

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023596.D
 Acq On : 27 Oct 2025 15:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 28 04:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	477939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	697075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	619120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	331971	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	185535	46.423	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.840%
35) Dibromofluoromethane	7.634	113	213948	49.951	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.900%
50) Toluene-d8	10.109	98	797179	49.977	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.408	95	264465	50.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	132002	38.371	ug/l	99
3) Chloromethane	2.074	50	186302	39.754	ug/l	98
4) Vinyl Chloride	2.208	62	252433	41.355	ug/l	99
5) Bromomethane	2.605	94	211901	41.368	ug/l	99
6) Chloroethane	2.739	64	186562	44.838	ug/l	99
7) Trichlorofluoromethane	3.062	101	368416	43.470	ug/l	98
8) Diethyl Ether	3.458	74	97963	44.235	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	207934	47.280	ug/l	99
10) Methyl Iodide	4.007	142	257298	52.552	ug/l	99
11) Tert butyl alcohol	4.860	59	49243	165.621	ug/l	98
12) 1,1-Dichloroethene	3.793	96	195203	45.787	ug/l	95
13) Acrolein	3.653	56	21246	50.571	ug/l	100
14) Allyl chloride	4.385	41	239588	46.112	ug/l	98
15) Acrylonitrile	5.061	53	189491	223.582	ug/l	100
16) Acetone	3.866	43	188278	197.883	ug/l	99
17) Carbon Disulfide	4.110	76	519733	42.594	ug/l	100
18) Methyl Acetate	4.385	43	120541	48.296	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	474417	46.300	ug/l	98
20) Methylene Chloride	4.616	84	225855	43.898	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	228217	48.621	ug/l	99
22) Diisopropyl ether	6.025	45	560866	48.801	ug/l	99
23) Vinyl Acetate	5.964	43	1400102	225.065	ug/l	100
24) 1,1-Dichloroethane	5.915	63	372942	48.987	ug/l	99
25) 2-Butanone	6.896	43	231210	199.047	ug/l	96
26) 2,2-Dichloropropane	6.890	77	338936	48.519	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	270727	49.932	ug/l	97
28) Bromochloromethane	7.250	49	127848	44.984	ug/l	99
29) Tetrahydrofuran	7.262	42	136012	206.485	ug/l	97
30) Chloroform	7.421	83	422764	50.543	ug/l	97
31) Cyclohexane	7.707	56	289171	43.495	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	372113	48.954	ug/l	99
36) 1,1-Dichloropropene	7.835	75	278613	49.134	ug/l	99
37) Ethyl Acetate	6.988	43	100336	44.663	ug/l	99
38) Carbon Tetrachloride	7.823	117	335922	48.856	ug/l	98
39) Methylcyclohexane	9.109	83	352233	47.708	ug/l	98
40) Benzene	8.085	78	902556	50.259	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	55609	45.769	ug/l	94
42) 1,2-Dichloroethane	8.158	62	223240	48.202	ug/l	100
43) Isopropyl Acetate	8.201	43	196384	43.840	ug/l	99
44) Trichloroethene	8.866	130	260993	49.655	ug/l	99
45) 1,2-Dichloropropane	9.140	63	200148	50.460	ug/l	99
46) Dibromomethane	9.231	93	124187	49.514	ug/l	98
47) Bromodichloromethane	9.426	83	318811	50.470	ug/l	99
48) Methyl methacrylate	9.225	41	92052	43.741	ug/l	94
49) 1,4-Dioxane	9.231	88	25405	873.626	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	523283	226.095	ug/l	100
52) Toluene	10.170	92	597956	51.283	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	265174	48.279	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	321438	49.585	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	164197	48.683	ug/l	94
56) Ethyl methacrylate	10.438	69	189454	48.696	ug/l	97
57) 1,3-Dichloropropane	10.719	76	262590	49.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	455833	261.540	ug/l	100
59) 2-Hexanone	10.762	43	355315	214.822	ug/l	100
60) Dibromochloromethane	10.914	129	235313	49.762	ug/l	100
61) 1,2-Dibromoethane	11.018	107	153590	47.749	ug/l	100
64) Tetrachloroethene	10.646	164	323398	50.589	ug/l	97
65) Chlorobenzene	11.444	112	670721	49.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	241097	50.244	ug/l	99
67) Ethyl Benzene	11.518	91	1113942	51.106	ug/l	99
68) m/p-Xylenes	11.627	106	897628	102.673	ug/l	99
69) o-Xylene	11.957	106	419645	51.175	ug/l	100
70) Styrene	11.969	104	694816	51.525	ug/l	99
71) Bromoform	12.133	173	139728	46.944	ug/l	99
73) Isopropylbenzene	12.255	105	1110852	50.776	ug/l	99
74) N-amyl acetate	12.072	43	166309	42.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	160011	44.719	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	216230	73.827	ug/l #	100
77) Bromobenzene	12.530	156	277604	47.730	ug/l	99
78) n-propylbenzene	12.597	91	1280756	50.590	ug/l	100
79) 2-Chlorotoluene	12.676	91	733038	49.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	904143	51.144	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	50529	42.305	ug/l	99
82) 4-Chlorotoluene	12.773	91	757278	49.598	ug/l	100
83) tert-Butylbenzene	12.999	119	827111	50.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	899395	50.977	ug/l	98
85) sec-Butylbenzene	13.176	105	1193749	50.983	ug/l	100
86) p-Isopropyltoluene	13.292	119	1020500	51.189	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	543843	48.018	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	527394	47.149	ug/l	99
89) n-Butylbenzene	13.615	91	875982	50.429	ug/l	99
90) Hexachloroethane	13.877	117	210738	49.148	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	476150	47.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24483	41.701	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	286080	46.214	ug/l	100
94) Hexachlorobutadiene	15.023	225	184183	47.731	ug/l	98
95) Naphthalene	15.145	128	425692	43.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	243238	45.364	ug/l	99

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QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

