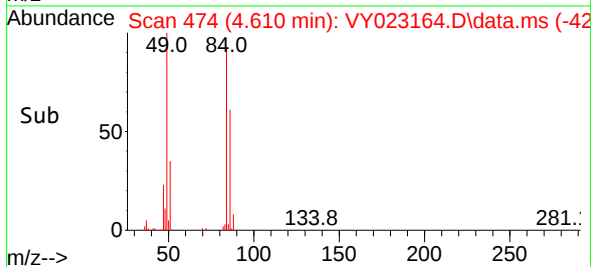
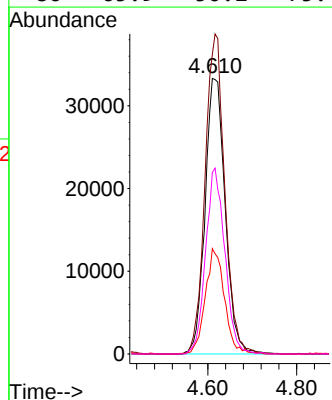
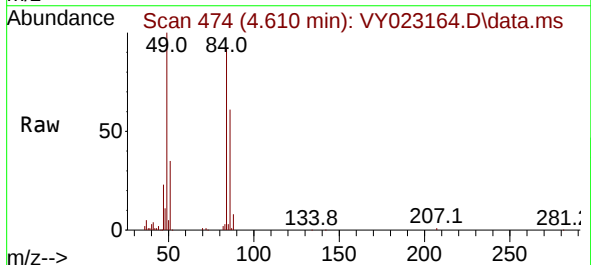
Instrument :
MSVOA_Y
ClientSampleId :

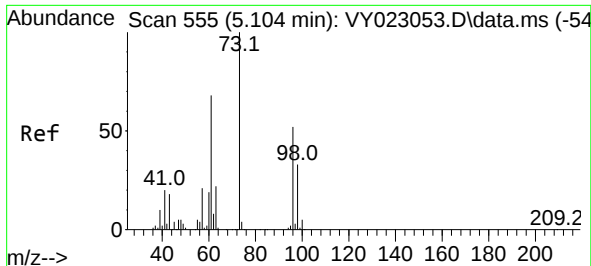
Tgt Ion: 73 Resp: 213430
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7



#20
Methylene Chloride
Concen: 19.691 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

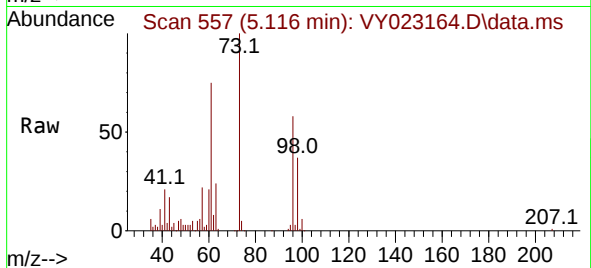
Tgt Ion: 84 Resp: 105212
Ion Ratio Lower Upper
84 100
49 108.7 93.0 139.6
51 38.2 29.0 43.4
86 65.9 50.2 75.4



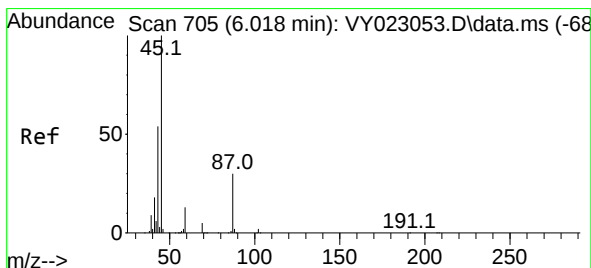
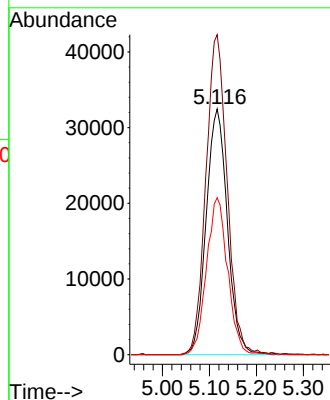
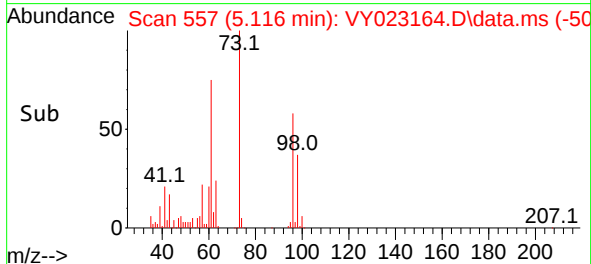


#21
trans-1,2-Dichloroethene
Concen: 20.447 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :

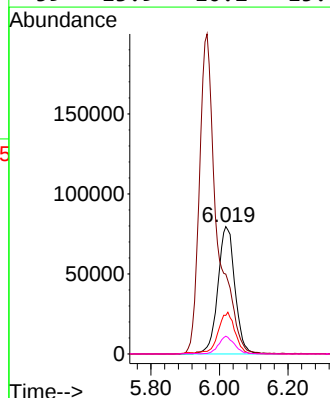
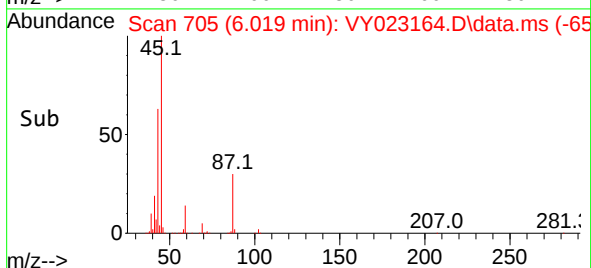
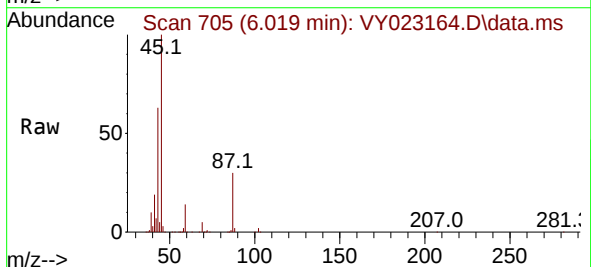


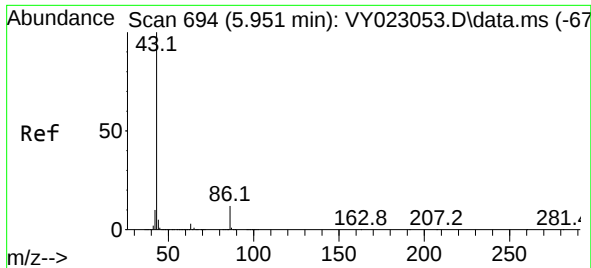
Tgt Ion: 96 Resp: 101756
Ion Ratio Lower Upper
96 100
61 130.2 104.8 157.2
98 63.9 50.1 75.1



#22
Diisopropyl ether
Concen: 19.356 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 45 Resp: 274076
Ion Ratio Lower Upper
45 100
43 62.6 43.4 65.0
87 30.3 24.4 36.6
59 13.9 10.2 15.4

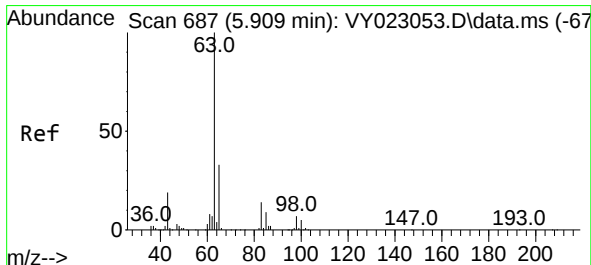
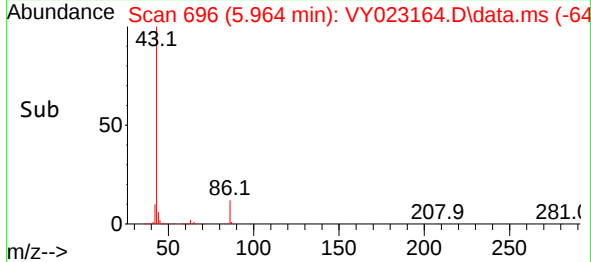
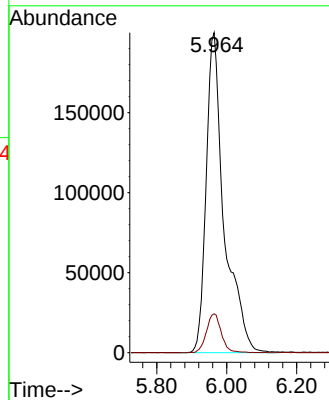
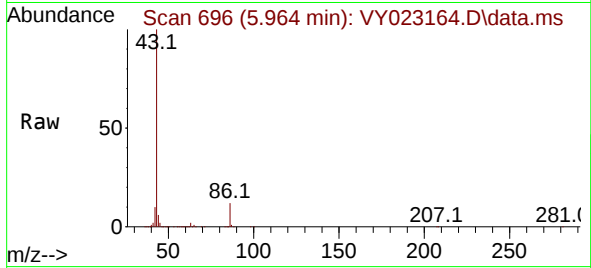




#23
 Vinyl Acetate
 Concen: 91.149 ug/l
 RT: 5.964 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023164.D
 Acq: 20 Aug 2025 10:24

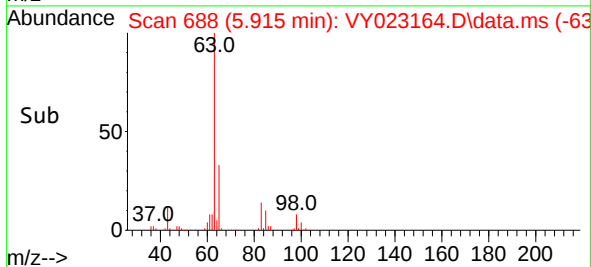
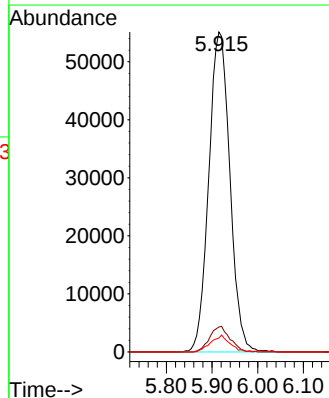
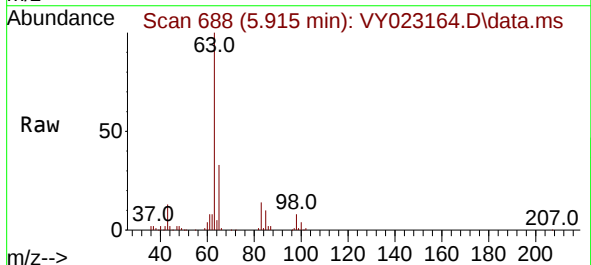
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 43 Resp: 713664
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 20.424 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023164.D
 Acq: 20 Aug 2025 10:24

Tgt Ion: 63 Resp: 176815
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.6
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 99.942 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

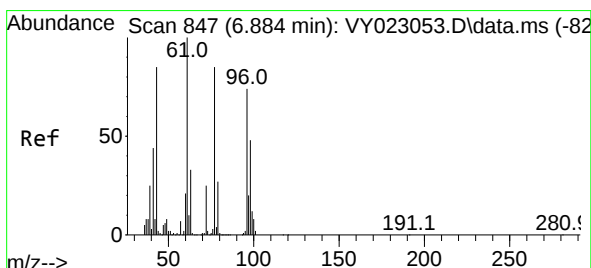
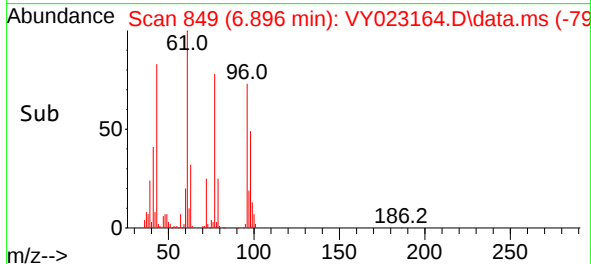
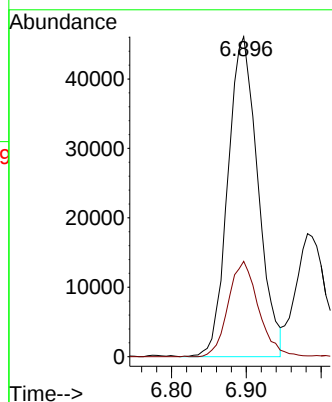
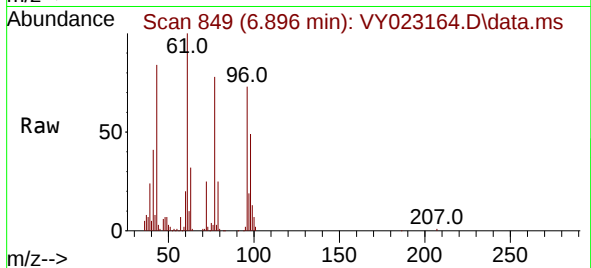
ClientSampleId :

Tgt Ion: 43 Resp: 128976

Ion Ratio Lower Upper

43 100

72 29.8 23.5 35.3



#26

2,2-Dichloropropane

Concen: 20.404 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY023164.D

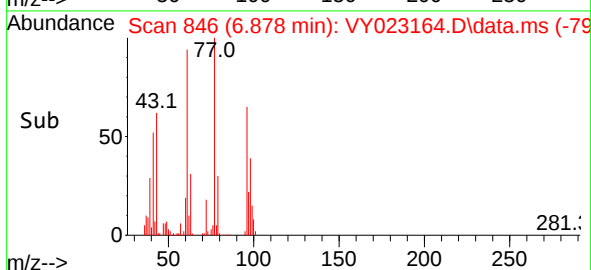
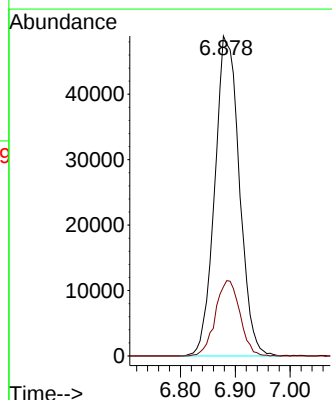
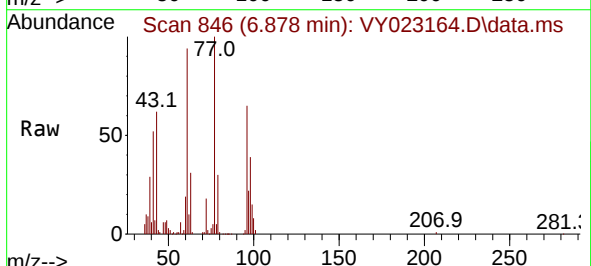
Acq: 20 Aug 2025 10:24

Tgt Ion: 77 Resp: 152419

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.382 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

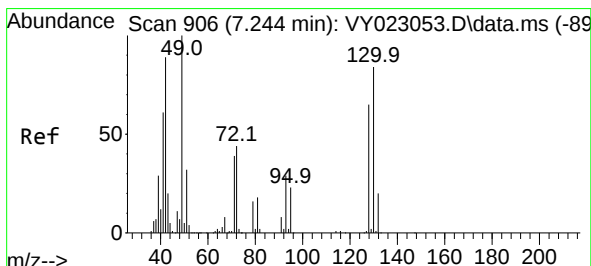
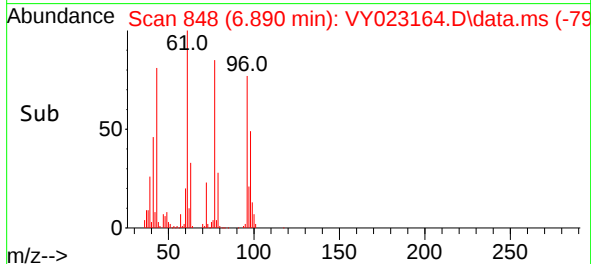
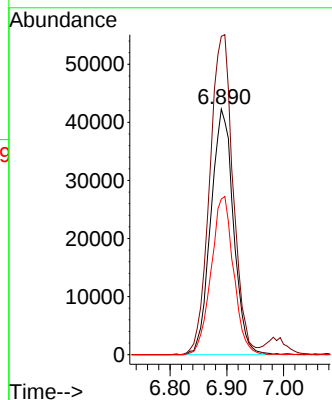
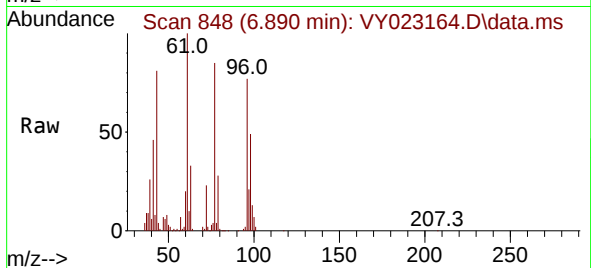
Tgt Ion: 96 Resp: 117267

Ion Ratio Lower Upper

96 100

61 134.4 0.0 278.6

98 63.7 0.0 130.4



#28

Bromochloromethane

Concen: 19.885 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

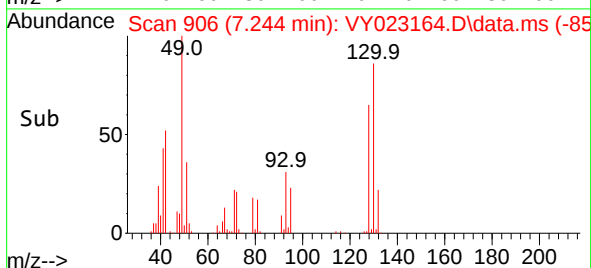
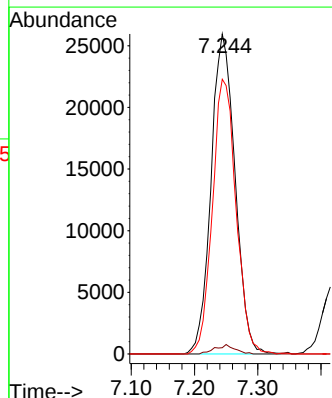
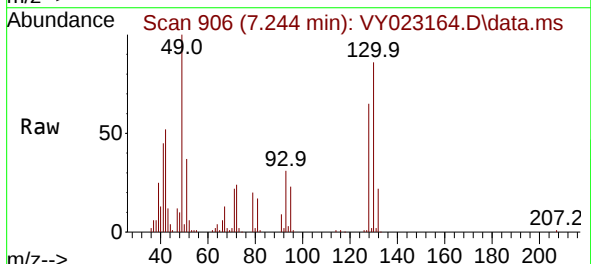
Tgt Ion: 49 Resp: 68297

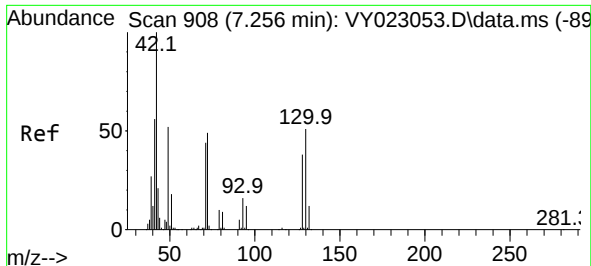
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 84.5 66.4 99.6





#29

Tetrahydrofuran

Concen: 88.345 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

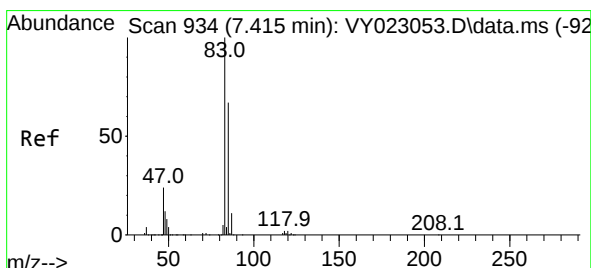
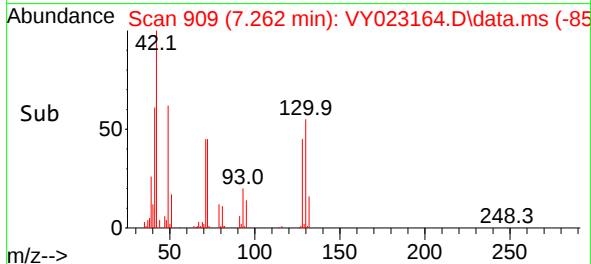
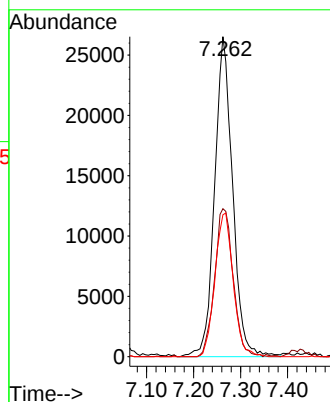
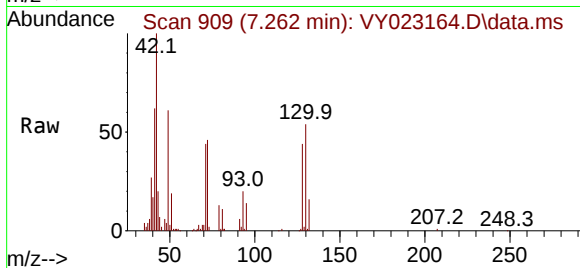
Tgt Ion: 42 Resp: 70670

