

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023186.D
 Acq On : 22 Aug 2025 12:05
 Operator : SY/MD
 Sample : VY0822SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS01

Quant Time: Aug 25 05:13:14 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	478936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	742661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	649397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	324962	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	216379	47.404	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.800%
35) Dibromofluoromethane	7.634	113	226851	51.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.103	98	883998	50.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.840%
62) 4-Bromofluorobenzene	12.401	95	270668	48.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	84964	21.734	ug/l	100
3) Chloromethane	2.068	50	128055	20.224	ug/l	99
4) Vinyl Chloride	2.202	62	165848	21.189	ug/l	98
5) Bromomethane	2.592	94	133508	22.840	ug/l	99
6) Chloroethane	2.732	64	110050	21.149	ug/l	100
7) Trichlorofluoromethane	3.055	101	198635	20.871	ug/l	99
8) Diethyl Ether	3.458	74	51199	20.333	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	100863	21.481	ug/l	98
10) Methyl Iodide	4.000	142	108619	21.438	ug/l	99
11) Tert butyl alcohol	4.854	59	26909	86.037	ug/l	99
12) 1,1-Dichloroethene	3.793	96	96709	20.954	ug/l	92
13) Acrolein	3.653	56	29301	63.970	ug/l	96
14) Allyl chloride	4.384	41	128870	18.977	ug/l	98
15) Acrylonitrile	5.055	53	96600	94.365	ug/l	98
16) Acetone	3.866	43	113156	114.427	ug/l	97
17) Carbon Disulfide	4.104	76	308324	20.489	ug/l	97
18) Methyl Acetate	4.384	43	52872	17.967	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	224603	18.780	ug/l	99
20) Methylene Chloride	4.616	84	136514	25.219	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	109234	21.061	ug/l	97
22) Diisopropyl ether	6.018	45	286998	19.448	ug/l	97
23) Vinyl Acetate	5.957	43	750873	92.021	ug/l	100
24) 1,1-Dichloroethane	5.921	63	185369	20.546	ug/l	97
25) 2-Butanone	6.890	43	136197	101.267	ug/l	92
26) 2,2-Dichloropropane	6.884	77	161750	20.777	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	121617	20.283	ug/l	98
28) Bromochloromethane	7.244	49	69737	19.483	ug/l	94
29) Tetrahydrofuran	7.262	42	73637	88.329	ug/l	98
30) Chloroform	7.420	83	195484	21.009	ug/l	95
31) Cyclohexane	7.701	56	165731	19.493	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	172772	20.926	ug/l	100
36) 1,1-Dichloropropene	7.835	75	141443	21.417	ug/l	99
37) Ethyl Acetate	6.987	43	51488	18.559	ug/l	98
38) Carbon Tetrachloride	7.817	117	155727	21.710	ug/l	99
39) Methylcyclohexane	9.109	83	178754	20.554	ug/l	97
40) Benzene	8.079	78	436293	21.434	ug/l	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	26238	16.388	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	108713	20.535	ug/l	99
43) Isopropyl Acetate	8.201	43	101233	18.054	ug/l	96
44) Trichloroethene	8.865	130	118089	22.449	ug/l	97
45) 1,2-Dichloropropane	9.140	63	98214	20.970	ug/l	98
46) Dibromomethane	9.231	93	57132	21.253	ug/l	100
47) Bromodichloromethane	9.420	83	146522	21.183	ug/l	98
48) Methyl methacrylate	9.219	41	45980	17.137	ug/l	89
49) 1,4-Dioxane	9.225	88	12108	384.141	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	262515	90.762	ug/l	98
52) Toluene	10.170	92	278016	21.505	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	125195	19.987	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	151005	20.388	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	74919	20.828	ug/l	98
56) Ethyl methacrylate	10.438	69	84693	18.400	ug/l	96
57) 1,3-Dichloropropane	10.712	76	123805	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.706	63	211804	97.554	ug/l	98
59) 2-Hexanone	10.761	43	190698	96.826	ug/l	98
60) Dibromochloromethane	10.908	129	99615	20.988	ug/l	97
61) 1,2-Dibromoethane	11.011	107	69174	20.461	ug/l	98
64) Tetrachloroethene	10.645	164	135153	23.308	ug/l	97
65) Chlorobenzene	11.438	112	300618	21.461	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.511	131	102258	21.510	ug/l	99
67) Ethyl Benzene	11.517	91	502722	20.855	ug/l	98
68) m/p-Xylenes	11.627	106	400362	42.525	ug/l	97
69) o-Xylene	11.950	106	183461	20.806	ug/l	100
70) Styrene	11.968	104	306022	21.222	ug/l	99
71) Bromoform	12.127	173	57530	20.705	ug/l #	98
73) Isopropylbenzene	12.249	105	479041	20.886	ug/l	100
74) N-amyl acetate	12.066	43	84231	17.318	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	75367	19.245	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	102913	32.814	ug/l #	100
77) Bromobenzene	12.529	156	115605	21.128	ug/l	96
78) n-propylbenzene	12.590	91	572499	20.966	ug/l	98
79) 2-Chlorotoluene	12.675	91	324864	20.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	389444	21.010	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	24898	19.217	ug/l	99
82) 4-Chlorotoluene	12.773	91	336841	20.754	ug/l	99
83) tert-Butylbenzene	12.992	119	354160	21.155	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	388014	21.028	ug/l	99
85) sec-Butylbenzene	13.169	105	513289	20.872	ug/l	99
86) p-Isopropyltoluene	13.285	119	432780	21.201	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	231560	21.460	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	224080	20.935	ug/l	98
89) n-Butylbenzene	13.614	91	384866	20.528	ug/l	99
90) Hexachloroethane	13.876	117	88815	21.254	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	199008	21.030	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11968	19.628	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	111401	19.907	ug/l	99
94) Hexachlorobutadiene	15.017	225	69600	21.165	ug/l	98
95) Naphthalene	15.138	128	171832	18.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.321	180	93453	19.380	ug/l	99

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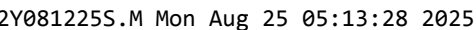
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

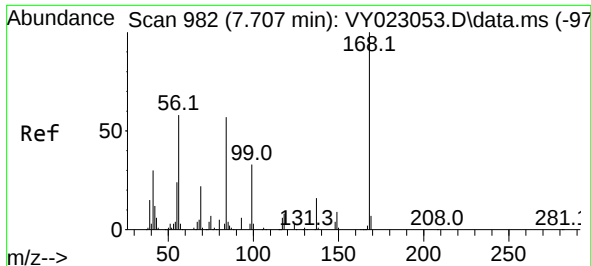
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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

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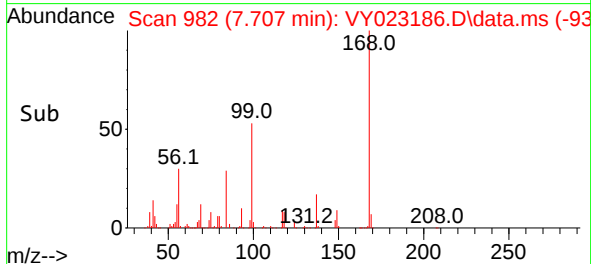
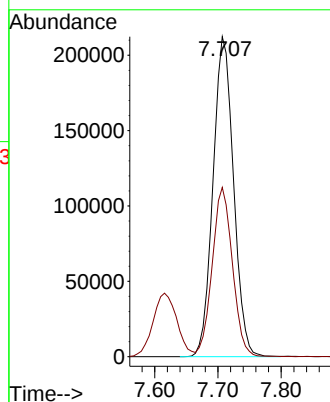
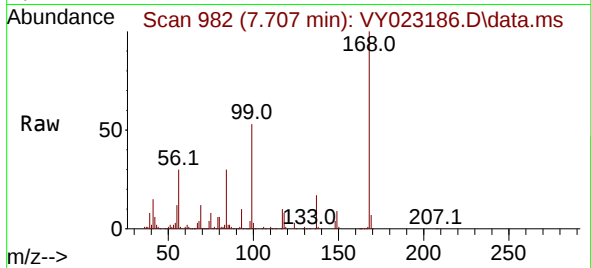




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023186.D
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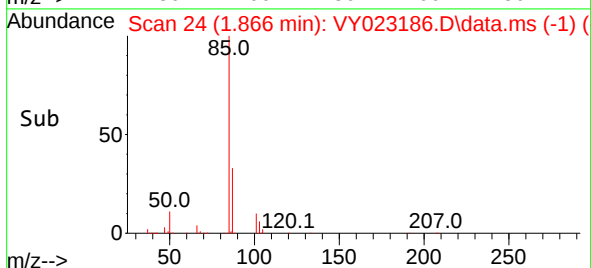
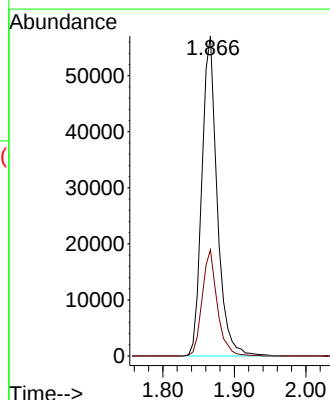
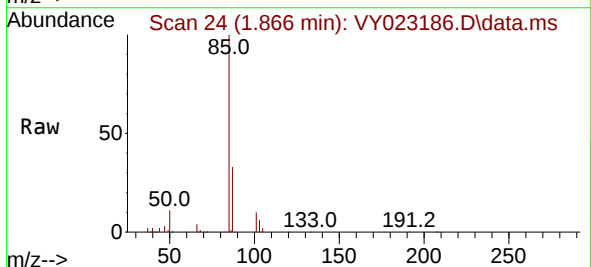
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

Tgt Ion:168 Resp: 478936
Ion Ratio Lower Upper
168 100
99 52.8 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 21.734 ug/l
RT: 1.866 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 85 Resp: 84964
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8

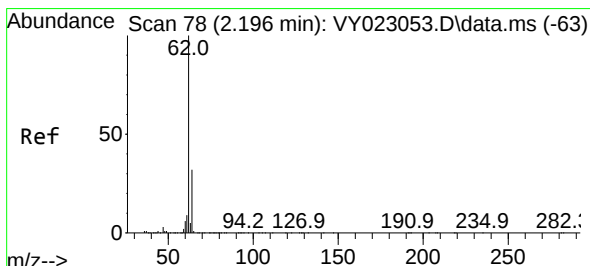
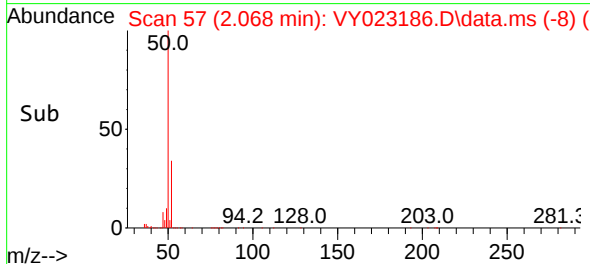
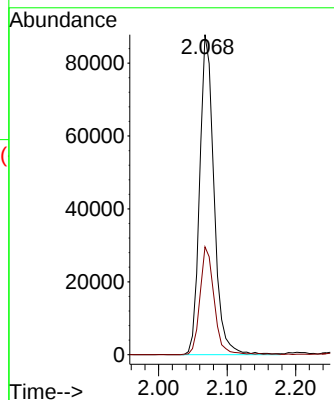
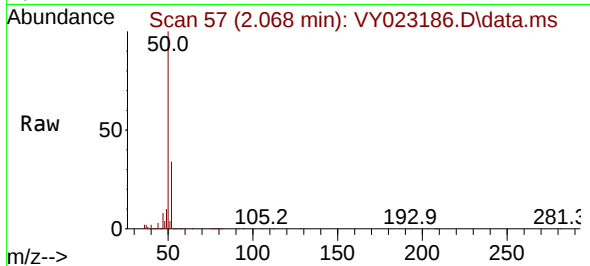




#3
Chloromethane
Concen: 20.224 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

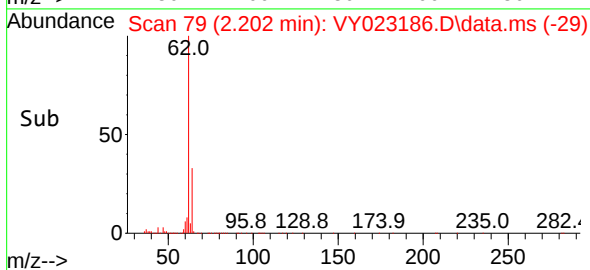
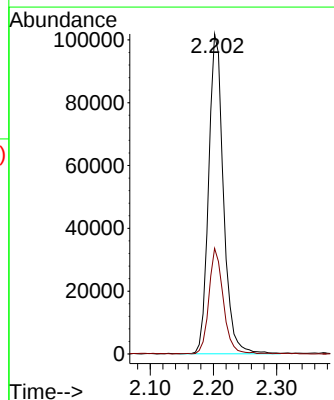
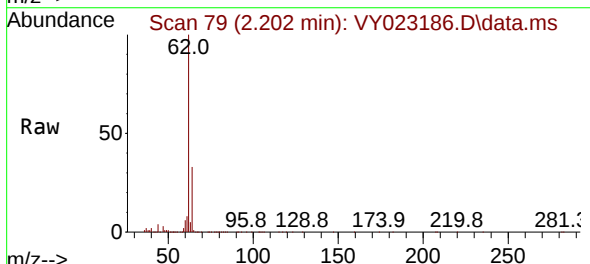
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

Tgt Ion: 50 Resp: 128055
Ion Ratio Lower Upper
50 100
52 33.7 26.7 40.1



#4
Vinyl Chloride
Concen: 21.189 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 62 Resp: 165848
Ion Ratio Lower Upper
62 100
64 32.9 25.4 38.0

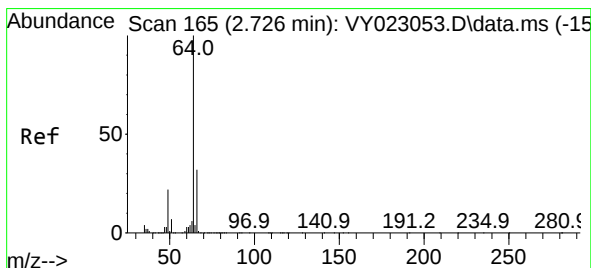
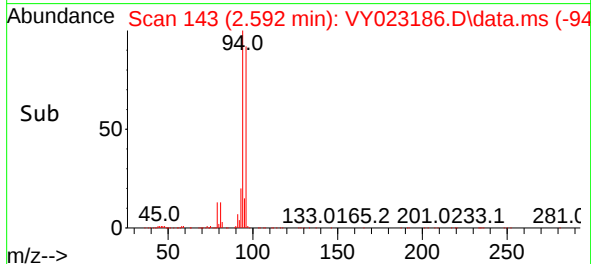
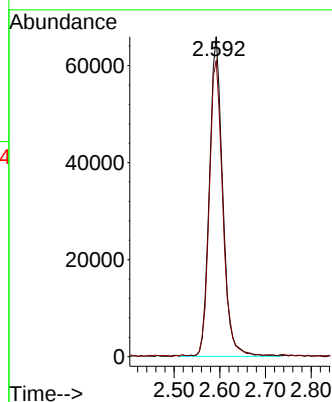
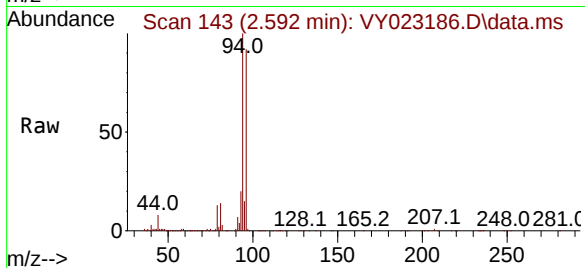




#5
Bromomethane
Concen: 22.840 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

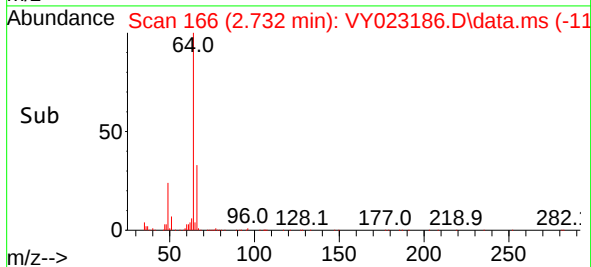
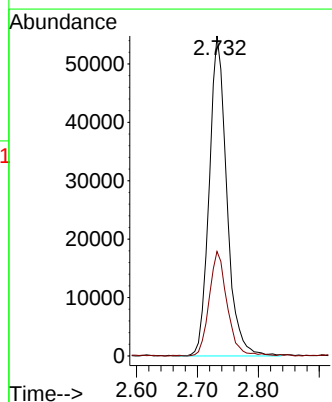
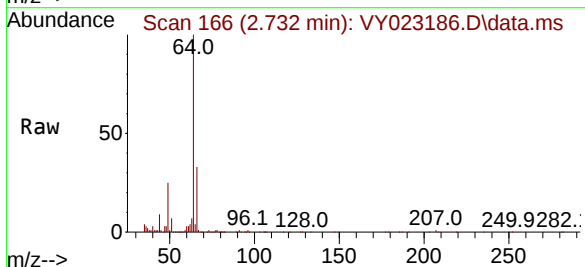
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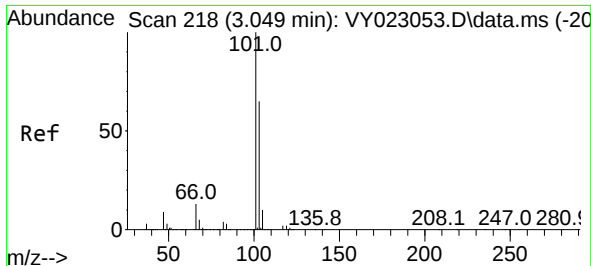
Tgt Ion: 94 Resp: 133508
Ion Ratio Lower Upper
94 100
96 92.1 74.6 112.0



#6
Chloroethane
Concen: 21.149 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 64 Resp: 110050
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.6

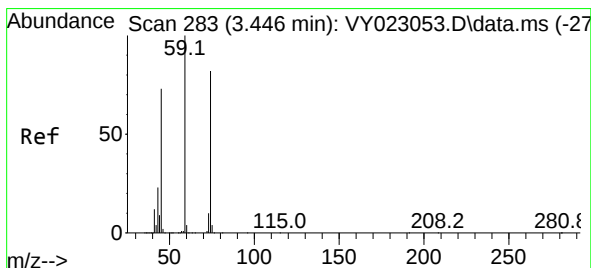
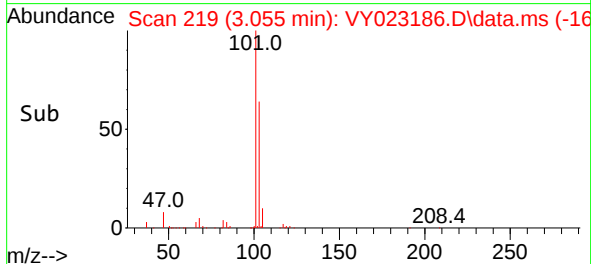
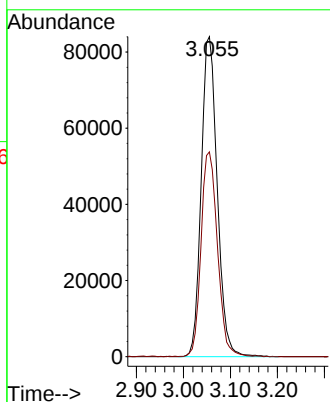
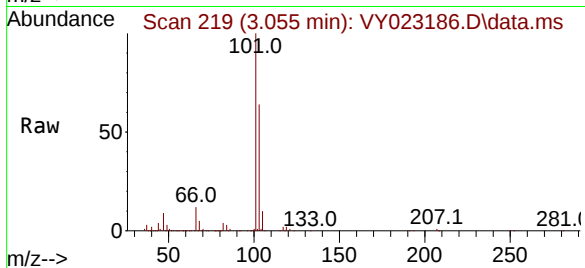




#7
 Trichlorofluoromethane
 Concen: 20.871 ug/l
 RT: 3.055 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VY023186.D
 Acq: 22 Aug 2025 12:05

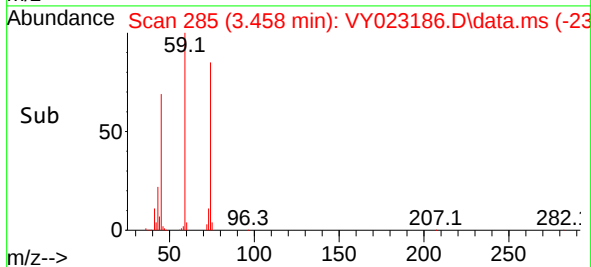
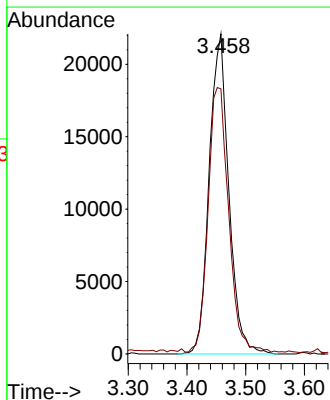
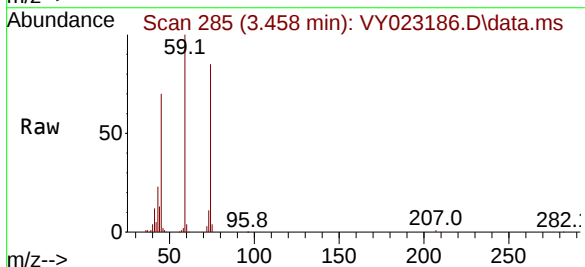
Instrument :
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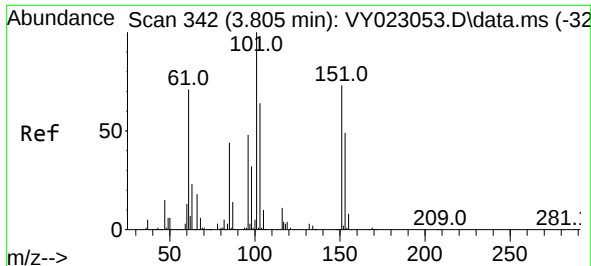
Tgt Ion:101 Resp: 198635
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.9 77.9



#8
 Diethyl Ether
 Concen: 20.333 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023186.D
 Acq: 22 Aug 2025 12:05

Tgt Ion: 74 Resp: 51199
 Ion Ratio Lower Upper
 74 100
 45 86.3 44.4 133.2

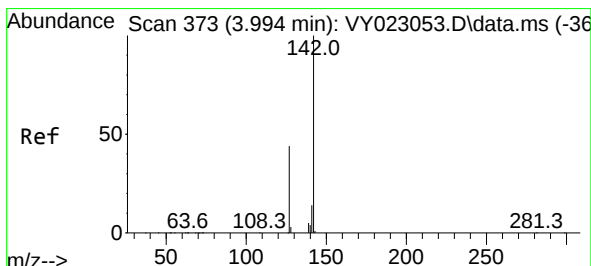
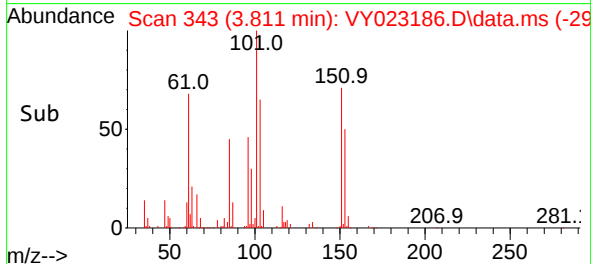
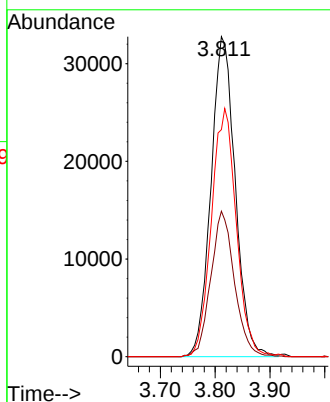
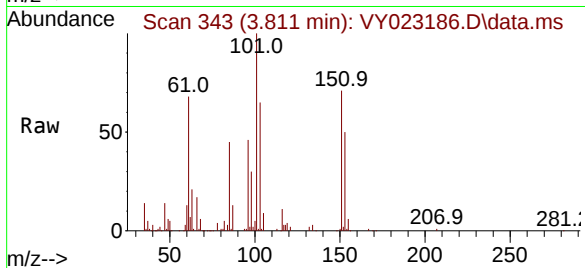




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.481 ug/l
RT: 3.811 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023186.D
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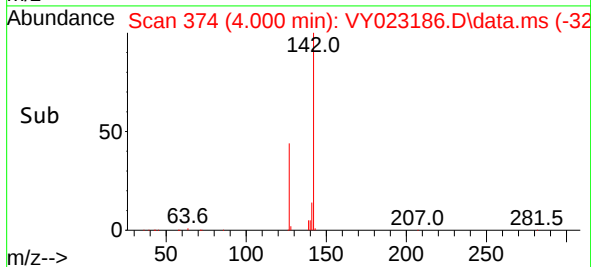
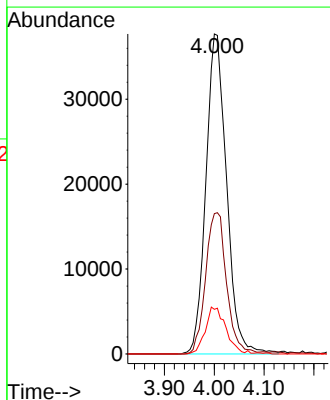
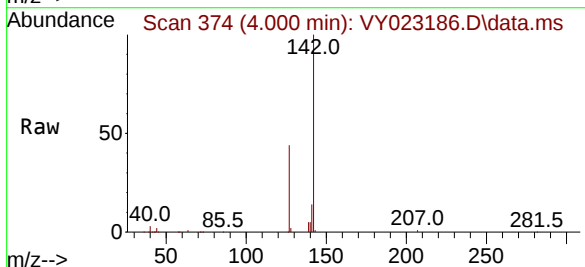
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