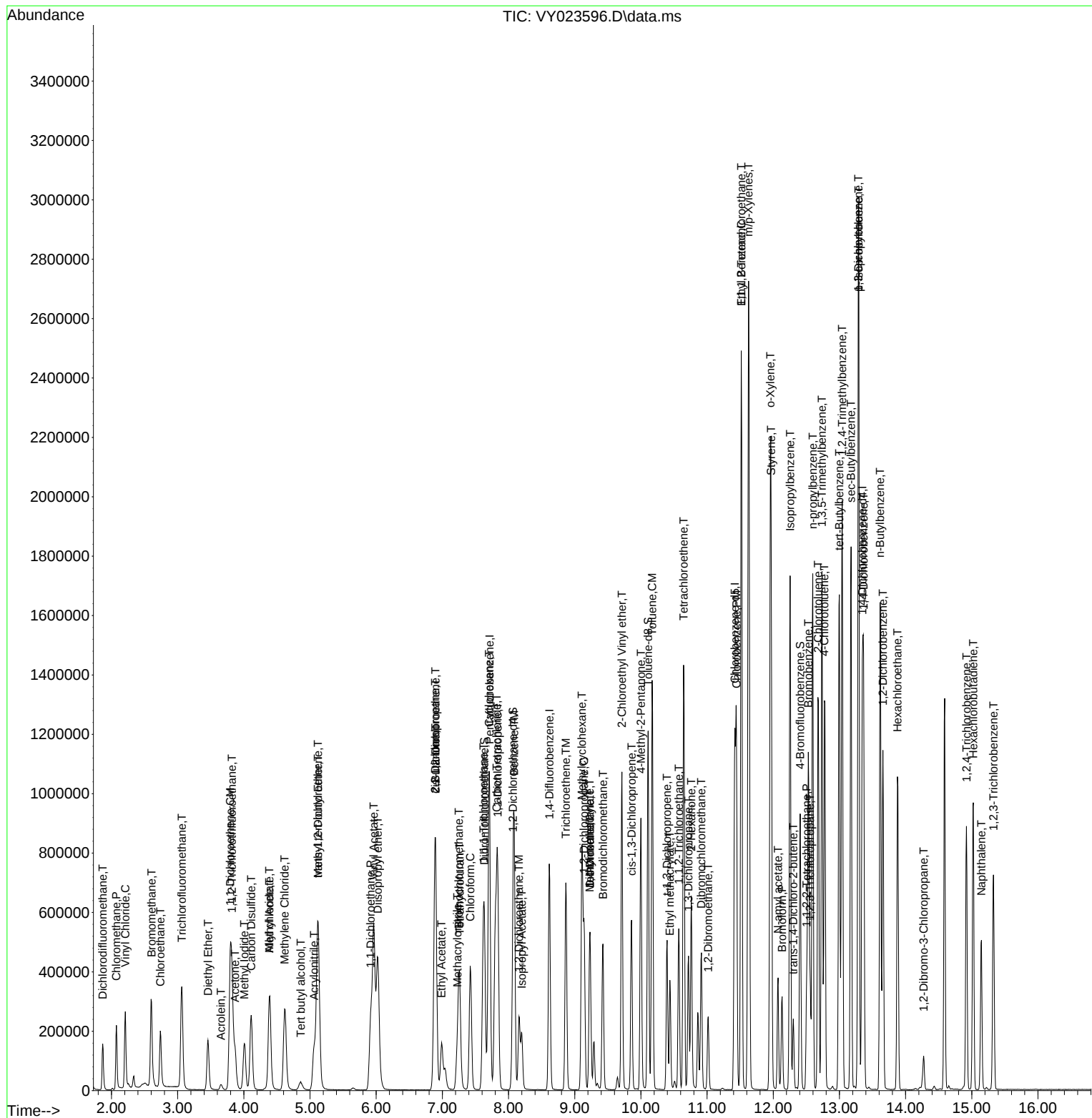
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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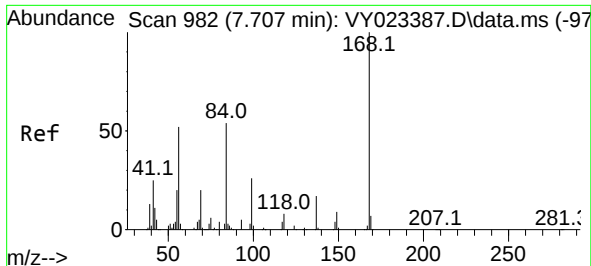
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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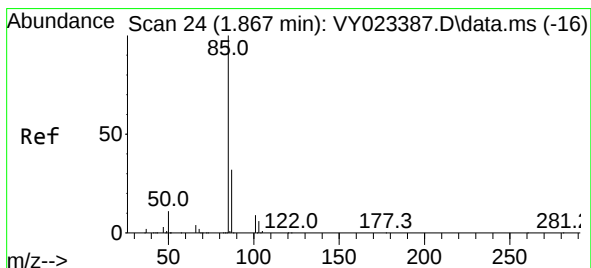
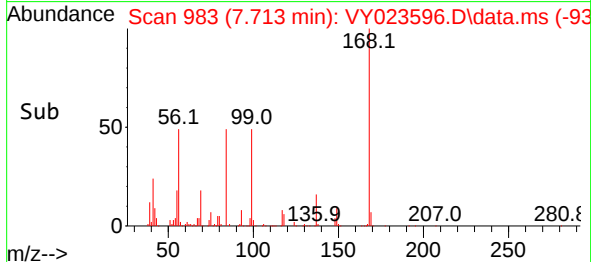
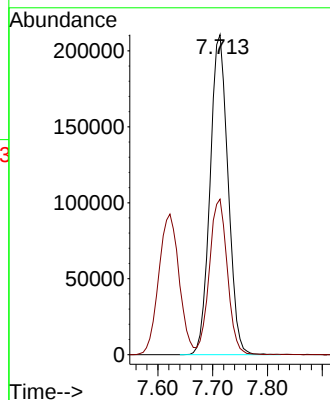
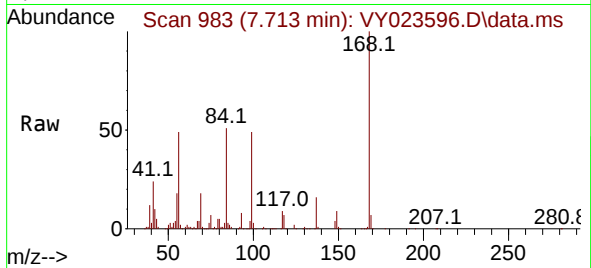




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023596.D
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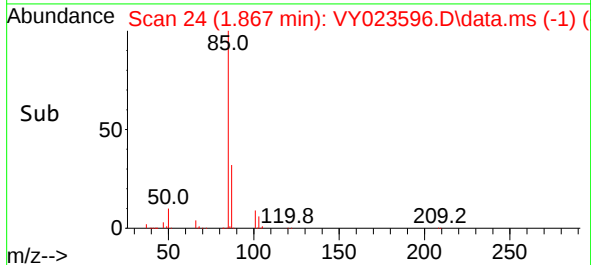
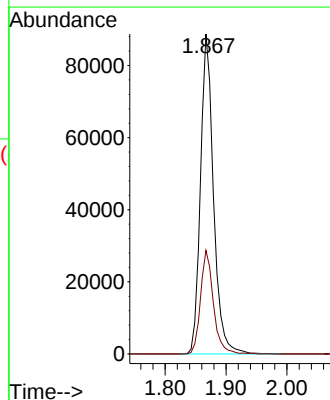
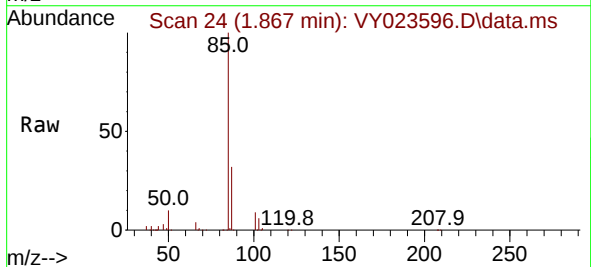
Instrument :
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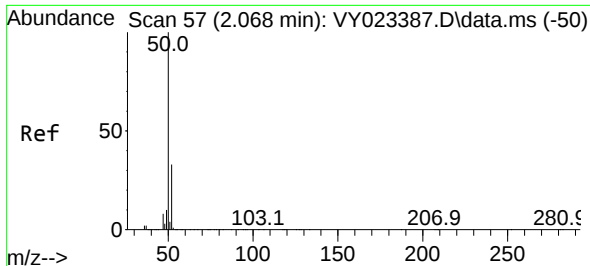
Tgt Ion:168 Resp: 477939
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#2
Dichlorodifluoromethane
Concen: 38.371 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 85 Resp: 132002
Ion Ratio Lower Upper
85 100
87 32.4 16.0 47.9

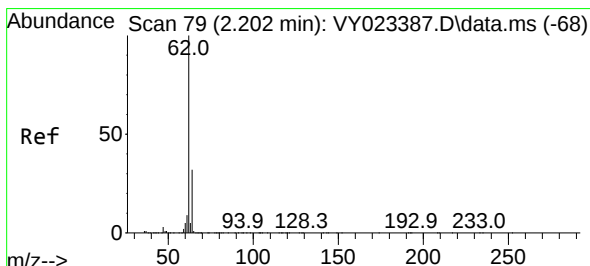
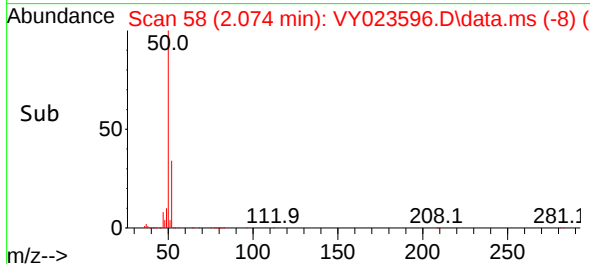
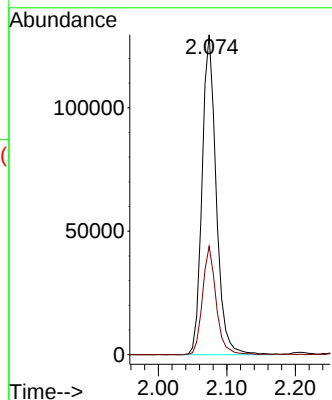
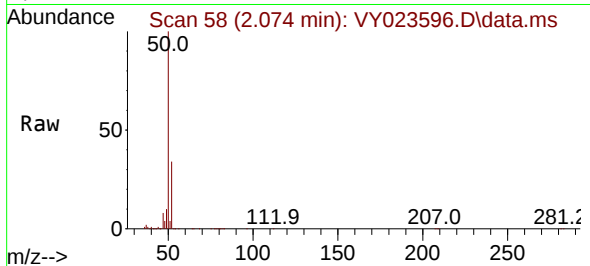