Ion Ratio Lower Upper

42 100

72 47.7 39.4 59.2

71 45.7 36.5 54.7



#30

Chloroform

Concen: 20.993 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023164.D

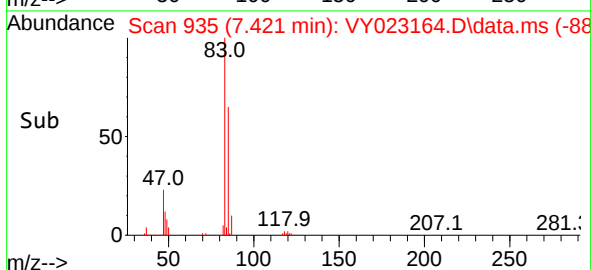
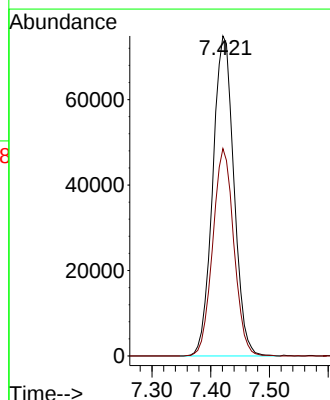
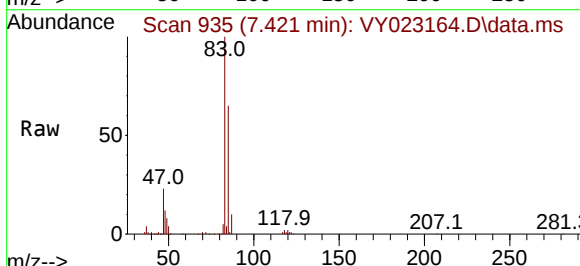
Acq: 20 Aug 2025 10:24

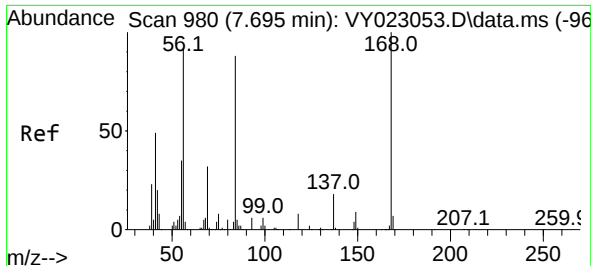
Tgt Ion: 83 Resp: 187434

Ion Ratio Lower Upper

83 100

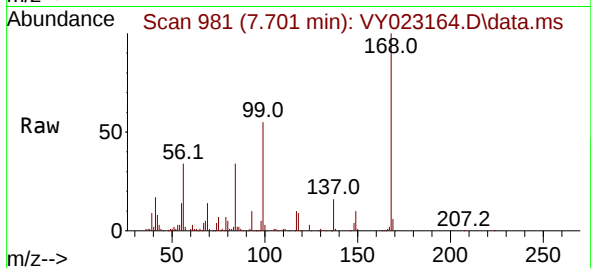
85 64.8 53.8 80.8



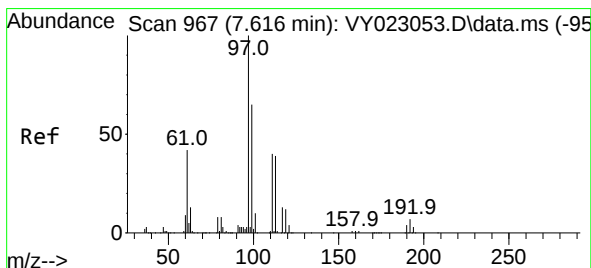
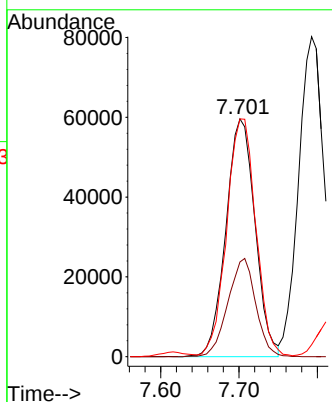
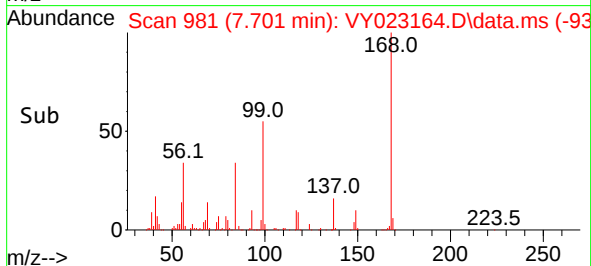


#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :

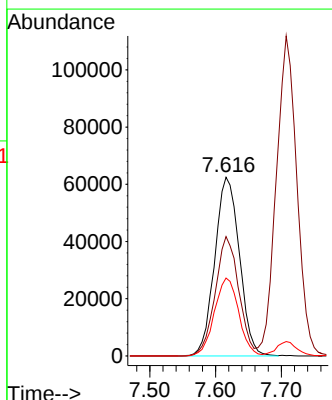
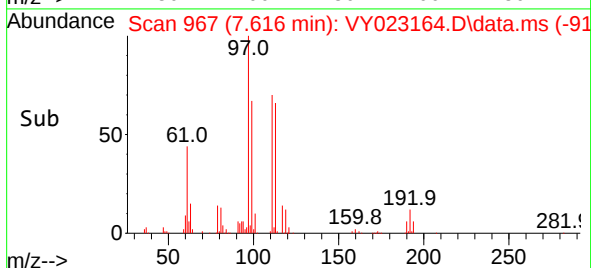
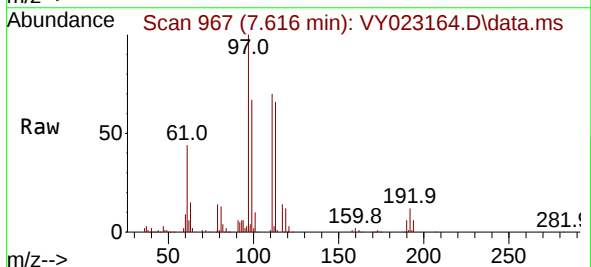


Tgt Ion: 56 Resp: 154414
Ion Ratio Lower Upper
56 100
69 39.9 28.2 42.2
84 98.3 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.612 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 97 Resp: 163289
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 43.0 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.528 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

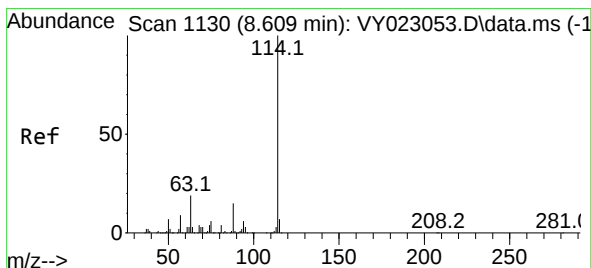
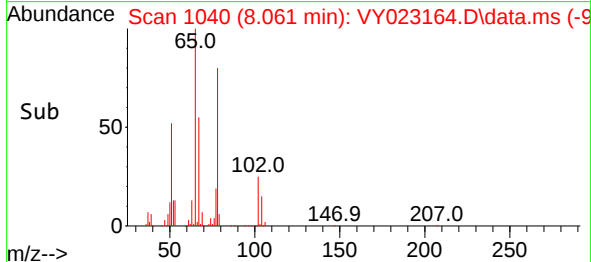
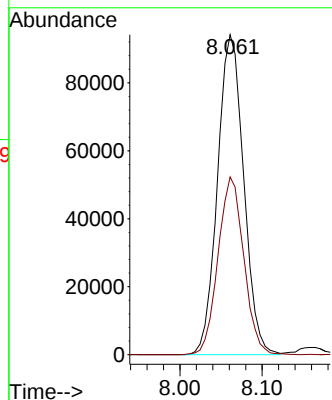
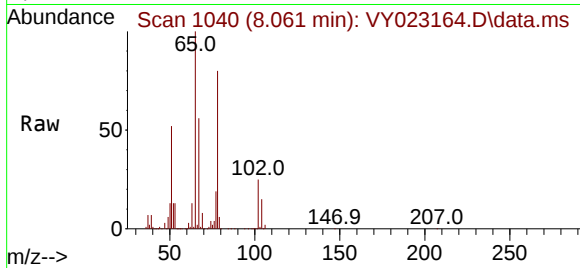
ClientSampleId :

Tgt Ion: 65 Resp: 208166

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

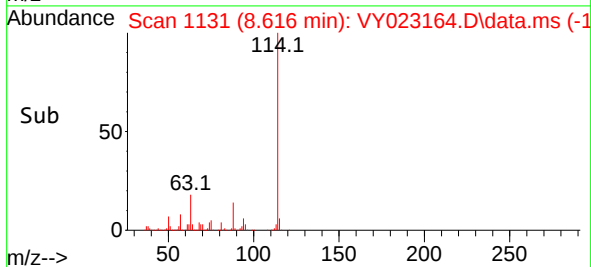
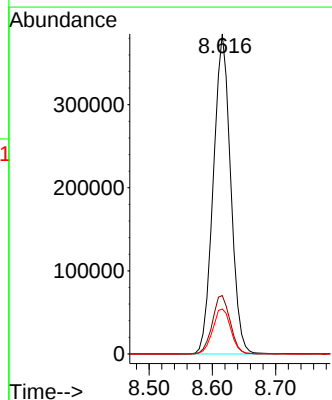
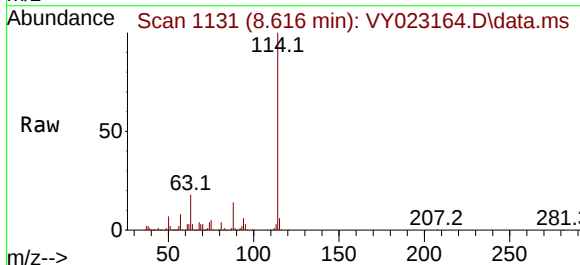
Tgt Ion: 114 Resp: 730484

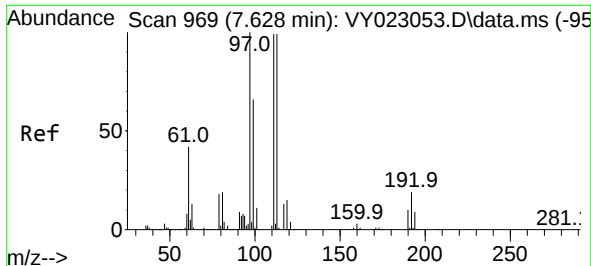
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.0 0.0 30.0

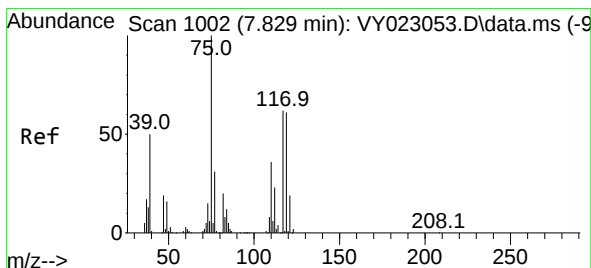
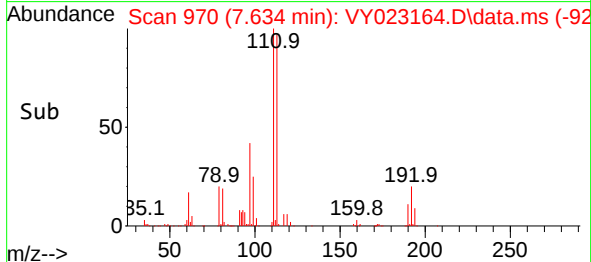
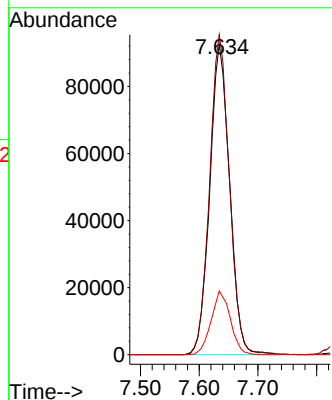
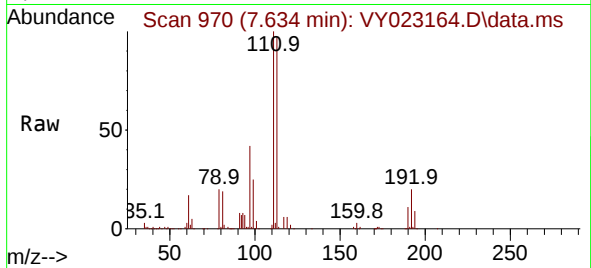




#35
Dibromofluoromethane
Concen: 49.702 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

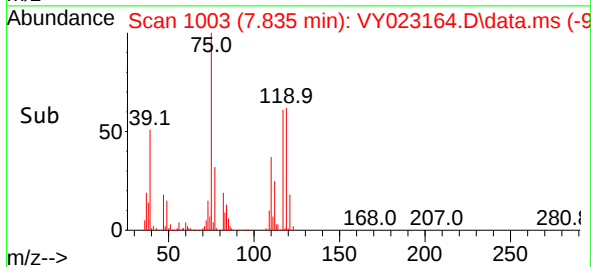
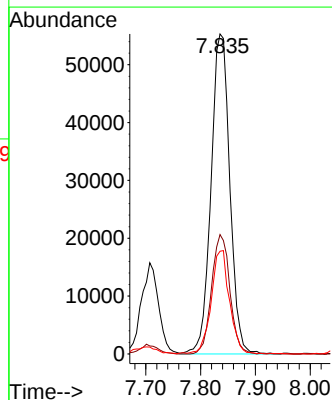
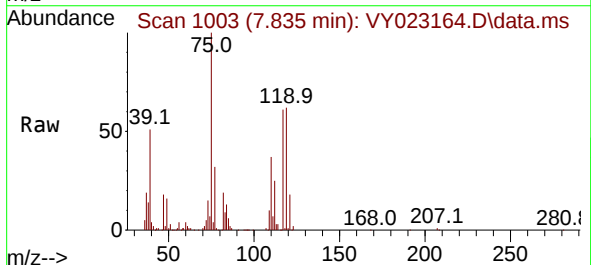
Instrument :
MSVOA_Y
ClientSampleId :

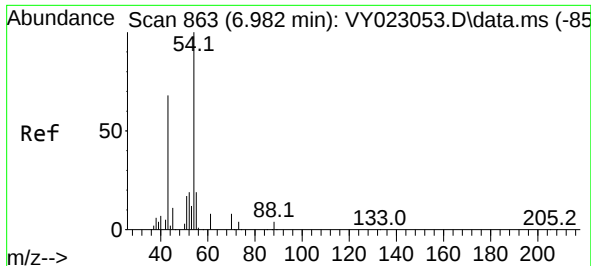
Tgt Ion:113 Resp: 217247
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 20.252 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 75 Resp: 131556
Ion Ratio Lower Upper
75 100
110 36.3 18.1 54.4
77 31.7 24.6 37.0





#37

Ethyl Acetate

Concen: 18.572 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

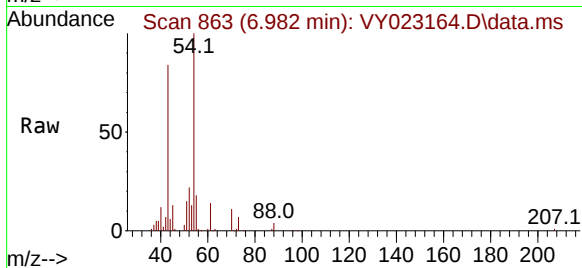
Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :



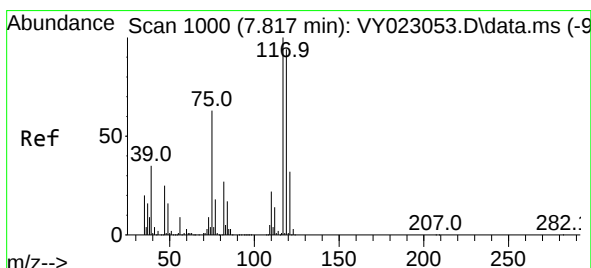
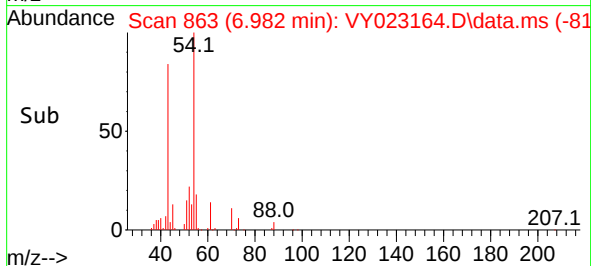
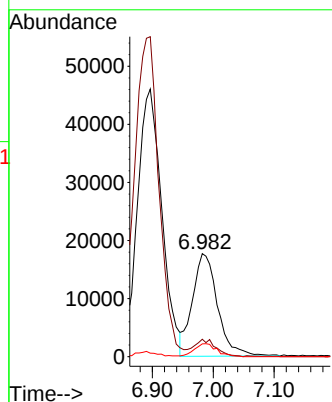
Tgt Ion: 43 Resp: 50678

Ion Ratio Lower Upper

43 100

61 14.5 11.9 17.9

70 11.4 8.8 13.2



#38

Carbon Tetrachloride

Concen: 20.707 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

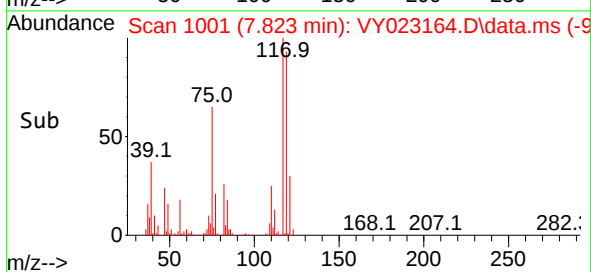
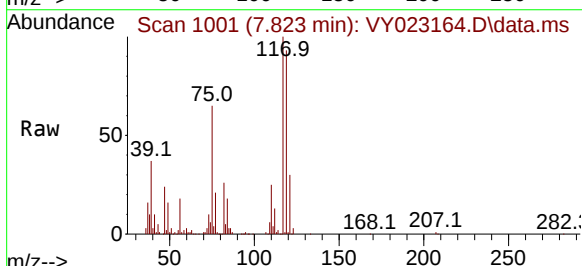
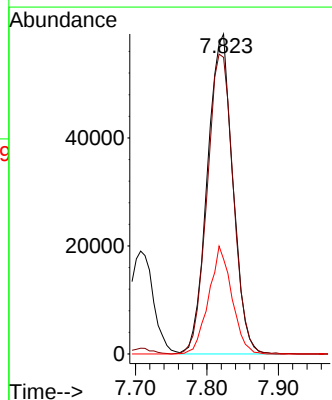
Tgt Ion: 117 Resp: 146099