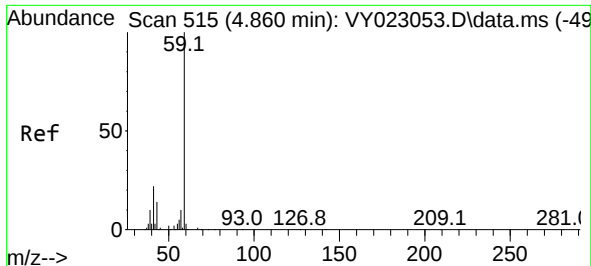
Tgt Ion:101 Resp: 100863
Ion Ratio Lower Upper
101 100
85 44.4 36.3 54.5
151 79.5 61.5 92.3



#10
Methyl Iodide
Concen: 21.438 ug/l
RT: 4.000 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion:142 Resp: 108619
Ion Ratio Lower Upper
142 100
127 44.7 34.9 52.3
141 14.4 11.3 16.9





#11

Tert butyl alcohol

Concen: 86.037 ug/l

RT: 4.854 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

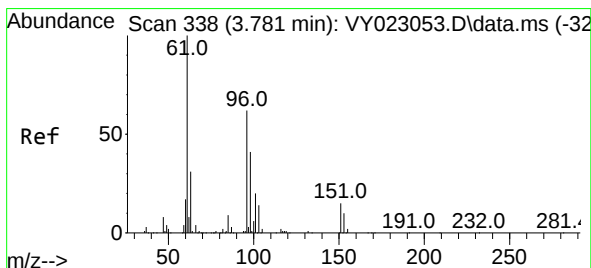
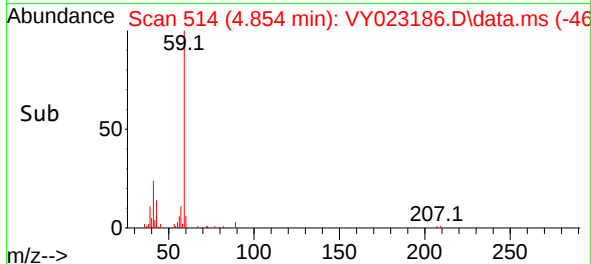
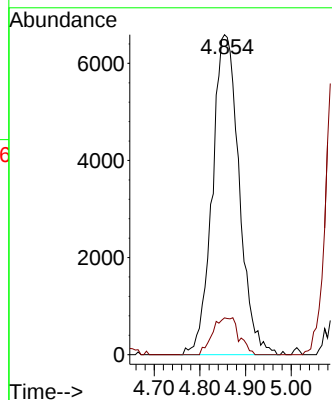
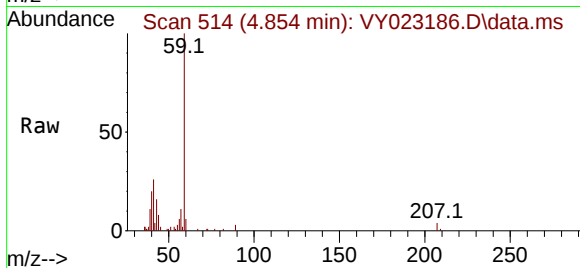
VY0822SBS01

Tgt Ion: 59 Resp: 26909

Ion Ratio Lower Upper

59 100

57 11.3 8.6 13.0



#12

1,1-Dichloroethene

Concen: 20.954 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.012 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

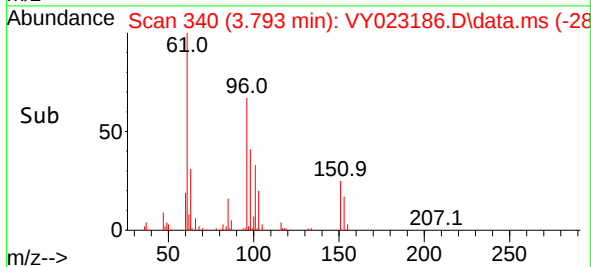
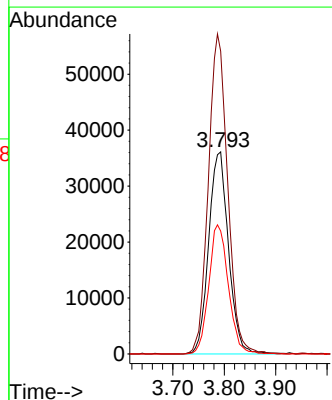
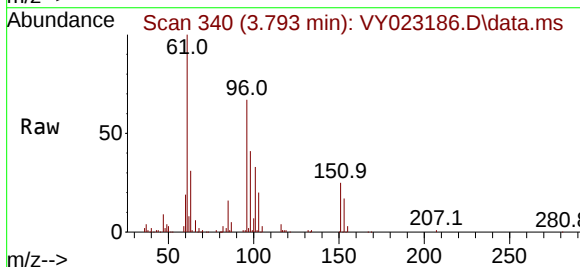
Tgt Ion: 96 Resp: 96709

Ion Ratio Lower Upper

96 100

61 149.9 129.4 194.2

98 60.8 52.8 79.2





#13

Acrolein

Concen: 63.970 ug/l

RT: 3.653 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

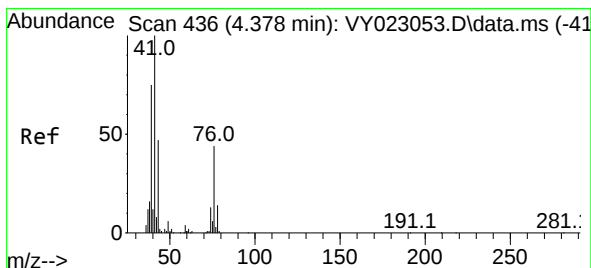
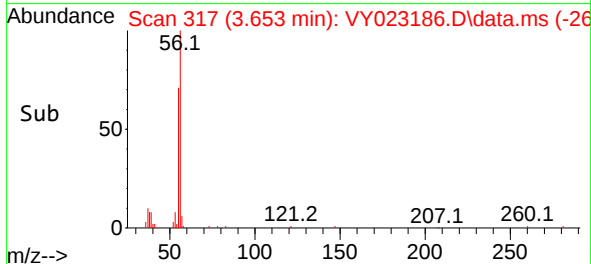
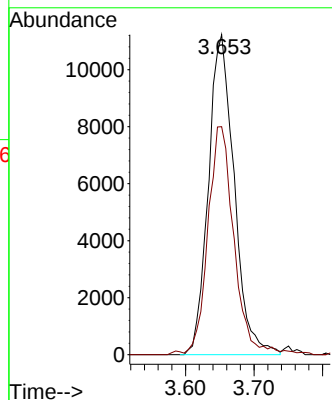
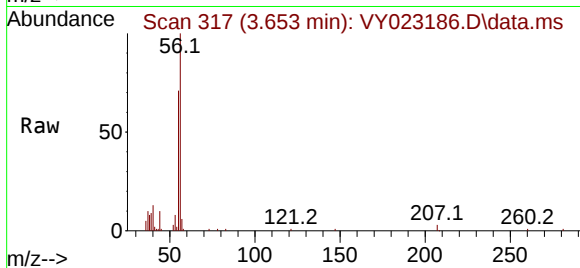
VY0822SBS01

Tgt Ion: 56 Resp: 29301

Ion Ratio Lower Upper

56 100

55 72.1 55.2 82.8



#14

Allyl chloride

Concen: 18.977 ug/l

RT: 4.384 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

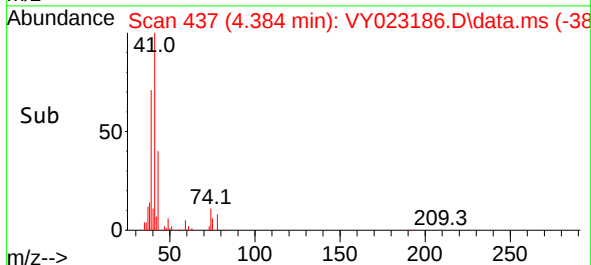
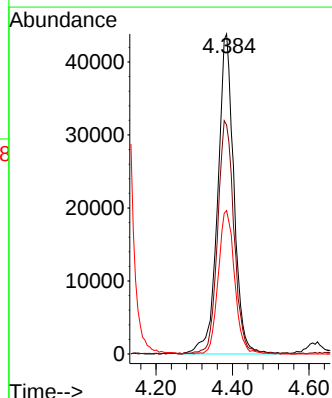
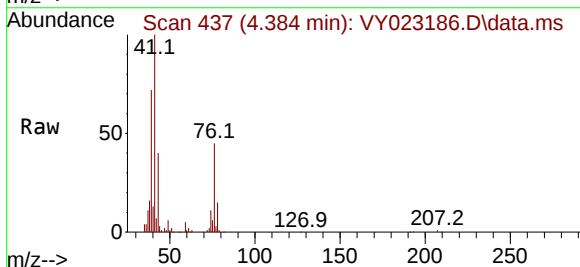
Tgt Ion: 41 Resp: 128870

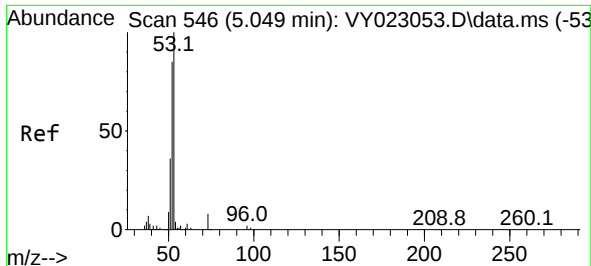
Ion Ratio Lower Upper

41 100

39 73.9 59.8 89.6

76 45.3 33.7 50.5

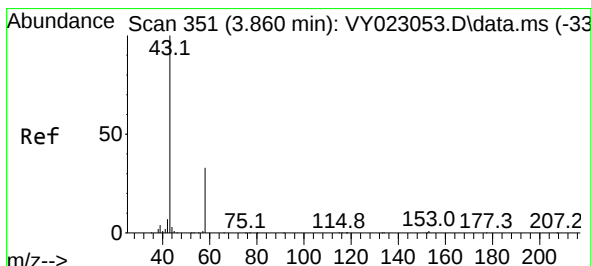
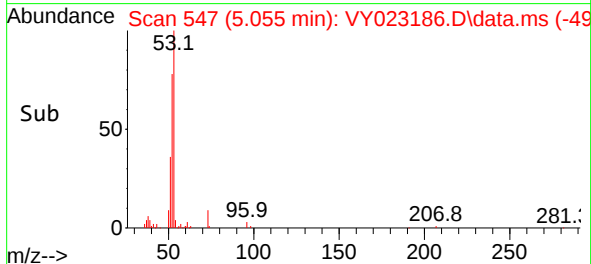
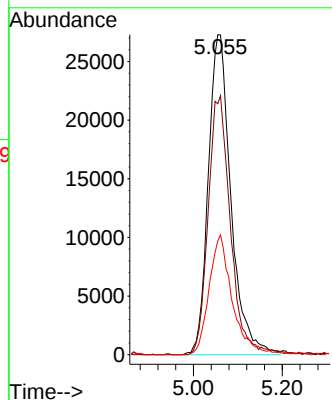
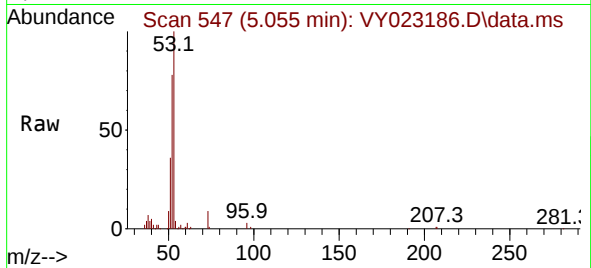




#15
Acrylonitrile
Concen: 94.365 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

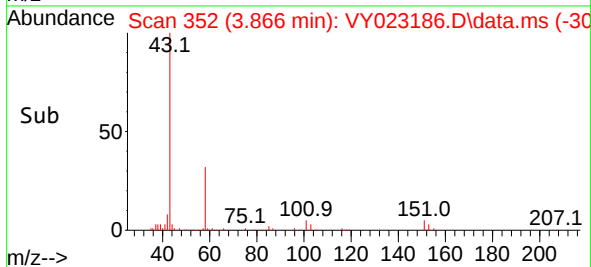
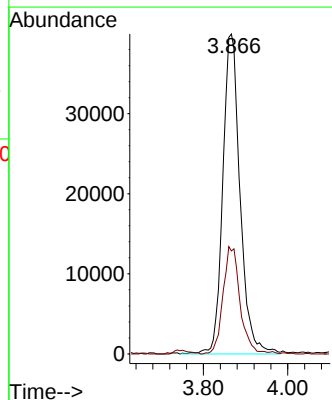
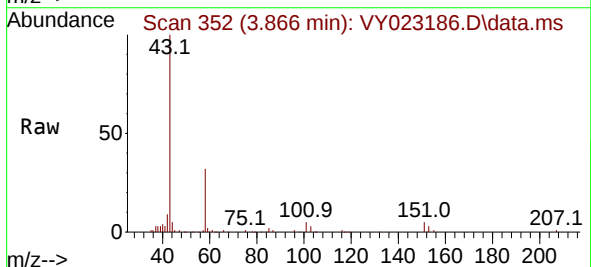
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

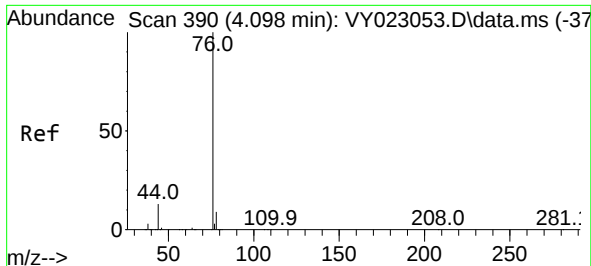
Tgt Ion: 53 Resp: 96600
Ion Ratio Lower Upper
53 100
52 79.8 65.3 97.9
51 38.3 29.5 44.3



#16
Acetone
Concen: 114.427 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 43 Resp: 113156
Ion Ratio Lower Upper
43 100
58 32.1 27.1 40.7

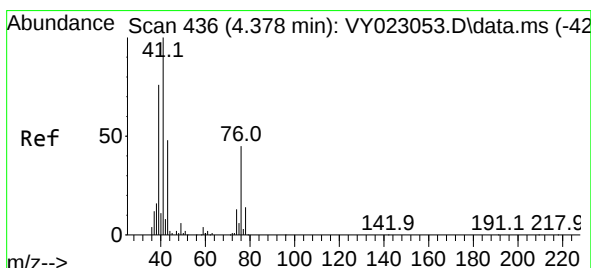
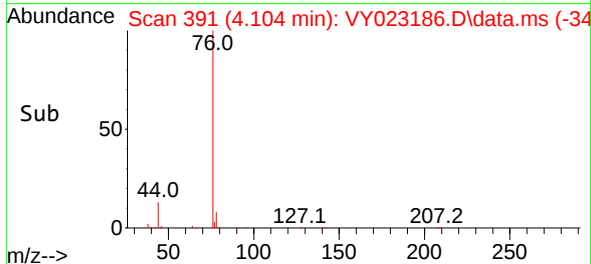
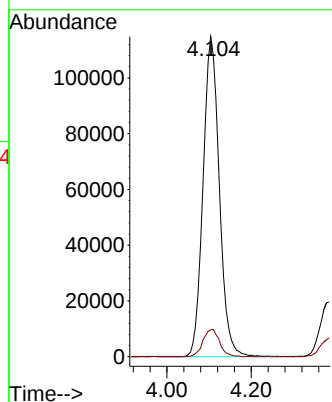
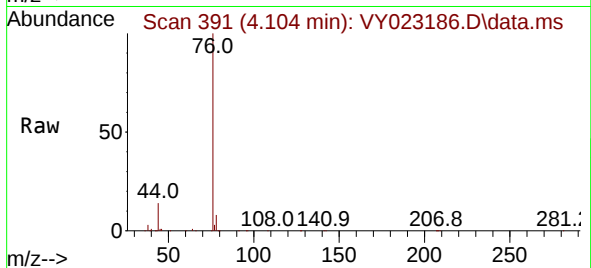




#17
Carbon Disulfide
Concen: 20.489 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

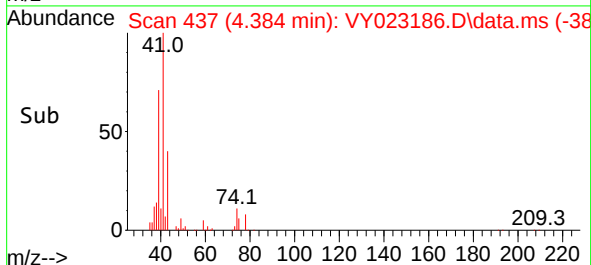
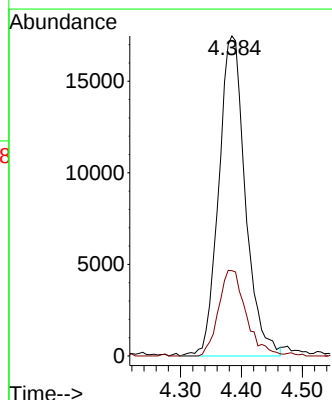
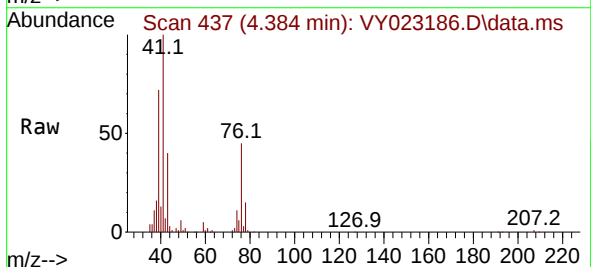
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

Tgt Ion: 76 Resp: 308324
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 17.967 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 43 Resp: 52872
Ion Ratio Lower Upper
43 100
74 27.7 21.2 31.8

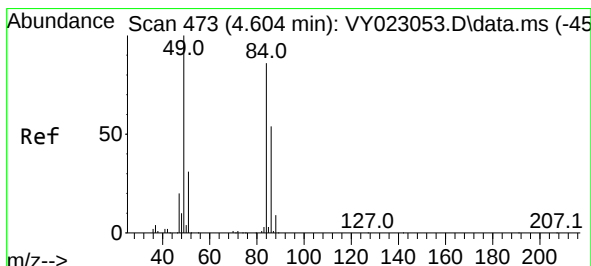
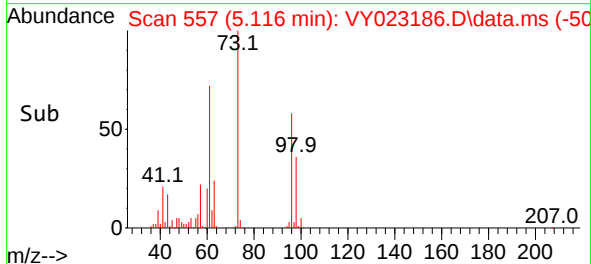
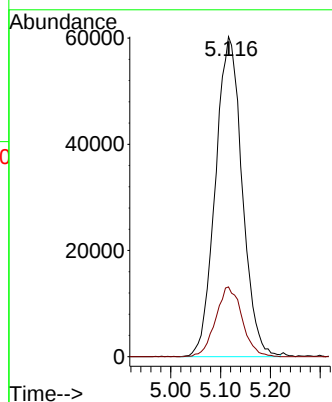
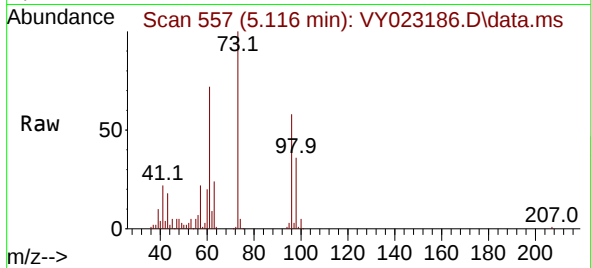




#19
Methyl tert-butyl Ether
Concen: 18.780 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

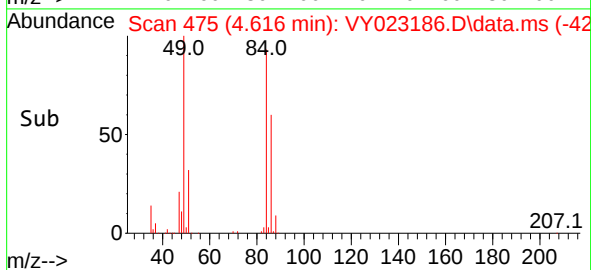
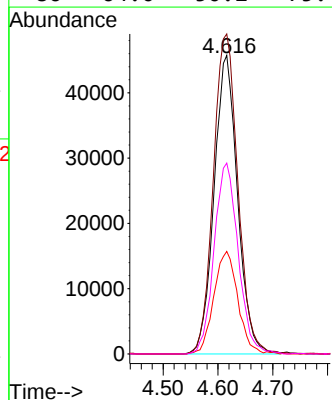
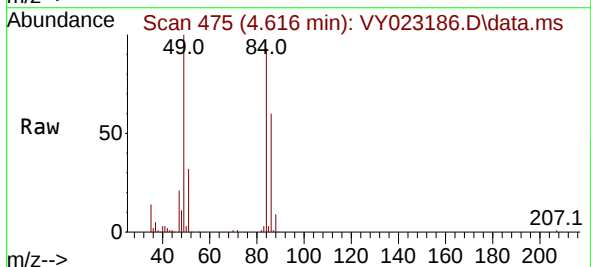
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

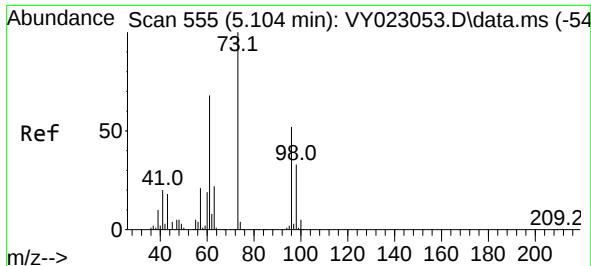
Tgt Ion: 73 Resp: 224603
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7



#20
Methylene Chloride
Concen: 25.219 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 84 Resp: 136514
Ion Ratio Lower Upper
84 100
49 107.2 93.0 139.6
51 34.4 29.0 43.4
86 64.0 50.2 75.4

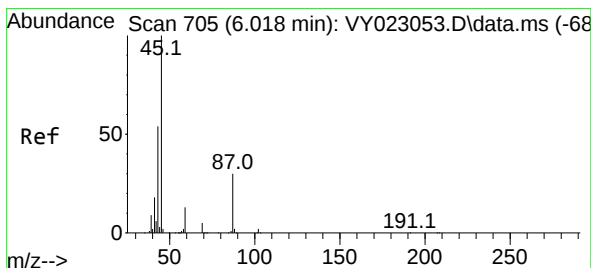
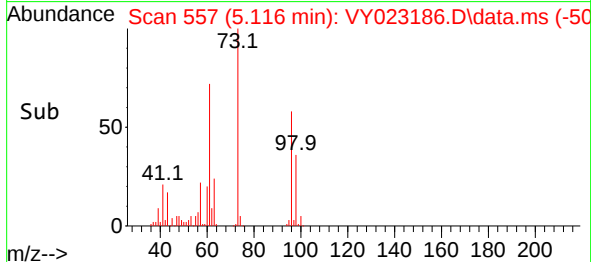
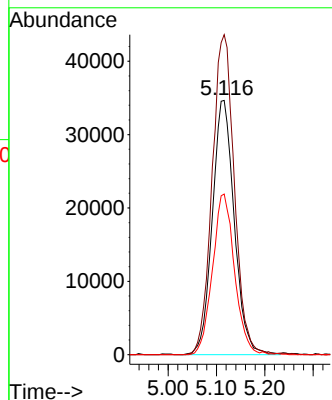
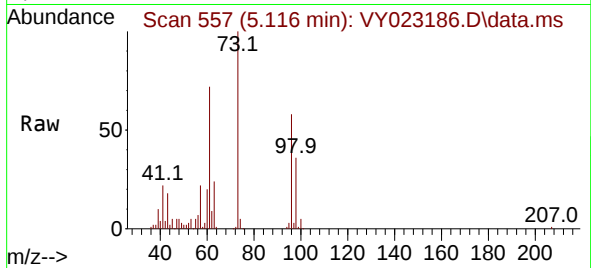




#21
trans-1,2-Dichloroethene
Concen: 21.061 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

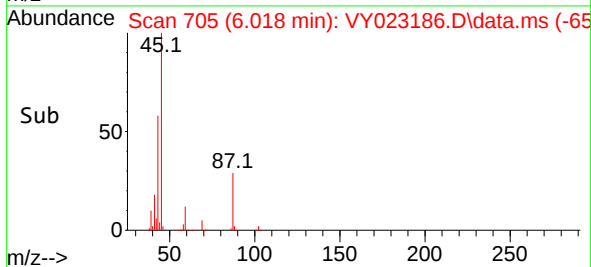
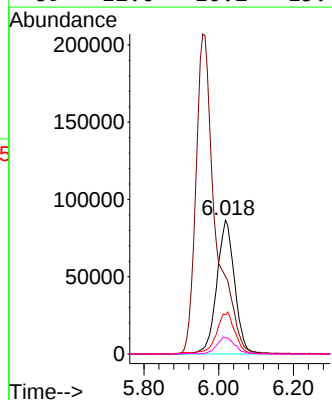
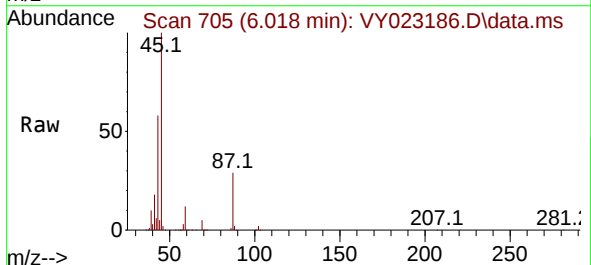
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