#3
Chloromethane
Concen: 39.754 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

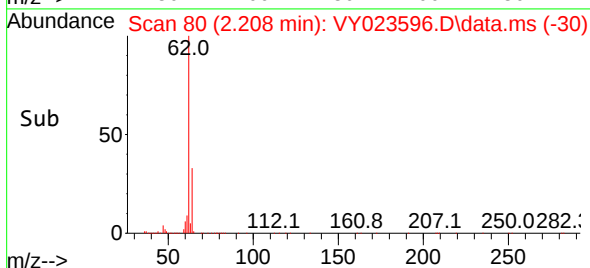
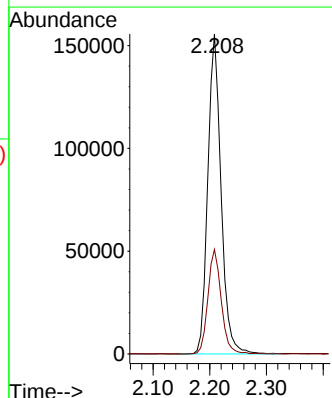
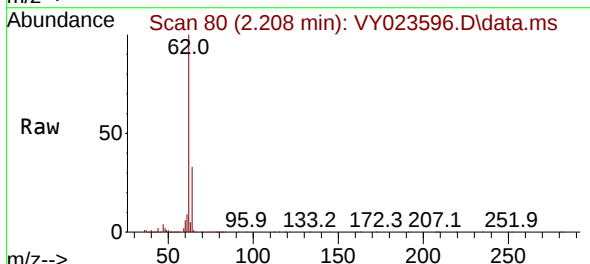
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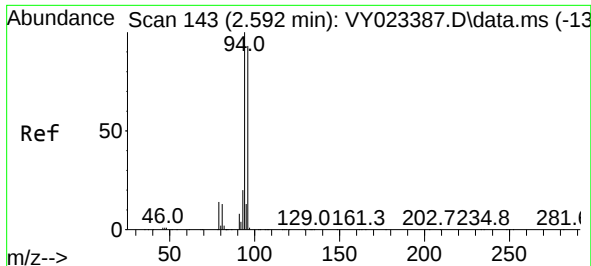
Tgt Ion: 50 Resp: 186302
Ion Ratio Lower Upper
50 100
52 33.9 26.2 39.2



#4
Vinyl Chloride
Concen: 41.355 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 62 Resp: 252433
Ion Ratio Lower Upper
62 100
64 32.7 25.8 38.8

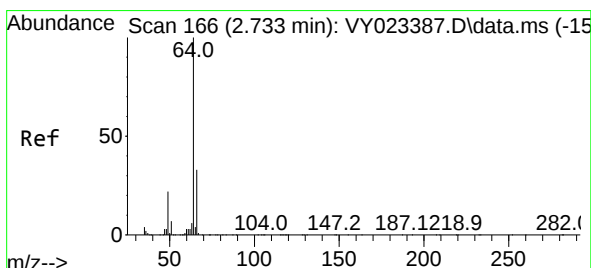
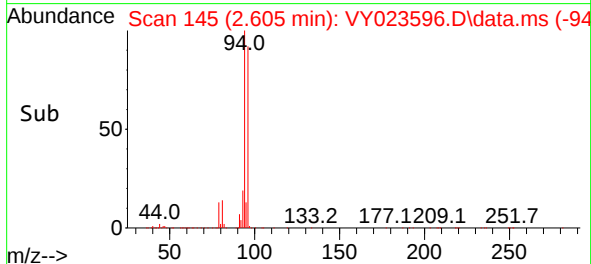
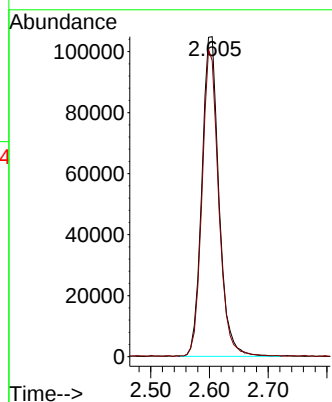
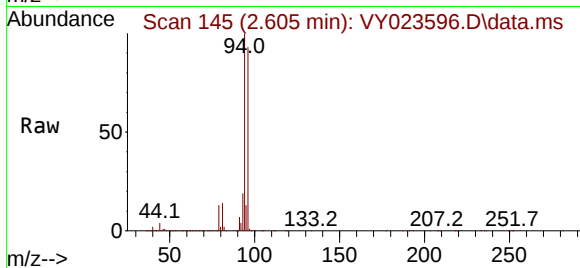




#5
Bromomethane
Concen: 41.368 ug/l
RT: 2.605 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY023596.D
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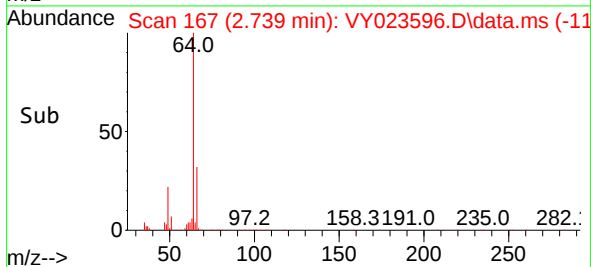
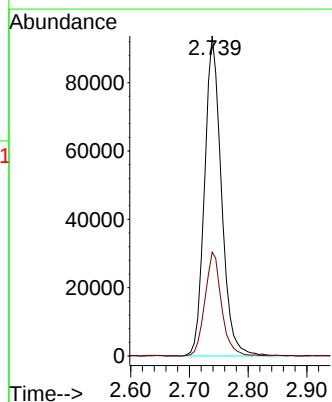
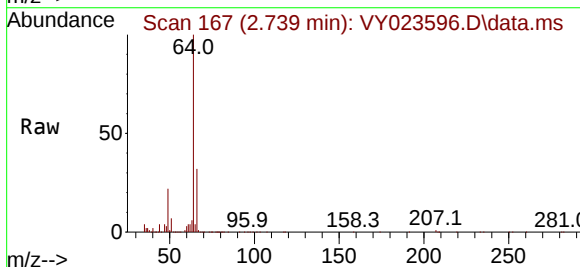
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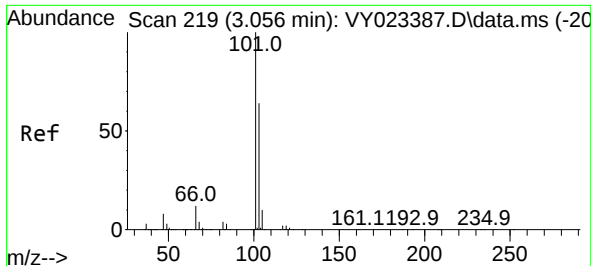
Tgt Ion: 94 Resp: 211901
Ion Ratio Lower Upper
94 100
96 92.4 74.5 111.7



#6
Chloroethane
Concen: 44.838 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023596.D
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Tgt Ion: 64 Resp: 186562
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.4