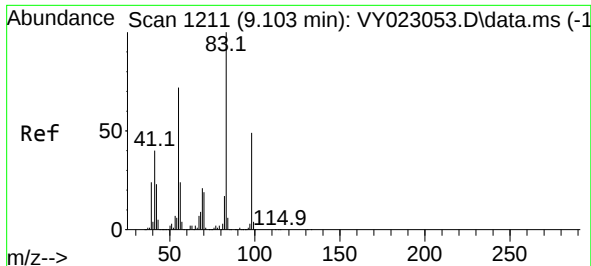
Ion Ratio Lower Upper

117 100

119 92.6 75.6 113.4

121 29.6 25.8 38.8





#39

Methylcyclohexane

Concen: 18.926 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

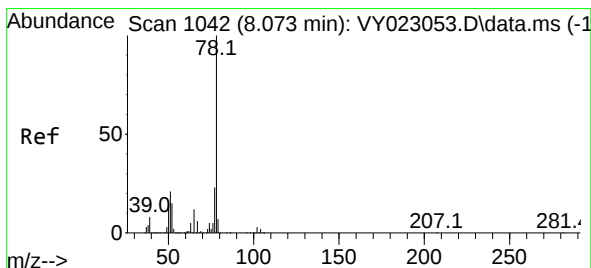
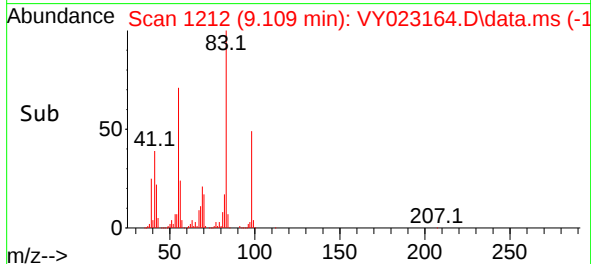
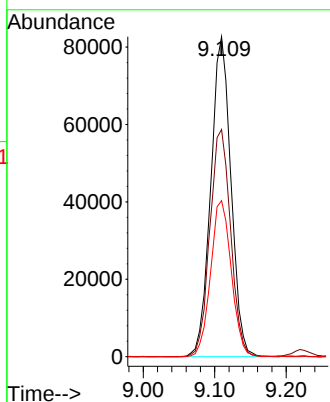
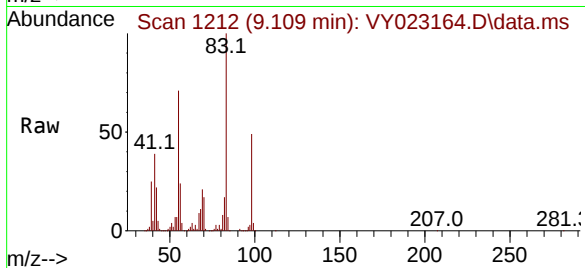
Tgt Ion: 83 Resp: 161897

Ion Ratio Lower Upper

83 100

55 71.0 57.6 86.4

98 48.8 39.2 58.8



#40

Benzene

Concen: 20.662 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023164.D

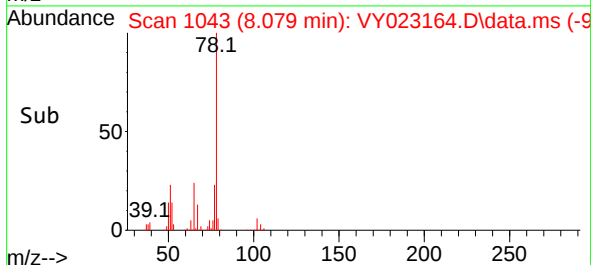
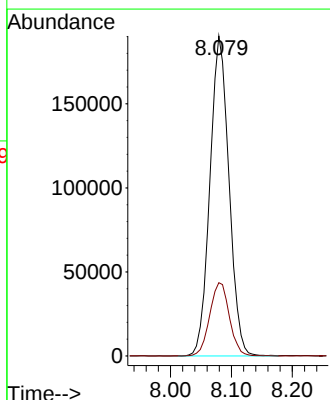
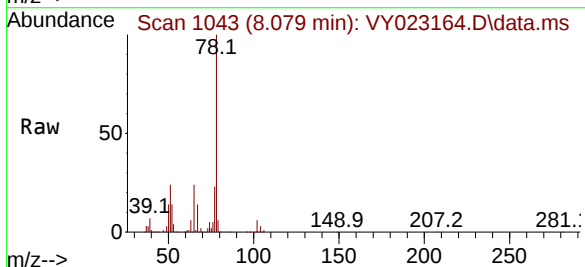
Acq: 20 Aug 2025 10:24

Tgt Ion: 78 Resp: 413672

Ion Ratio Lower Upper

78 100

77 22.9 18.6 28.0

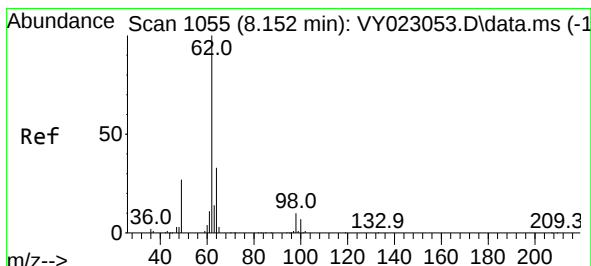
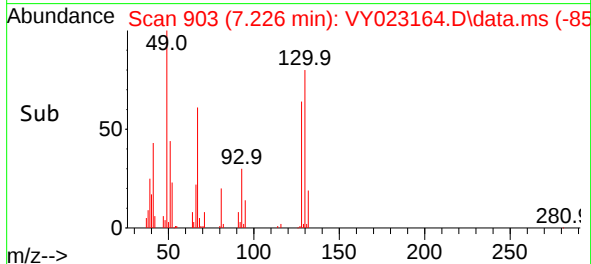
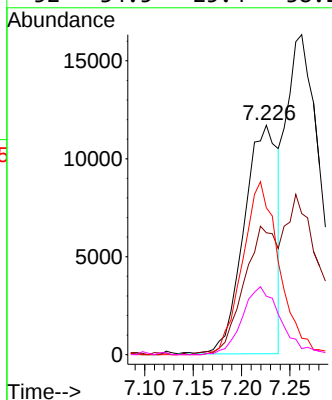
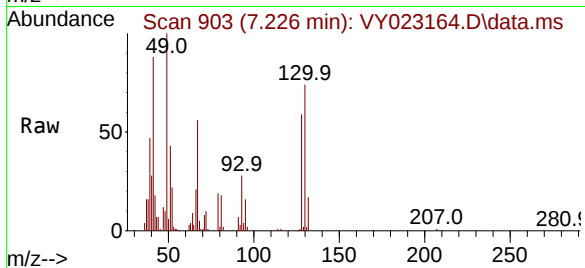




#41
Methacrylonitrile
Concen: 17.963 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

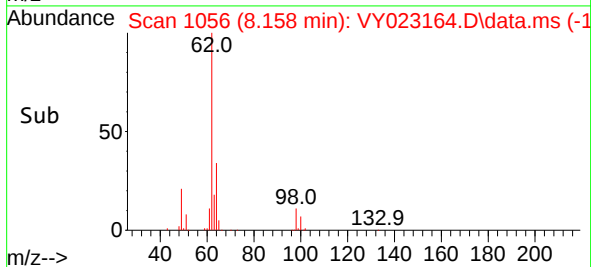
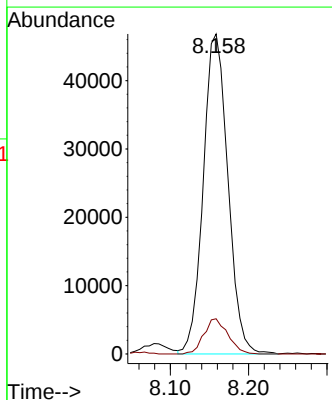
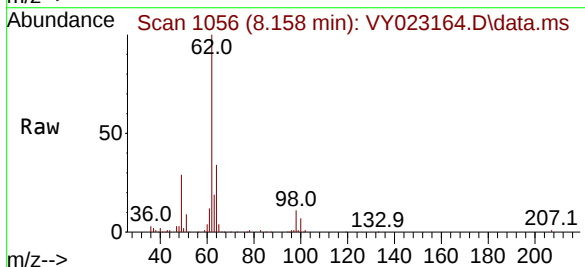
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:	41	Resp:	28288
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.4	65.2
67	83.7	63.6	95.4
52	34.5	25.4	38.2



#42
1,2-Dichloroethane
Concen: 19.682 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:	62	Resp:	102487
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6

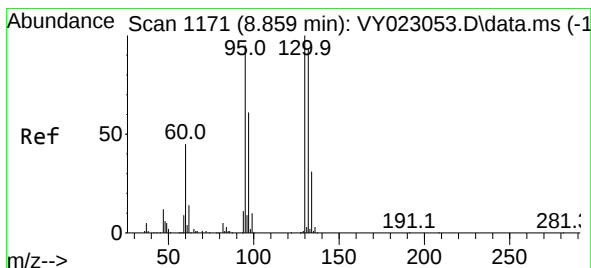
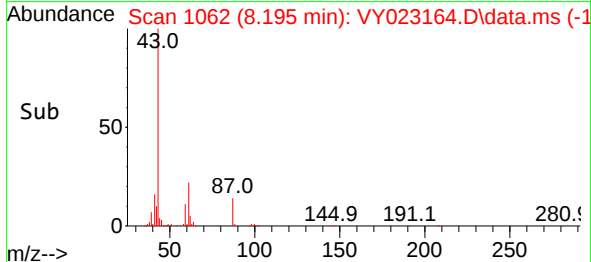
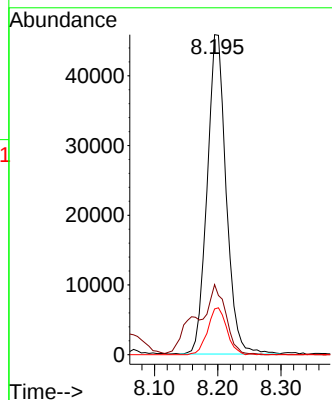
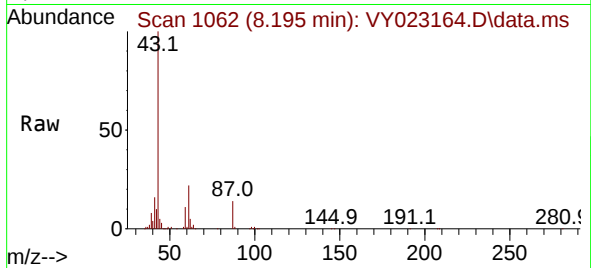




#43
Isopropyl Acetate
Concen: 17.327 ug/l
RT: 8.195 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

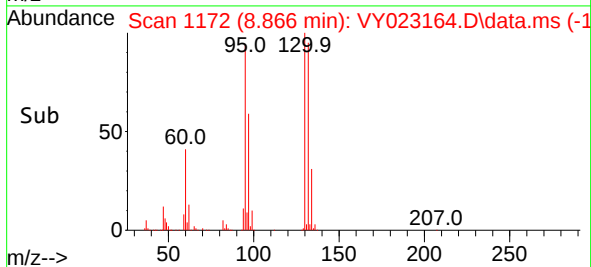
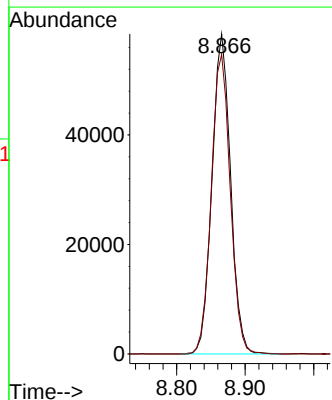
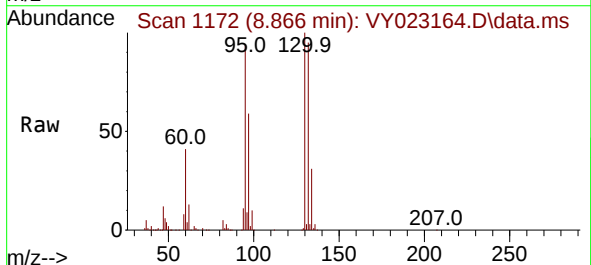
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 95562
Ion Ratio Lower Upper
43 100
61 22.2 16.4 24.6
87 14.8 11.8 17.6



#44
Trichloroethene
Concen: 21.260 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:130 Resp: 109999
Ion Ratio Lower Upper
130 100
95 93.6 0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.332 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

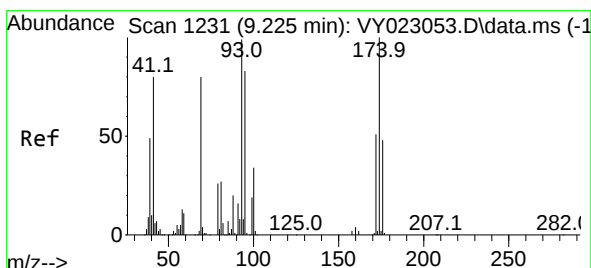
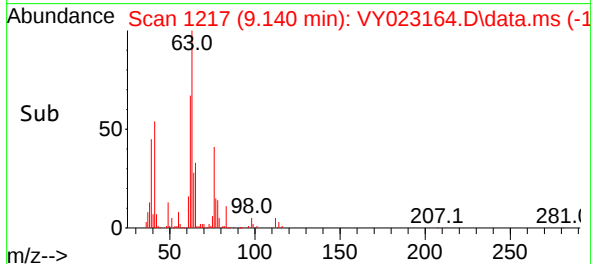
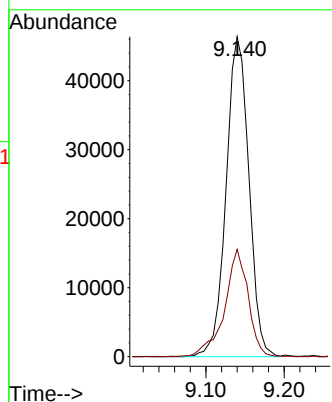
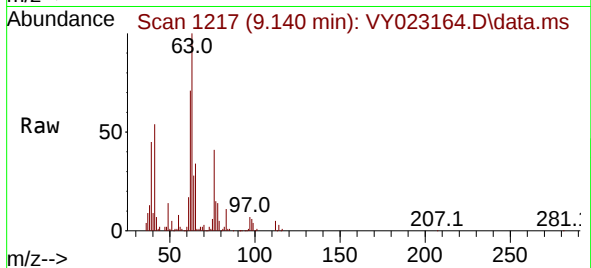
ClientSampleId :

Tgt Ion: 63 Resp: 93662

Ion Ratio Lower Upper

63 100

65 33.4 25.3 37.9



#46

Dibromomethane

Concen: 20.240 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

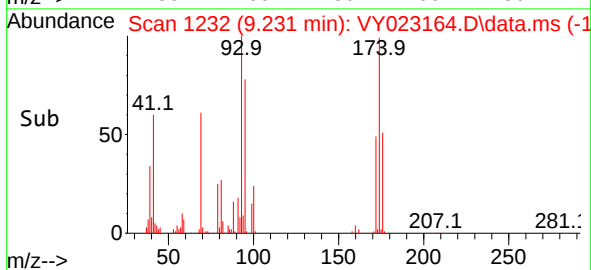
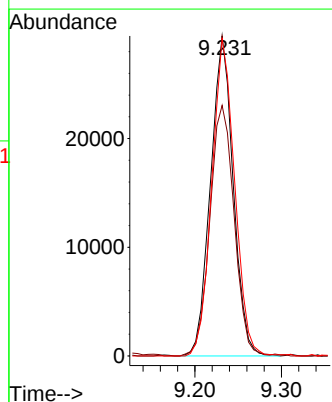
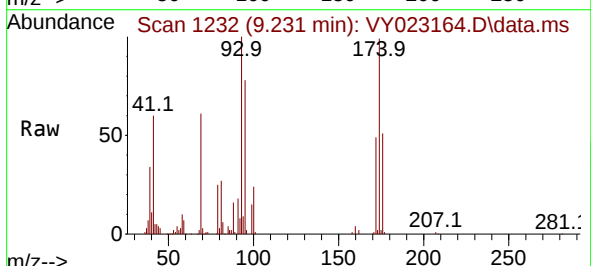
Tgt Ion: 93 Resp: 53516

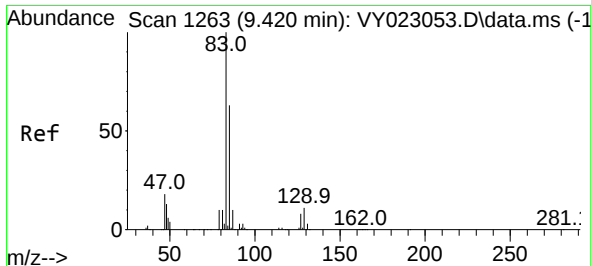
Ion Ratio Lower Upper

93 100

95 83.5 66.5 99.7

174 100.3 81.8 122.8

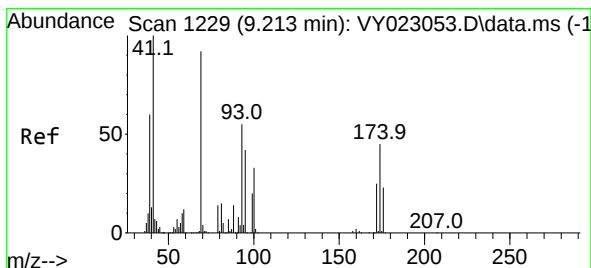
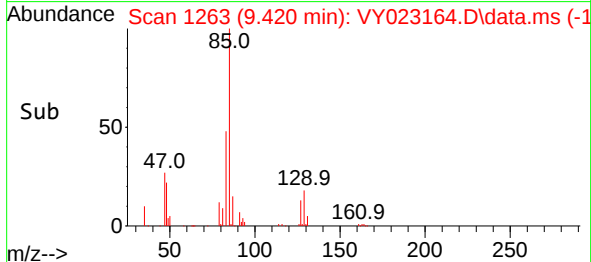
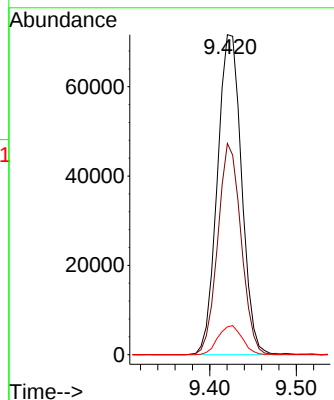
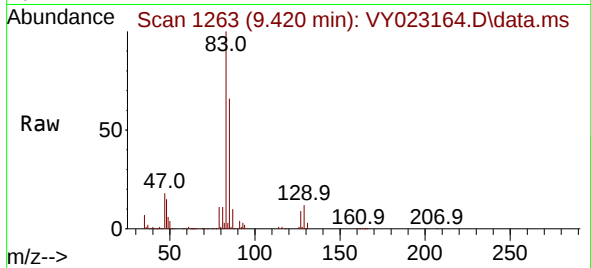




#47
Bromodichloromethane
Concen: 20.448 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

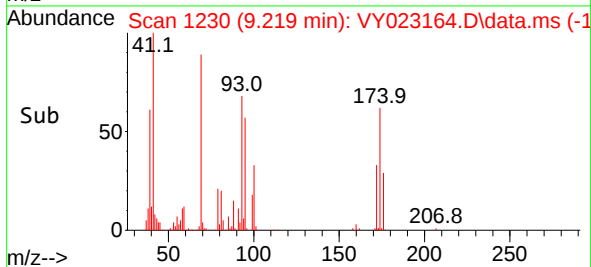
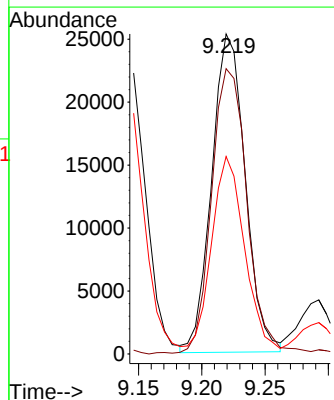
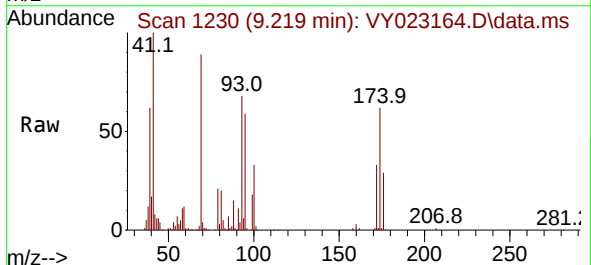
Instrument :
MSVOA_Y
ClientSampleId :

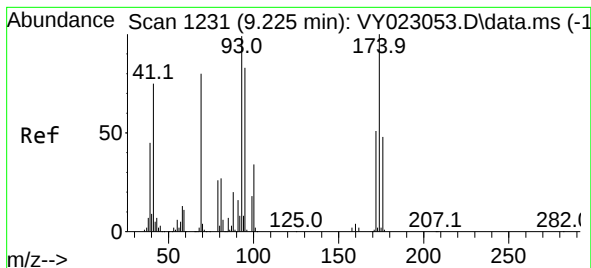
Tgt Ion: 83 Resp: 139120
Ion Ratio Lower Upper
83 100
85 66.0 50.2 75.4
127 8.7 6.6 10.0