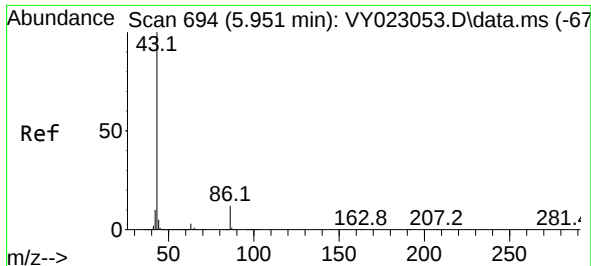
Tgt Ion: 96 Resp: 109234
Ion Ratio Lower Upper
96 100
61 125.8 104.8 157.2
98 63.2 50.1 75.1



#22
Diisopropyl ether
Concen: 19.448 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 45 Resp: 286998
Ion Ratio Lower Upper
45 100
43 57.3 43.4 65.0
87 29.2 24.4 36.6
59 12.0 10.2 15.4

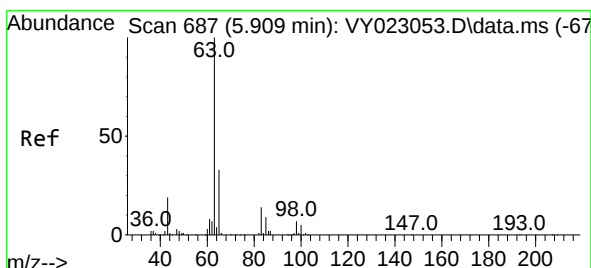
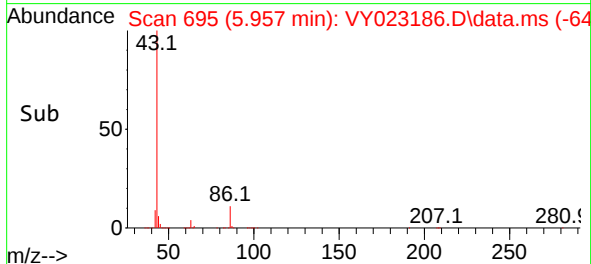
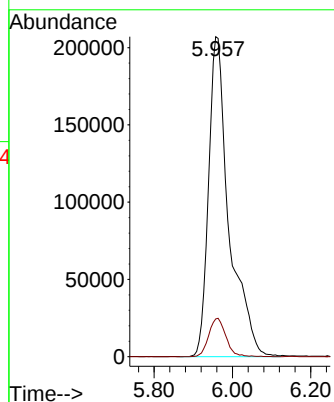
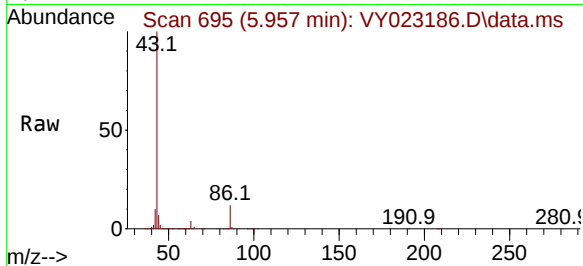




#23
 Vinyl Acetate
 Concen: 92.021 ug/l
 RT: 5.957 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VY023186.D
 Acq: 22 Aug 2025 12:05

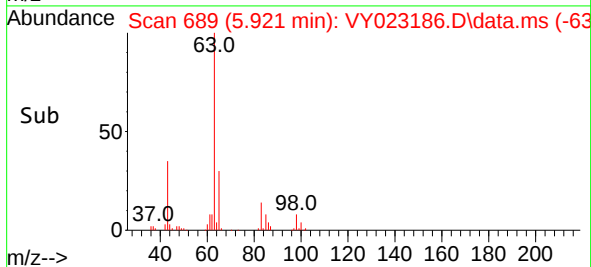
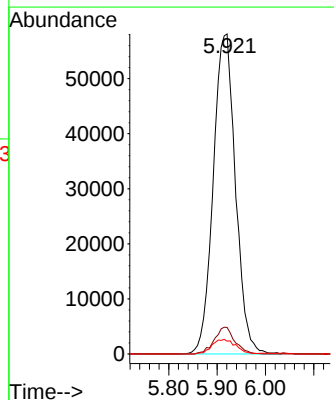
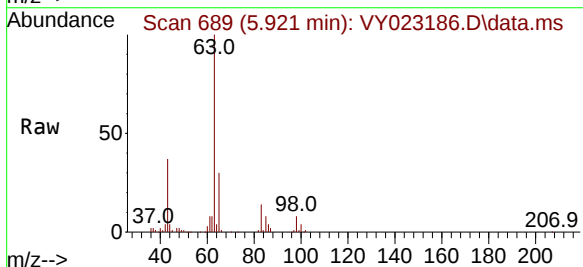
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS01

Tgt Ion: 43 Resp: 750873
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 20.546 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.012 min
 Lab File: VY023186.D
 Acq: 22 Aug 2025 12:05

Tgt Ion: 63 Resp: 185369
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.5 10.6
 100 4.0 2.4 7.1

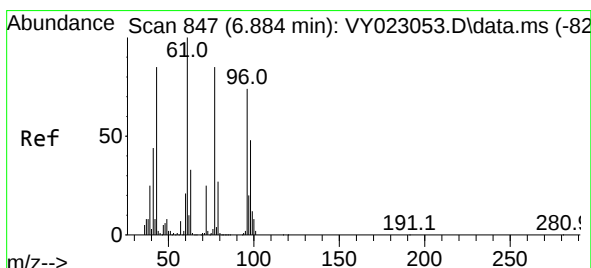
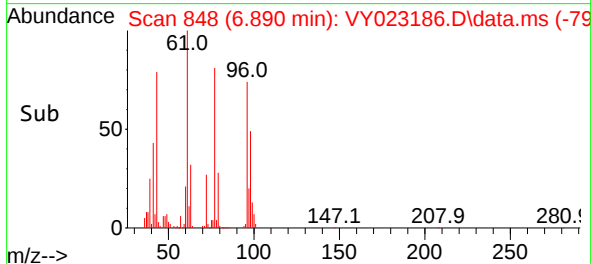
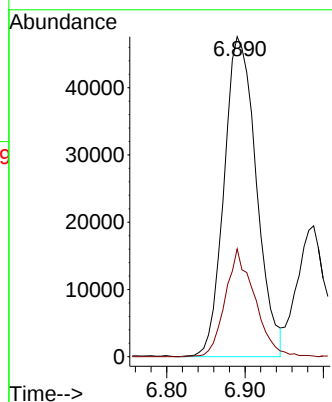
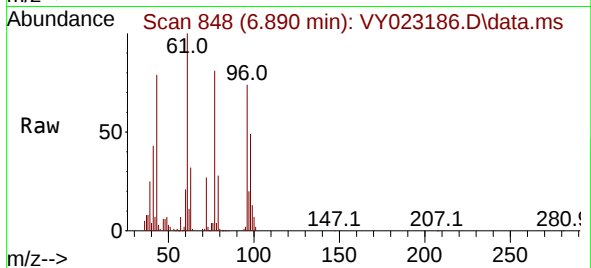




#25
2-Butanone
Concen: 101.267 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

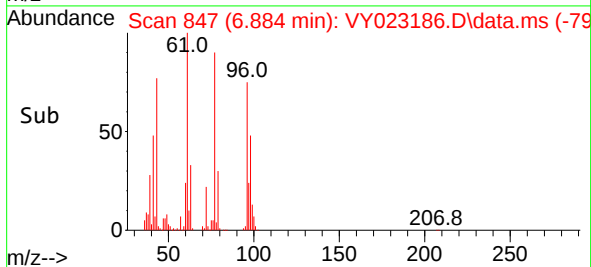
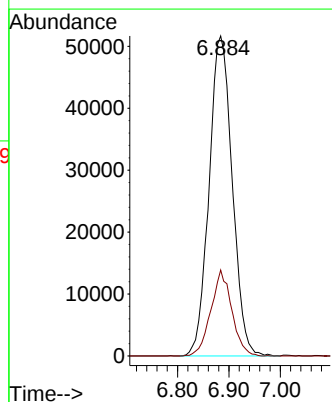
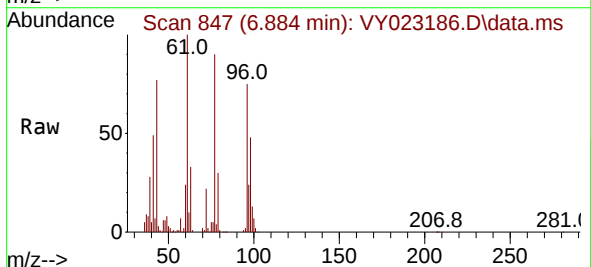
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

Tgt Ion: 43 Resp: 136197
Ion Ratio Lower Upper
43 100
72 33.7 23.5 35.3



#26
2,2-Dichloropropane
Concen: 20.777 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 77 Resp: 161750
Ion Ratio Lower Upper
77 100
97 24.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.283 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

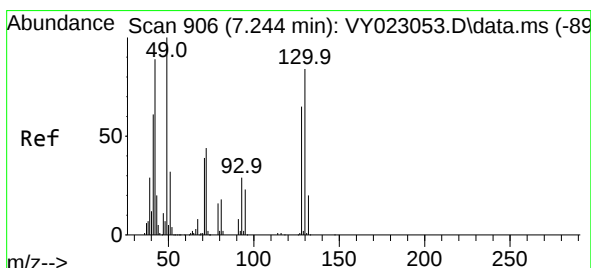
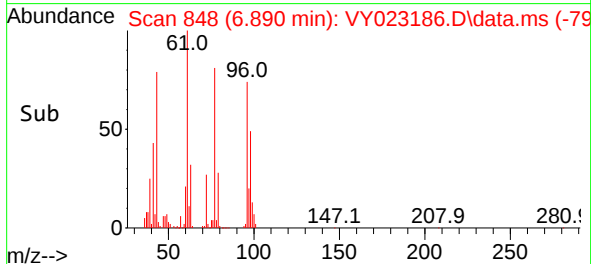
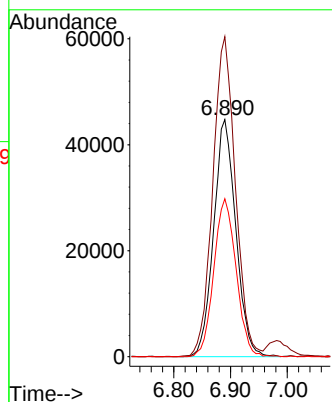
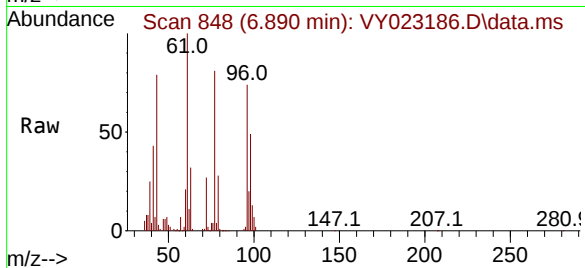
Tgt Ion: 96 Resp: 121617

Ion Ratio Lower Upper

96 100

61 137.5 0.0 278.6

98 66.9 0.0 130.4



#28

Bromochloromethane

Concen: 19.483 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

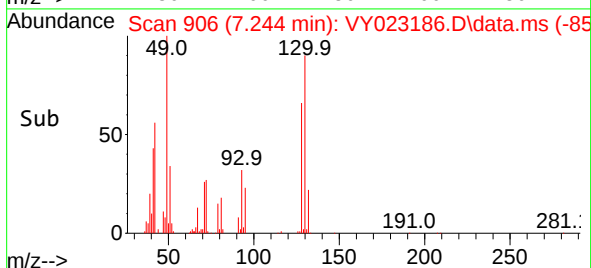
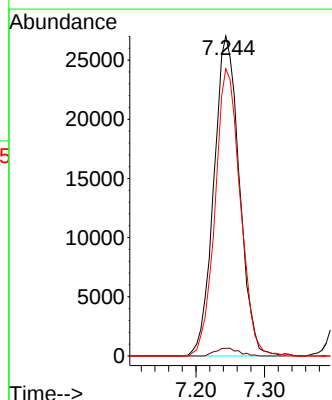
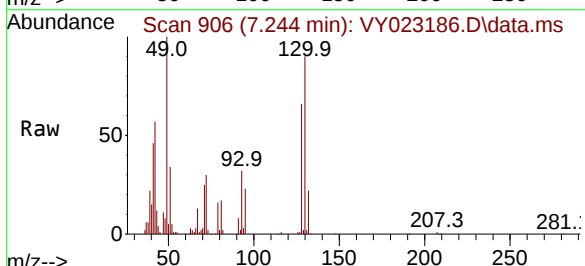
Tgt Ion: 49 Resp: 69737

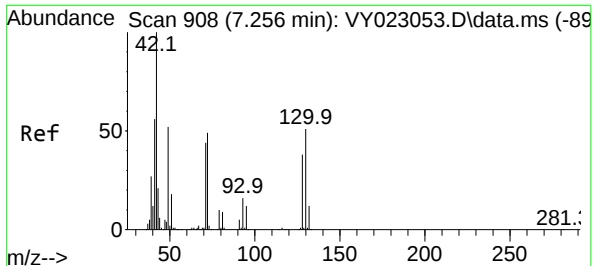
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 88.6 66.4 99.6





#29

Tetrahydrofuran

Concen: 88.329 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

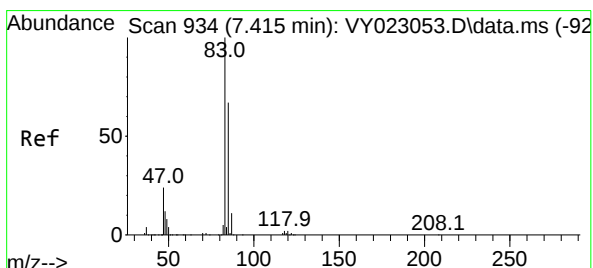
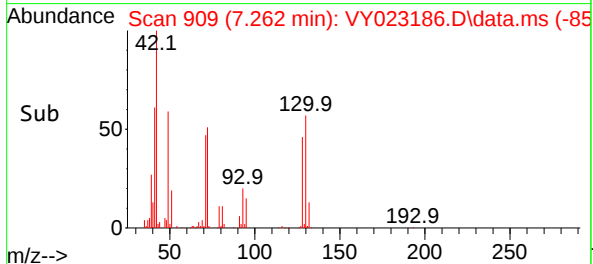
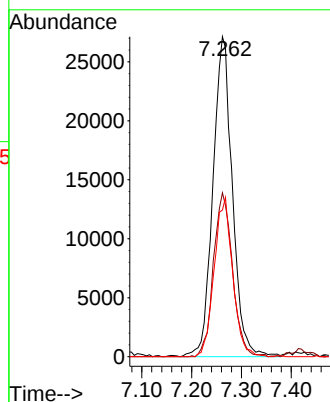
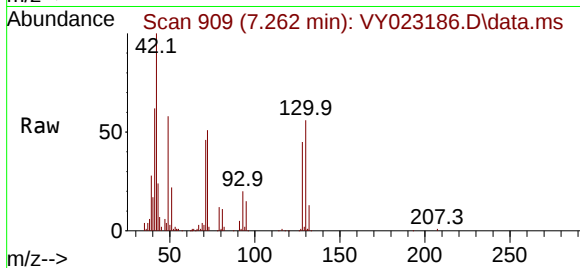
Tgt Ion: 42 Resp: 73637

Ion Ratio Lower Upper

42 100

72 50.1 39.4 59.2

71 47.2 36.5 54.7



#30

Chloroform

Concen: 21.009 ug/l

RT: 7.420 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023186.D

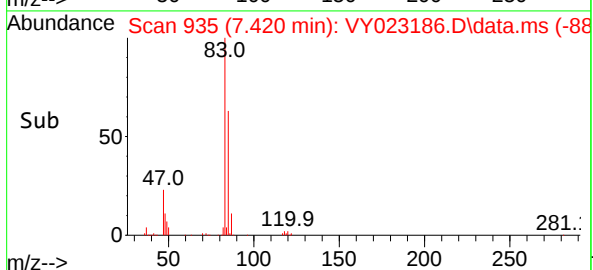
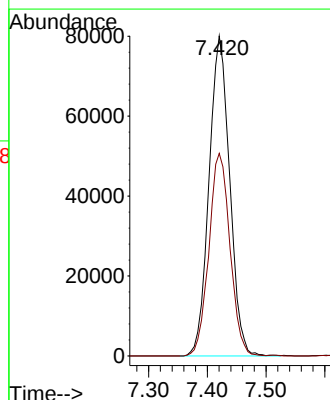
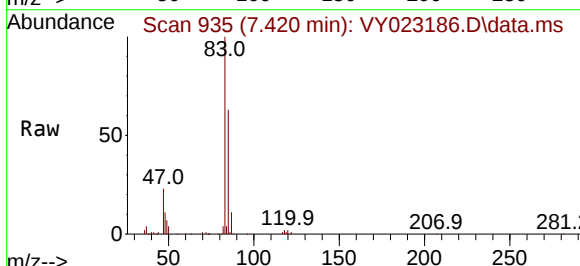
Acq: 22 Aug 2025 12:05

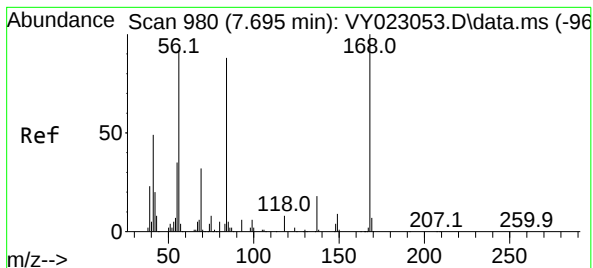
Tgt Ion: 83 Resp: 195484

Ion Ratio Lower Upper

83 100

85 63.3 53.8 80.8





#31

Cyclohexane

Concen: 19.493 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

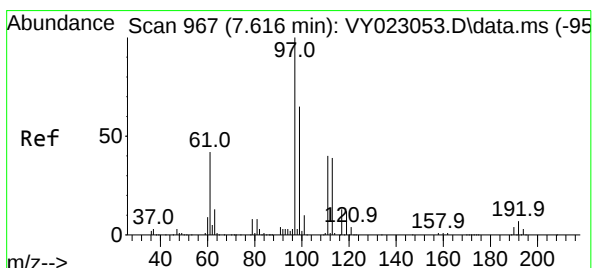
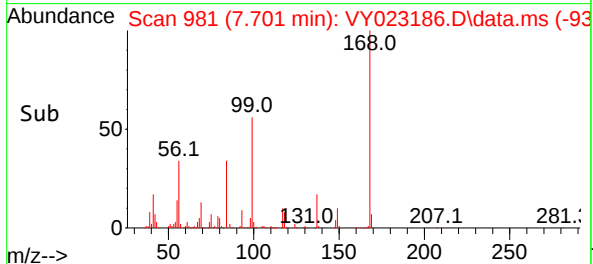
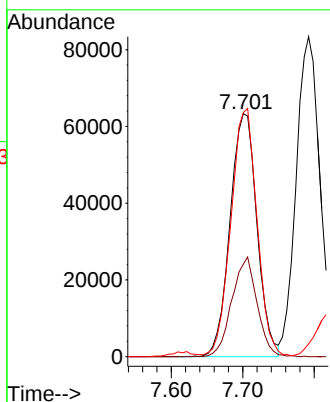
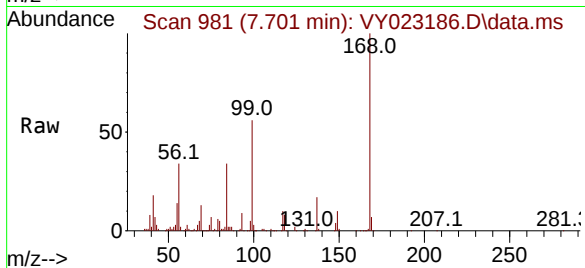
Tgt Ion: 56 Resp: 165731

Ion Ratio Lower Upper

56 100

69 38.1 28.2 42.2

84 98.5 76.6 114.8



#32

1,1,1-Trichloroethane

Concen: 20.926 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

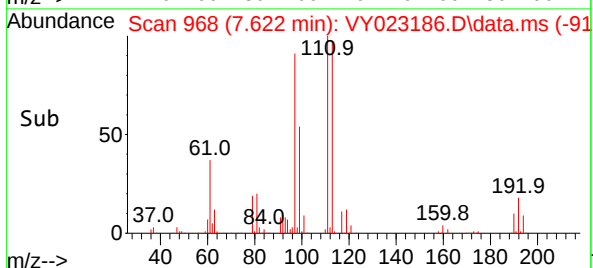
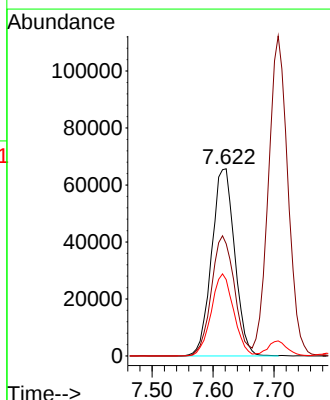
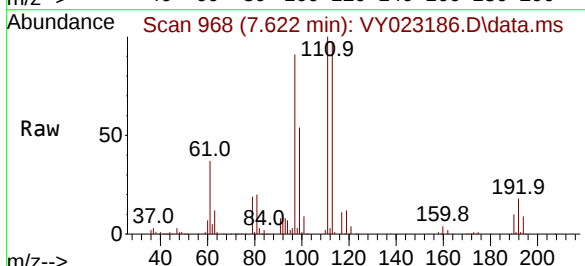
Tgt Ion: 97 Resp: 172772

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.404 ug/l

RT: 8.060 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

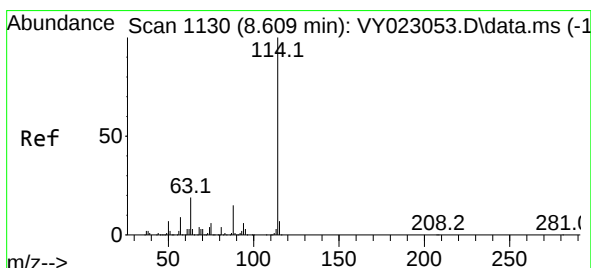
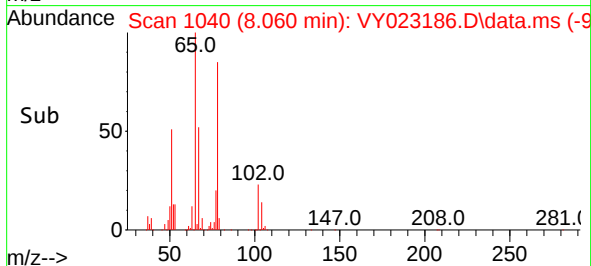
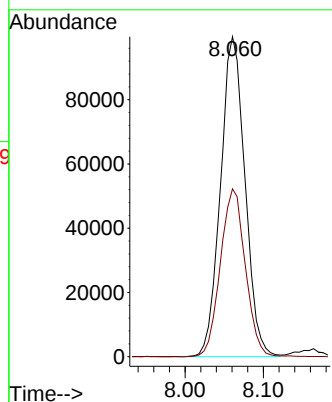
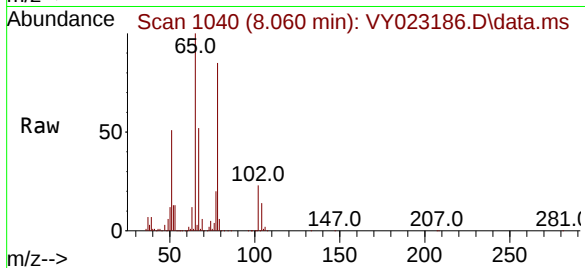
VY0822SBS01

Tgt Ion: 65 Resp: 216379

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

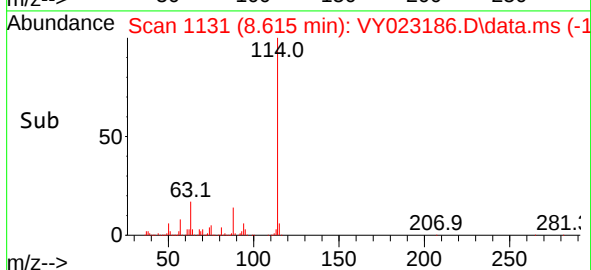
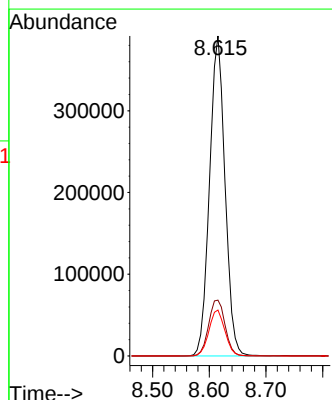
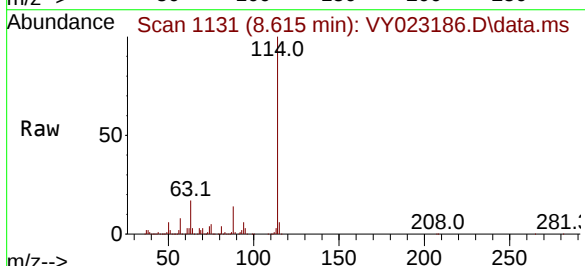
Tgt Ion:114 Resp: 742661