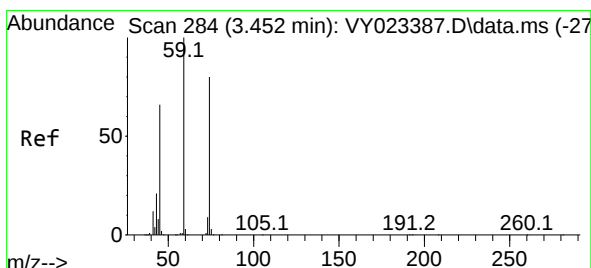
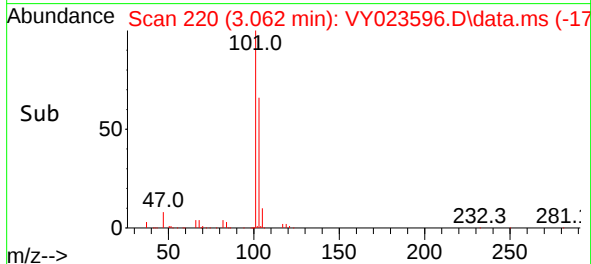
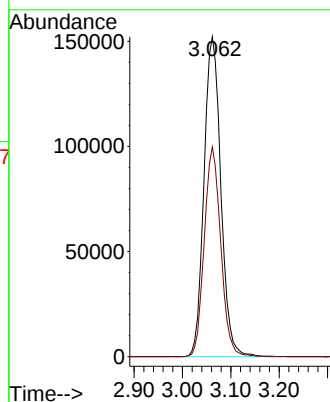
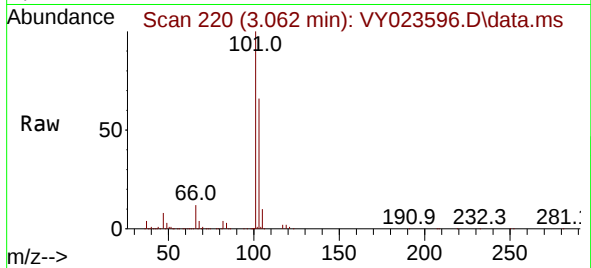




#7
Trichlorofluoromethane
Concen: 43.470 ug/l
RT: 3.062 min Scan# 219
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

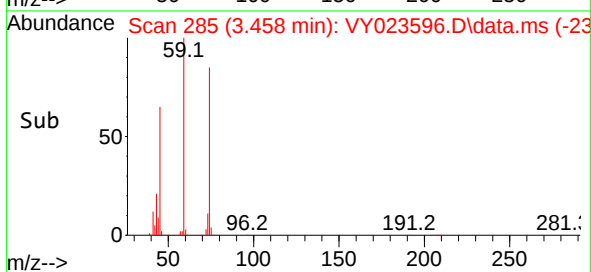
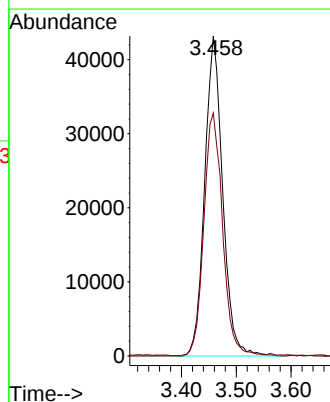
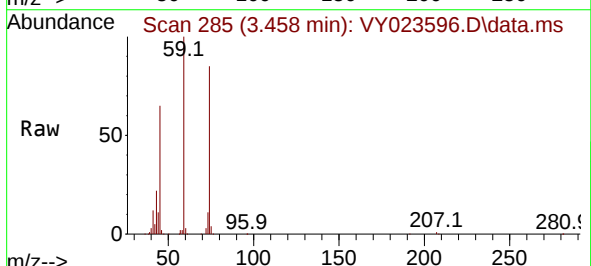
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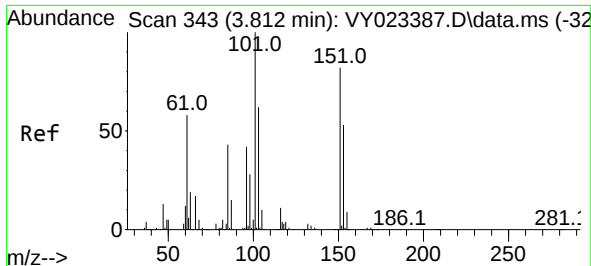
Tgt Ion:101 Resp: 368416
Ion Ratio Lower Upper
101 100
103 65.6 51.3 76.9



#8
Diethyl Ether
Concen: 44.235 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 74 Resp: 97963
Ion Ratio Lower Upper
74 100
45 79.6 39.9 119.7

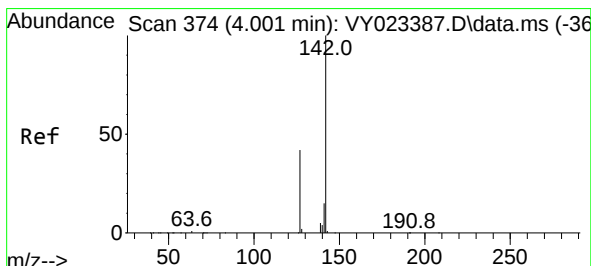
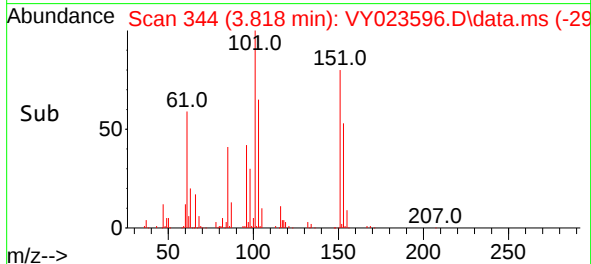
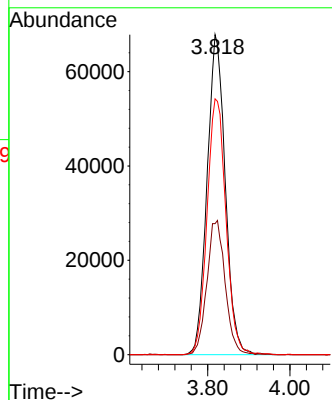
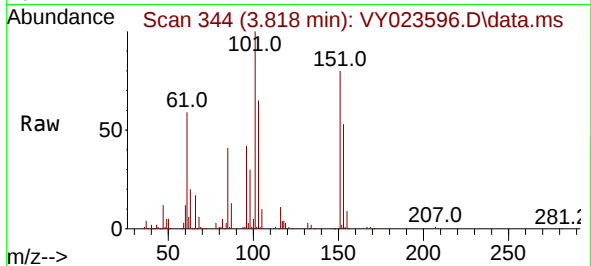




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.280 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

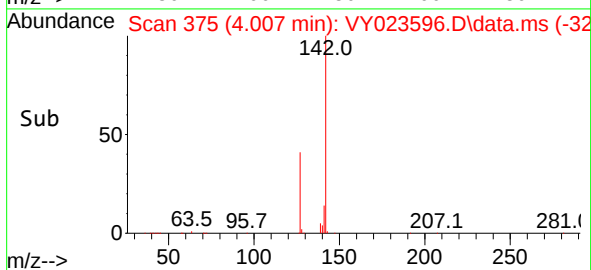
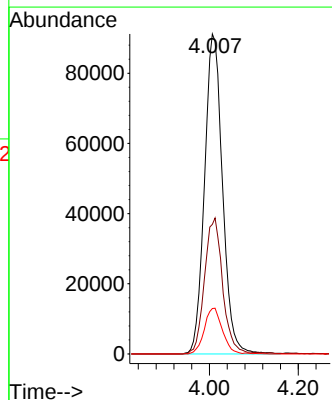
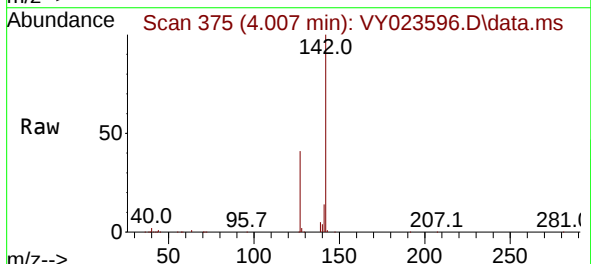
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

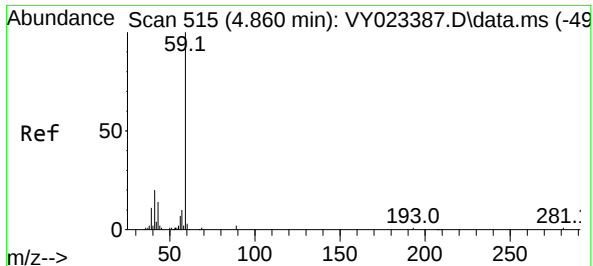
Tgt Ion:101 Resp: 207934
Ion Ratio Lower Upper
101 100
85 42.4 34.6 51.8
151 83.2 67.0 100.6



#10
Methyl Iodide
Concen: 52.552 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion:142 Resp: 257298
Ion Ratio Lower Upper
142 100
127 43.0 34.8 52.2
141 14.4 11.6 17.4