#48
Methyl methacrylate
Concen: 17.692 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 41 Resp: 46693
Ion Ratio Lower Upper
41 100
69 94.8 73.2 109.8
39 58.1 47.0 70.4





#49

1,4-Dioxane

Concen: 367.192 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

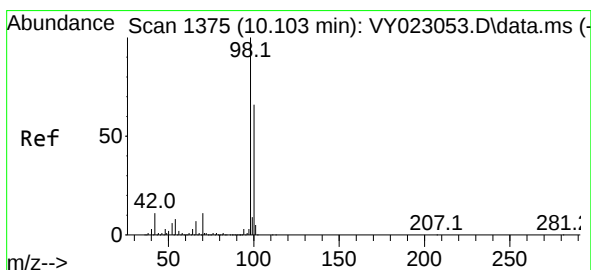
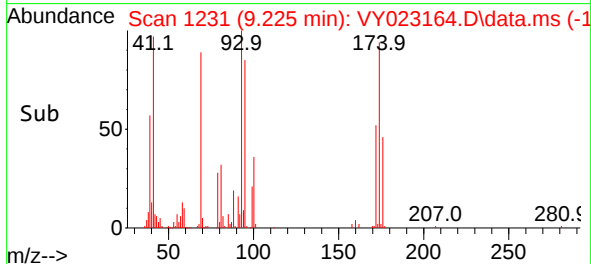
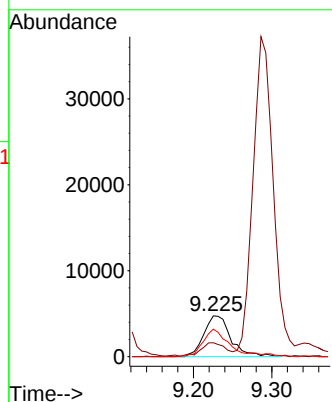
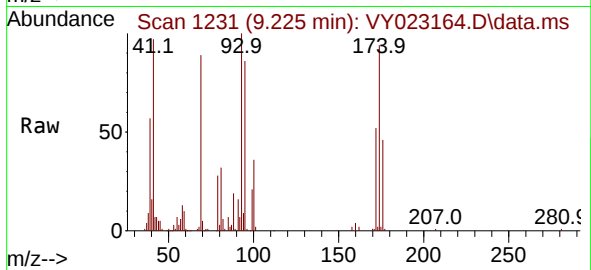
Tgt Ion: 88 Resp: 11384

Ion Ratio Lower Upper

88 100

43 28.7 24.3 36.5

58 68.0 55.4 83.0



#50

Toluene-d8

Concen: 49.685 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023164.D

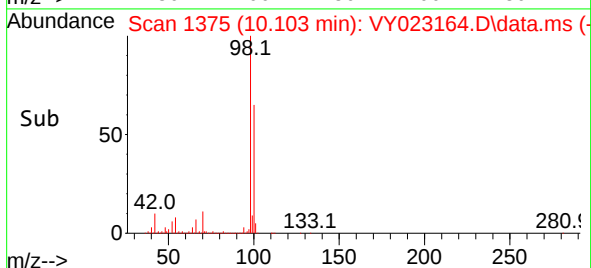
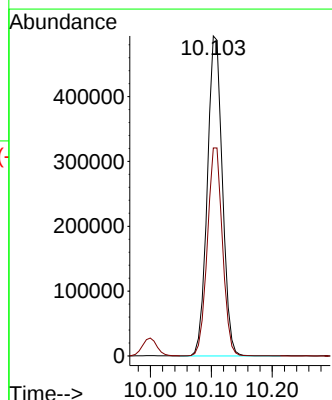
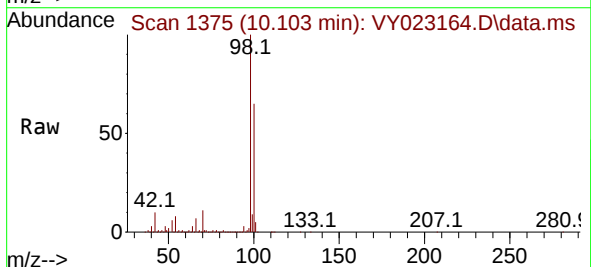
Acq: 20 Aug 2025 10:24

Tgt Ion: 98 Resp: 848402

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 89.392 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

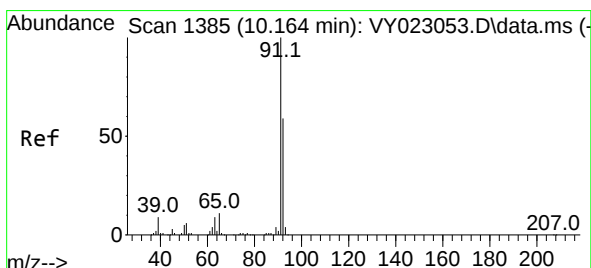
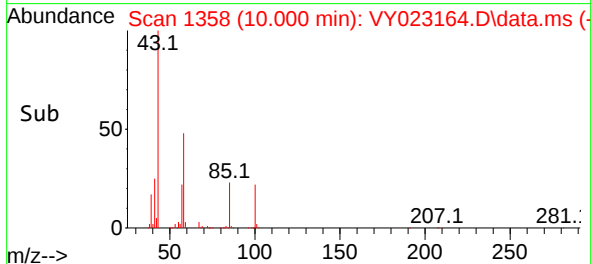
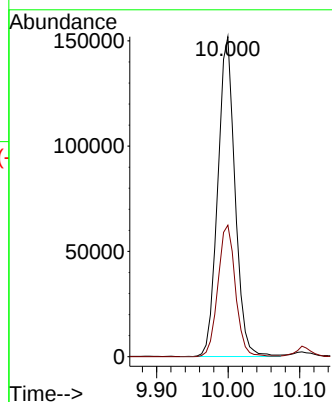
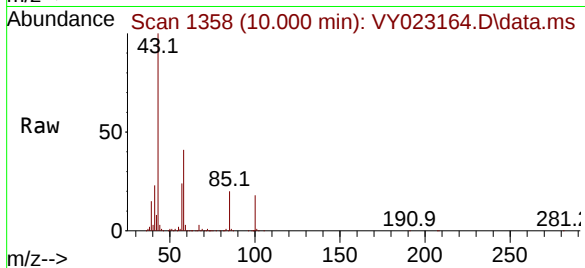
ClientSampleId :

Tgt Ion: 43 Resp: 254313

Ion Ratio Lower Upper

43 100

58 41.8 33.5 50.3



#52

Toluene

Concen: 20.509 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023164.D

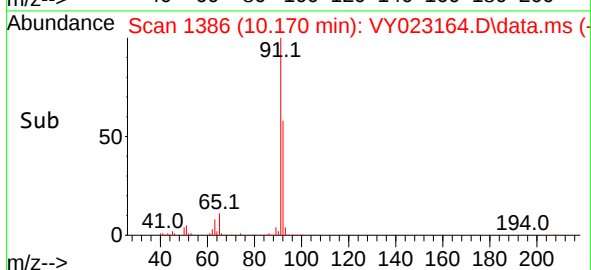
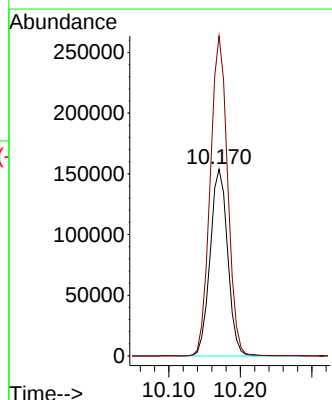
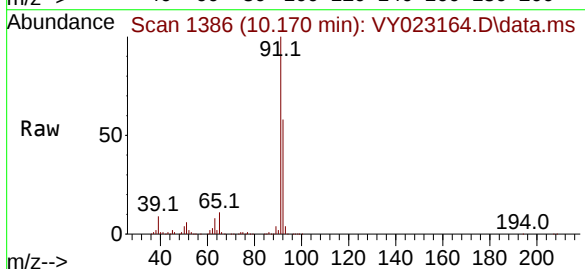
Acq: 20 Aug 2025 10:24

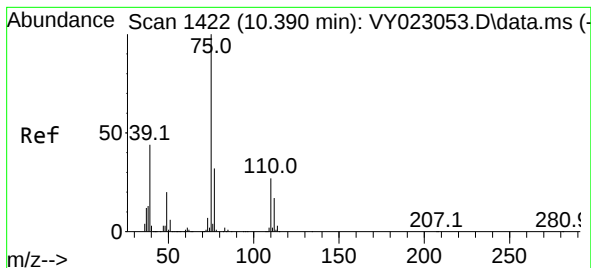
Tgt Ion: 92 Resp: 260797

Ion Ratio Lower Upper

92 100

91 171.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.360 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

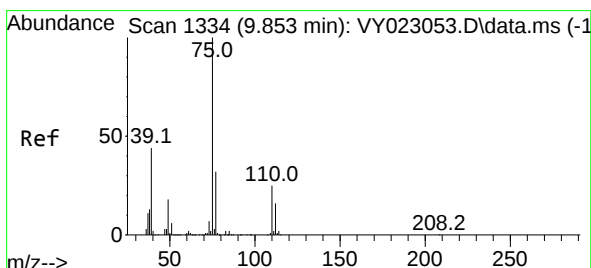
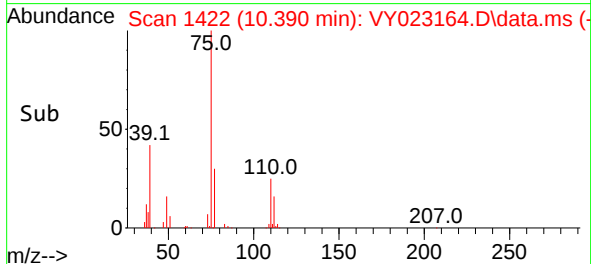
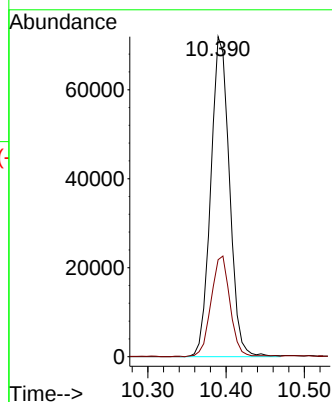
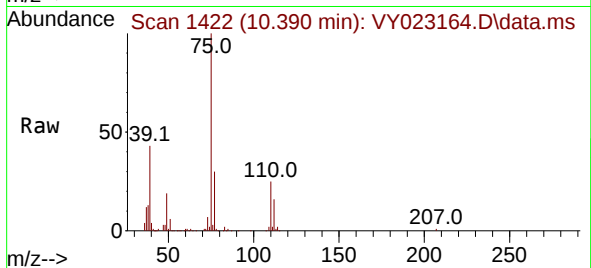
ClientSampleId :

Tgt Ion: 75 Resp: 119277

Ion Ratio Lower Upper

75 100

77 30.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.737 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

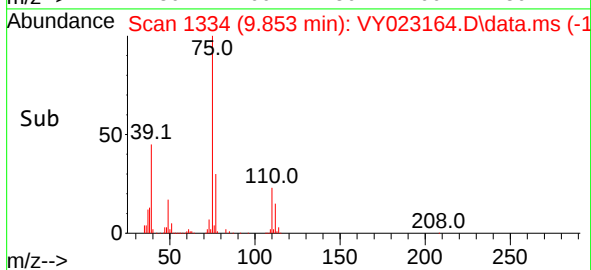
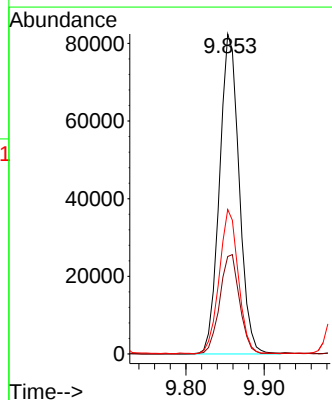
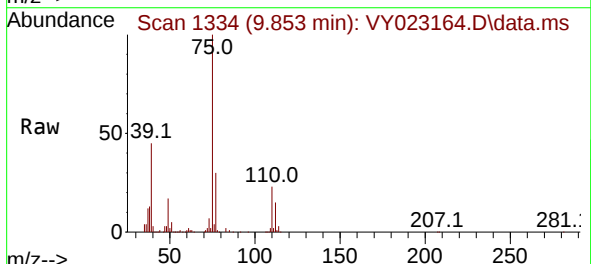
Tgt Ion: 75 Resp: 143792

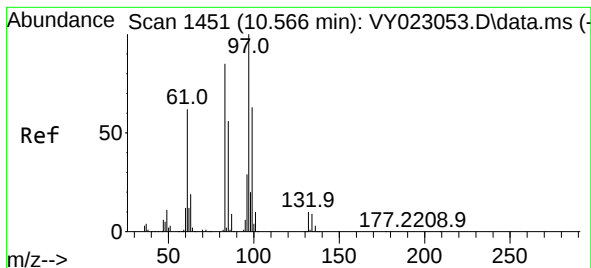
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 45.0 35.6 53.4



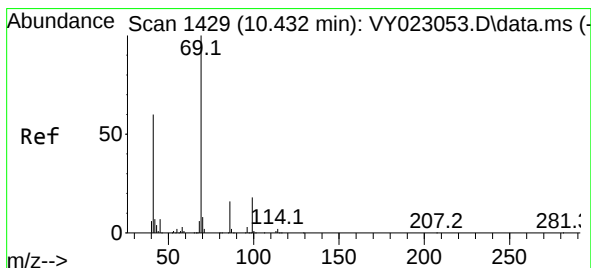
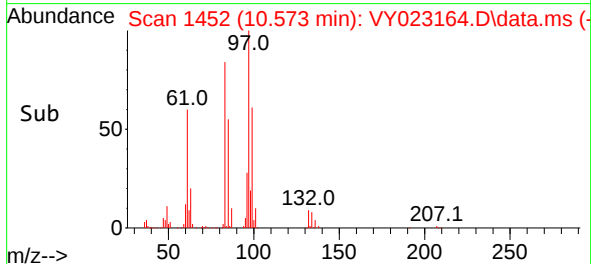
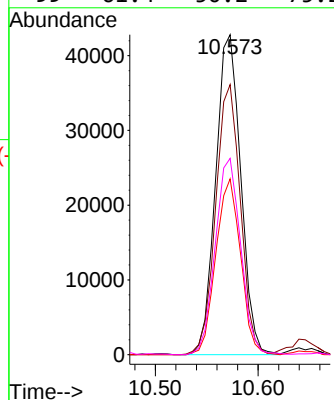
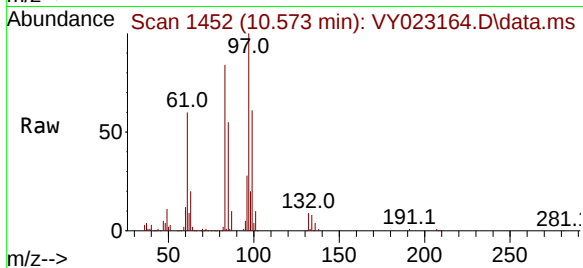


#55
1,1,2-Trichloroethane
Concen: 20.536 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 97 Resp: 72658

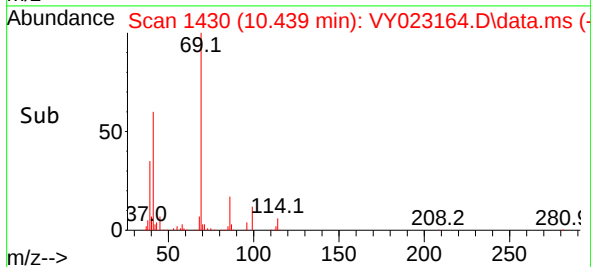
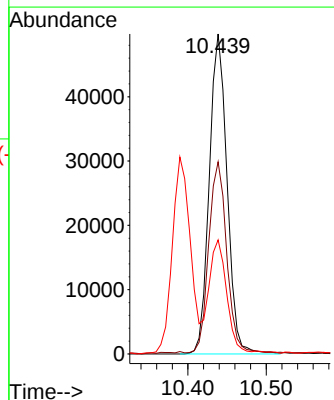
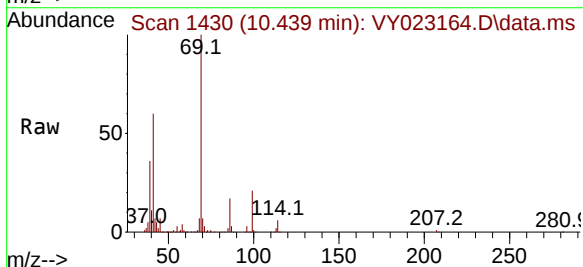
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.7	101.5
85	55.0	44.5	66.7
99	61.4	50.2	75.2

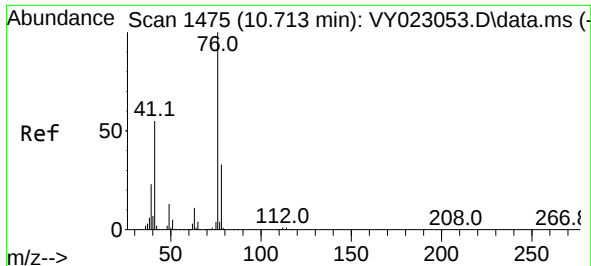


#56
Ethyl methacrylate
Concen: 17.322 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 69 Resp: 78424

Ion	Ratio	Lower	Upper
69	100		
41	60.3	48.6	72.8
39	35.1	27.0	40.4





#57

1,3-Dichloropropane

Concen: 19.754 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

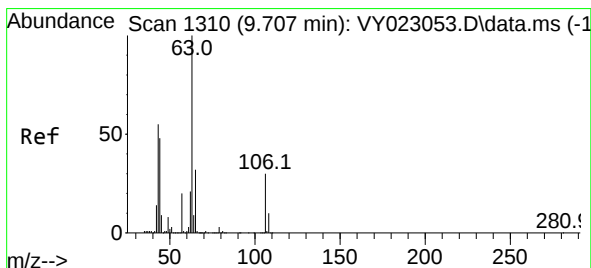
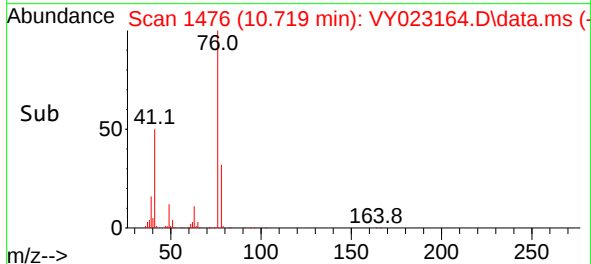
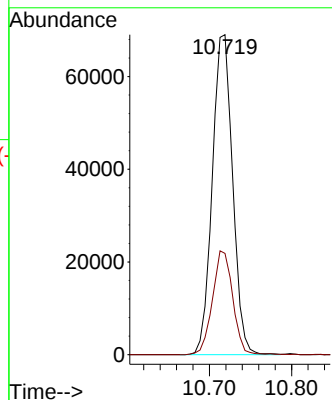
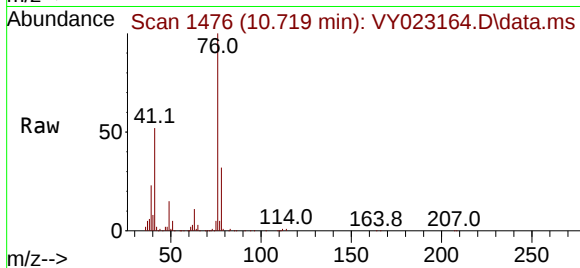
ClientSampleId :

Tgt Ion: 76 Resp: 118529

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 92.633 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023164.D