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.3 0.0 30.0

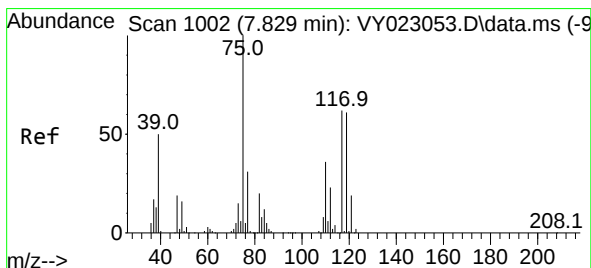
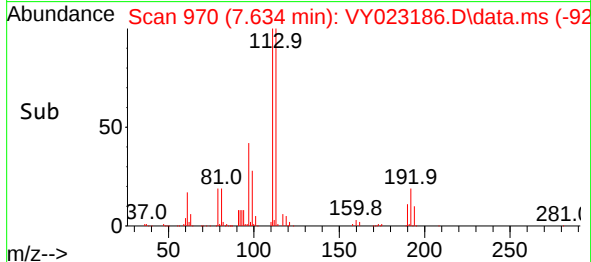
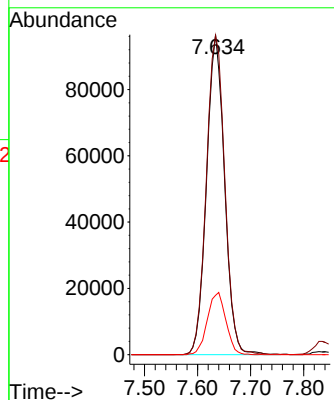
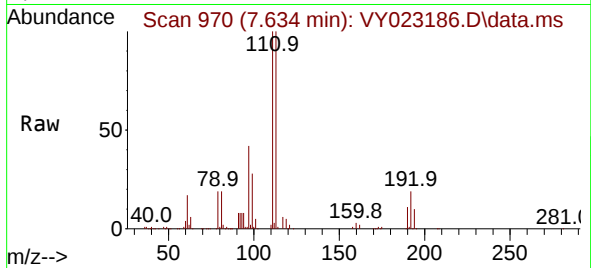




#35
Dibromofluoromethane
Concen: 51.048 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

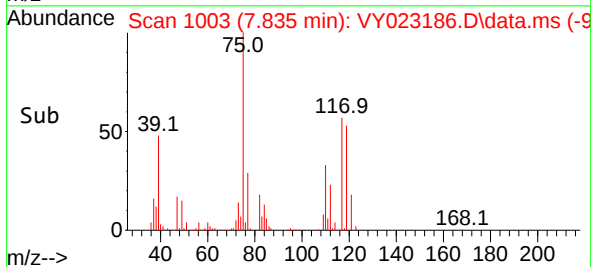
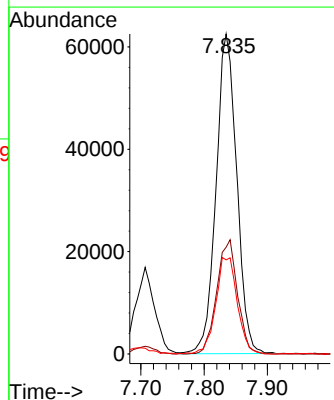
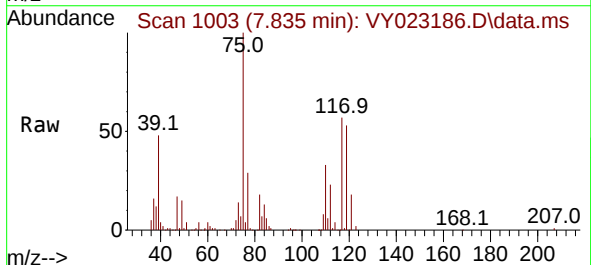
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

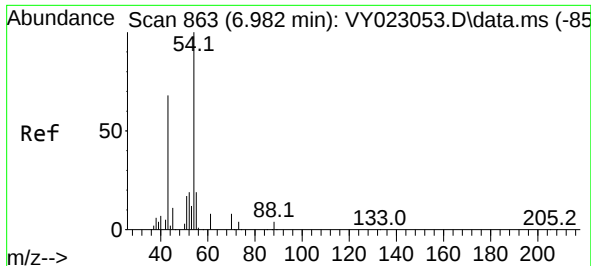
Tgt Ion:113 Resp: 226851
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 21.417 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 75 Resp: 141443
Ion Ratio Lower Upper
75 100
110 35.9 18.1 54.4
77 31.7 24.6 37.0





#37

Ethyl Acetate

Concen: 18.559 ug/l

RT: 6.987 min Scan# 863

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

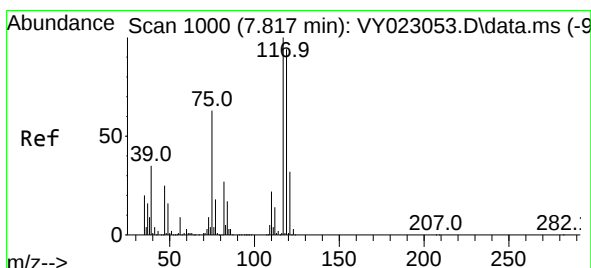
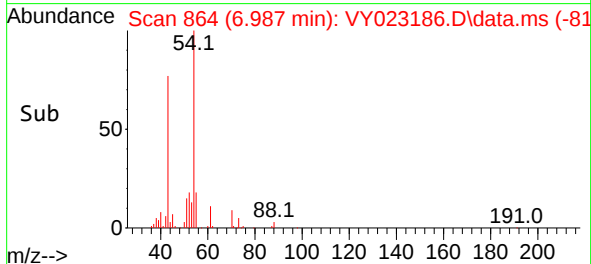
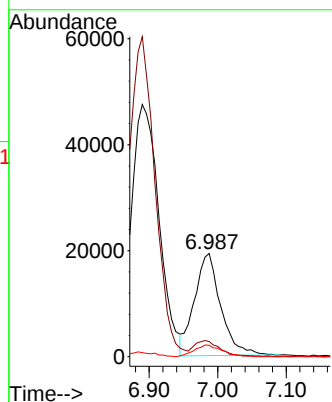
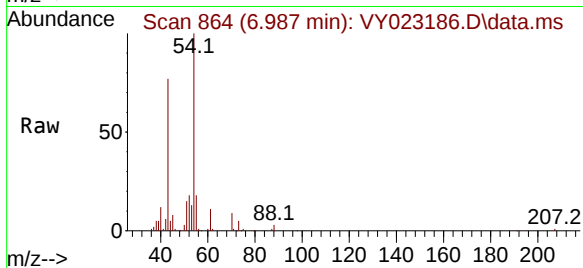
Tgt Ion: 43 Resp: 51488

Ion Ratio Lower Upper

43 100

61 15.6 11.9 17.9

70 11.8 8.8 13.2



#38

Carbon Tetrachloride

Concen: 21.710 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

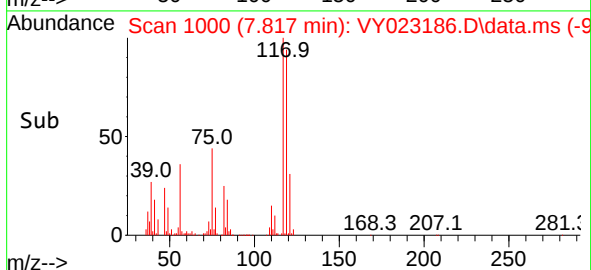
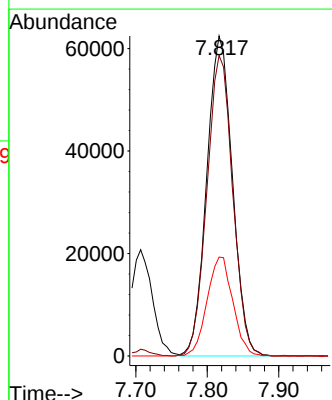
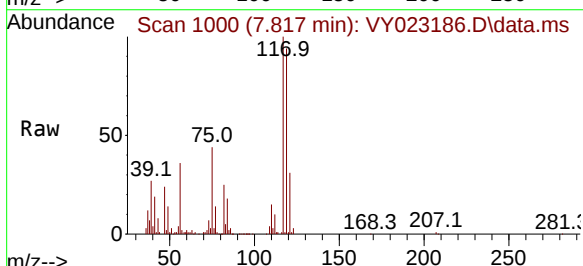
Tgt Ion: 117 Resp: 155727

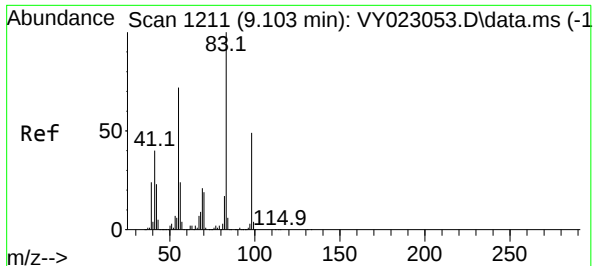
Ion Ratio Lower Upper

117 100

119 93.8 75.6 113.4

121 30.9 25.8 38.8





#39

Methylcyclohexane

Concen: 20.554 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

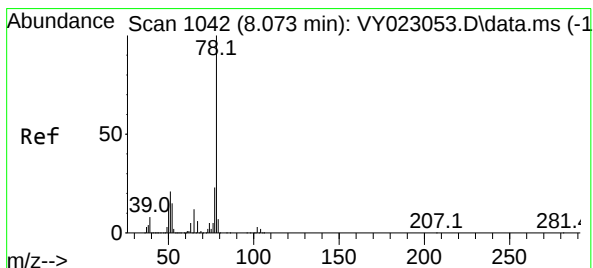
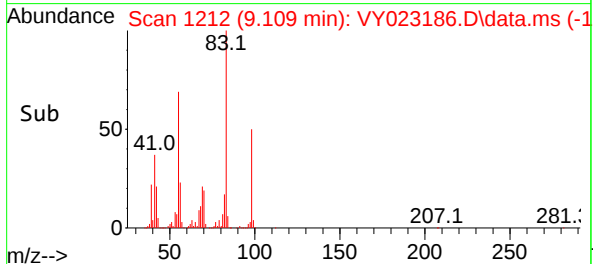
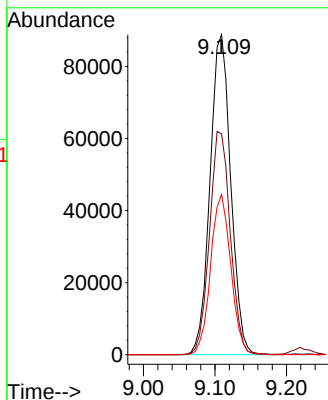
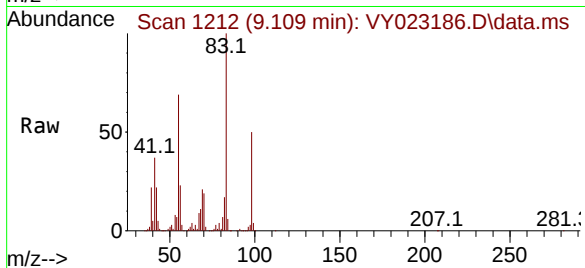
Tgt Ion: 83 Resp: 178754

Ion Ratio Lower Upper

83 100

55 69.1 57.6 86.4

98 50.1 39.2 58.8



#40

Benzene

Concen: 21.434 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023186.D

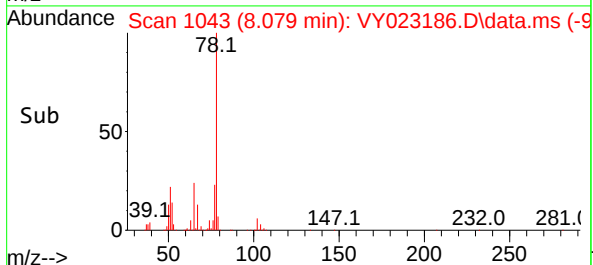
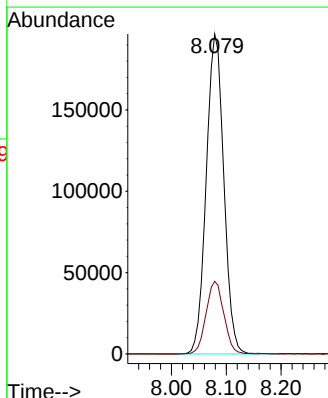
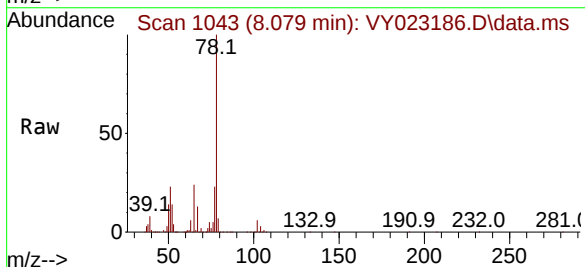
Acq: 22 Aug 2025 12:05

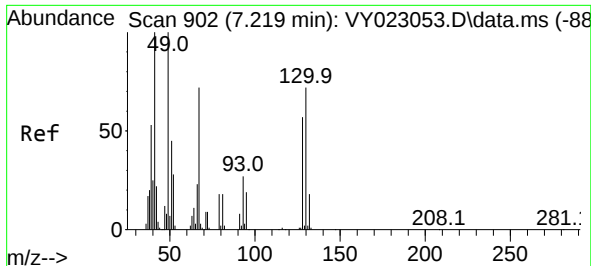
Tgt Ion: 78 Resp: 436293

Ion Ratio Lower Upper

78 100

77 22.7 18.6 28.0

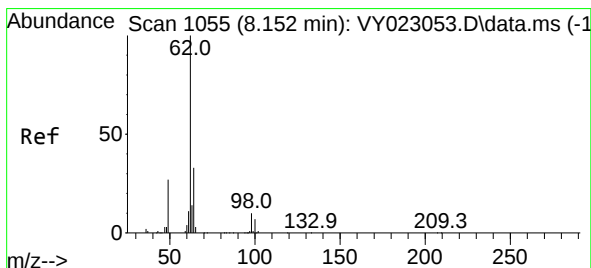
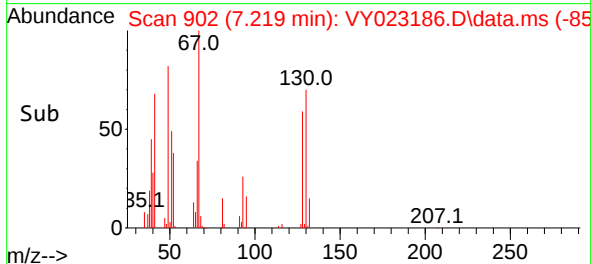
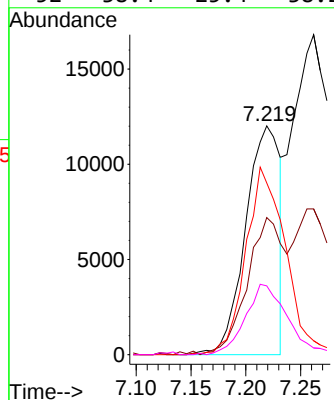
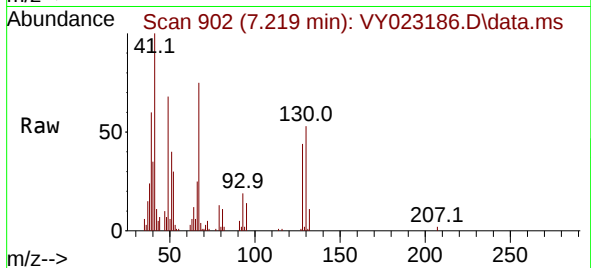




#41
Methacrylonitrile
Concen: 16.388 ug/l
RT: 7.219 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

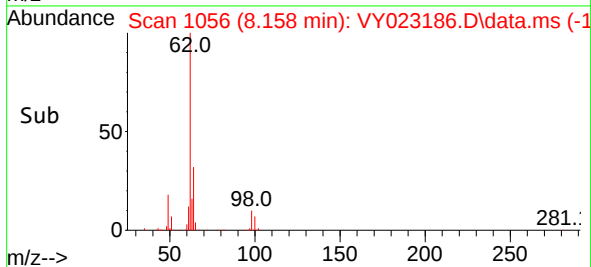
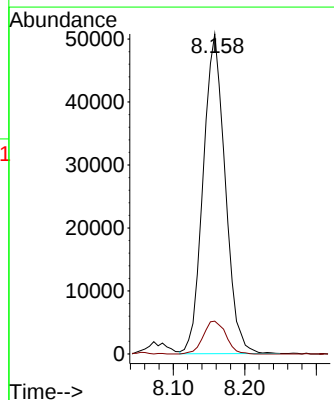
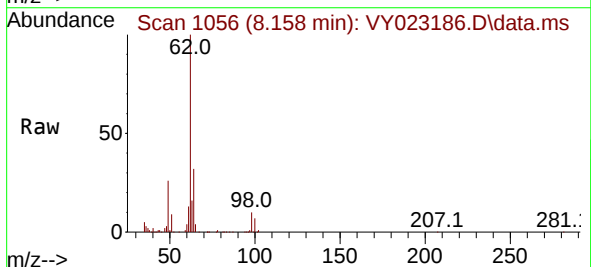
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

Tgt Ion:	41	Resp:	26238
Ion	Ratio	Lower	Upper
41	100		
39	64.1	43.4	65.2
67	95.5	63.6	95.4#
52	38.4	25.4	38.2#



#42
1,2-Dichloroethane
Concen: 20.535 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion:	62	Resp:	108713
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6

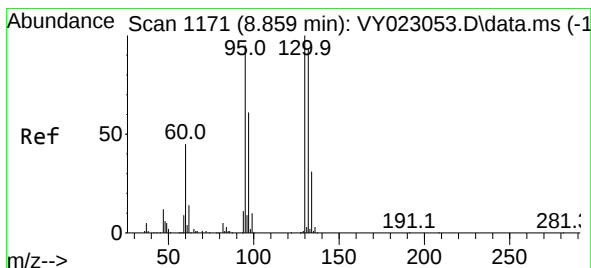
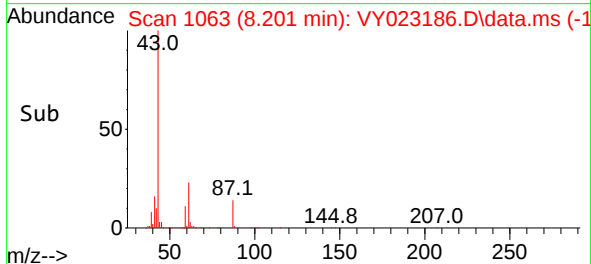
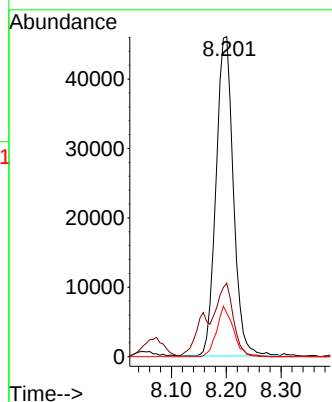
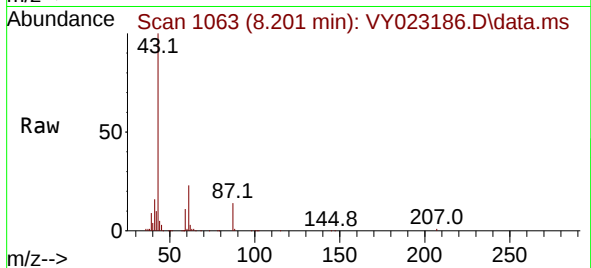




#43
Isopropyl Acetate
Concen: 18.054 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

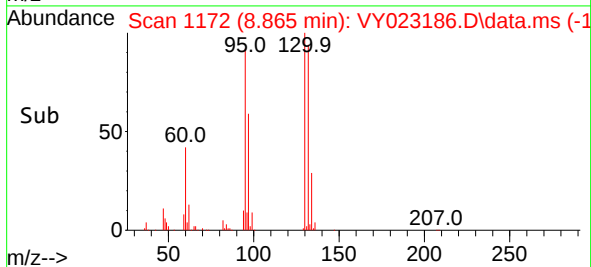
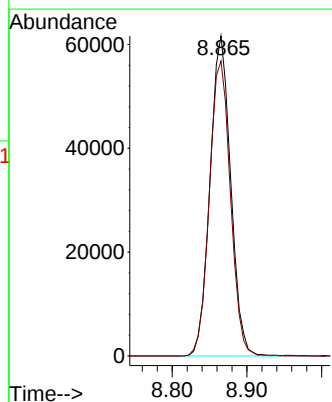
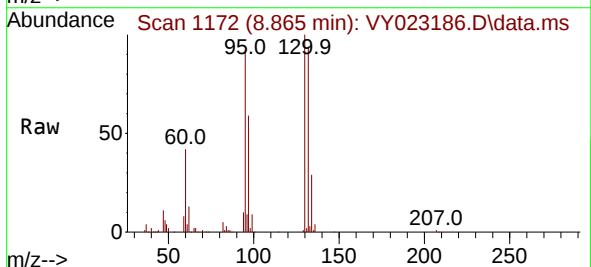
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

Tgt Ion: 43 Resp: 101233
Ion Ratio Lower Upper
43 100
61 23.0 16.4 24.6
87 15.1 11.8 17.6



#44
Trichloroethene
Concen: 22.449 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion:130 Resp: 118089
Ion Ratio Lower Upper
130 100
95 92.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.970 ug/l

RT: 9.140 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

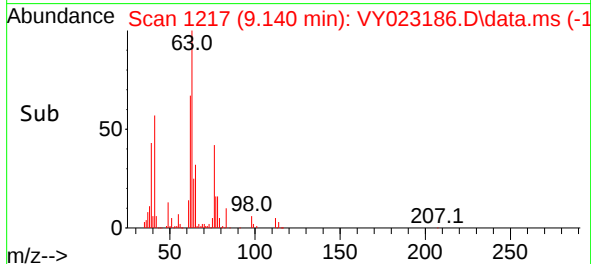
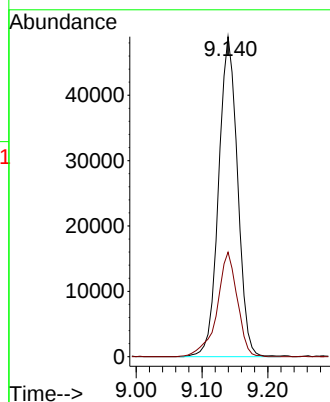
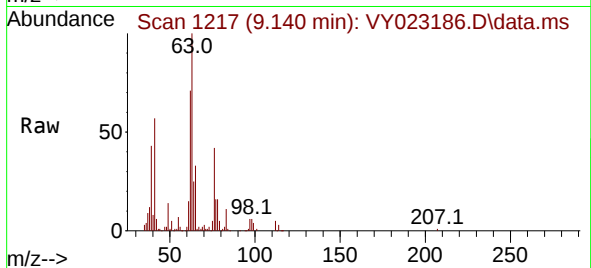
VY0822SBSD01

Tgt Ion: 63 Resp: 98214

Ion Ratio Lower Upper

63 100

65 32.6 25.3 37.9



#46

Dibromomethane

Concen: 21.253 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

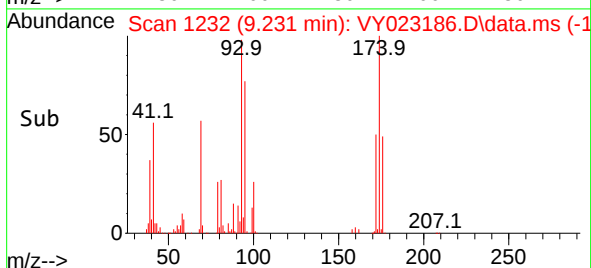
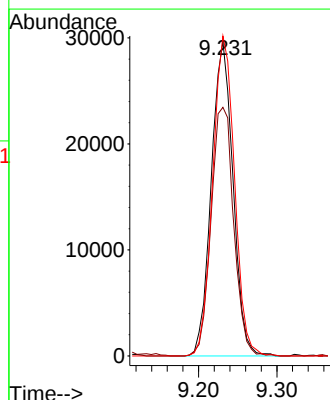
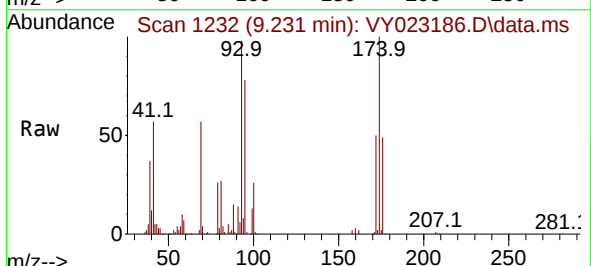
Tgt Ion: 93 Resp: 57132

Ion Ratio Lower Upper

93 100

95 82.5 66.5 99.7

174 102.4 81.8 122.8





#47

Bromodichloromethane

Concen: 21.183 ug/l

RT: 9.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

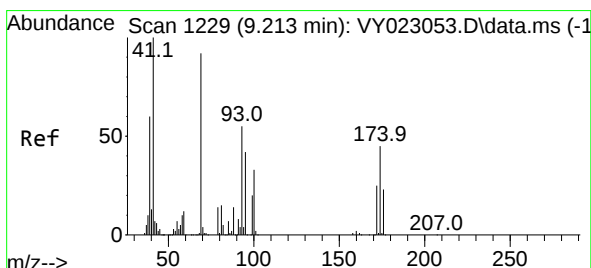
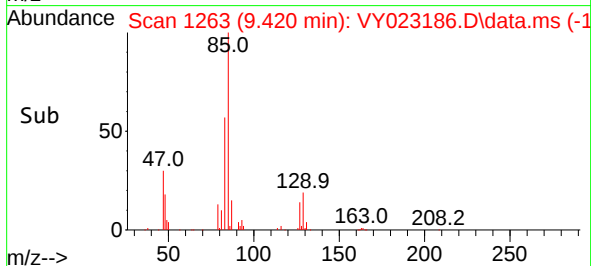
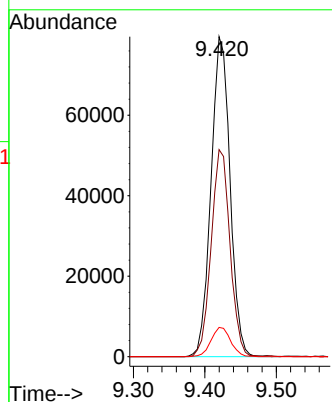
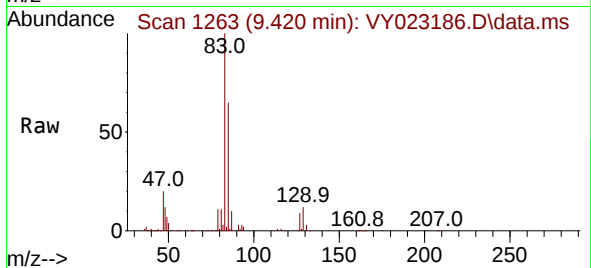
Tgt Ion: 83 Resp: 146522