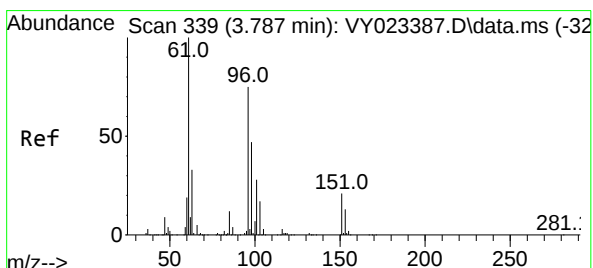
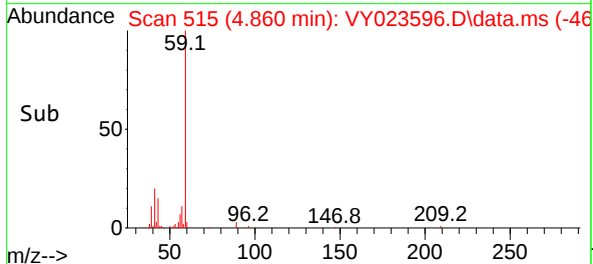
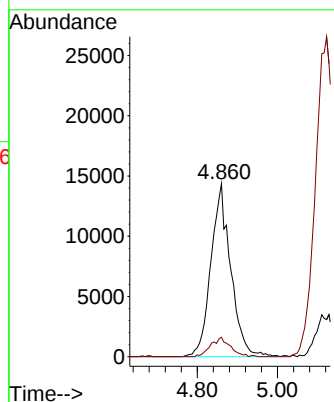
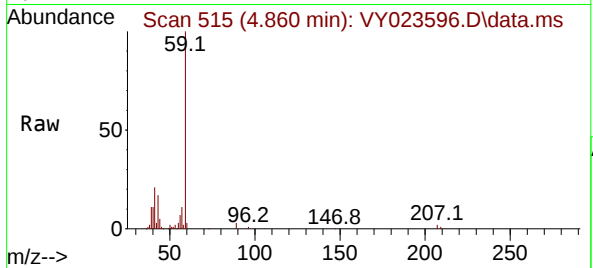




#11
Tert butyl alcohol
Concen: 165.621 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

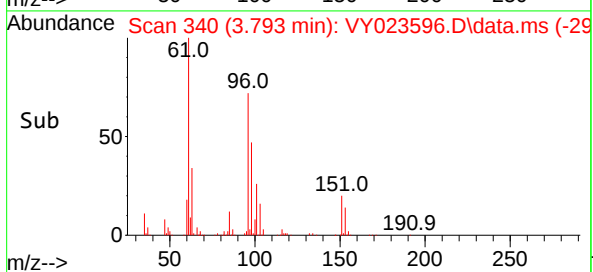
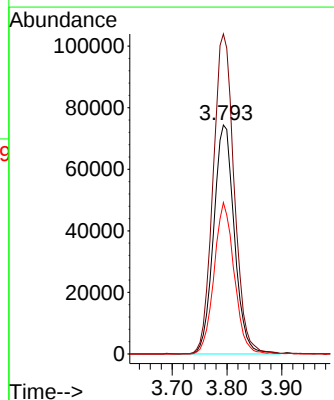
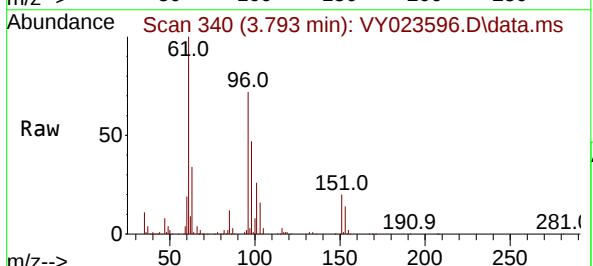
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

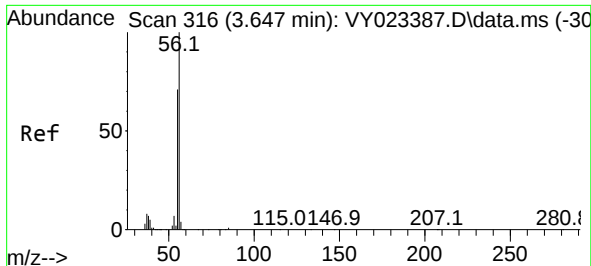
Tgt Ion: 59 Resp: 49243
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5



#12
1,1-Dichloroethene
Concen: 45.787 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 96 Resp: 195203
Ion Ratio Lower Upper
96 100
61 139.8 106.7 160.1
98 66.1 50.2 75.4

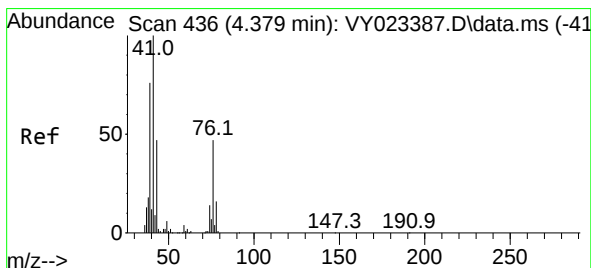
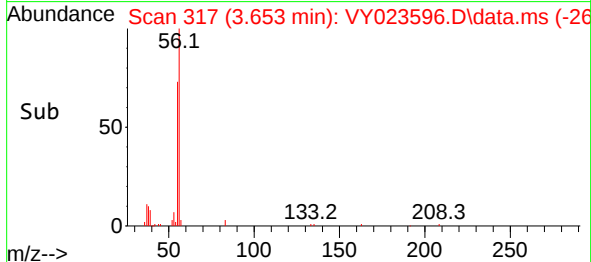
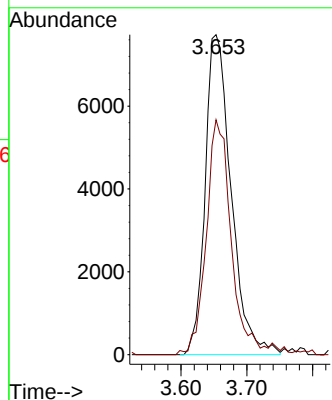
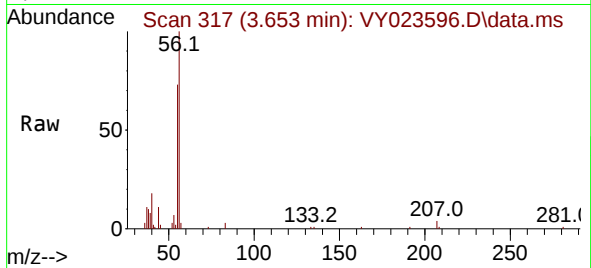




#13
Acrolein
Concen: 50.571 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

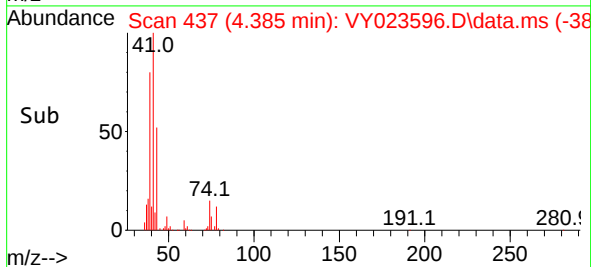
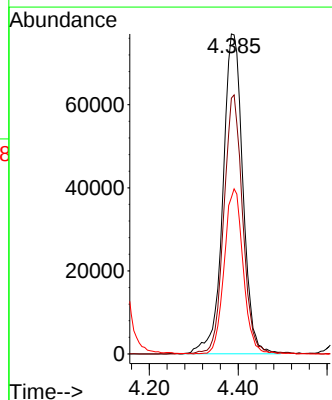
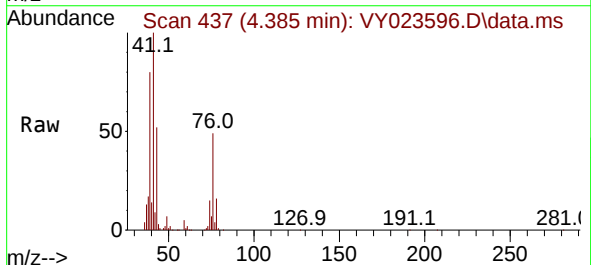
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