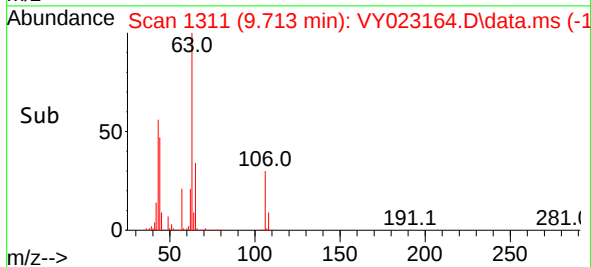
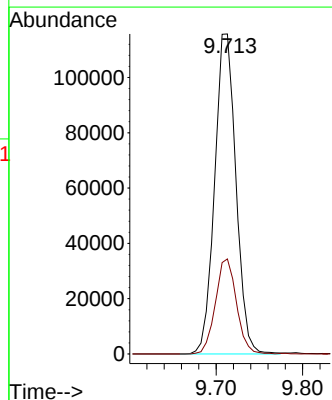
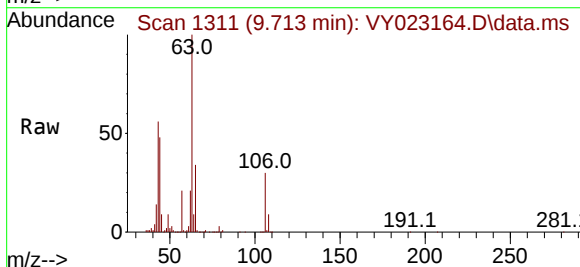
Acq: 20 Aug 2025 10:24

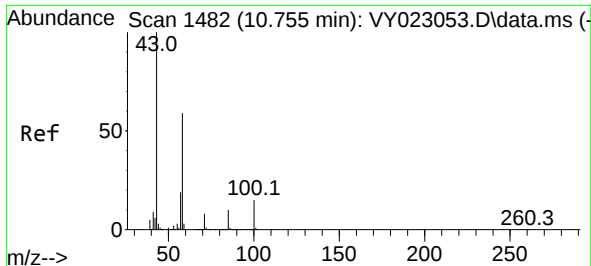
Tgt Ion: 63 Resp: 197822

Ion Ratio Lower Upper

63 100

106 29.3 23.2 34.8

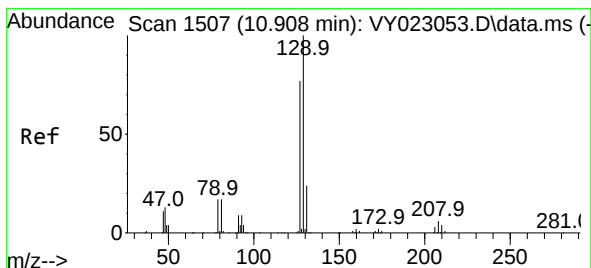
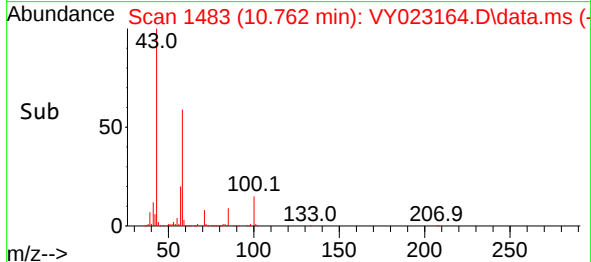
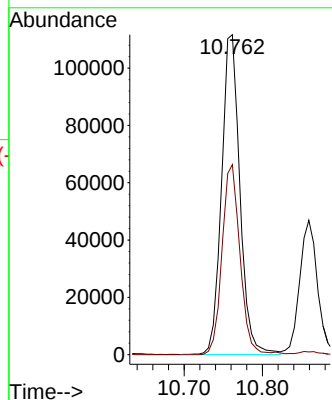
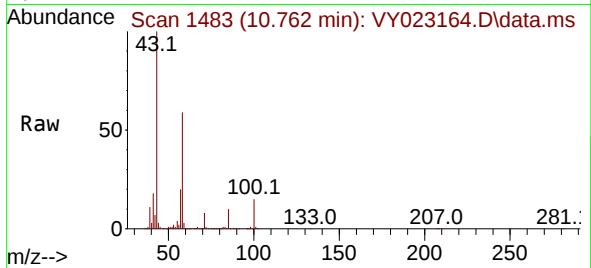




#59
2-Hexanone
Concen: 93.868 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

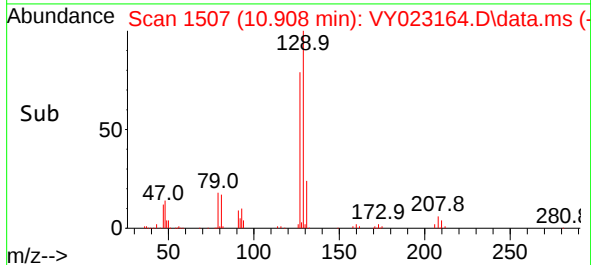
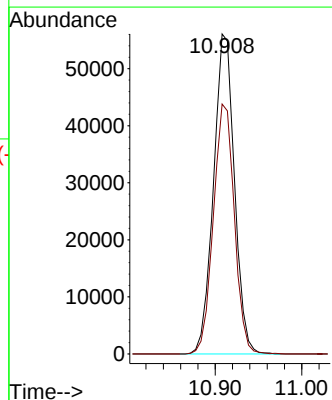
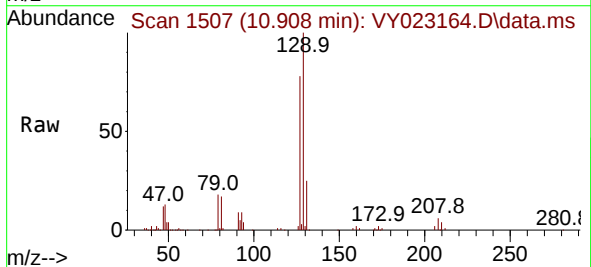
Instrument :
MSVOA_Y
ClientSampleId :

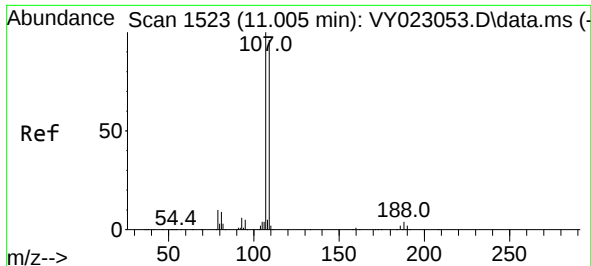
Tgt Ion: 43 Resp: 181841
Ion Ratio Lower Upper
43 100
58 58.3 29.5 88.5



#60
Dibromochloromethane
Concen: 20.157 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 129 Resp: 94101
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5

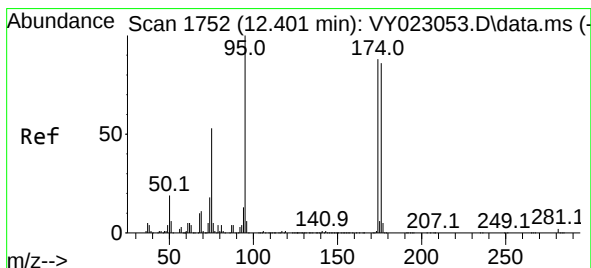
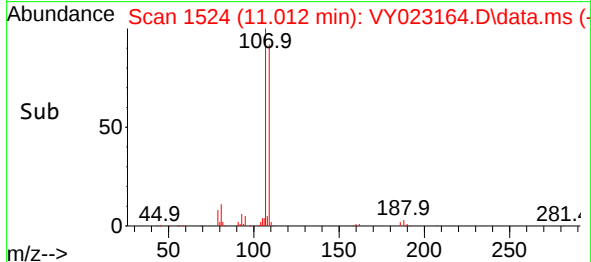
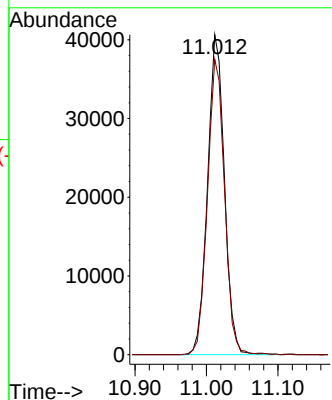
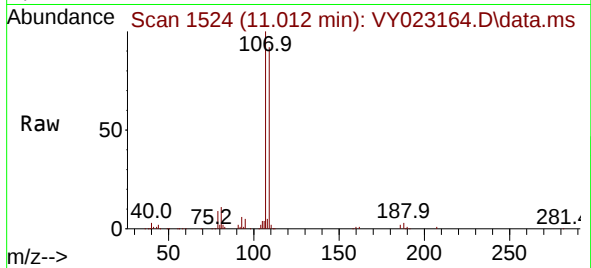




#61
1,2-Dibromoethane
Concen: 20.011 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

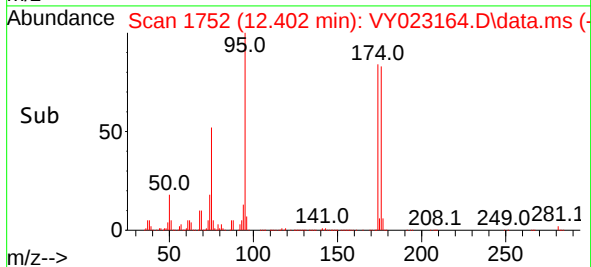
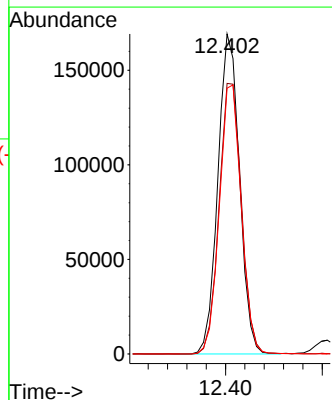
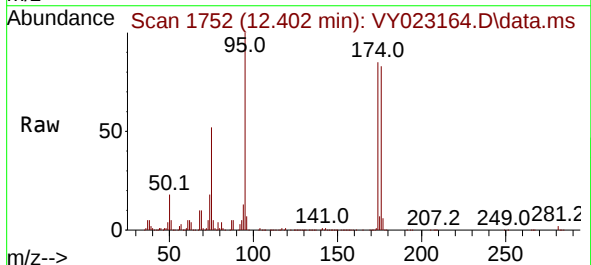
Instrument :
MSVOA_Y
ClientSampleId :

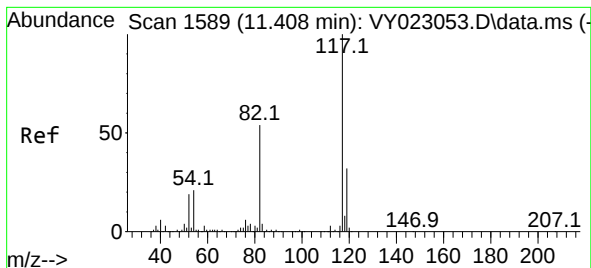
Tgt Ion:107 Resp: 66546
Ion Ratio Lower Upper
107 100
109 93.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 47.601 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

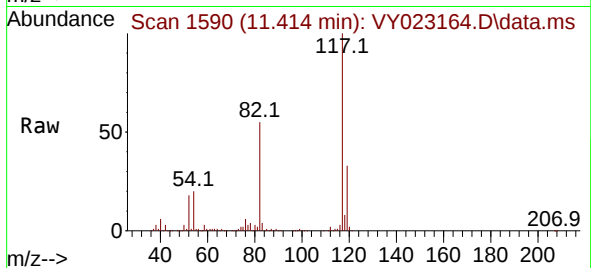
Tgt Ion: 95 Resp: 261400
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 85.4 0.0 167.6



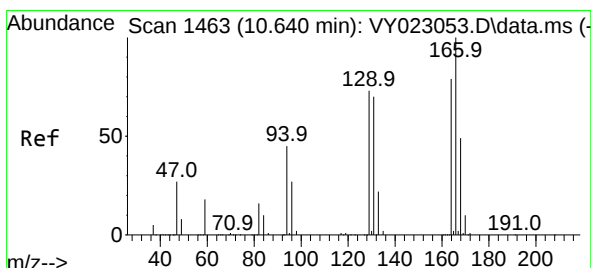
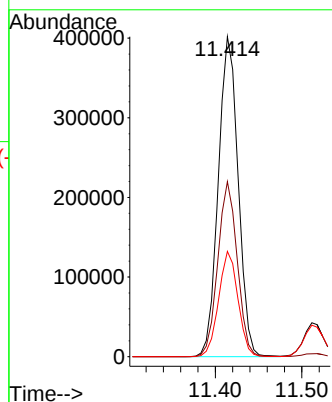
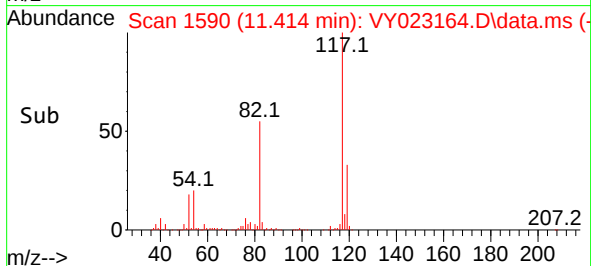


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

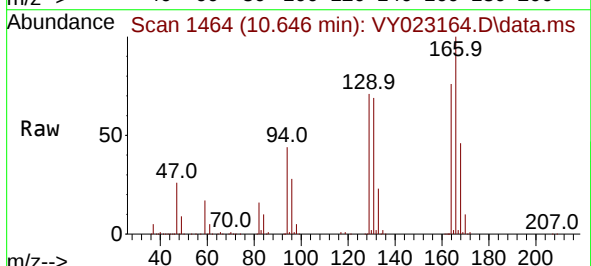
Instrument :
MSVOA_Y
ClientSampleId :



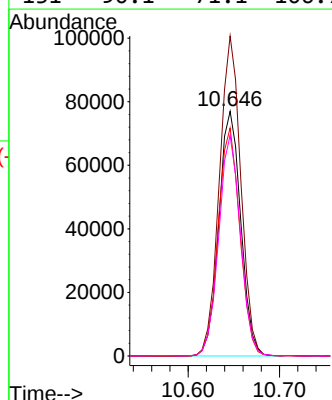
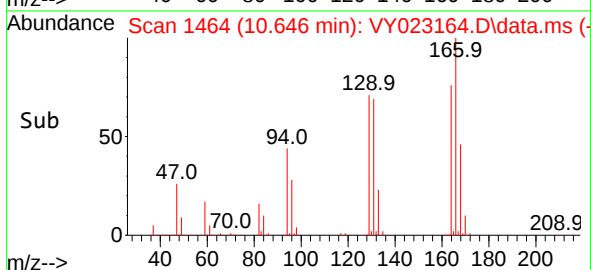
Tgt Ion:117 Resp: 640306
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.9 25.6 38.4

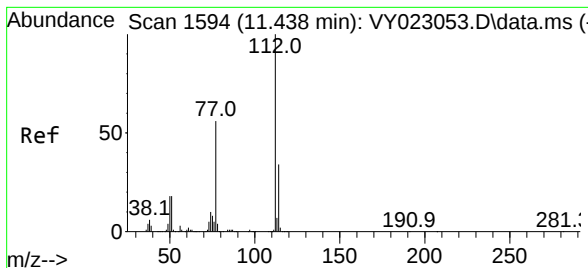


#64
Tetrachloroethene
Concen: 22.474 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24



Tgt Ion:164 Resp: 128497
Ion Ratio Lower Upper
164 100
166 130.8 101.1 151.7
129 93.2 74.0 111.0
131 90.1 71.1 106.7





#65

Chlorobenzene

Concen: 20.348 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

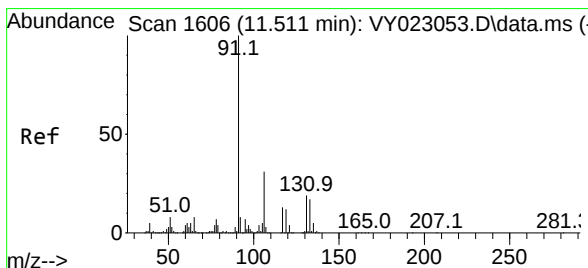
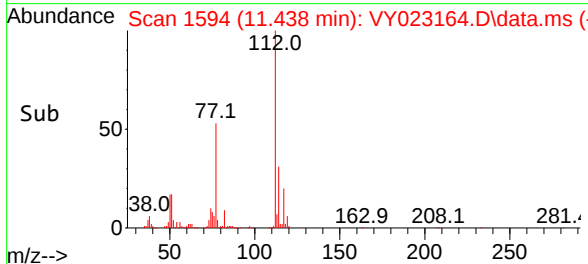
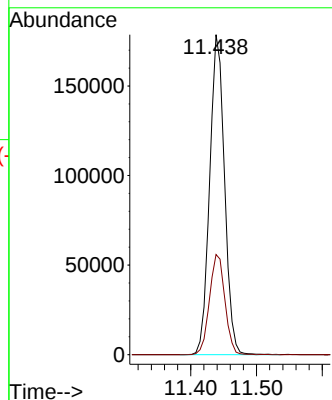
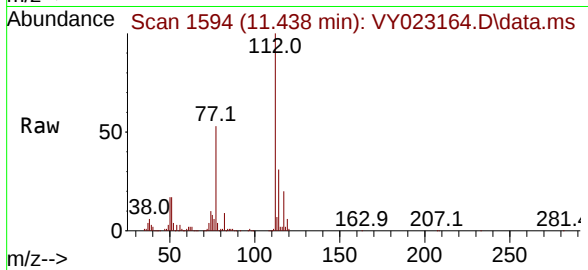
ClientSampleId :

Tgt Ion:112 Resp: 281033

Ion Ratio Lower Upper

112 100

114 31.3 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.438 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

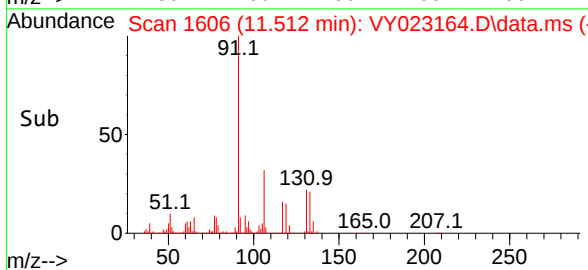
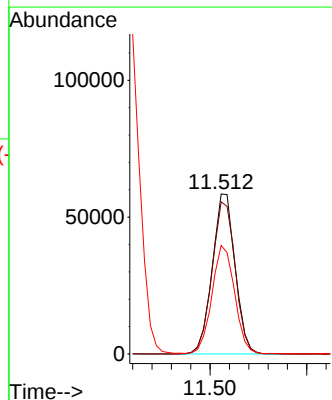
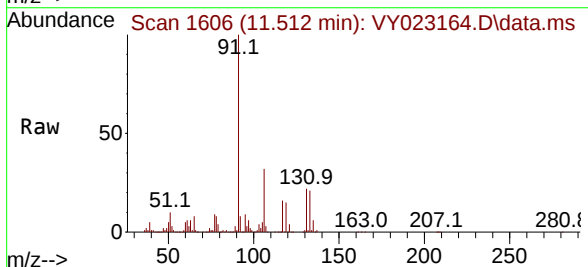
Tgt Ion:131 Resp: 95804

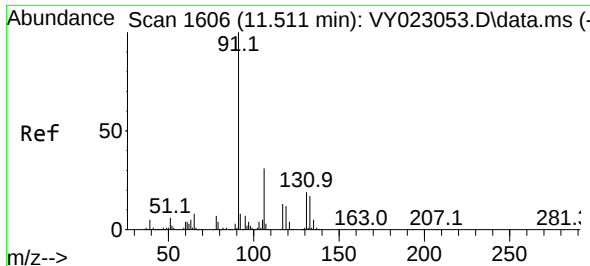
Ion Ratio Lower Upper

131 100

133 96.7 46.9 140.6

119 67.8 33.2 99.6





#67

Ethyl Benzene

Concen: 19.720 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

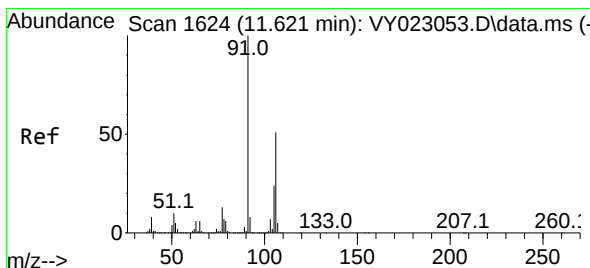
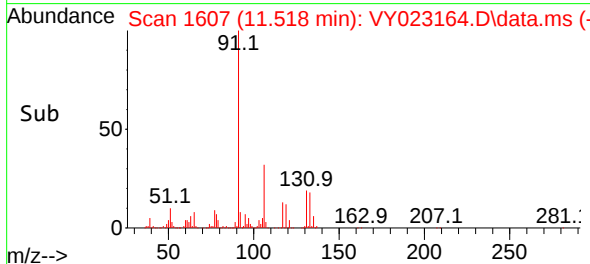
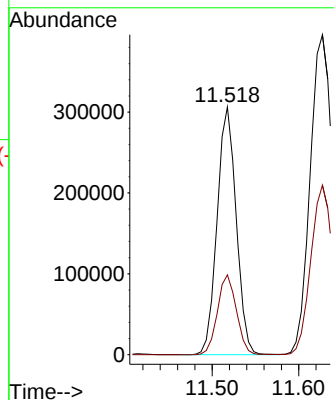
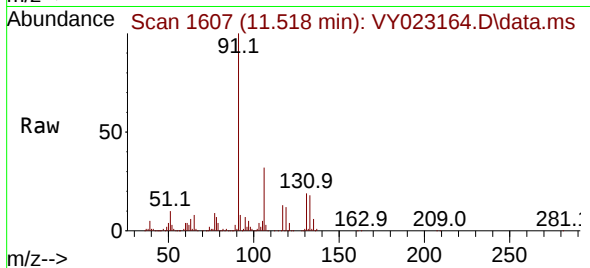
ClientSampleId :