Ion Ratio Lower Upper

83 100

85 64.7 50.2 75.4

127 9.2 6.6 10.0



#48

Methyl methacrylate

Concen: 17.137 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

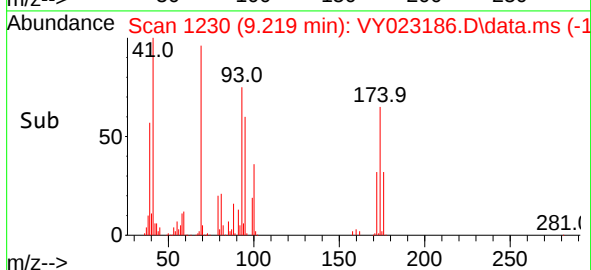
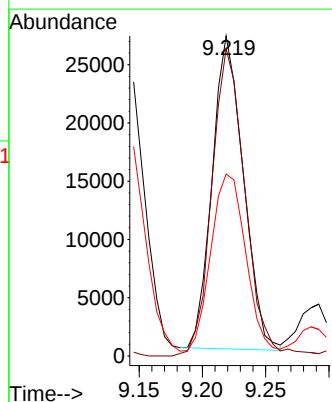
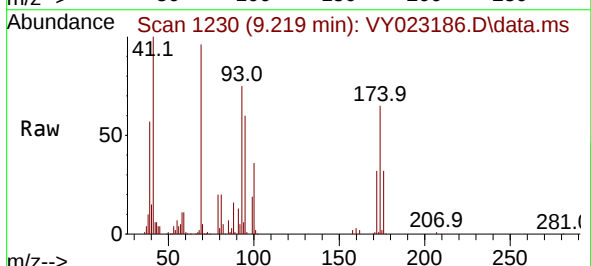
Tgt Ion: 41 Resp: 45980

Ion Ratio Lower Upper

41 100

69 104.6 73.2 109.8

39 63.3 47.0 70.4





#49

1,4-Dioxane

Concen: 384.141 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBSD01

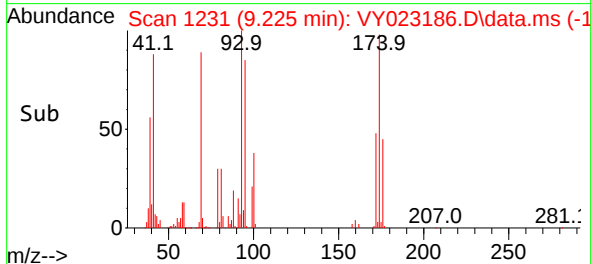
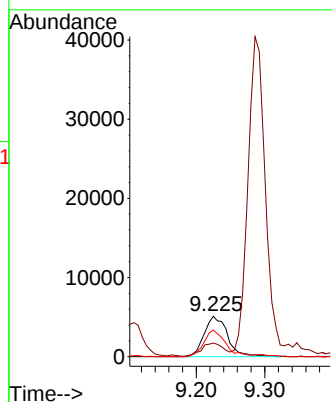
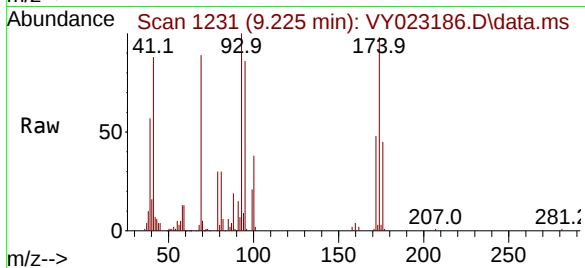
Tgt Ion: 88 Resp: 12108

Ion Ratio Lower Upper

88 100

43 30.3 24.3 36.5

58 60.6 55.4 83.0



#50

Toluene-d8

Concen: 50.921 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023186.D

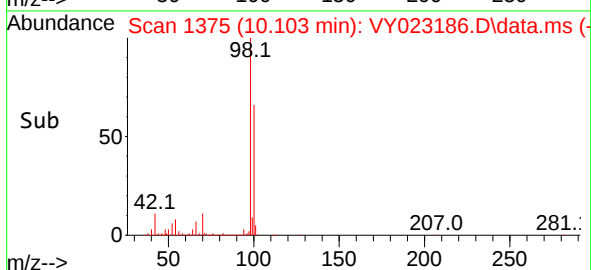
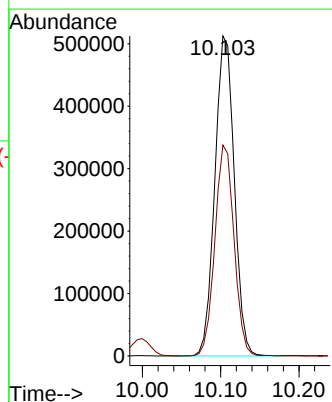
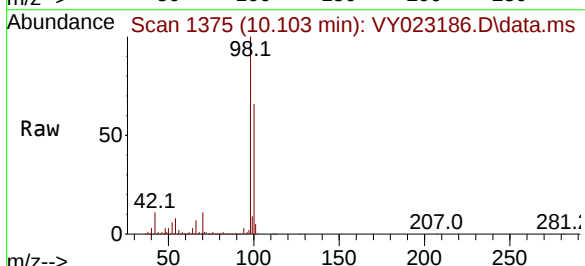
Acq: 22 Aug 2025 12:05

Tgt Ion: 98 Resp: 883998

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

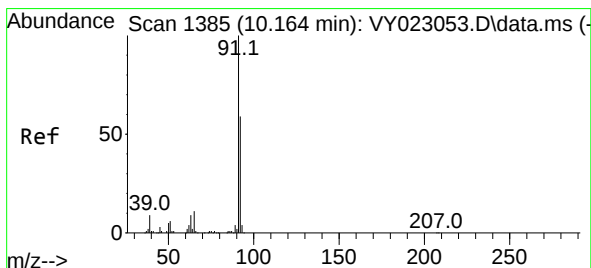
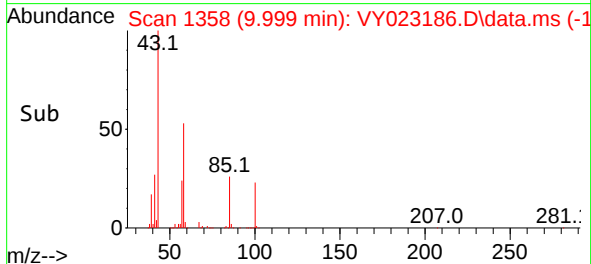
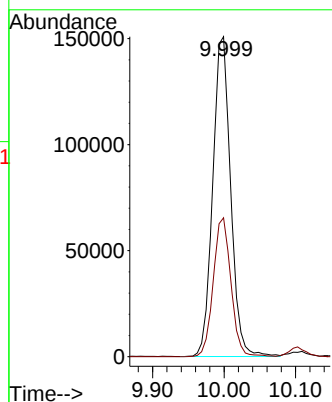
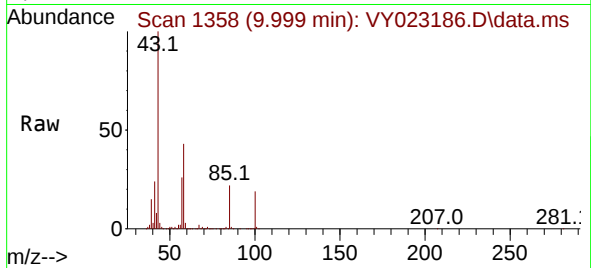




#51
4-Methyl-2-Pentanone
Concen: 90.762 ug/l
RT: 9.999 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

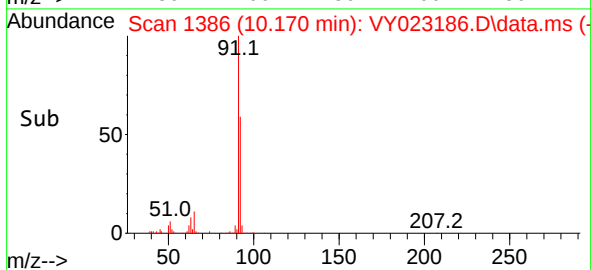
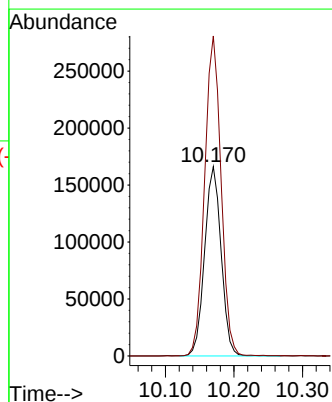
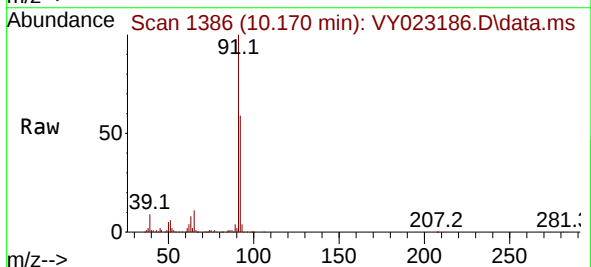
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

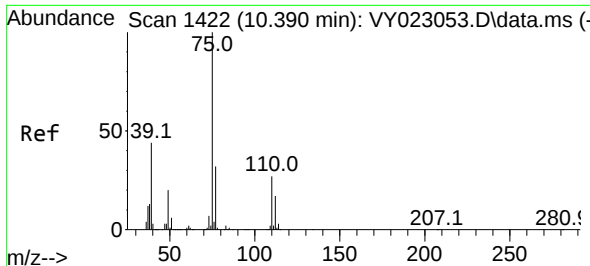
Tgt Ion: 43 Resp: 262515
Ion Ratio Lower Upper
43 100
58 42.9 33.5 50.3



#52
Toluene
Concen: 21.505 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 92 Resp: 278016
Ion Ratio Lower Upper
92 100
91 168.9 136.4 204.6

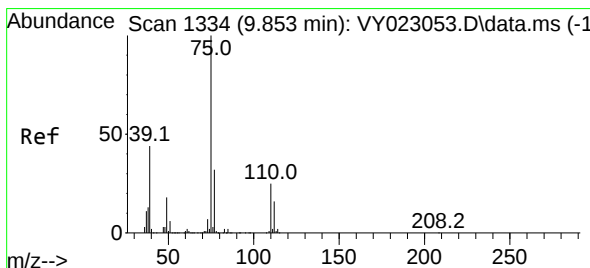
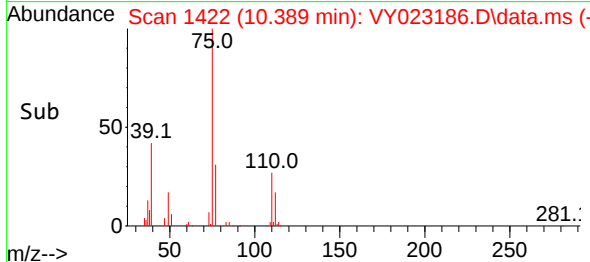
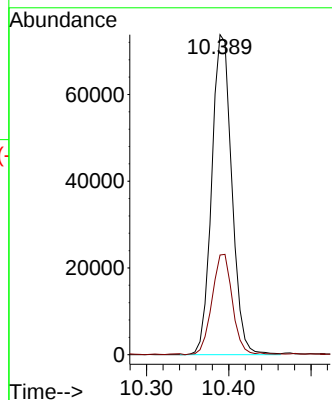
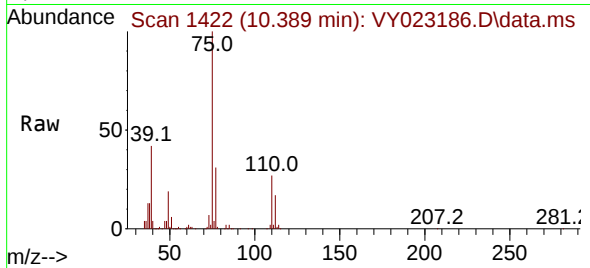




#53
t-1,3-Dichloropropene
Concen: 19.987 ug/l
RT: 10.389 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

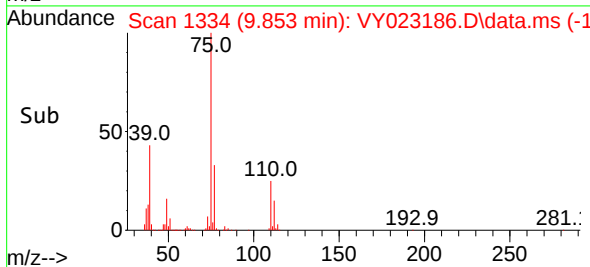
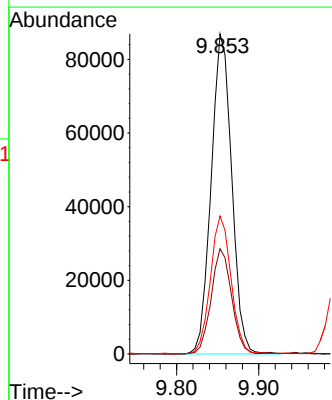
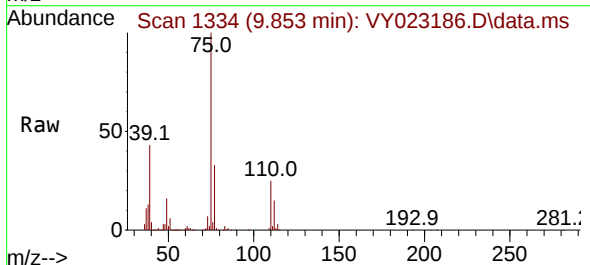
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

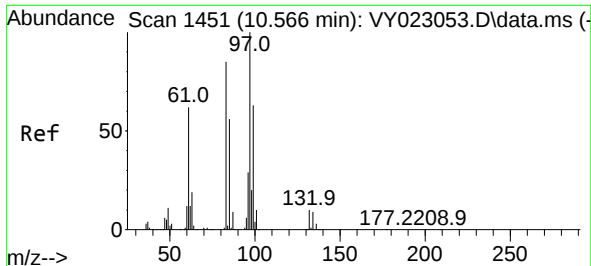
Tgt Ion: 75 Resp: 125195
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 20.388 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 75 Resp: 151005
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
39 43.0 35.6 53.4

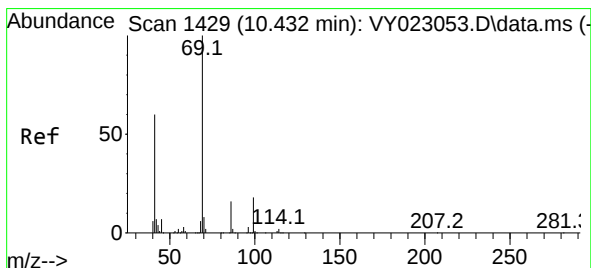
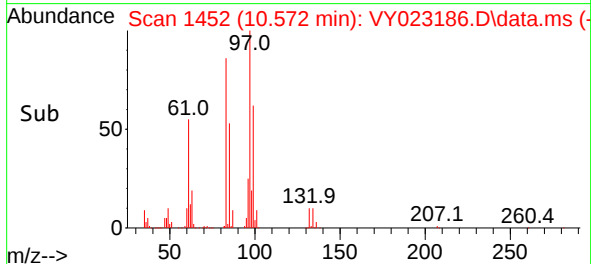
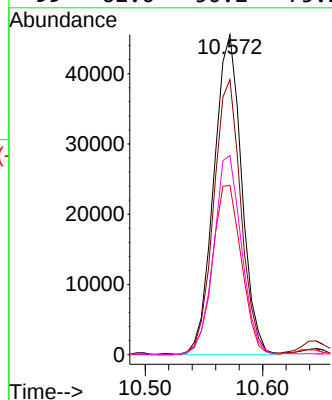
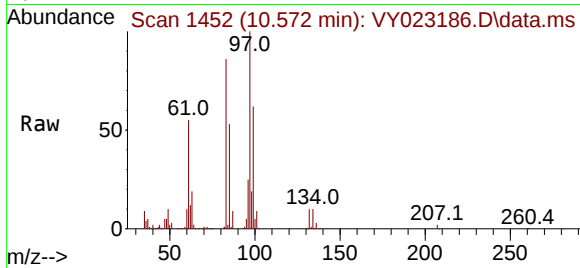




#55
1,1,2-Trichloroethane
Concen: 20.828 ug/l
RT: 10.572 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

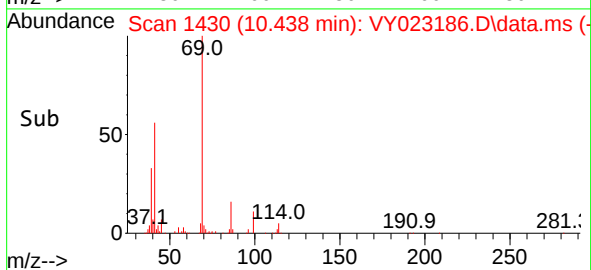
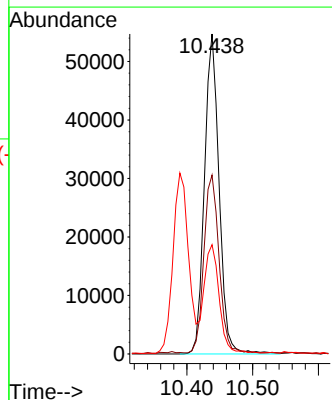
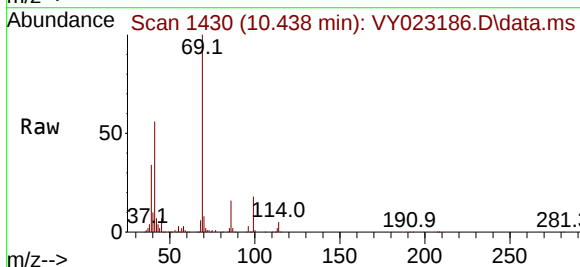
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

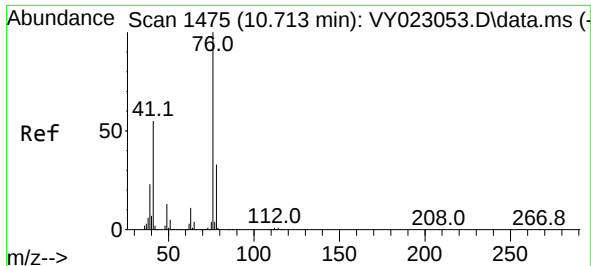
Tgt Ion:	97	Resp:	74919
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.7	101.5
85	52.8	44.5	66.7
99	62.0	50.2	75.2



#56
Ethyl methacrylate
Concen: 18.400 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion:	69	Resp:	84693
Ion	Ratio	Lower	Upper
69	100		
41	57.5	48.6	72.8
39	35.6	27.0	40.4





#57

1,3-Dichloropropane

Concen: 20.295 ug/l

RT: 10.712 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

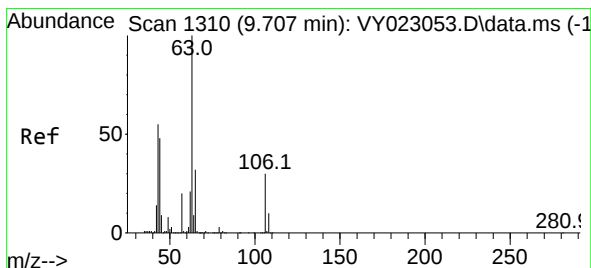
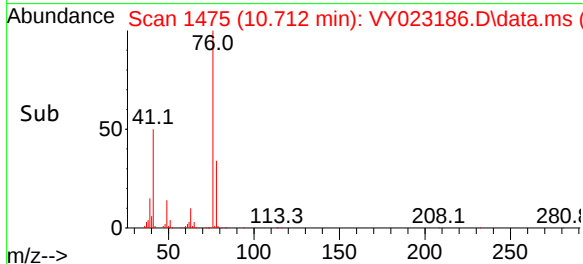
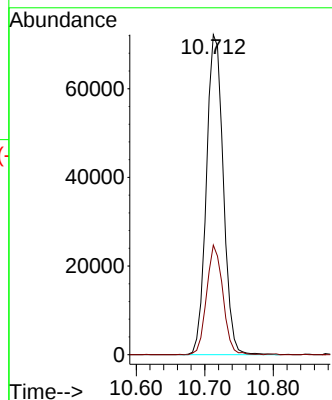
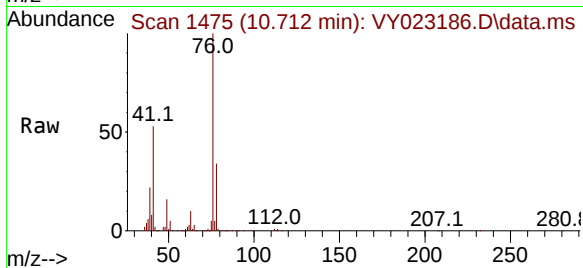
VY0822SBSD01

Tgt Ion: 76 Resp: 123805

Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 97.554 ug/l

RT: 9.706 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VY023186.D

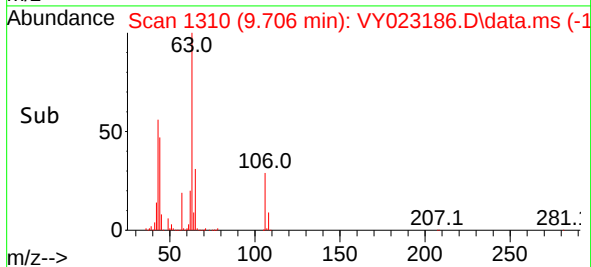
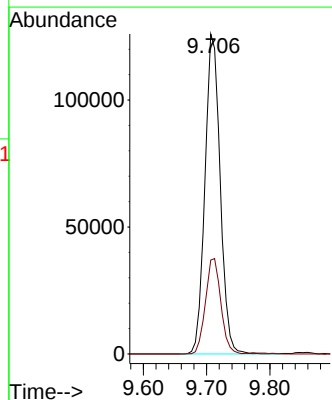
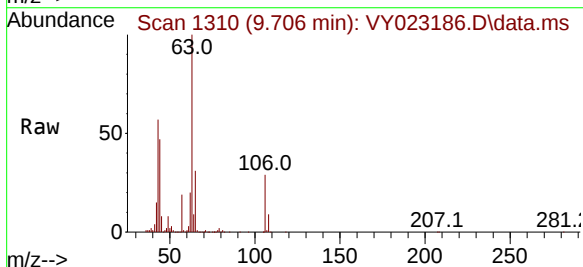
Acq: 22 Aug 2025 12:05

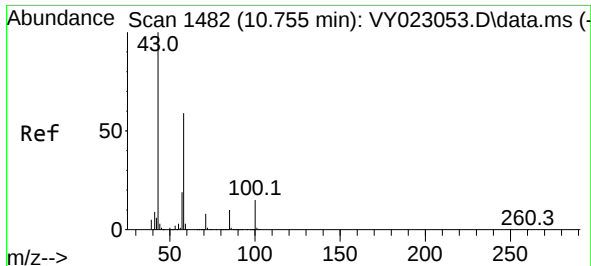
Tgt Ion: 63 Resp: 211804

Ion Ratio Lower Upper

63 100

106 30.2 23.2 34.8

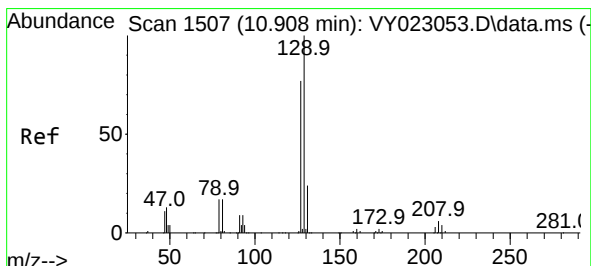
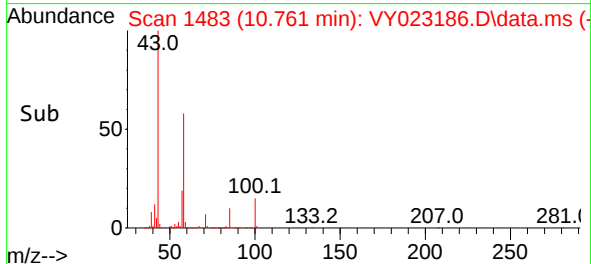
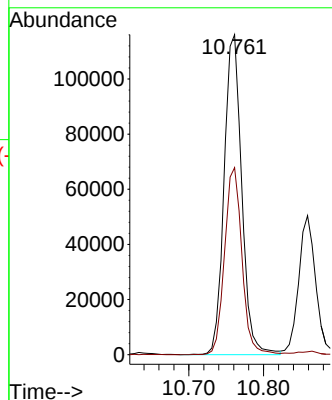
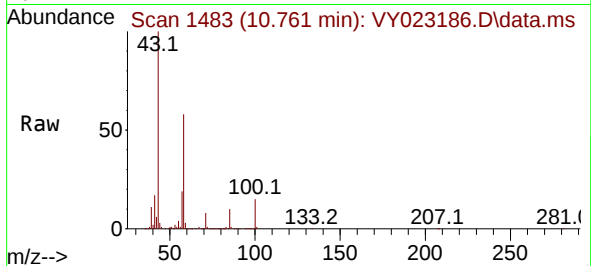




#59
2-Hexanone
Concen: 96.826 ug/l
RT: 10.761 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