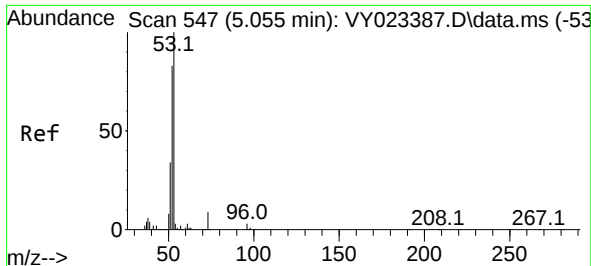
Tgt Ion: 56 Resp: 21246
Ion Ratio Lower Upper
56 100
55 69.7 56.1 84.1



#14
Allyl chloride
Concen: 46.112 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 41 Resp: 239588
Ion Ratio Lower Upper
41 100
39 76.6 59.9 89.9
76 49.0 38.0 57.0

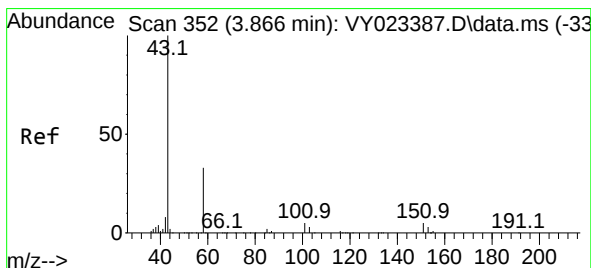
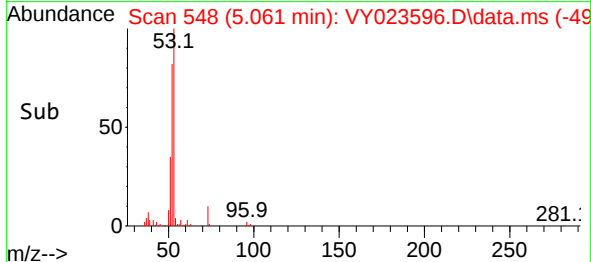
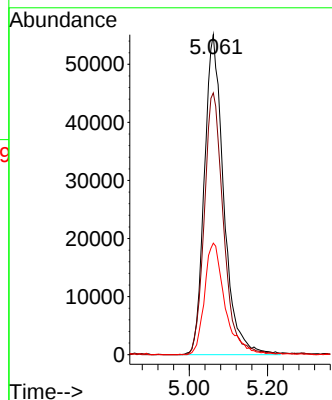
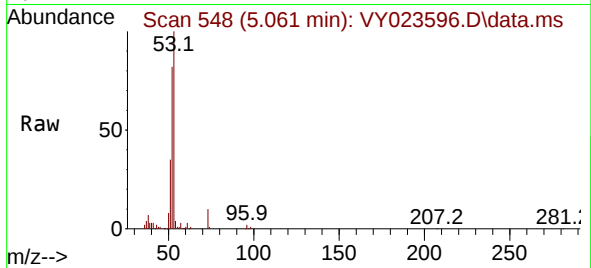




#15
Acrylonitrile
Concen: 223.582 ug/l
RT: 5.061 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

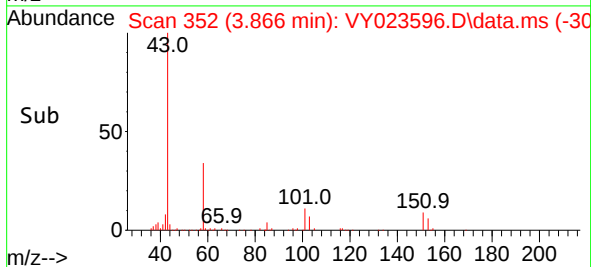
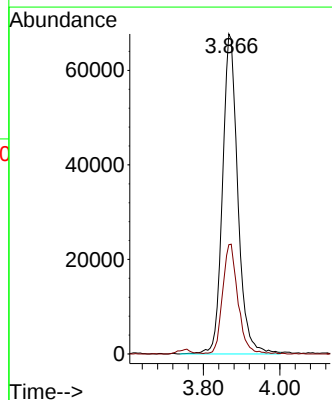
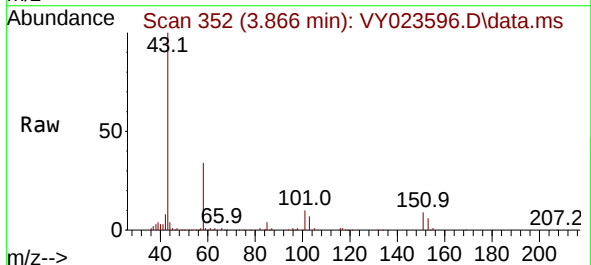
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

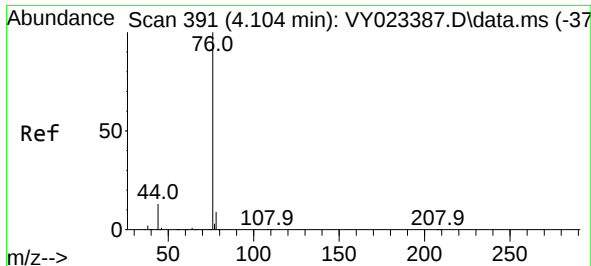
Tgt Ion: 53 Resp: 189491
Ion Ratio Lower Upper
53 100
52 81.0 64.6 97.0
51 36.9 29.5 44.3



#16
Acetone
Concen: 197.883 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 43 Resp: 188278
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5

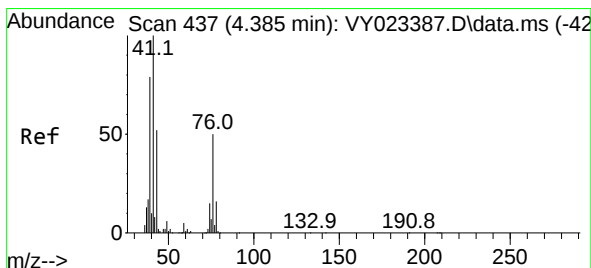
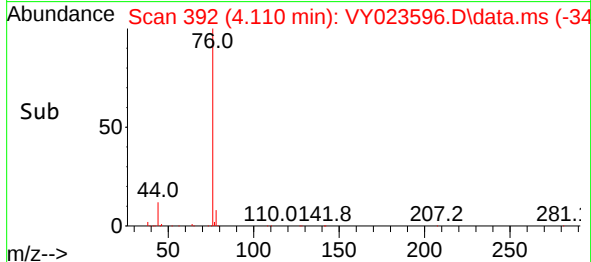
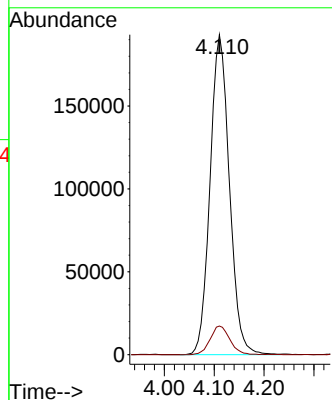
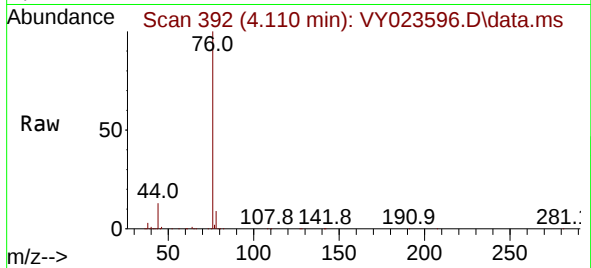




#17
Carbon Disulfide
Concen: 42.594 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

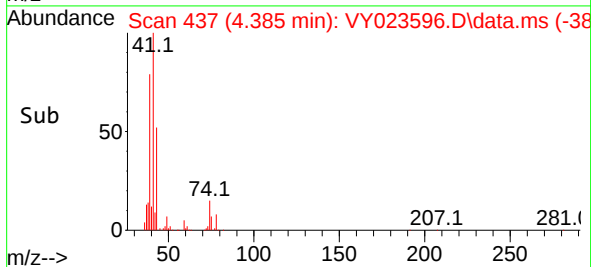
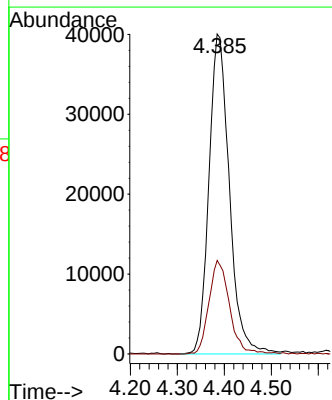
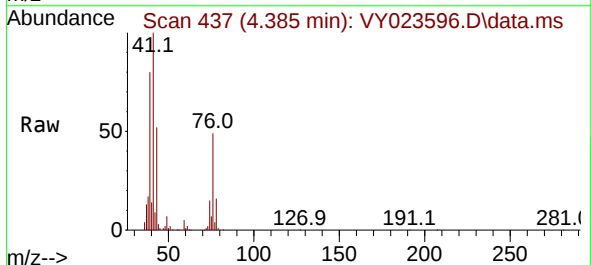
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