Tgt Ion: 91 Resp: 468705

Ion Ratio Lower Upper

91 100

106 32.3 25.0 37.4



#68

m/p-Xylenes

Concen: 40.317 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023164.D

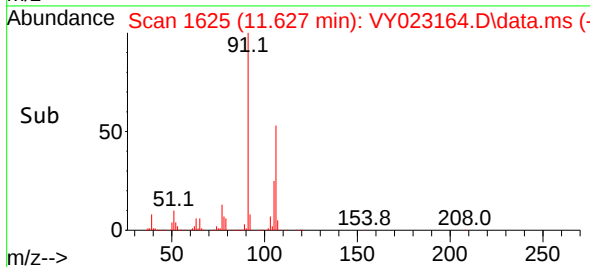
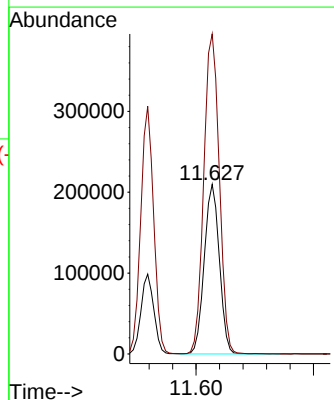
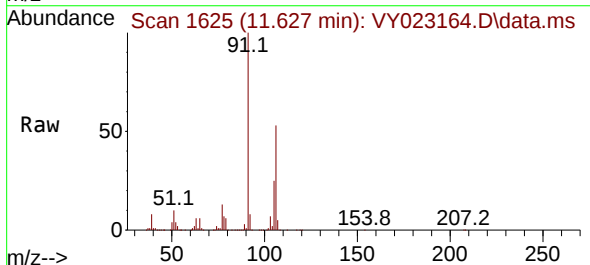
Acq: 20 Aug 2025 10:24

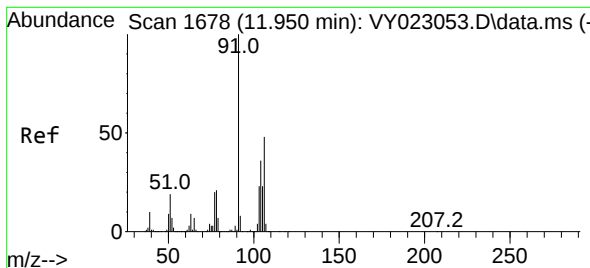
Tgt Ion:106 Resp: 374257

Ion Ratio Lower Upper

106 100

91 193.4 158.6 238.0





#69

o-Xylene

Concen: 19.476 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

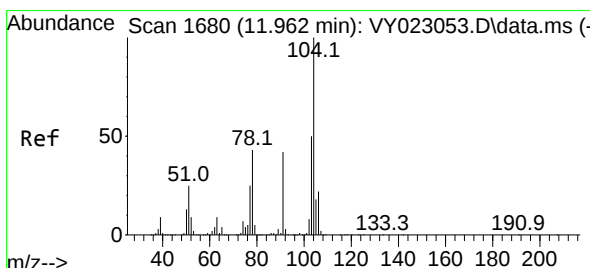
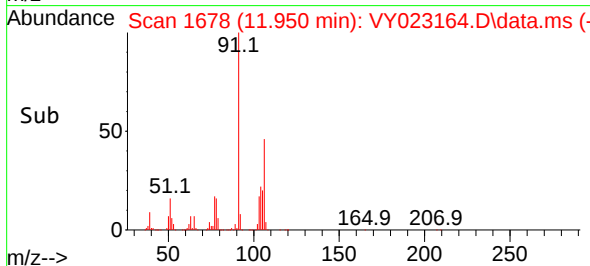
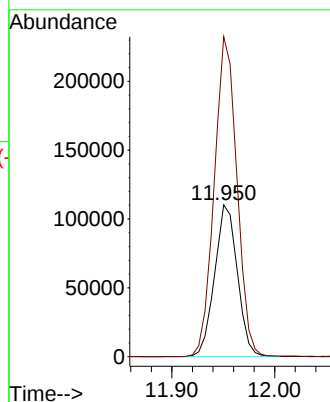
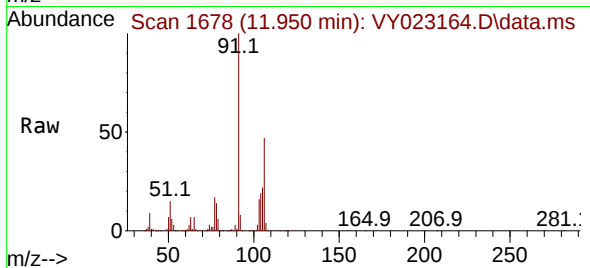
ClientSampleId :

Tgt Ion:106 Resp: 169335

Ion Ratio Lower Upper

106 100

91 210.8 103.2 309.4



#70

Styrene

Concen: 20.117 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

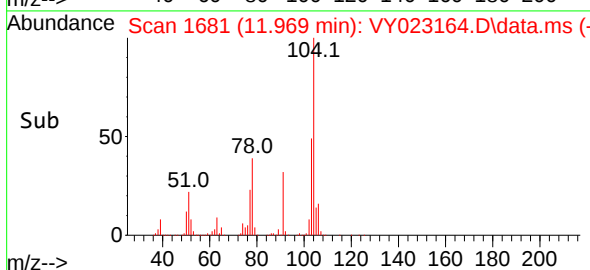
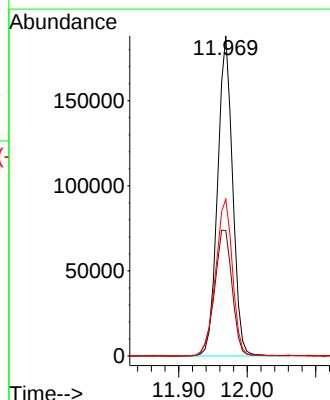
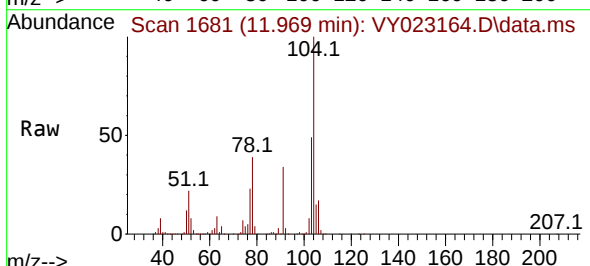
Tgt Ion:104 Resp: 286037

Ion Ratio Lower Upper

104 100

78 46.3 38.5 57.7

103 55.3 43.7 65.5





#71

Bromoform

Concen: 19.537 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

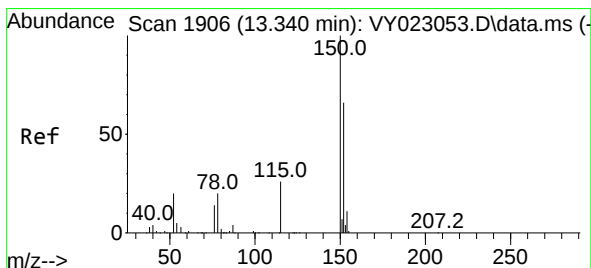
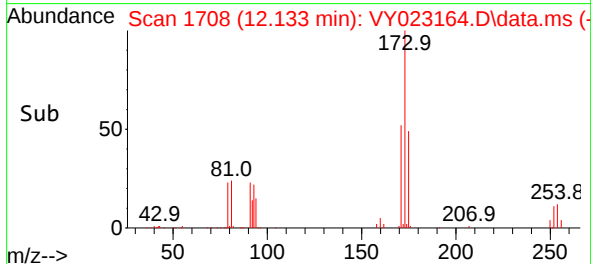
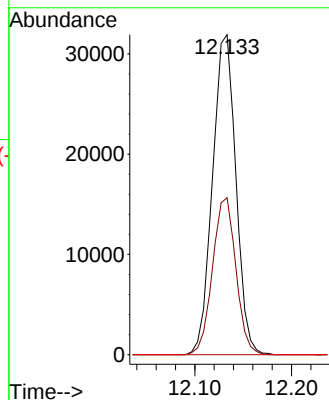
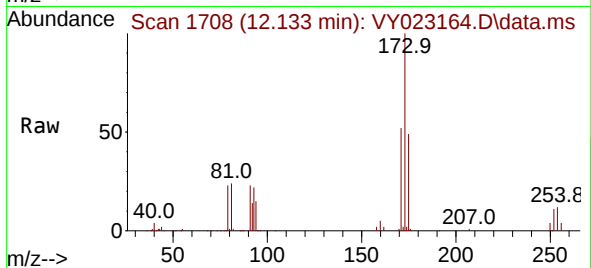
Tgt Ion:173 Resp: 53523

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

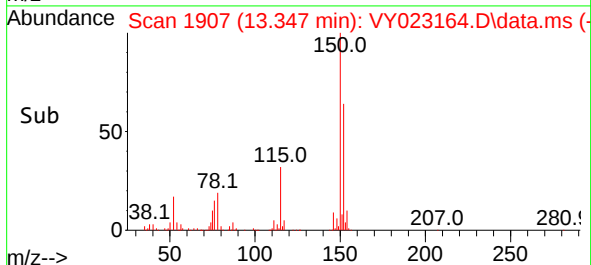
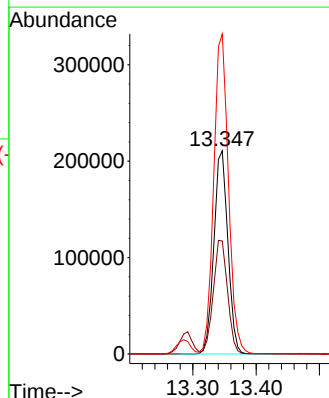
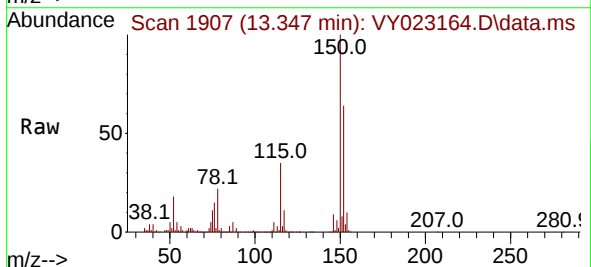
Tgt Ion:152 Resp: 323804

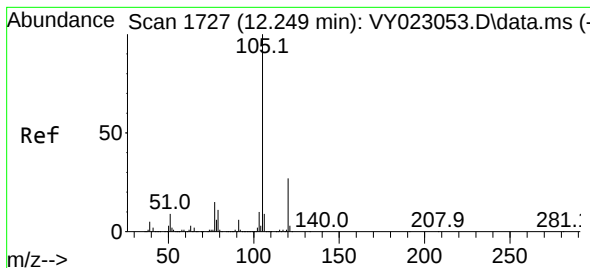
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.6

150 165.0 0.0 348.0





#73

Isopropylbenzene

Concen: 19.372 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

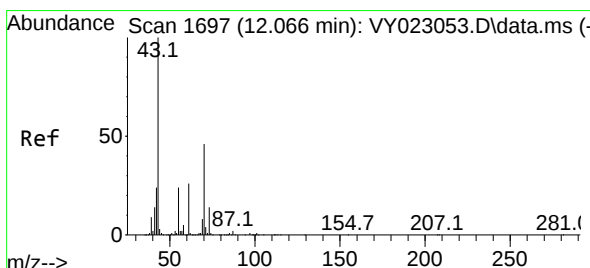
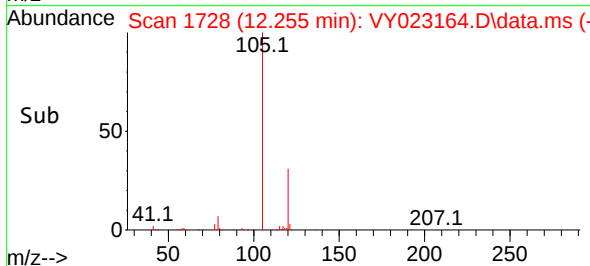
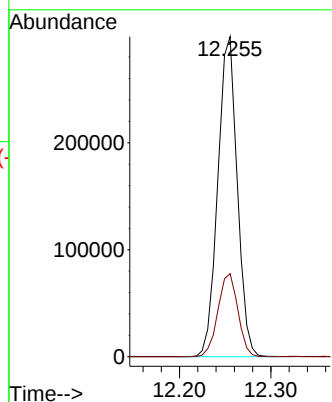
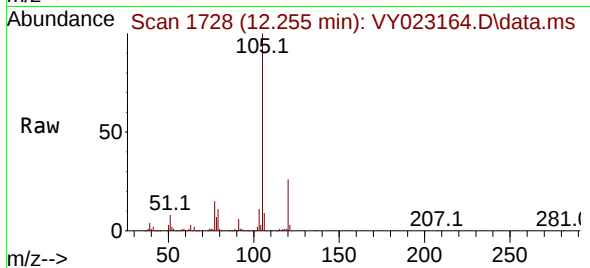
ClientSampleId :

Tgt Ion:105 Resp: 442733

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 16.246 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Tgt Ion: 43 Resp: 78737

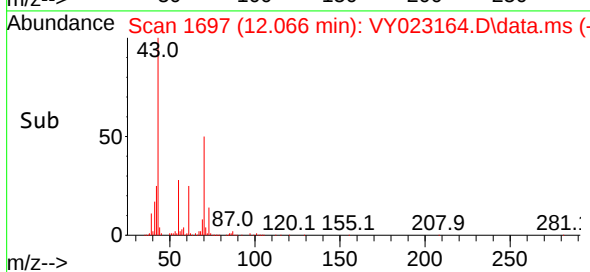
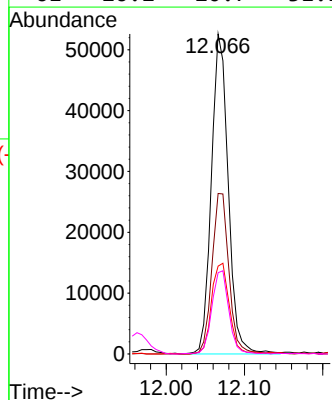
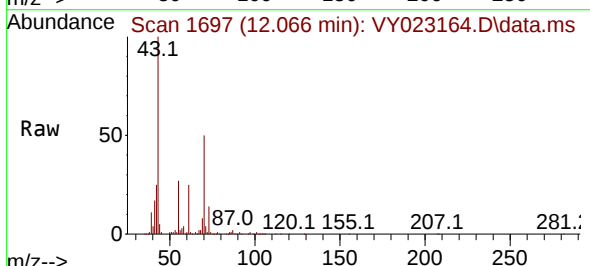
Ion Ratio Lower Upper

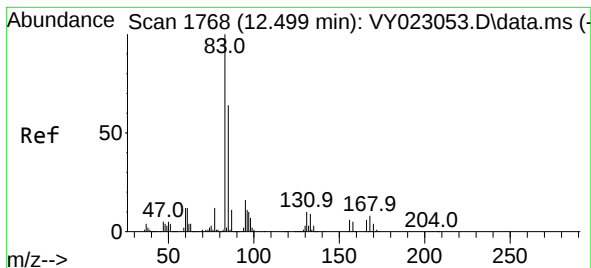
43 100

70 50.3 37.5 56.3

55 29.9 20.7 31.1

61 26.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.648 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

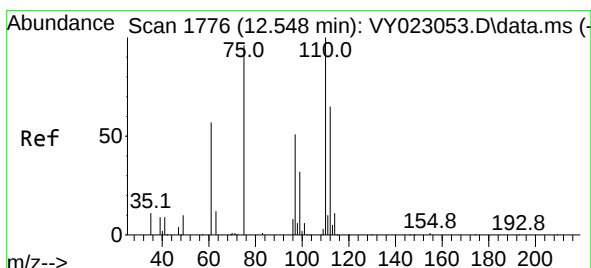
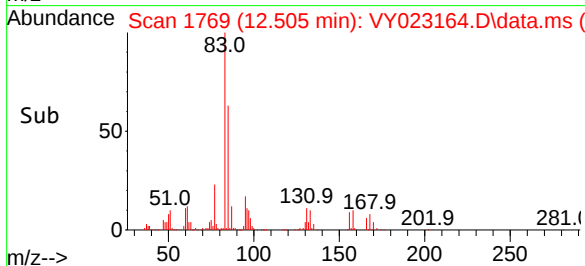
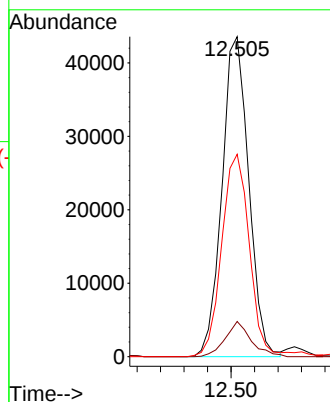
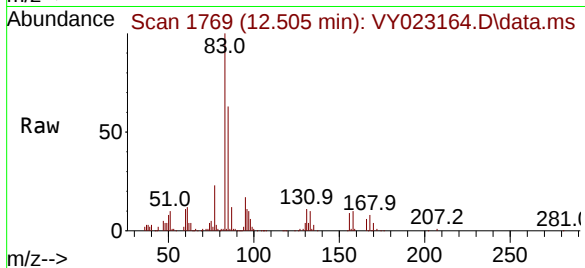
Tgt Ion: 83 Resp: 68865

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 66.2 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 31.101 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023164.D

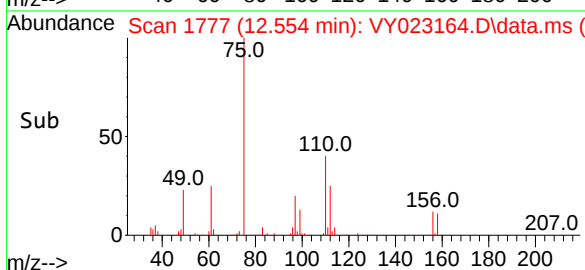
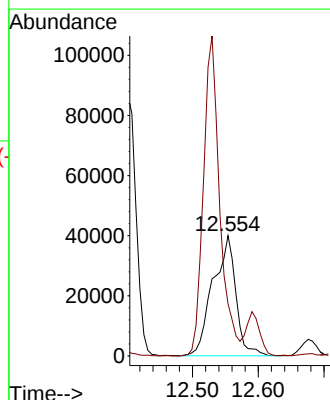
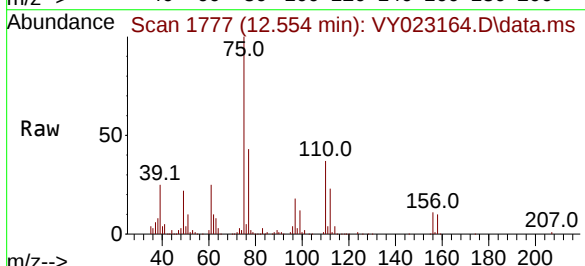
Acq: 20 Aug 2025 10:24

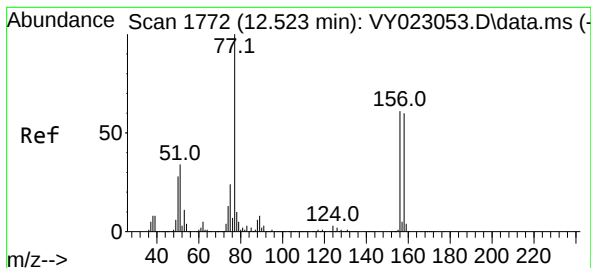
Tgt Ion: 75 Resp: 97193

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.387 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