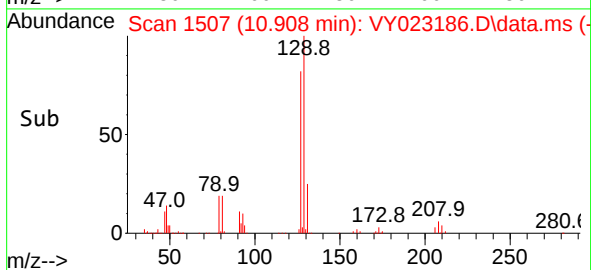
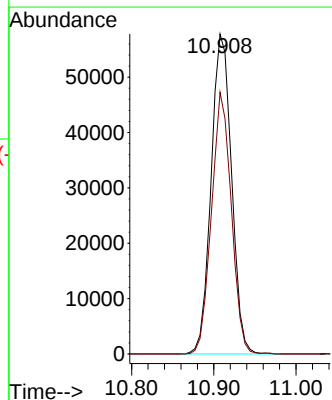
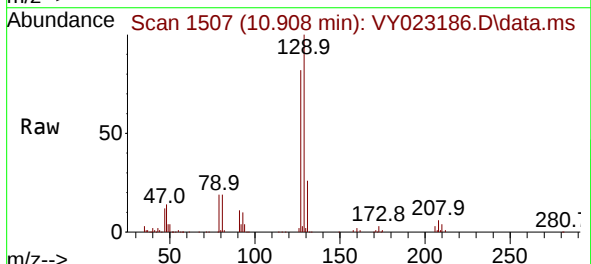
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

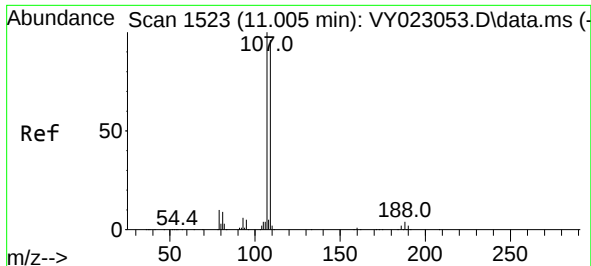
Tgt Ion: 43 Resp: 190698
Ion Ratio Lower Upper
43 100
58 57.6 29.5 88.5



#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 129 Resp: 99615
Ion Ratio Lower Upper
129 100
127 79.4 38.5 115.5

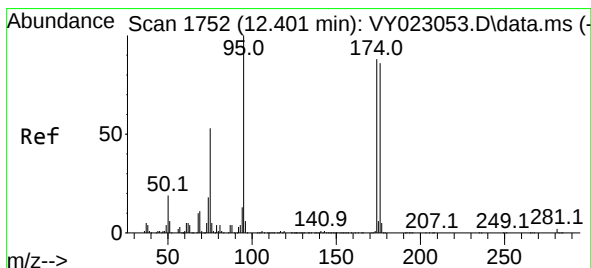
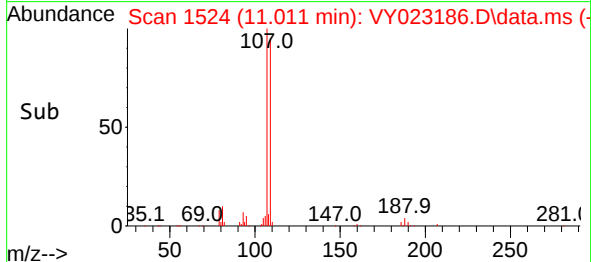
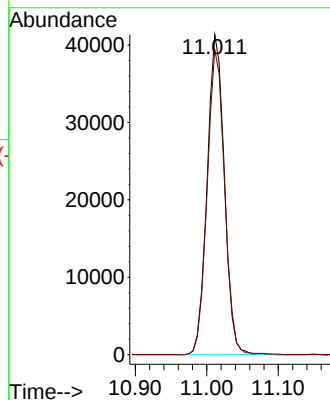
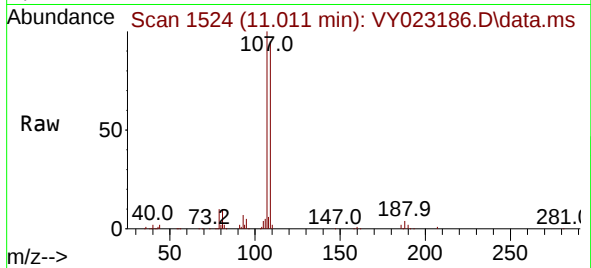




#61
1,2-Dibromoethane
Concen: 20.461 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

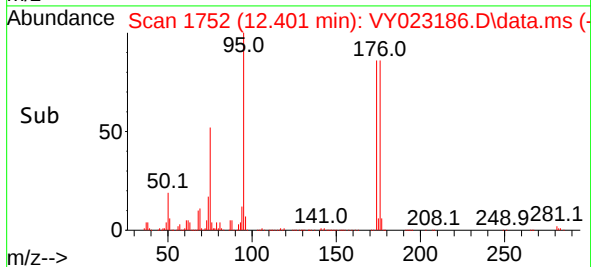
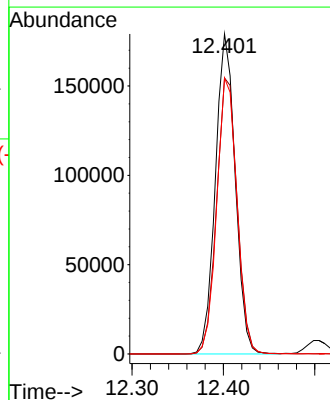
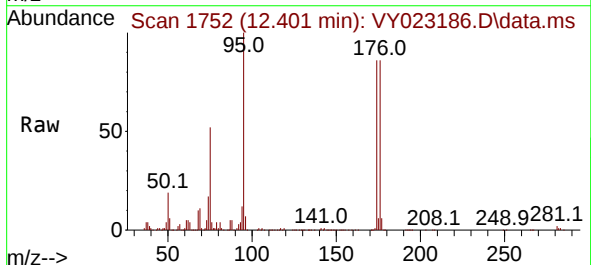
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

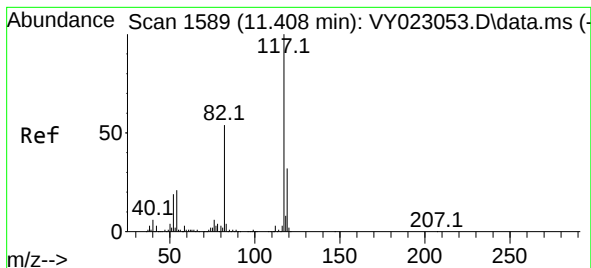
Tgt Ion:107 Resp: 69174
Ion Ratio Lower Upper
107 100
109 96.2 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.481 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 95 Resp: 270668
Ion Ratio Lower Upper
95 100
174 89.3 0.0 171.6
176 87.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

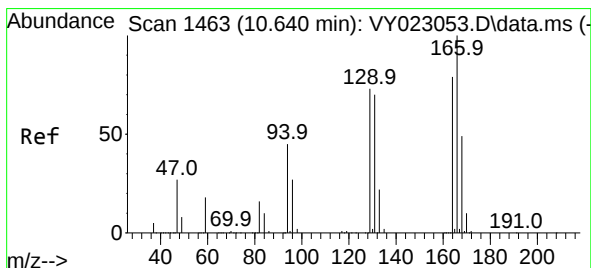
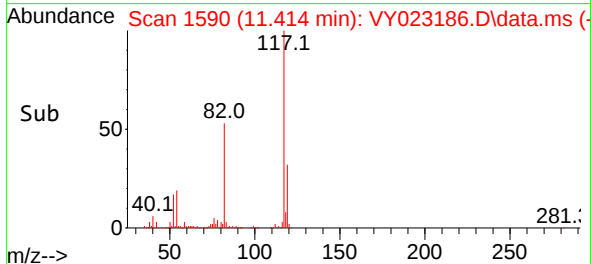
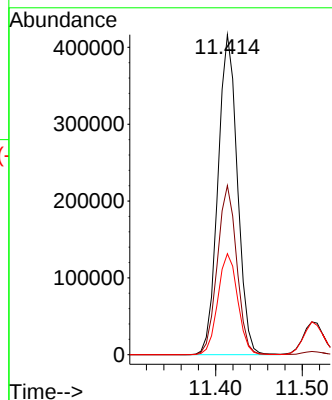
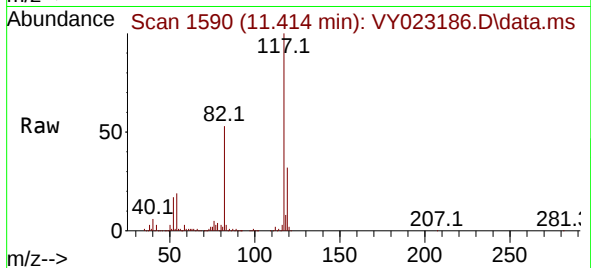
Tgt Ion:117 Resp: 649397

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.5 25.6 38.4



#64

Tetrachloroethene

Concen: 23.308 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Tgt Ion:164 Resp: 135153

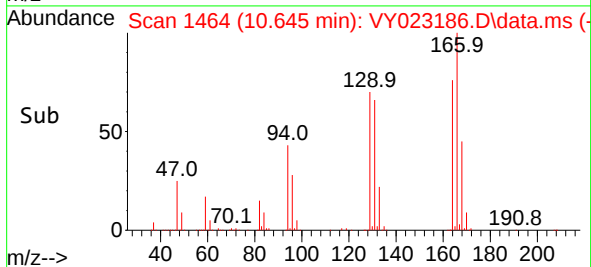
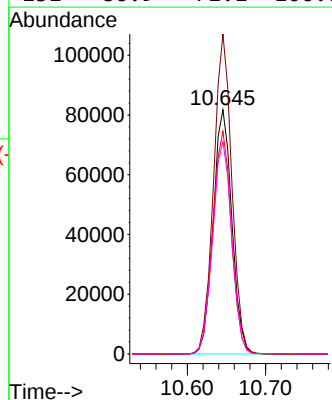
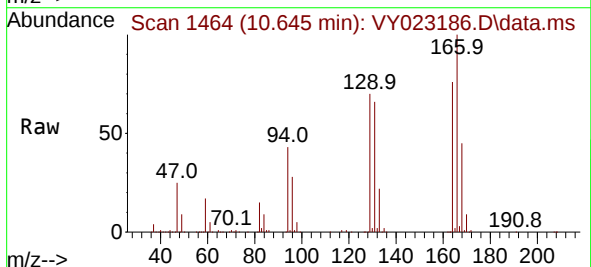
Ion Ratio Lower Upper

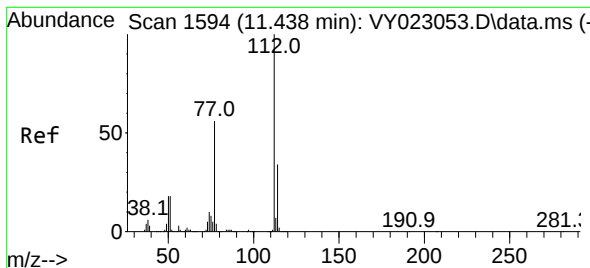
164 100

166 131.0 101.1 151.7

129 91.2 74.0 111.0

131 86.9 71.1 106.7





#65

Chlorobenzene

Concen: 21.461 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

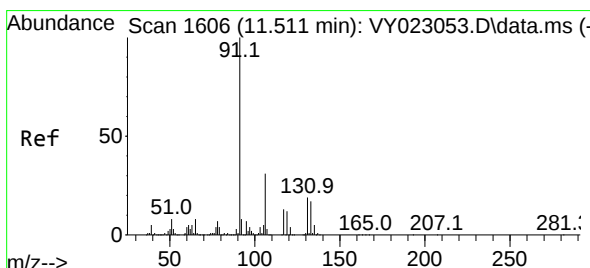
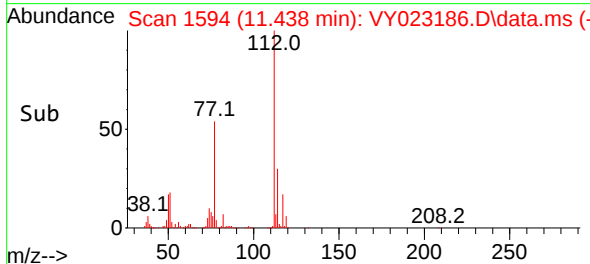
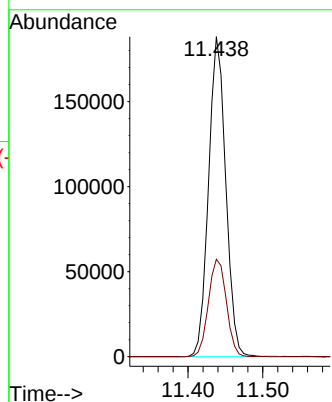
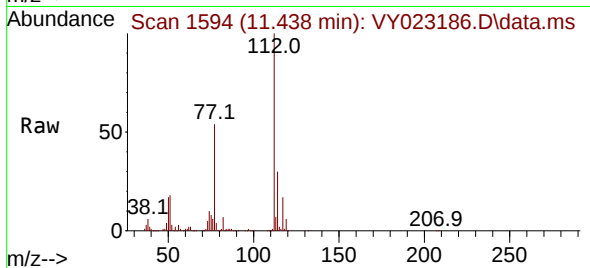
VY0822SBSD01

Tgt Ion:112 Resp: 300618

Ion Ratio Lower Upper

112 100

114 30.4 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.510 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

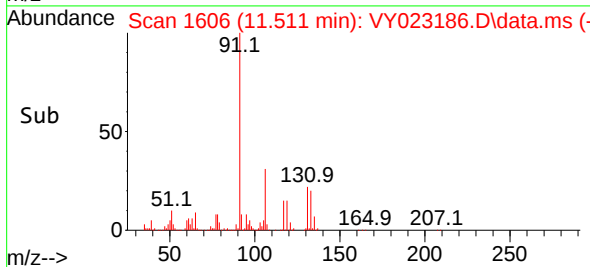
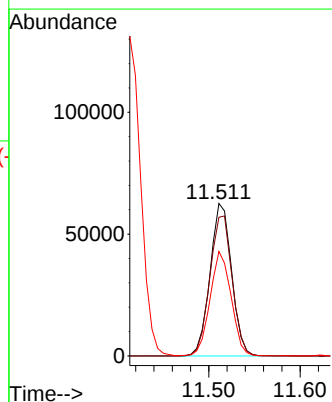
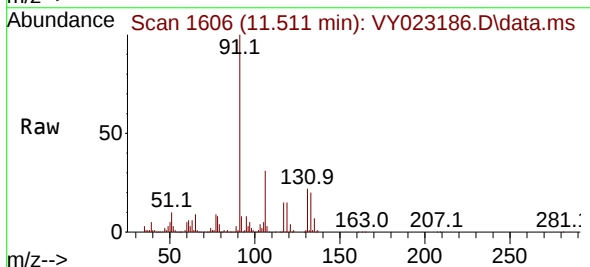
Tgt Ion:131 Resp: 102258

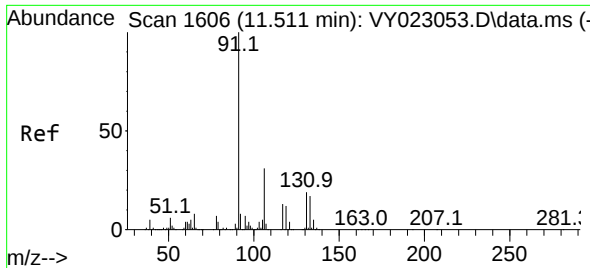
Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.6

119 67.2 33.2 99.6

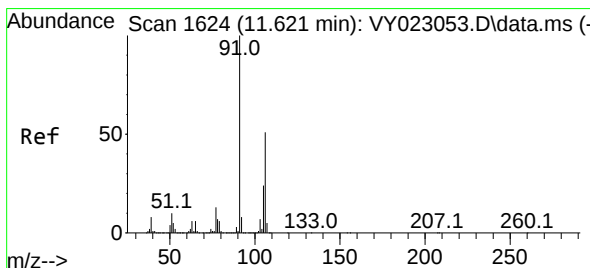
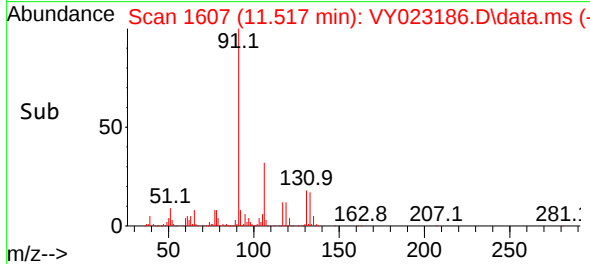
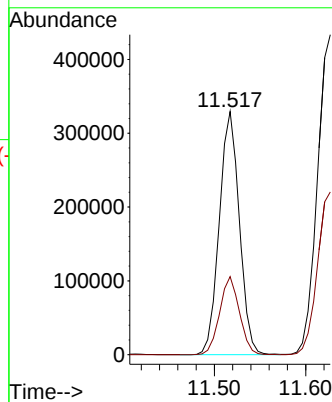
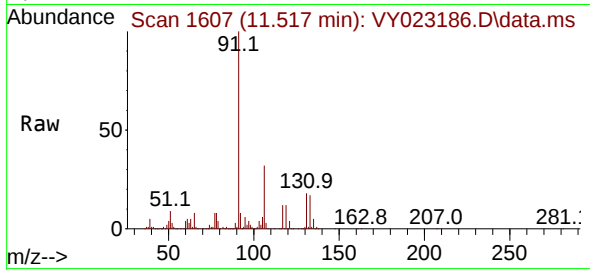




#67
Ethyl Benzene
Concen: 20.855 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

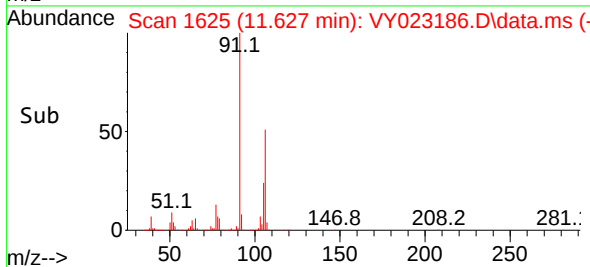
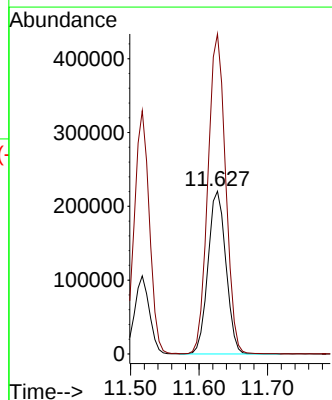
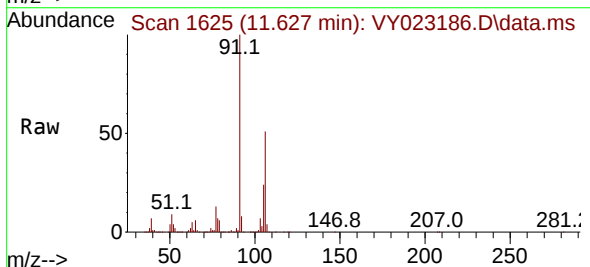
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

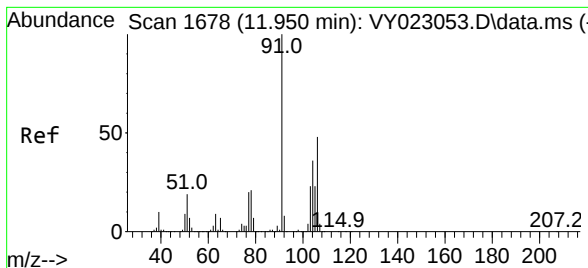
Tgt Ion: 91 Resp: 502722
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.4



#68
m/p-Xylenes
Concen: 42.525 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion:106 Resp: 400362
Ion Ratio Lower Upper
106 100
91 194.1 158.6 238.0

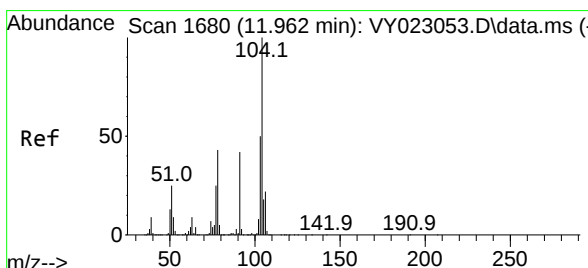
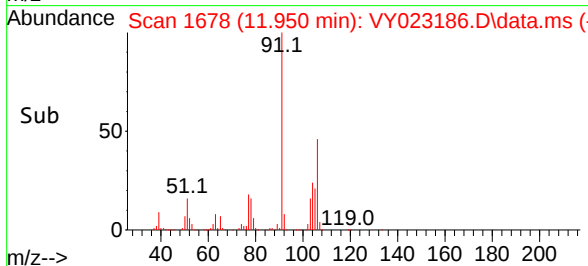
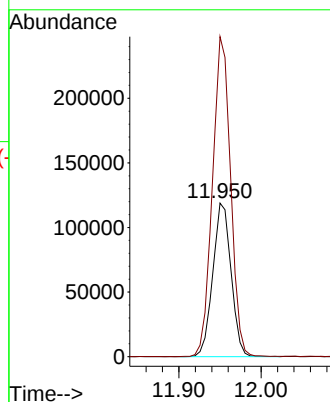
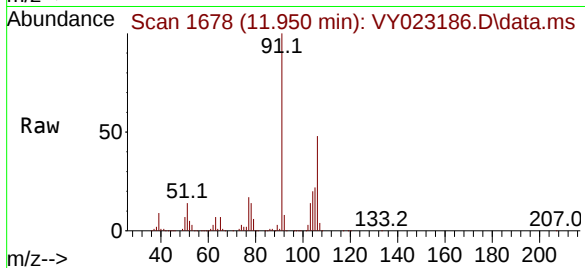




#69
o-Xylene
Concen: 20.806 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

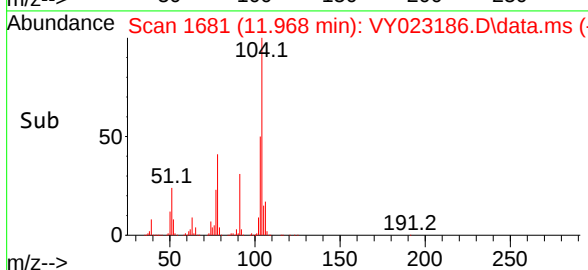
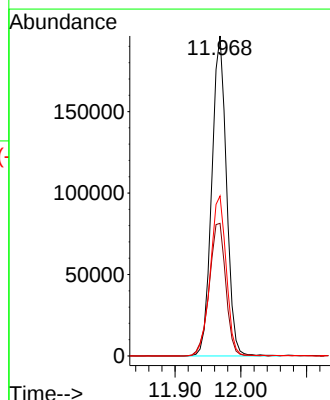
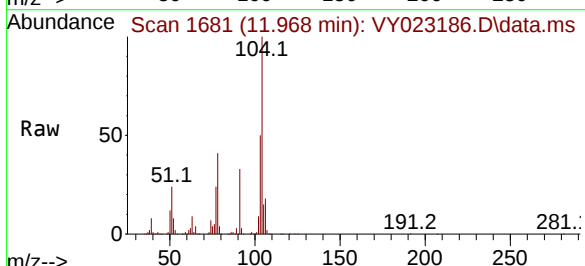
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

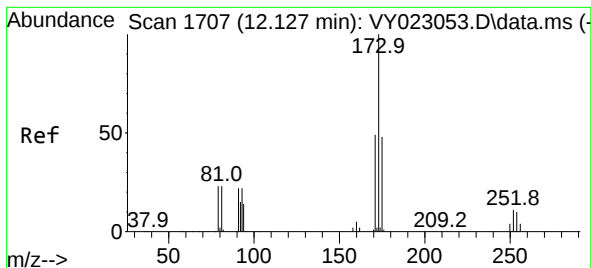
Tgt Ion:106 Resp: 183461
Ion Ratio Lower Upper
106 100
91 207.0 103.2 309.4



#70
Styrene
Concen: 21.222 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion:104 Resp: 306022
Ion Ratio Lower Upper
104 100
78 46.4 38.5 57.7
103 54.2 43.7 65.5





#71

Bromoform

Concen: 20.705 ug/l

RT: 12.127 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

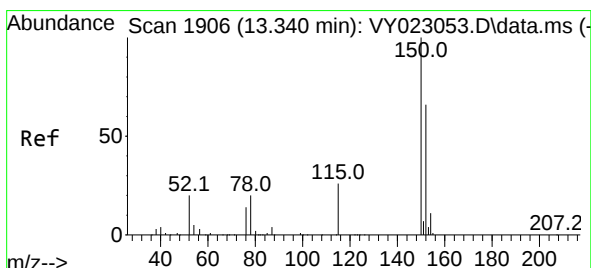
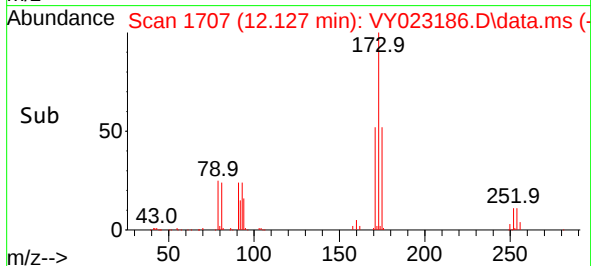
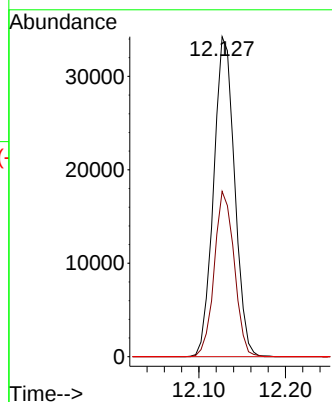
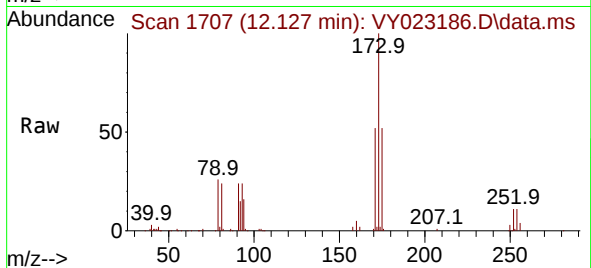
Tgt Ion:173 Resp: 57530