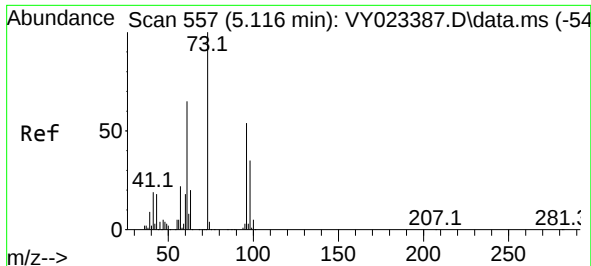
Tgt Ion: 76 Resp: 519733
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 48.296 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 43 Resp: 120541
Ion Ratio Lower Upper
43 100
74 29.4 24.2 36.4

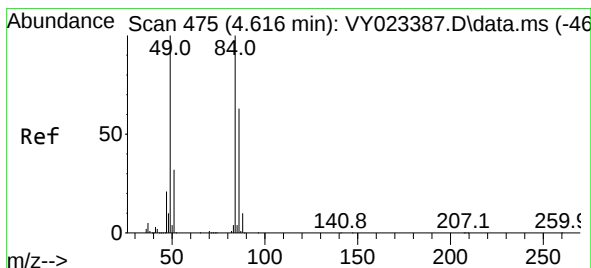
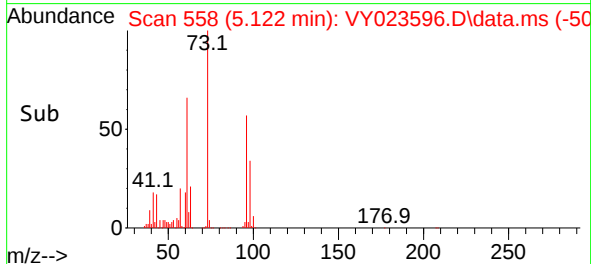
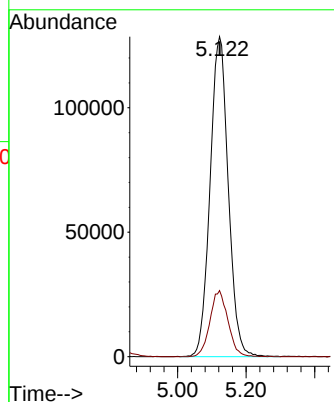
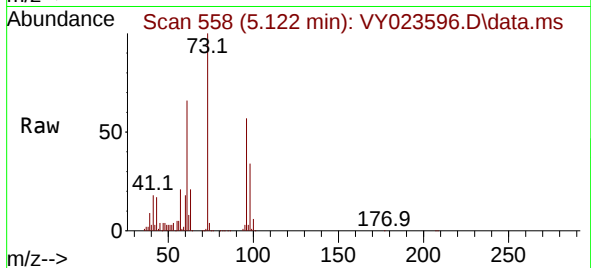




#19
Methyl tert-butyl Ether
Concen: 46.300 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

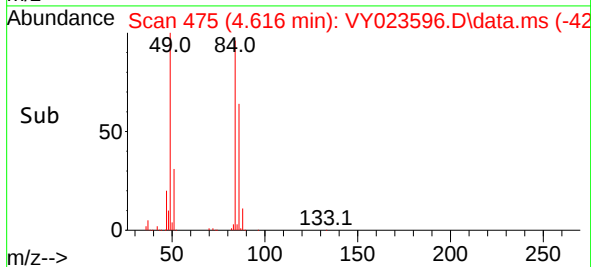
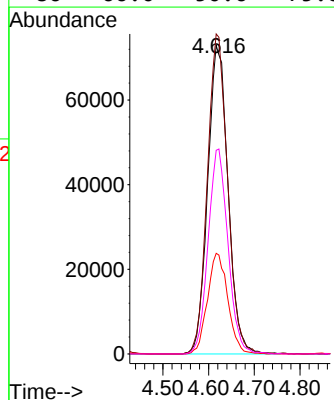
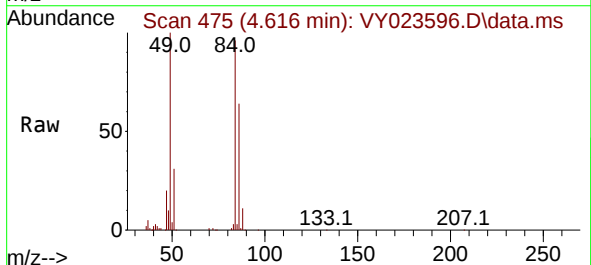
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

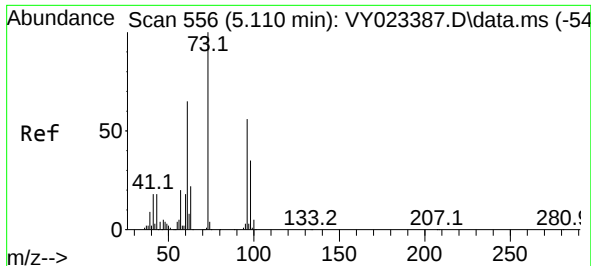
Tgt Ion: 73 Resp: 474417
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.0



#20
Methylene Chloride
Concen: 43.898 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 84 Resp: 225855
Ion Ratio Lower Upper
84 100
49 103.7 80.2 120.4
51 32.6 25.9 38.9
86 66.0 50.6 75.8

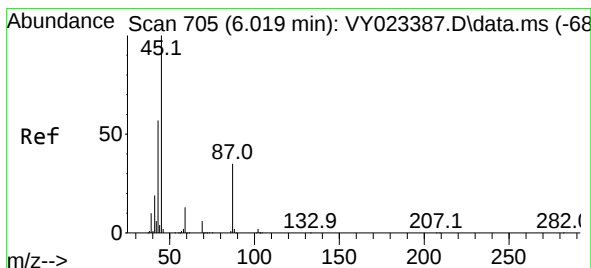
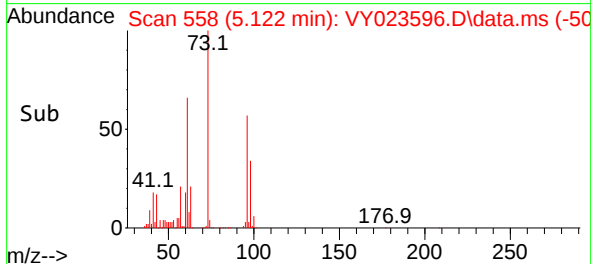
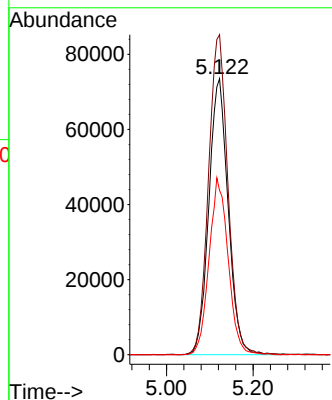
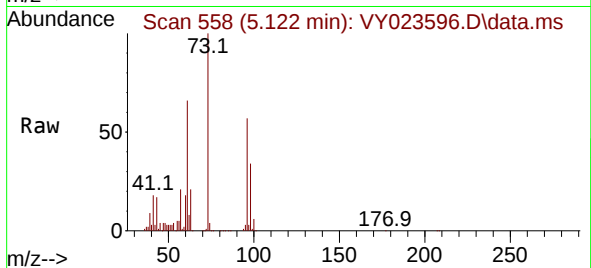




#21
trans-1,2-Dichloroethene
Concen: 48.621 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