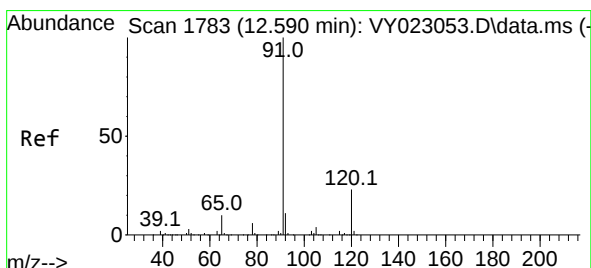
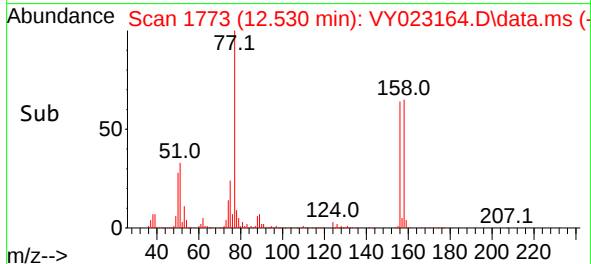
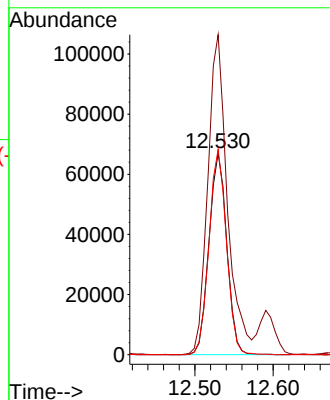
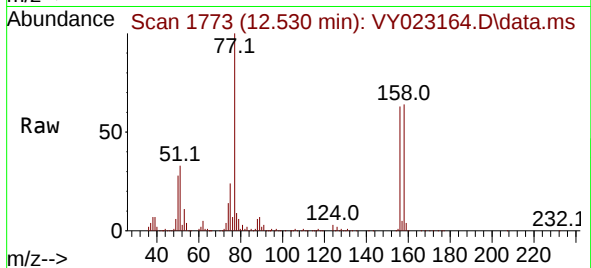
Tgt Ion:156 Resp: 105703

Ion Ratio Lower Upper

156 100

77 174.8 88.1 264.4

158 99.8 48.0 144.0



#78

n-propylbenzene

Concen: 19.675 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023164.D

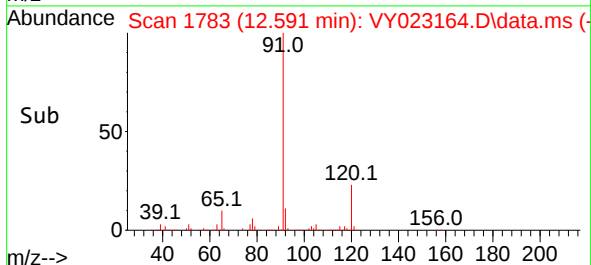
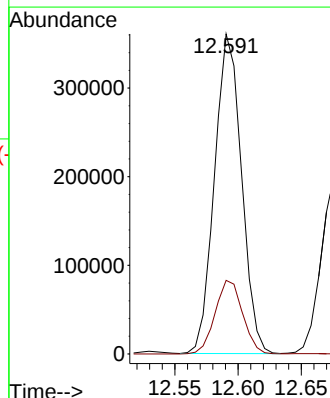
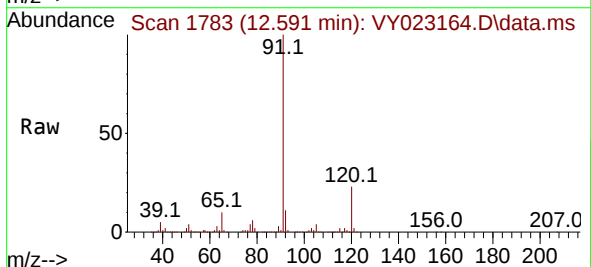
Acq: 20 Aug 2025 10:24

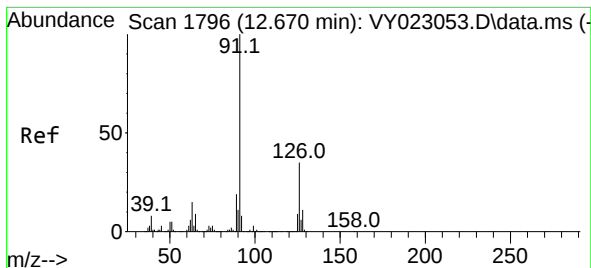
Tgt Ion: 91 Resp: 535326

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5

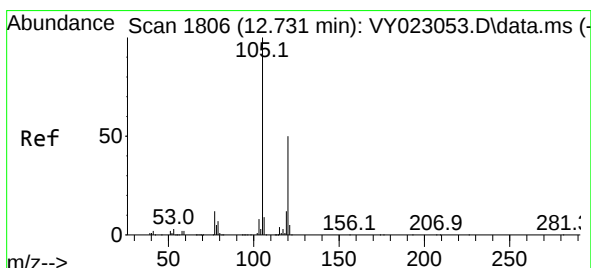
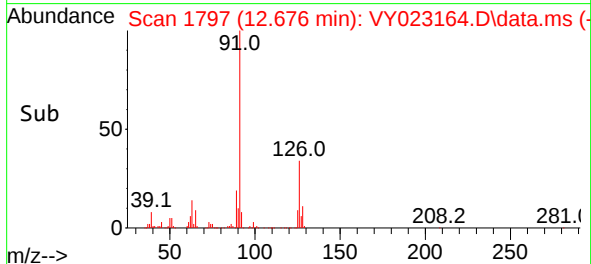
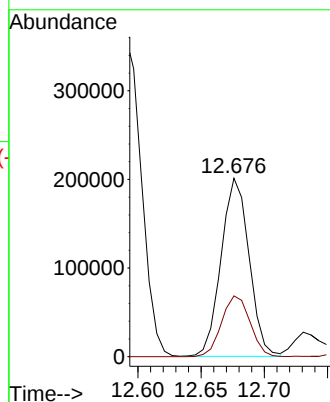
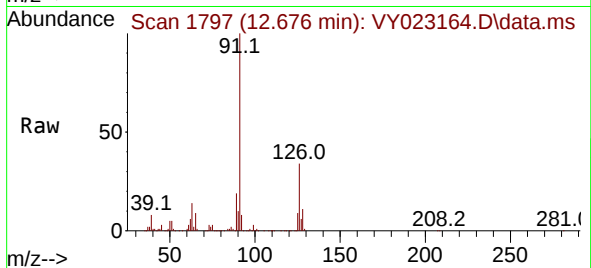




#79
2-Chlorotoluene
Concen: 19.846 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

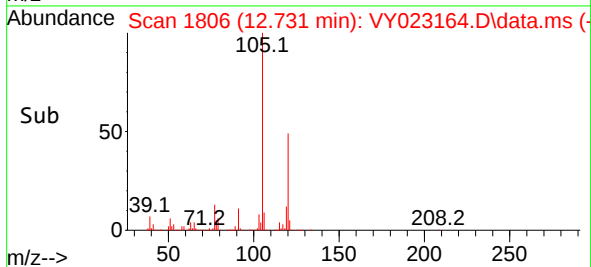
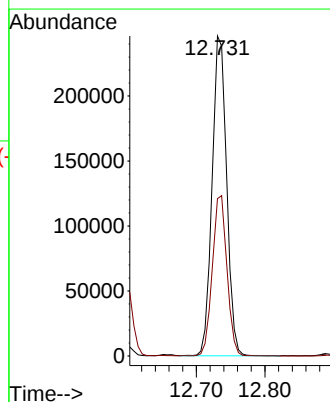
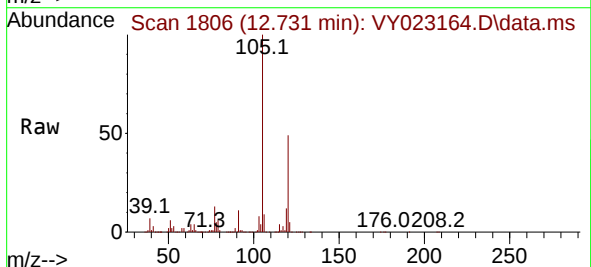
Instrument :
MSVOA_Y
ClientSampleId :

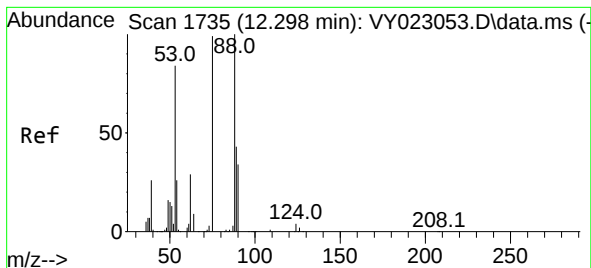
Tgt Ion: 91 Resp: 309392
Ion Ratio Lower Upper
91 100
126 34.7 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 19.690 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion:105 Resp: 363677
Ion Ratio Lower Upper
105 100
120 50.5 24.8 74.4

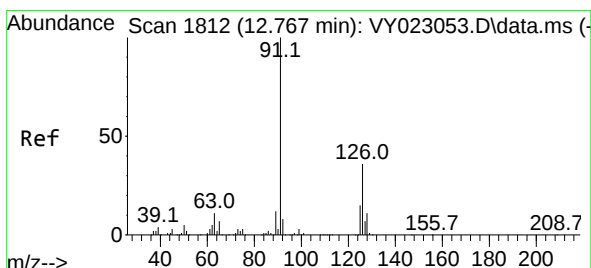
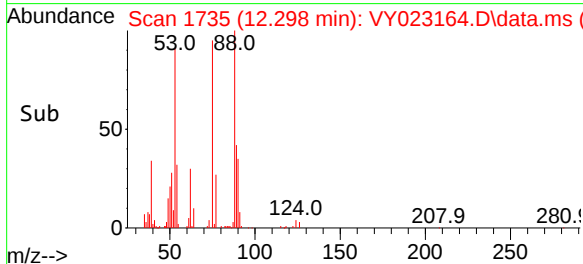
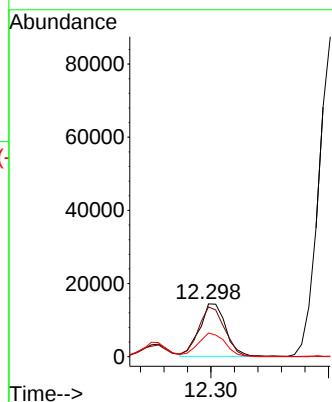
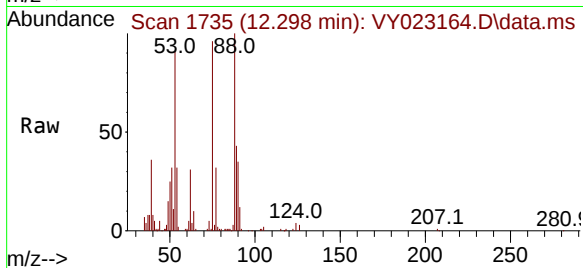




#81
trans-1,4-Dichloro-2-butene
Concen: 17.179 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

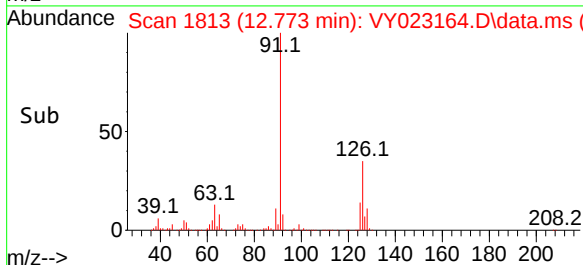
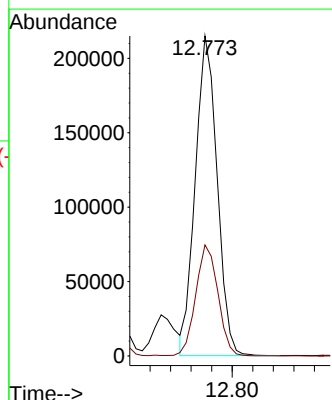
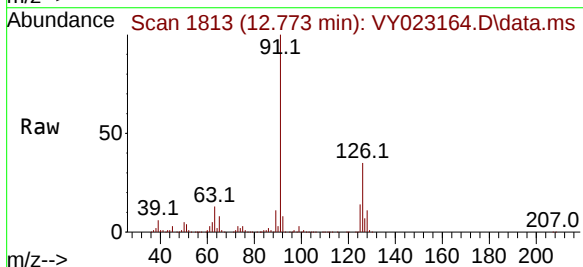
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22178
Ion Ratio Lower Upper
75 100
53 95.4 70.8 106.2
89 46.4 38.1 57.1



#82
4-Chlorotoluene
Concen: 19.613 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023164.D
Acq: 20 Aug 2025 10:24

Tgt Ion: 91 Resp: 317186
Ion Ratio Lower Upper
91 100
126 35.5 17.3 52.0





#83

tert-Butylbenzene

Concen: 19.539 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

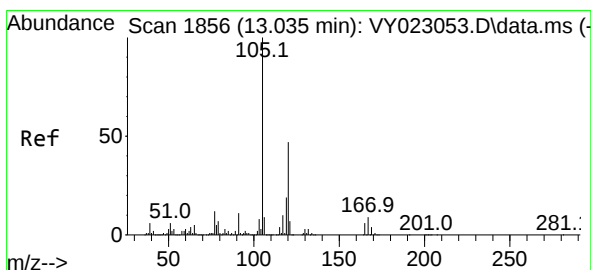
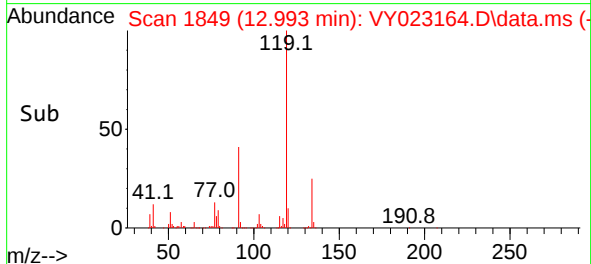
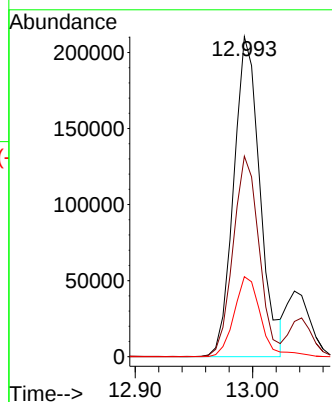
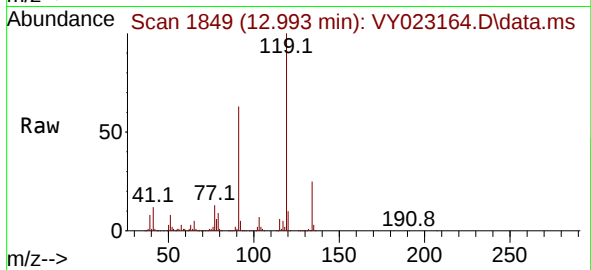
Tgt Ion:119 Resp: 325943

Ion Ratio Lower Upper

119 100

91 62.1 31.6 94.8

134 25.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 19.822 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023164.D

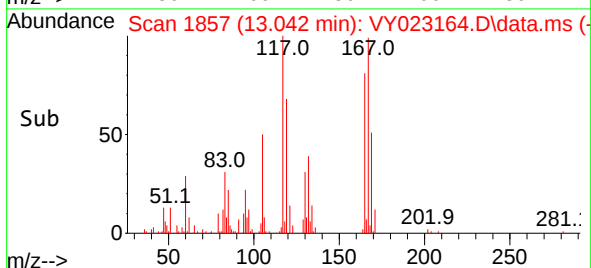
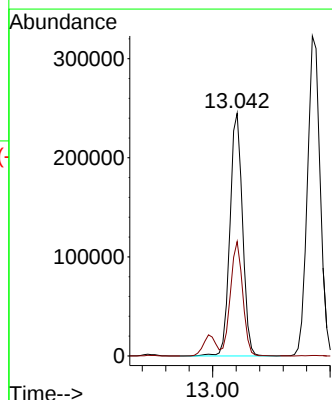
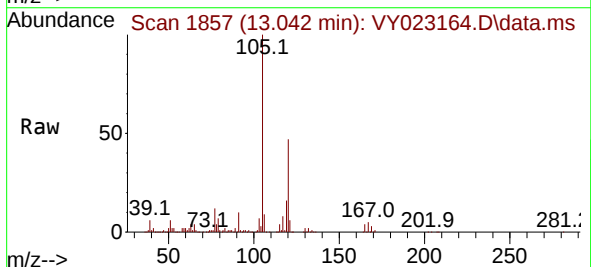
Acq: 20 Aug 2025 10:24

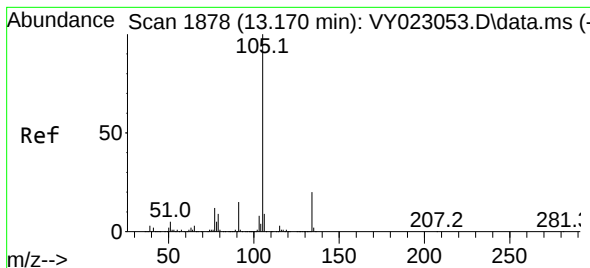
Tgt Ion:105 Resp: 364461

Ion Ratio Lower Upper

105 100

120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.767 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

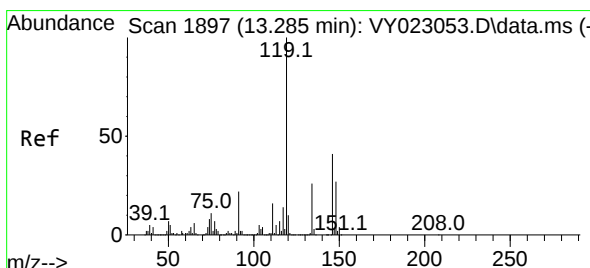
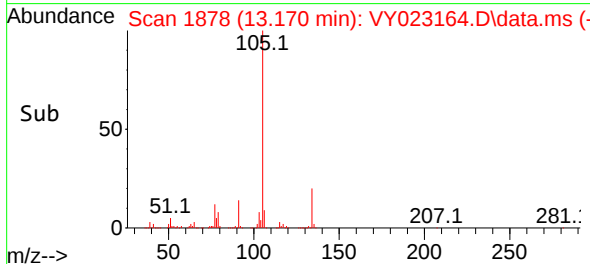
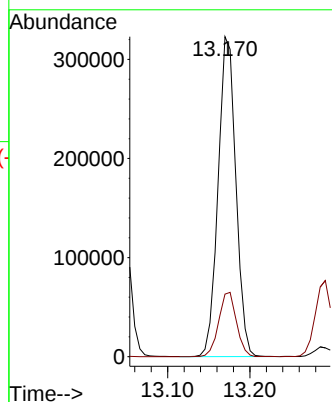
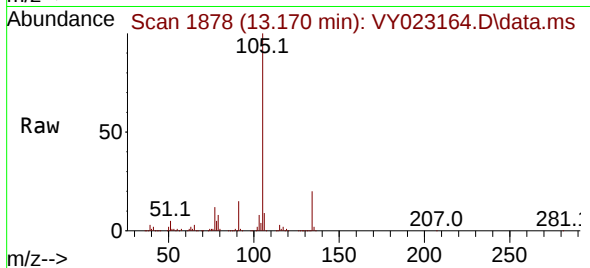
ClientSampleId :