Ion Ratio Lower Upper

173 100

175 49.3 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

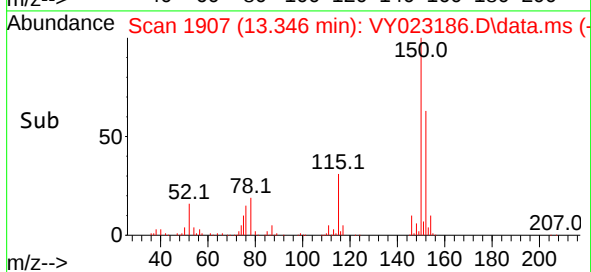
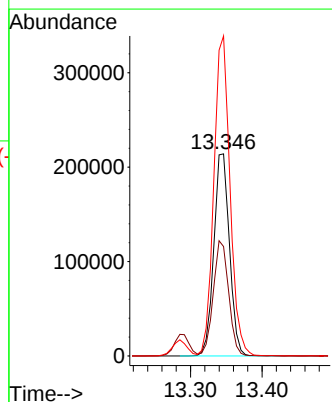
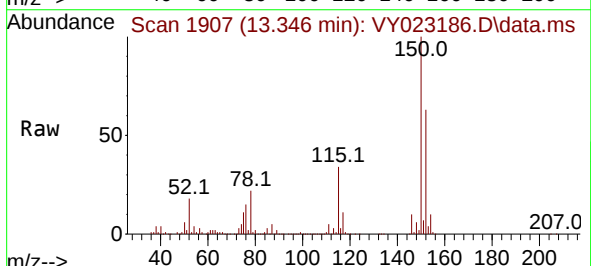
Tgt Ion:152 Resp: 324962

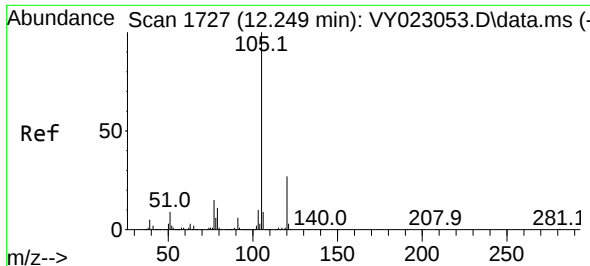
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 163.4 0.0 348.0

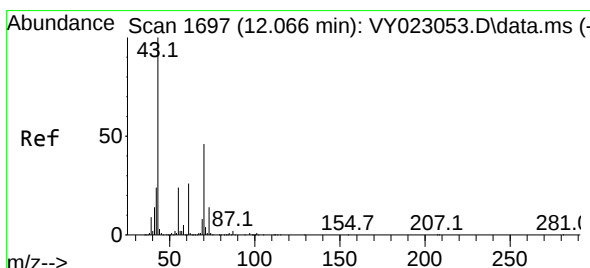
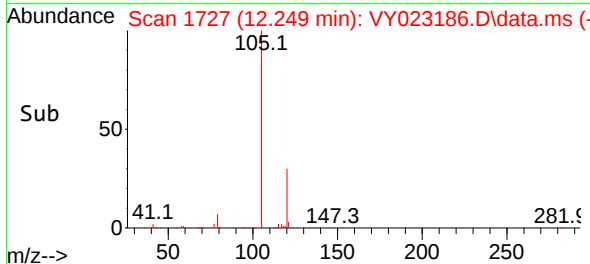
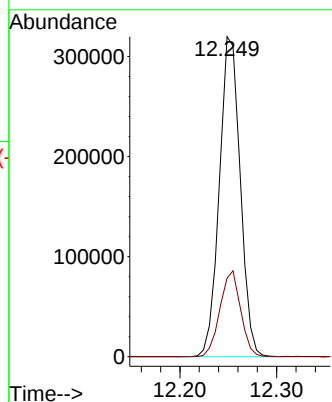
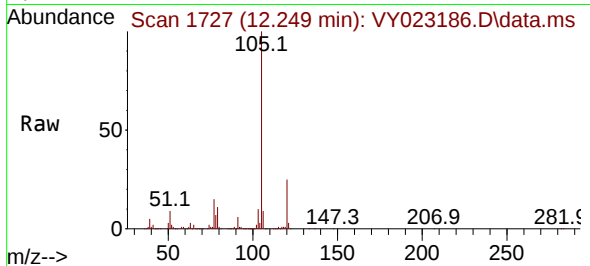




#73
Isopropylbenzene
Concen: 20.886 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

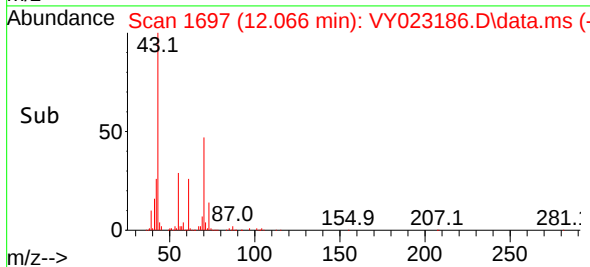
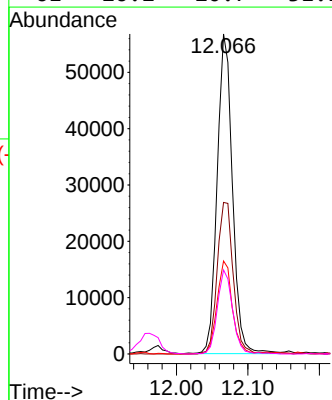
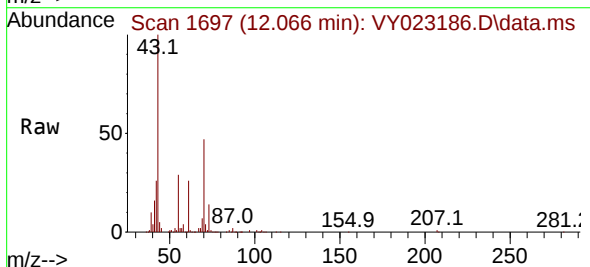
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBSD01

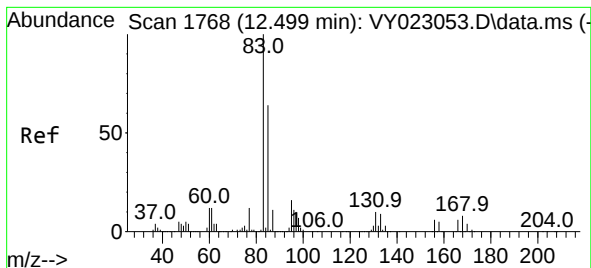
Tgt Ion:105 Resp: 479041
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2



#74
N-ethyl acetate
Concen: 17.318 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 43 Resp: 84231
Ion Ratio Lower Upper
43 100
70 49.7 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: 19.245 ug/l

RT: 12.505 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

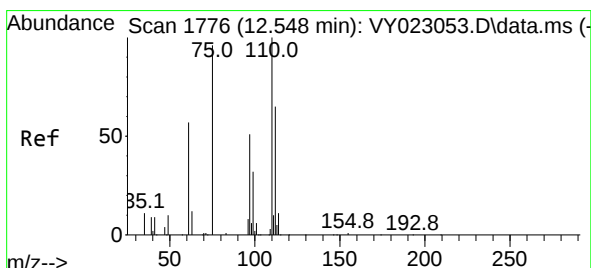
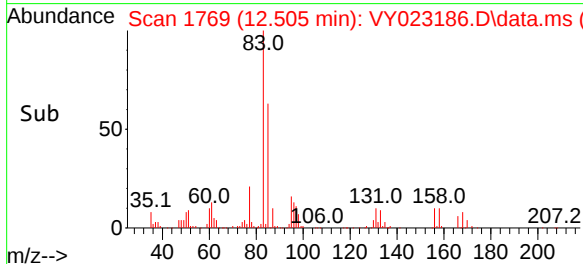
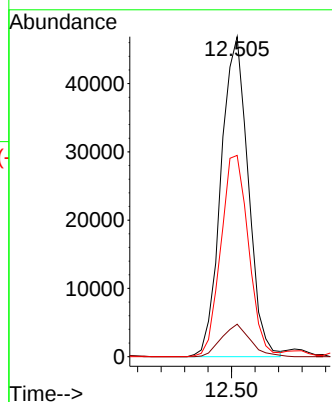
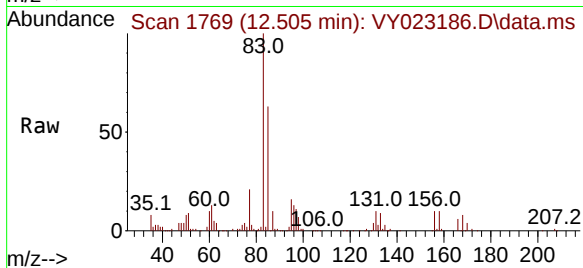
Tgt Ion: 83 Resp: 75367

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 64.3 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 32.814 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023186.D

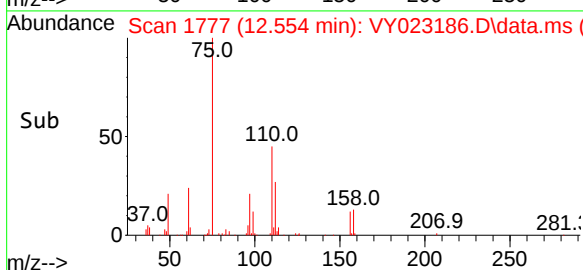
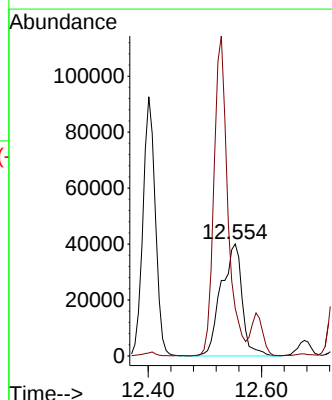
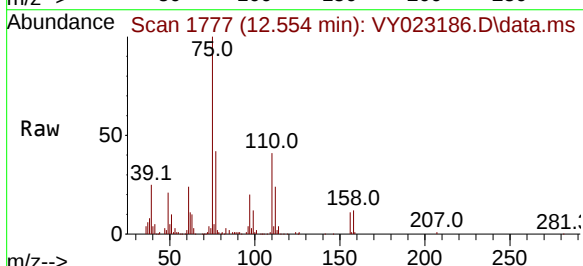
Acq: 22 Aug 2025 12:05

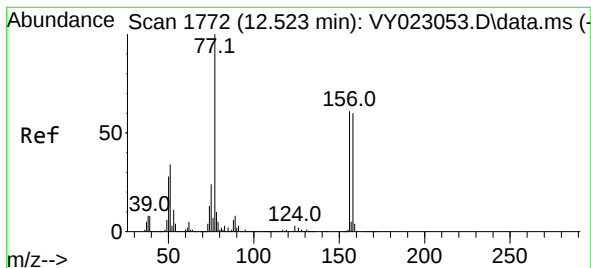
Tgt Ion: 75 Resp: 102913

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.128 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

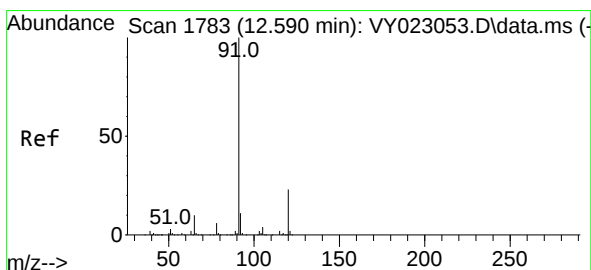
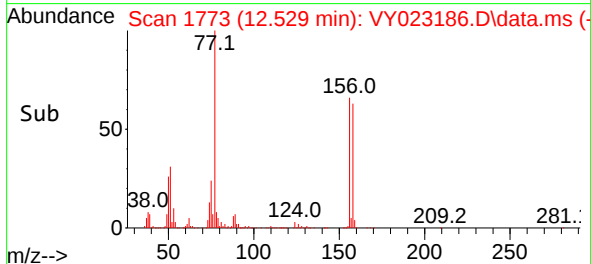
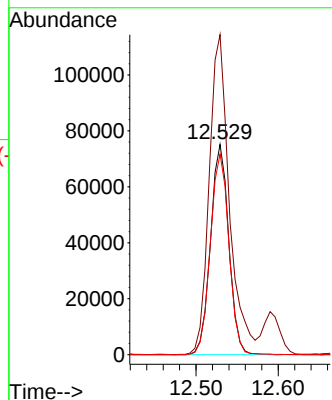
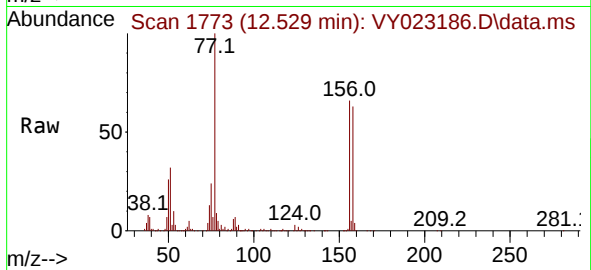
Tgt Ion:156 Resp: 115605

Ion Ratio Lower Upper

156 100

77 168.7 88.1 264.4

158 97.0 48.0 144.0



#78

n-propylbenzene

Concen: 20.966 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. -0.000 min

Lab File: VY023186.D

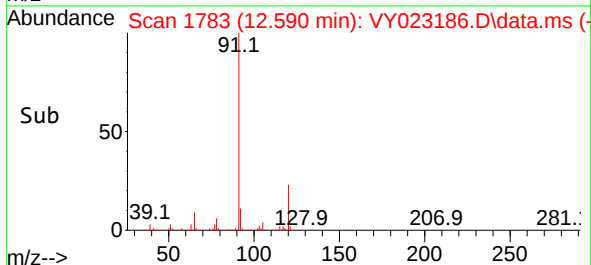
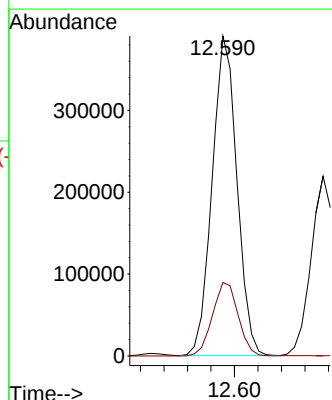
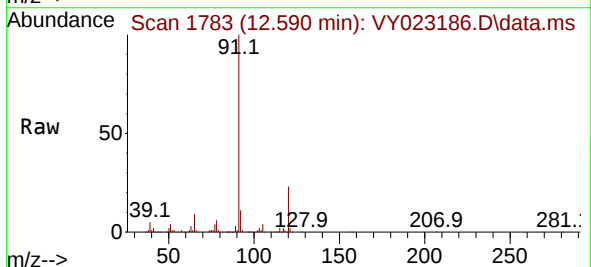
Acq: 22 Aug 2025 12:05

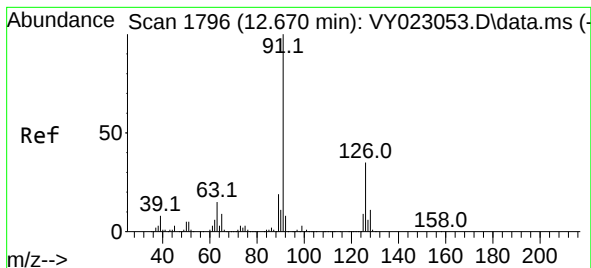
Tgt Ion: 91 Resp: 572499

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.5





#79

2-Chlorotoluene

Concen: 20.764 ug/l

RT: 12.675 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

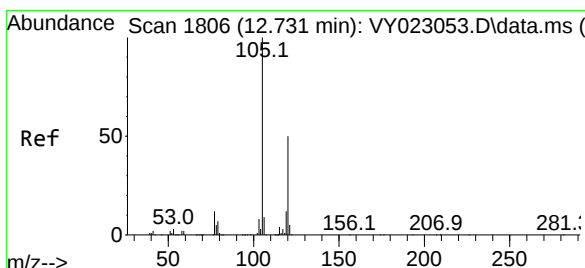
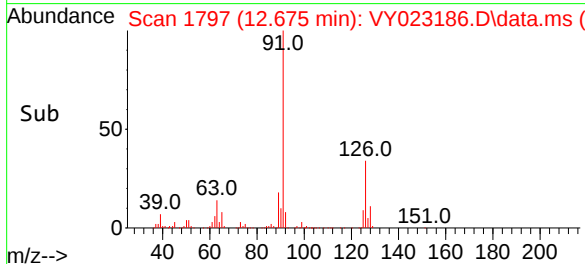
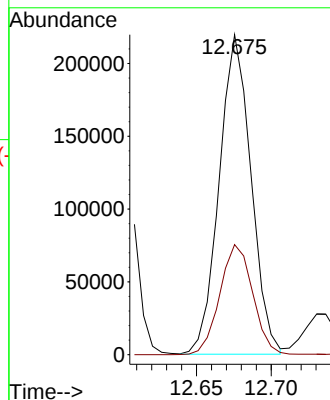
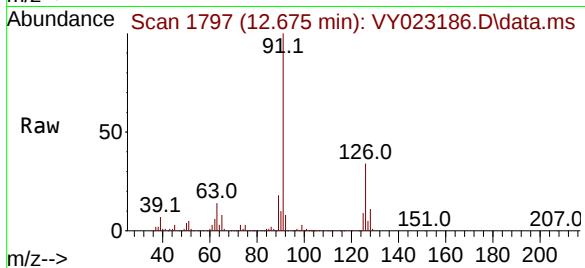
VY0822SBS01

Tgt Ion: 91 Resp: 324864

Ion Ratio Lower Upper

91 100

126 35.6 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.010 ug/l

RT: 12.730 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VY023186.D

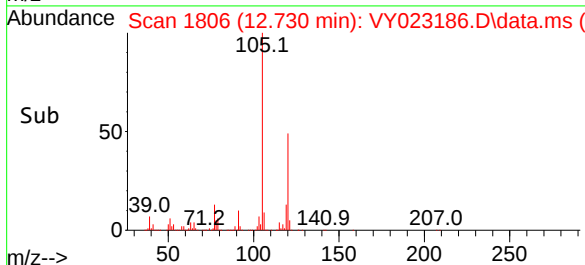
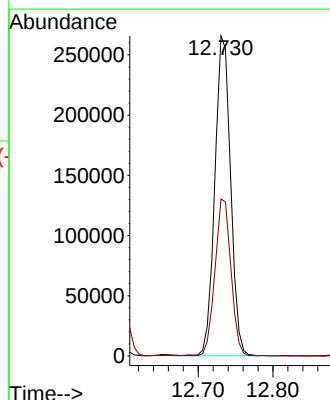
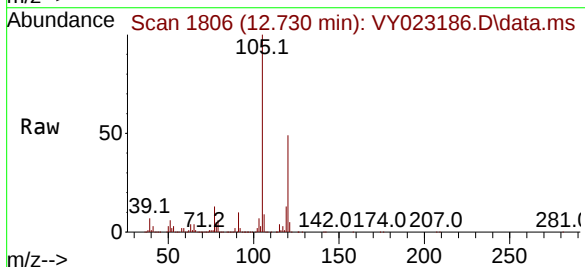
Acq: 22 Aug 2025 12:05

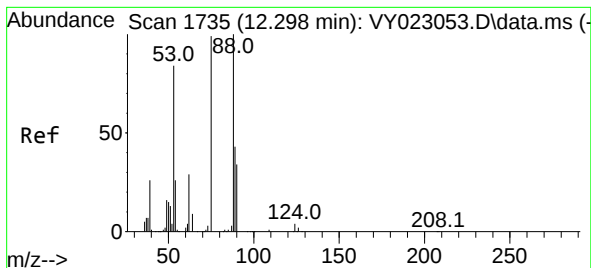
Tgt Ion: 105 Resp: 389444

Ion Ratio Lower Upper

105 100

120 49.8 24.8 74.4

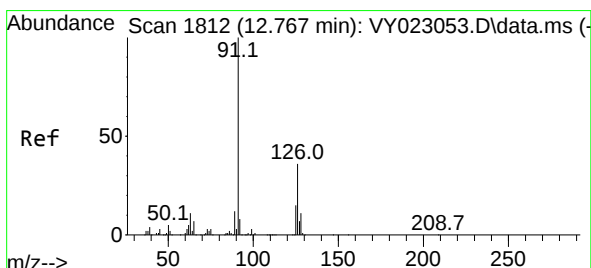
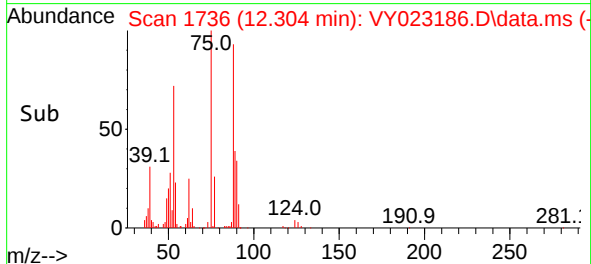
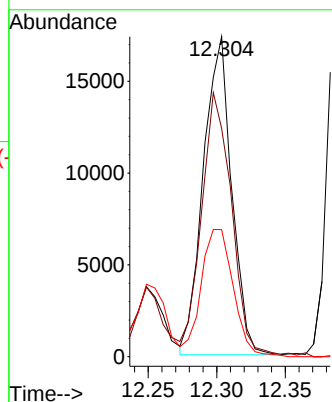
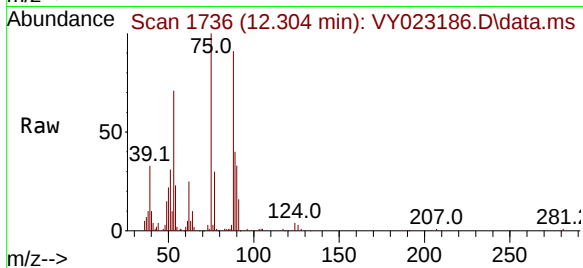




#81
trans-1,4-Dichloro-2-butene
Concen: 19.217 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

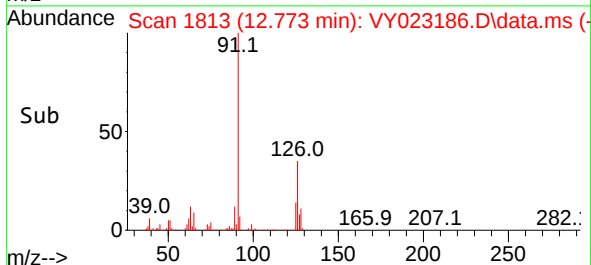
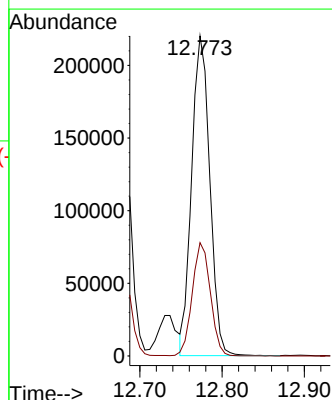
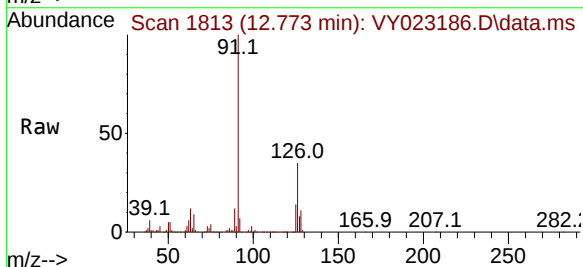
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBS01

Tgt Ion: 75 Resp: 24898
Ion Ratio Lower Upper
75 100
53 88.8 70.8 106.2
89 45.6 38.1 57.1



#82
4-Chlorotoluene
Concen: 20.754 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023186.D
Acq: 22 Aug 2025 12:05

Tgt Ion: 91 Resp: 336841
Ion Ratio Lower Upper
91 100
126 35.4 17.3 52.0





#83

tert-Butylbenzene

Concen: 21.155 ug/l

RT: 12.992 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBSD01

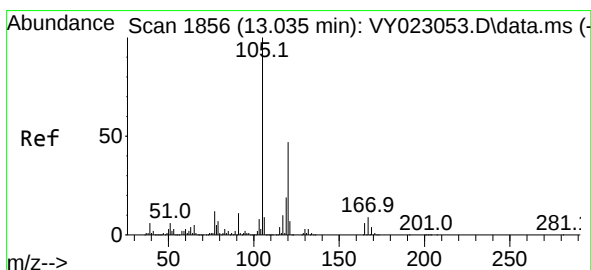
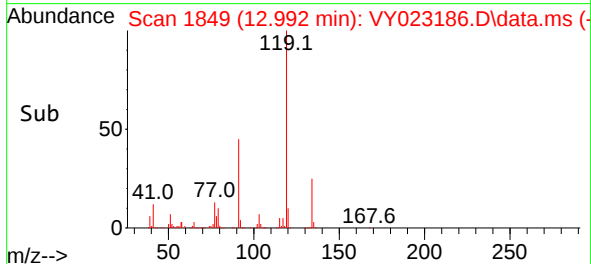
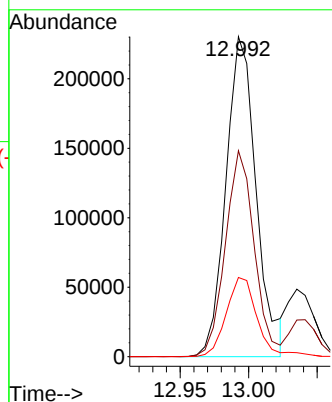
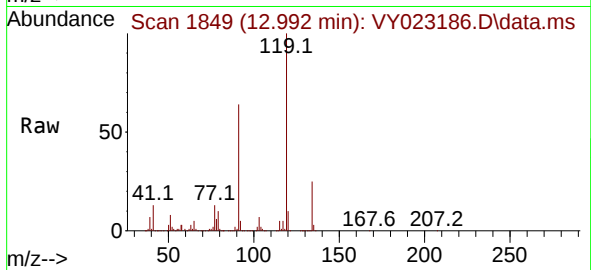
Tgt Ion:119 Resp: 354160