Tgt Ion:105 Resp: 484397

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4



#86

p-Isopropyltoluene

Concen: 19.801 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

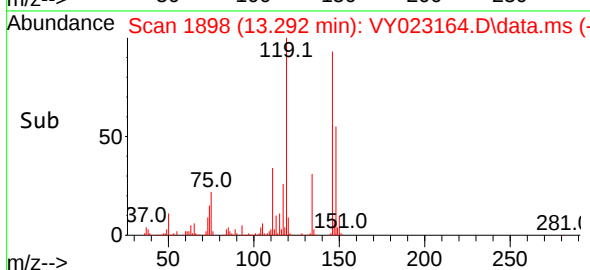
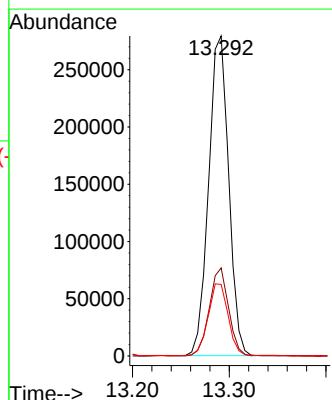
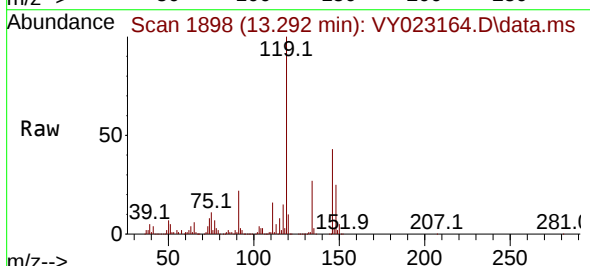
Tgt Ion:119 Resp: 402765

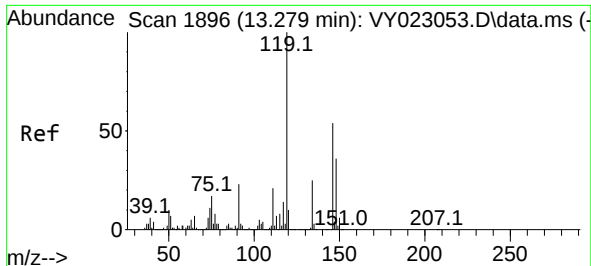
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.6

91 22.5 11.3 33.8

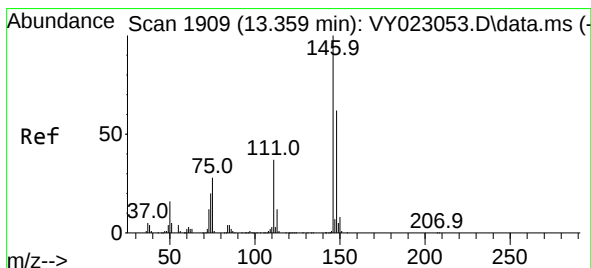
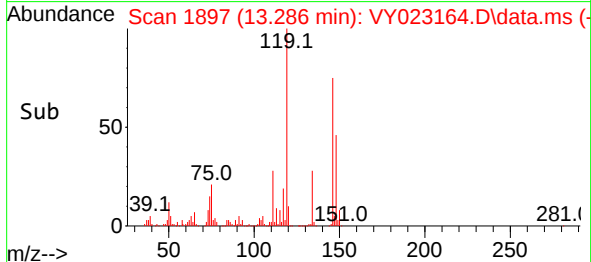
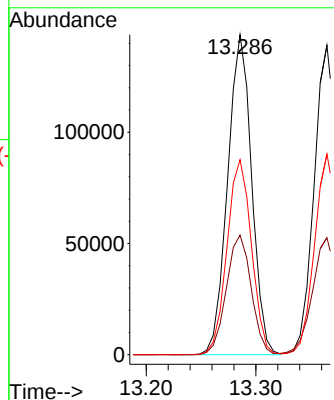
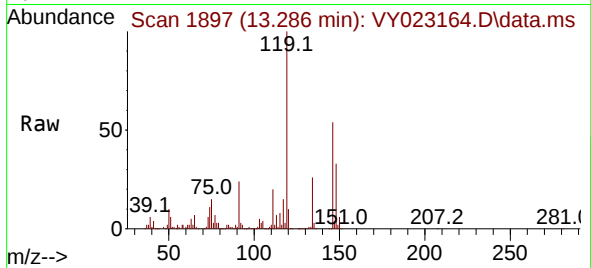




#87
 1,3-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 13.286 min Scan# 1896
 Delta R.T. 0.006 min
 Lab File: VY023164.D
 Acq: 20 Aug 2025 10:24

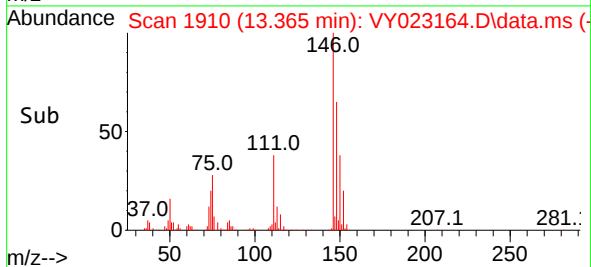
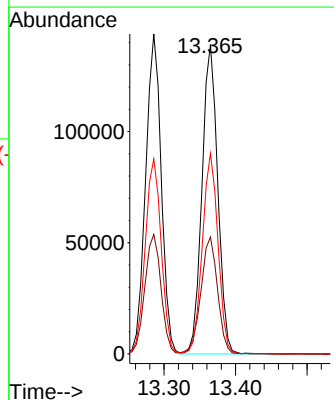
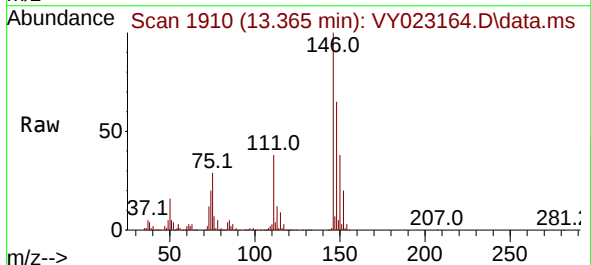
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:146 Resp: 218878
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 62.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.976 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.006 min
 Lab File: VY023164.D
 Acq: 20 Aug 2025 10:24

Tgt Ion:146 Resp: 213060
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.1
 148 64.5 31.6 94.7





#89

n-Butylbenzene

Concen: 19.275 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

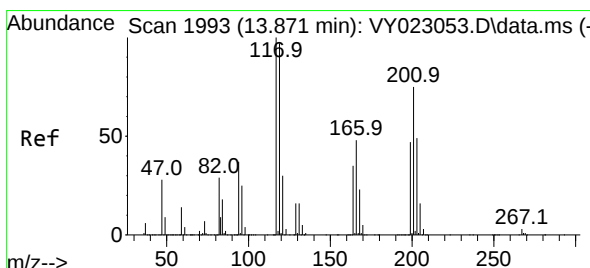
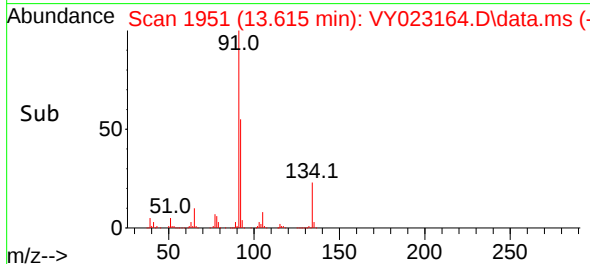
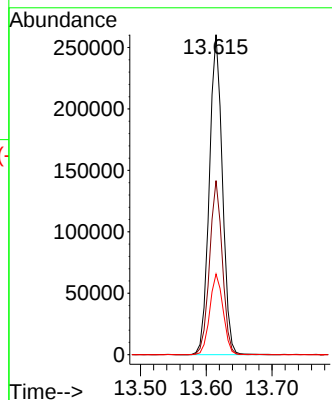
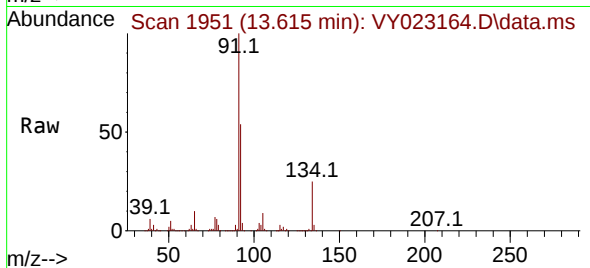
Tgt Ion: 91 Resp: 360095

Ion Ratio Lower Upper

91 100

92 53.0 26.9 80.7

134 25.7 13.2 39.5



#90

Hexachloroethane

Concen: 20.102 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023164.D

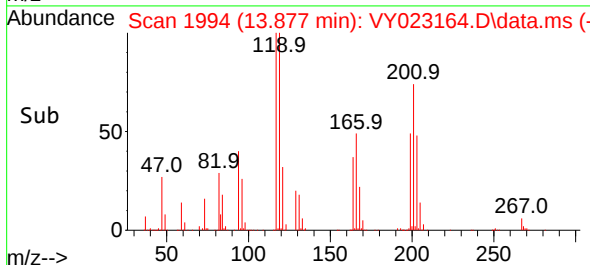
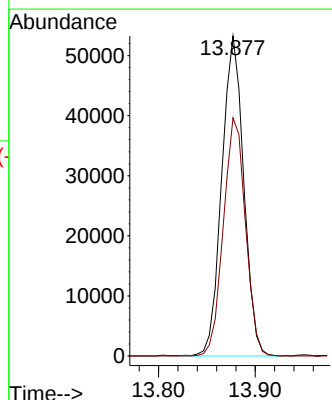
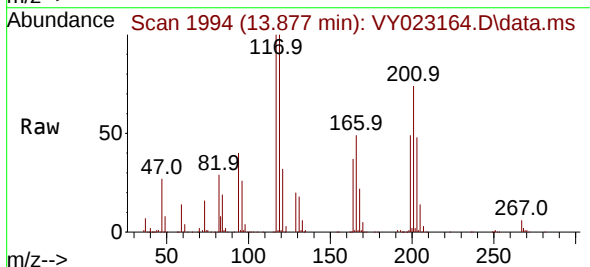
Acq: 20 Aug 2025 10:24

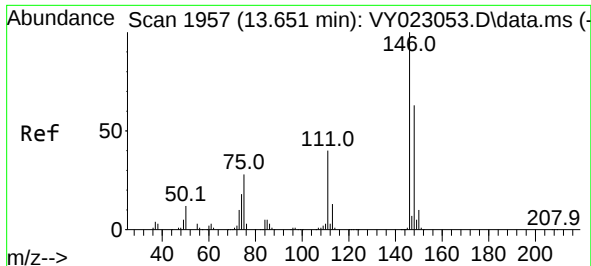
Tgt Ion: 117 Resp: 83702

Ion Ratio Lower Upper

117 100

201 75.1 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 19.661 ug/l

RT: 13.657 min Scan# 1957

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

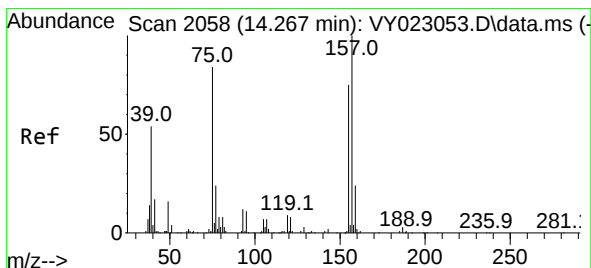
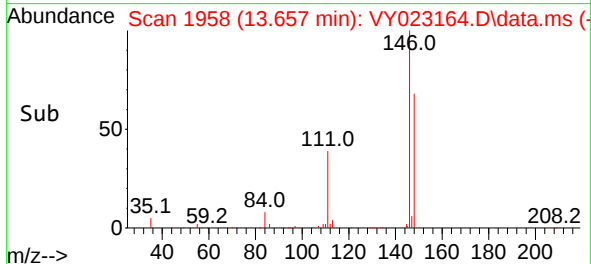
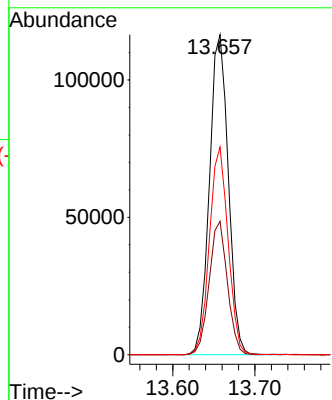
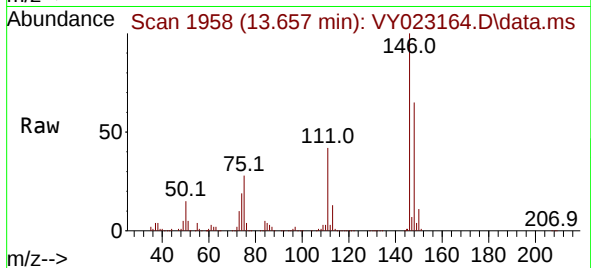
Tgt Ion:146 Resp: 185391

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

148 64.3 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.468 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

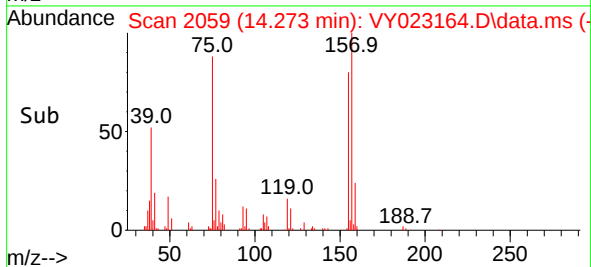
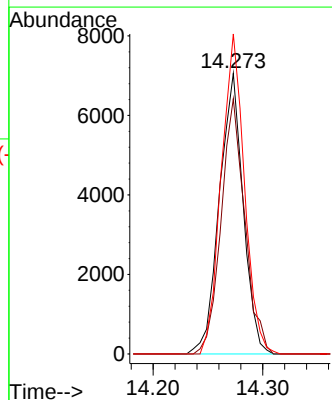
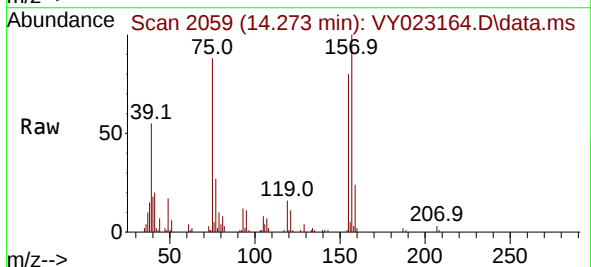
Tgt Ion: 75 Resp: 10613

Ion Ratio Lower Upper

75 100

155 90.5 43.9 131.6

157 111.3 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 18.167 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

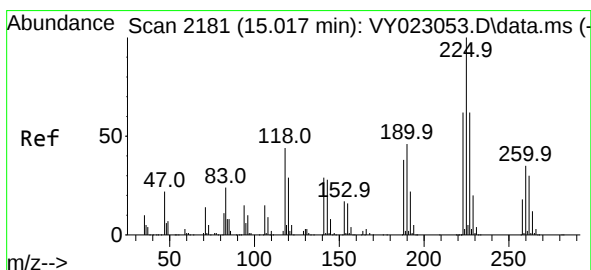
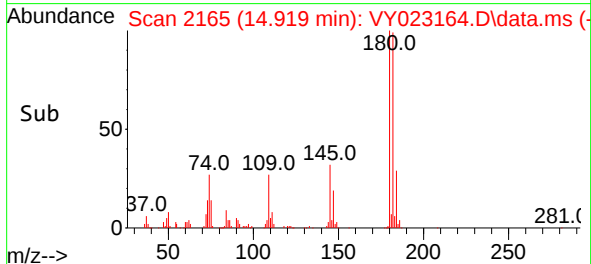
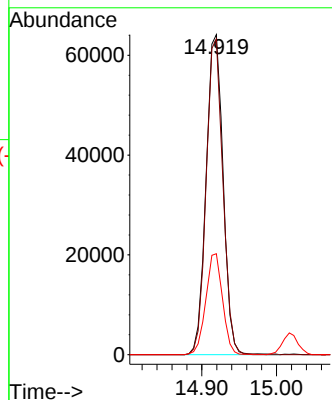
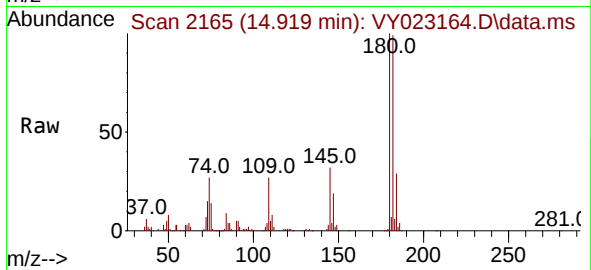
Tgt Ion:180 Resp: 101300

Ion Ratio Lower Upper

180 100

182 96.7 46.8 140.4

145 31.1 14.4 43.4



#94

Hexachlorobutadiene

Concen: 19.692 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

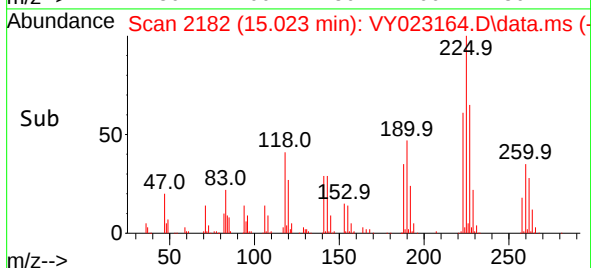
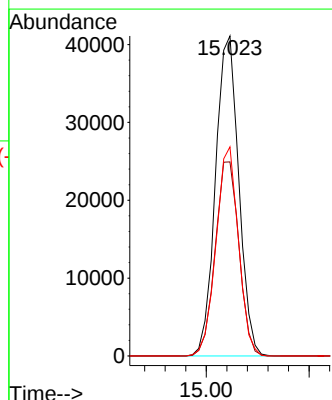
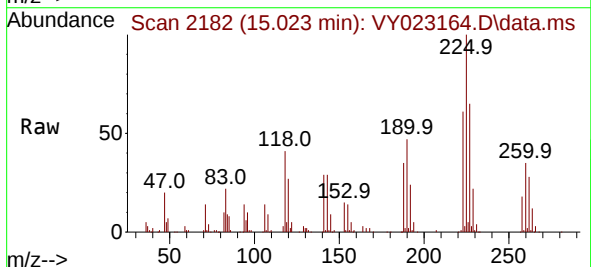
Tgt Ion:225 Resp: 64526

Ion Ratio Lower Upper

225 100

223 61.9 31.3 93.8

227 62.9 31.5 94.5





#95

Naphthalene

Concen: 15.895 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Instrument :

MSVOA_Y

ClientSampleId :

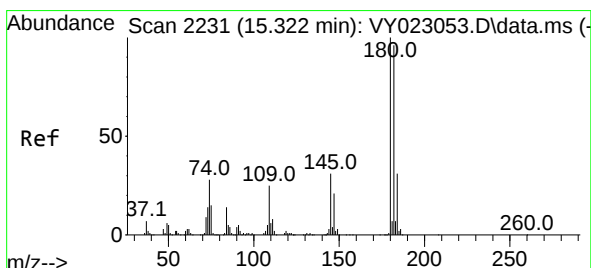
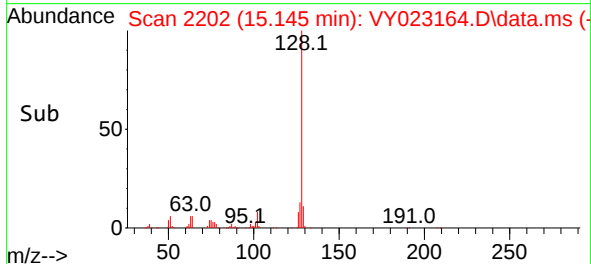
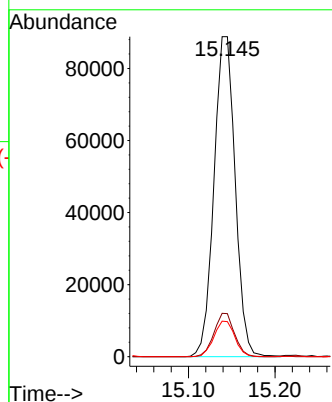
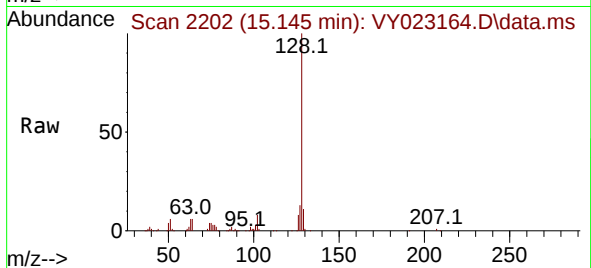
Tgt Ion:128 Resp: 151141

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.0 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 18.337 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023164.D

Acq: 20 Aug 2025 10:24

Tgt Ion:180 Resp: 88110

Ion Ratio Lower Upper

180 100

182 93.0 47.9 143.7

145 31.0 15.9 47.7