Ion Ratio Lower Upper

119 100

91 61.6 31.6 94.8

134 25.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 21.028 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023186.D

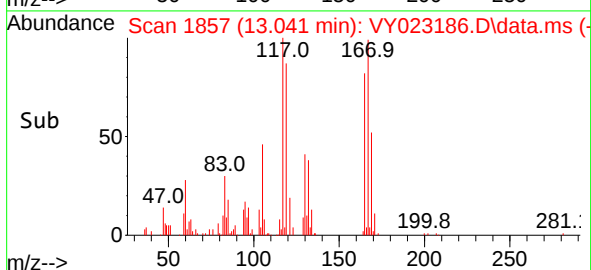
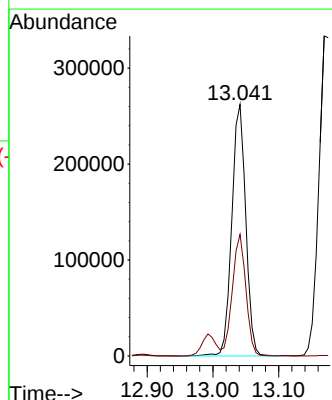
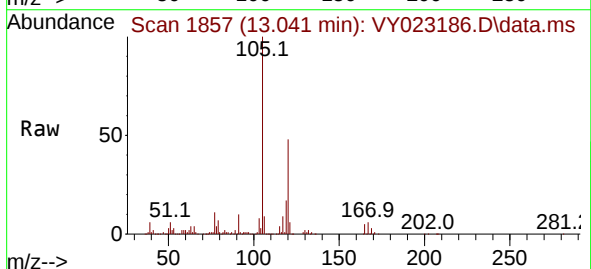
Acq: 22 Aug 2025 12:05

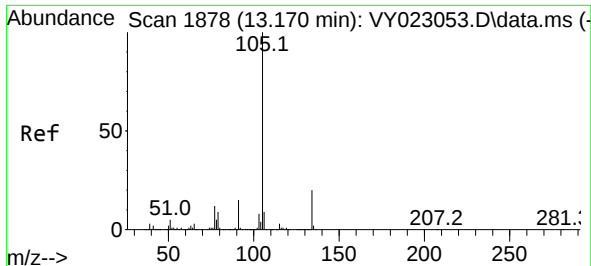
Tgt Ion:105 Resp: 388014

Ion Ratio Lower Upper

105 100

120 46.9 23.0 69.0

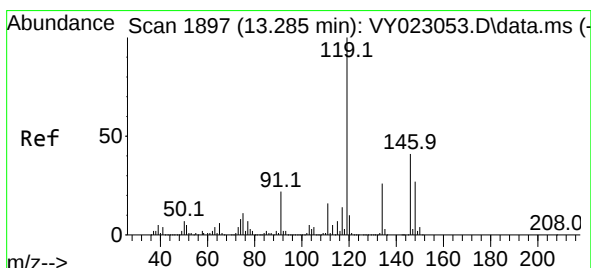
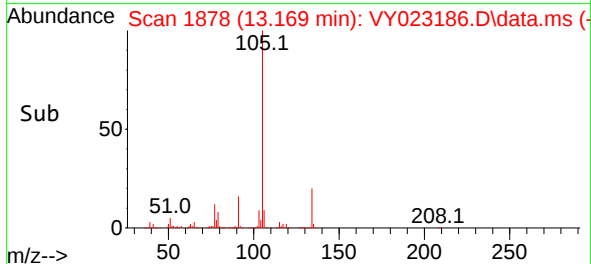
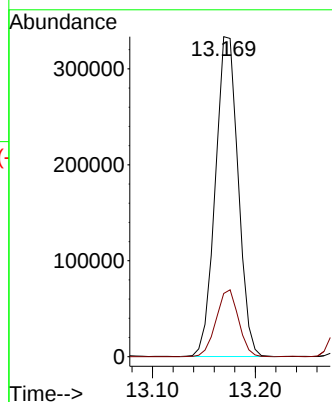
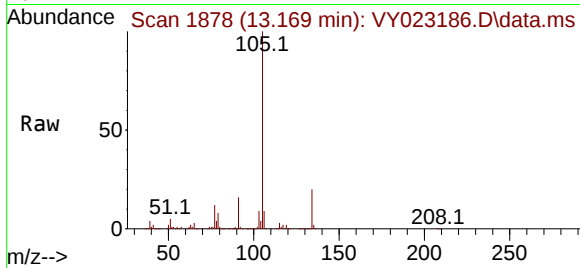




#85
 sec-Butylbenzene
 Concen: 20.872 ug/l
 RT: 13.169 min Scan# 1878
 Delta R.T. -0.000 min
 Lab File: VY023186.D
 Acq: 22 Aug 2025 12:05

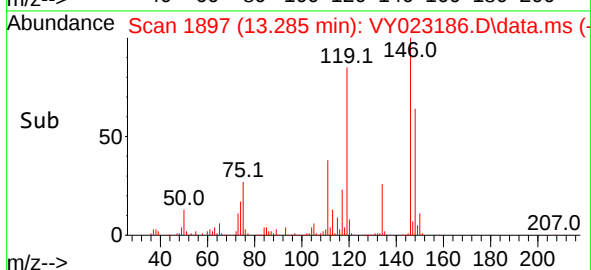
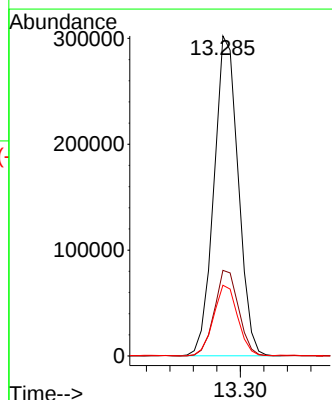
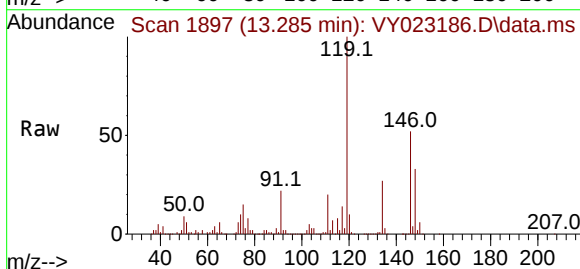
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBSD01

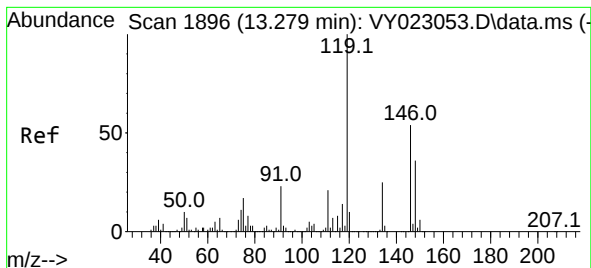
Tgt Ion:105 Resp: 513289
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.201 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY023186.D
 Acq: 22 Aug 2025 12:05

Tgt Ion:119 Resp: 432780
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.6
 91 22.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 21.460 ug/l

RT: 13.285 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

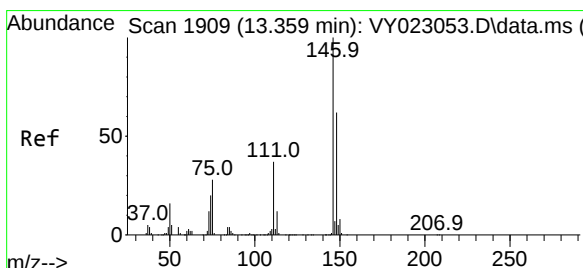
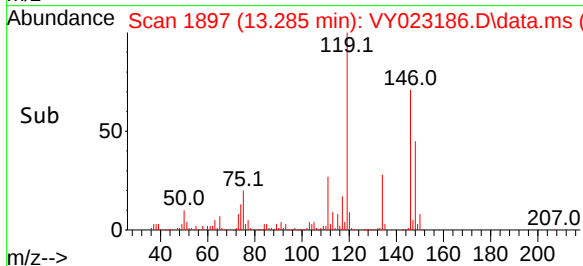
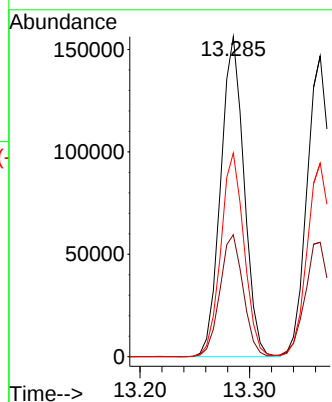
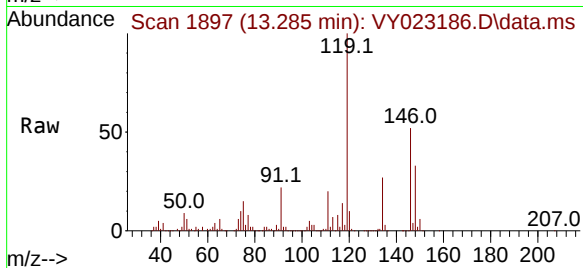
Tgt Ion:146 Resp: 231560

Ion Ratio Lower Upper

146 100

111 37.9 19.6 58.7

148 63.4 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 20.935 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

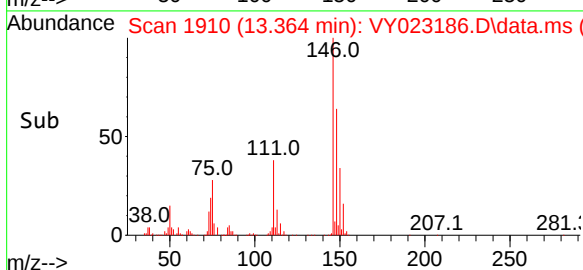
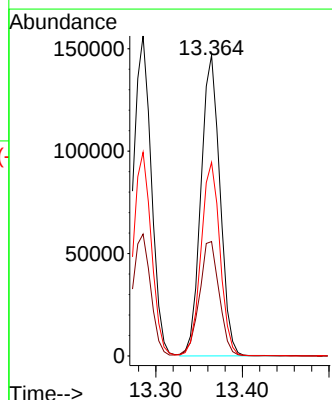
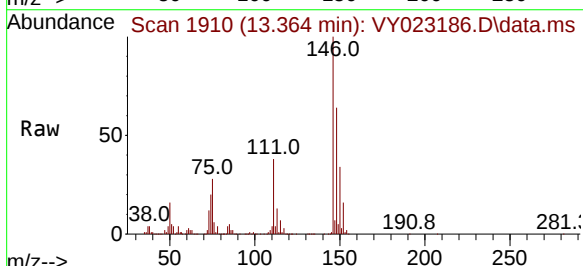
Tgt Ion:146 Resp: 224080

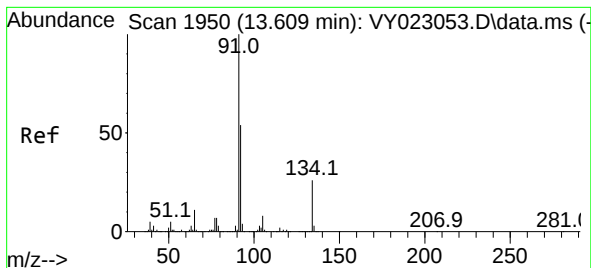
Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.1

148 64.0 31.6 94.7





#89

n-Butylbenzene

Concen: 20.528 ug/l

RT: 13.614 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

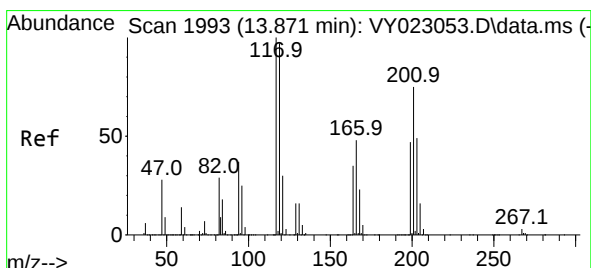
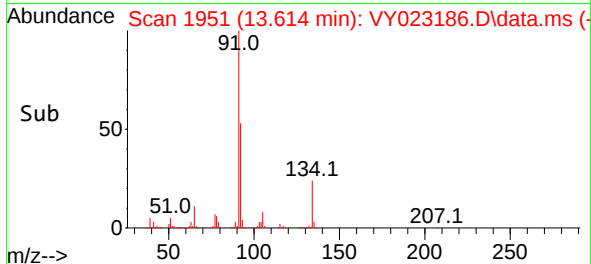
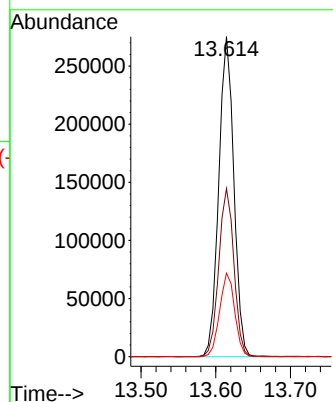
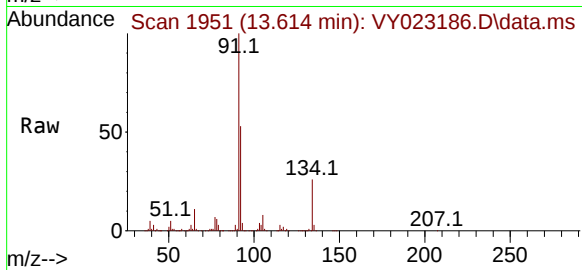
Tgt Ion: 91 Resp: 384866

Ion Ratio Lower Upper

91 100

92 52.9 26.9 80.7

134 26.1 13.2 39.5



#90

Hexachloroethane

Concen: 21.254 ug/l

RT: 13.876 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023186.D

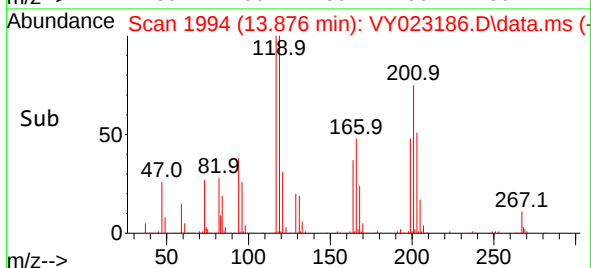
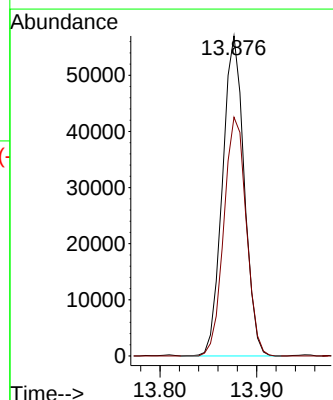
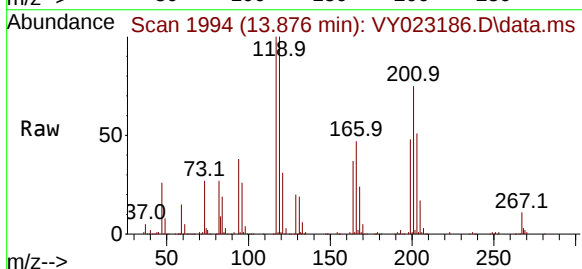
Acq: 22 Aug 2025 12:05

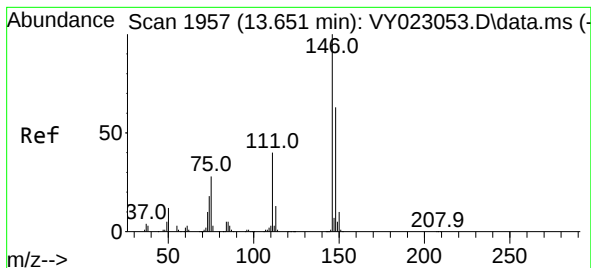
Tgt Ion: 117 Resp: 88815

Ion Ratio Lower Upper

117 100

201 77.0 38.4 115.1





#91

1,2-Dichlorobenzene

Concen: 21.030 ug/l

RT: 13.657 min Scan# 1957

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBSD01

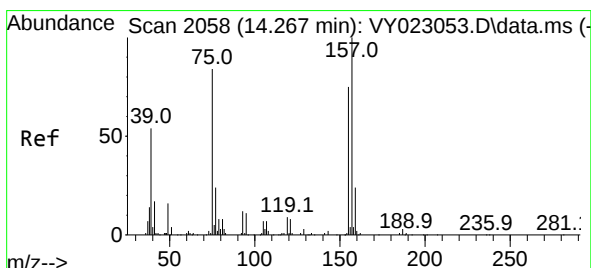
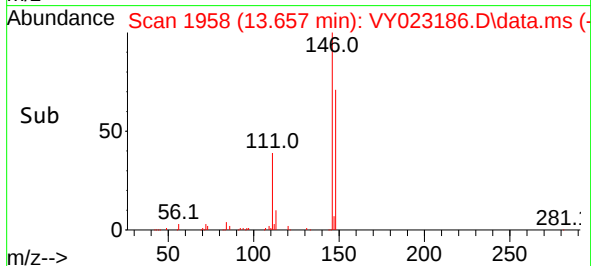
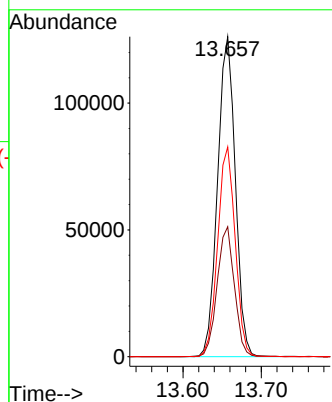
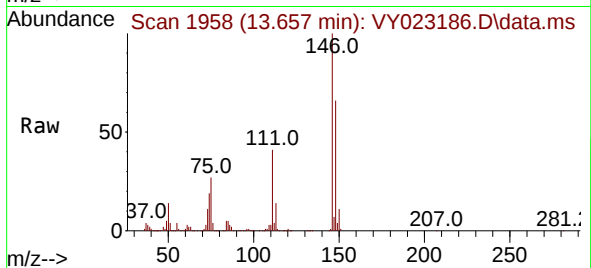
Tgt Ion:146 Resp: 199008

Ion Ratio Lower Upper

146 100

111 39.6 20.3 60.8

148 64.7 32.2 96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.628 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

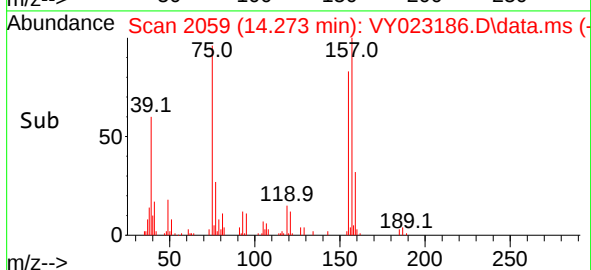
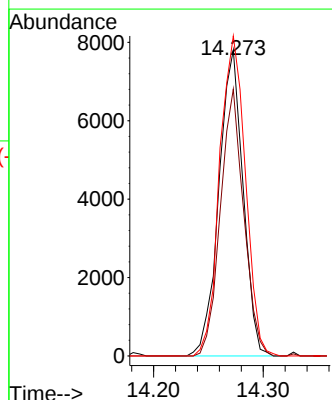
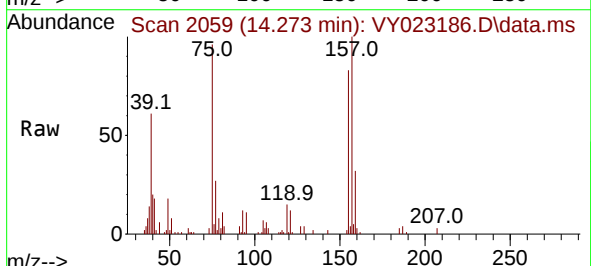
Tgt Ion: 75 Resp: 11968

Ion Ratio Lower Upper

75 100

155 84.0 43.9 131.6

157 110.9 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 19.907 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

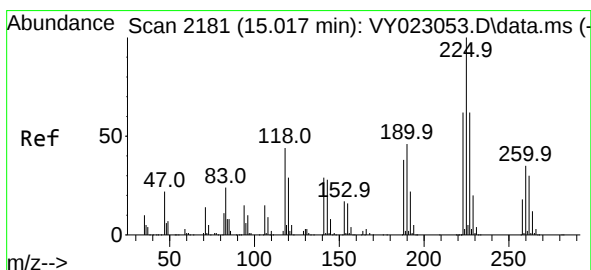
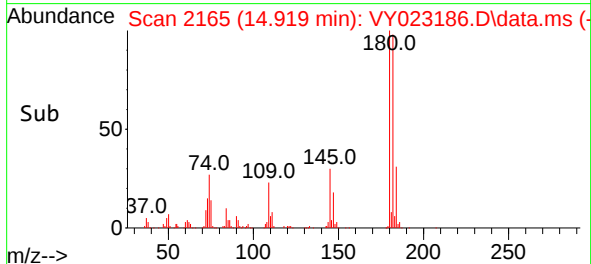
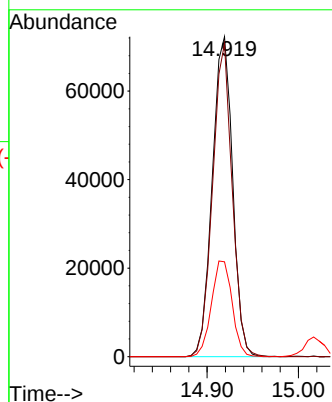
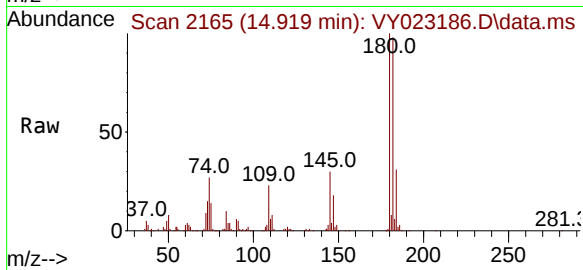
Tgt Ion:180 Resp: 111401

Ion Ratio Lower Upper

180 100

182 94.2 46.8 140.4

145 30.5 14.4 43.4



#94

Hexachlorobutadiene

Concen: 21.165 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

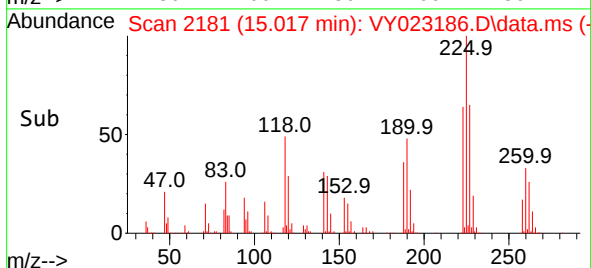
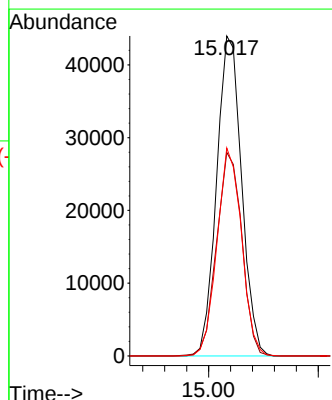
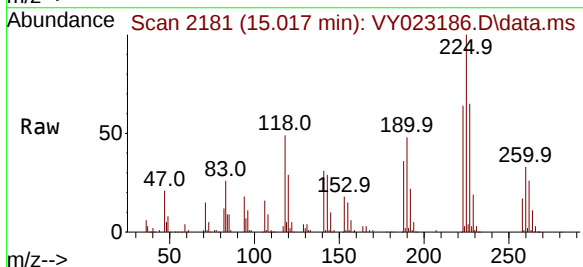
Tgt Ion:225 Resp: 69600

Ion Ratio Lower Upper

225 100

223 64.3 31.3 93.8

227 63.8 31.5 94.5





#95

Naphthalene

Concen: 18.007 ug/l

RT: 15.138 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBS01

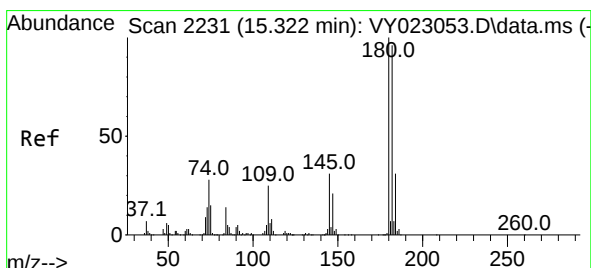
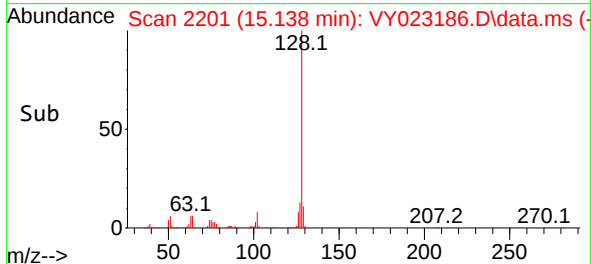
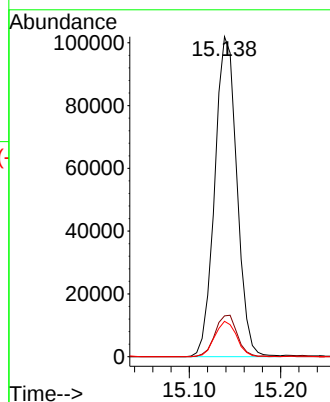
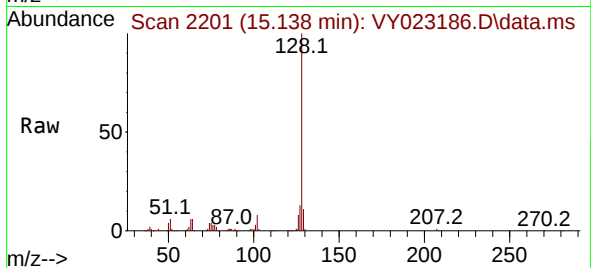
Tgt Ion:128 Resp: 171832

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: 19.380 ug/l

RT: 15.321 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY023186.D

Acq: 22 Aug 2025 12:05

Tgt Ion:180 Resp: 93453

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.7

145 32.1 15.9 47.7