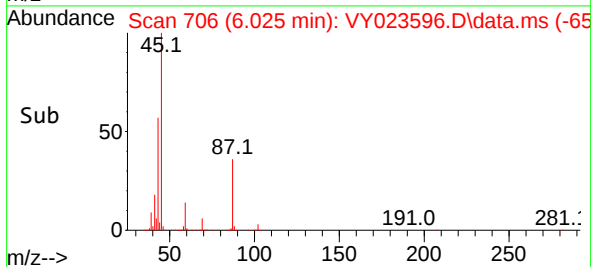
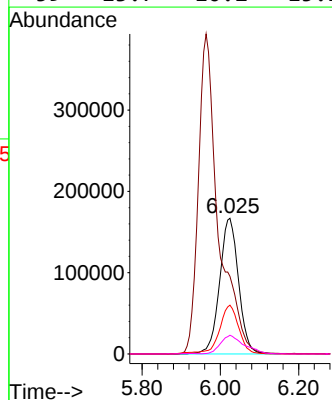
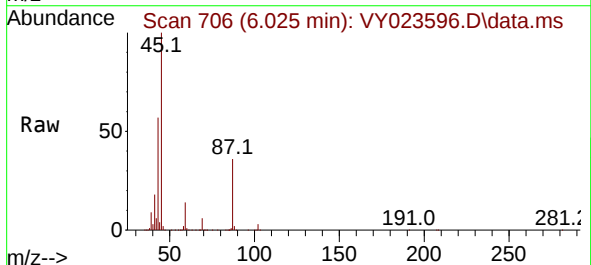
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

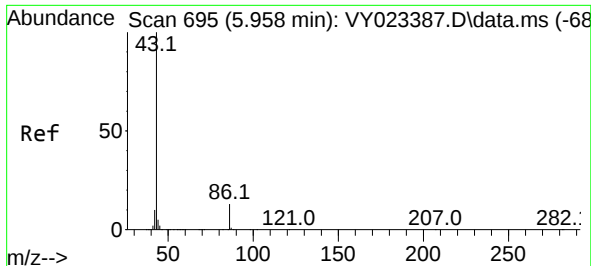
Tgt Ion: 96 Resp: 228217
Ion Ratio Lower Upper
96 100
61 115.9 92.7 139.1
98 59.5 49.7 74.5



#22
Diisopropyl ether
Concen: 48.801 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 45 Resp: 560866
Ion Ratio Lower Upper
45 100
43 57.0 45.6 68.4
87 35.9 28.1 42.1
59 13.7 10.2 15.2

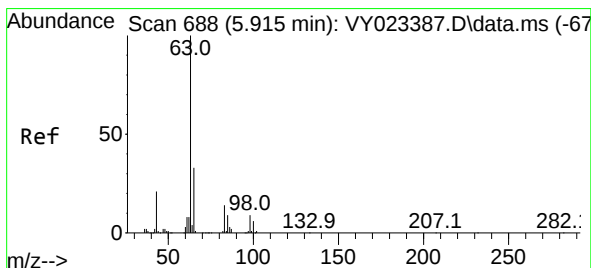
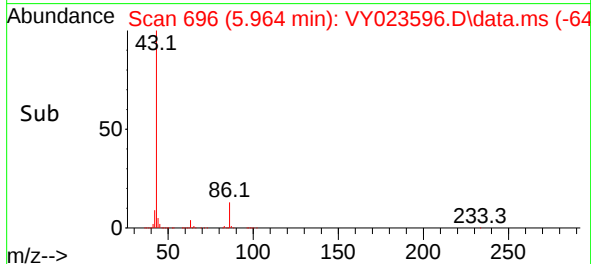
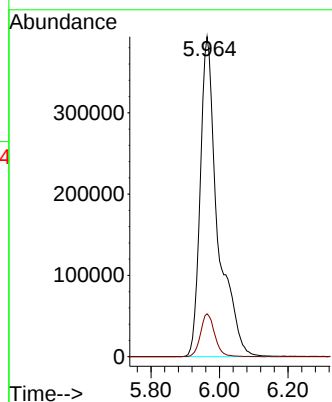
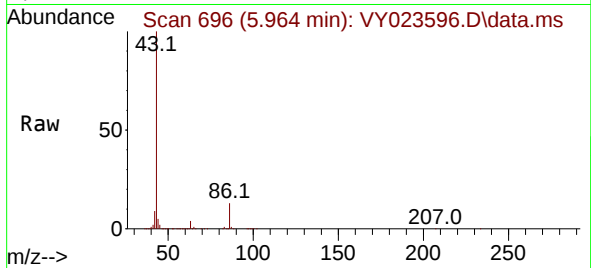




#23
 Vinyl Acetate
 Concen: 225.065 ug/l
 RT: 5.964 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

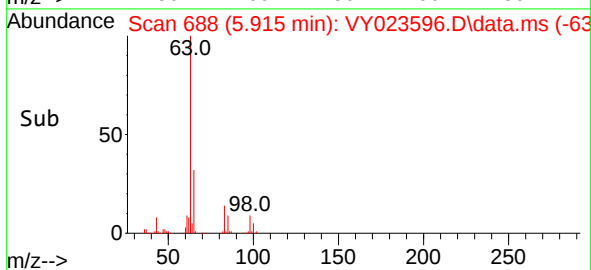
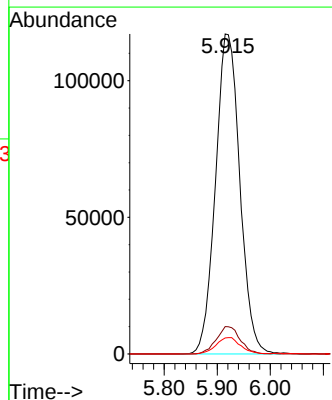
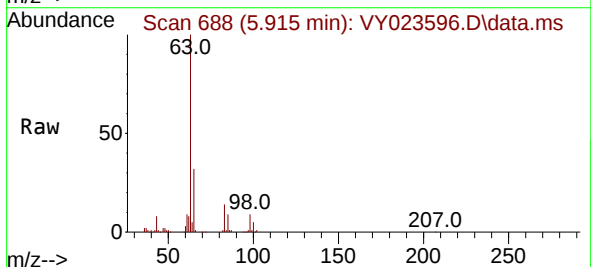
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

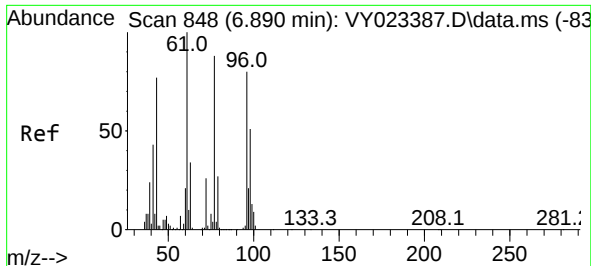
Tgt Ion: 43 Resp: 1400102
 Ion Ratio Lower Upper
 43 100
 86 13.4 10.6 15.8



#24
 1,1-Dichloroethane
 Concen: 48.987 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

Tgt Ion: 63 Resp: 372942
 Ion Ratio Lower Upper
 63 100
 98 8.6 4.3 13.1
 100 5.0 2.8 8.4





#25

2-Butanone

Concen: 199.047 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

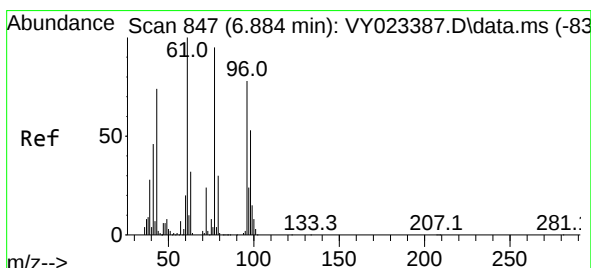
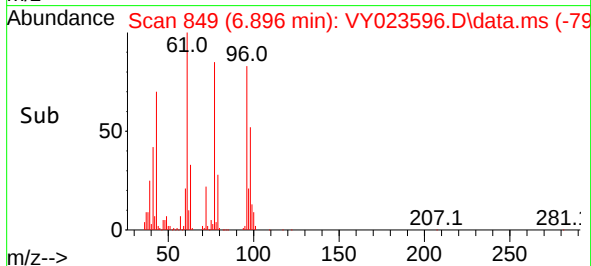
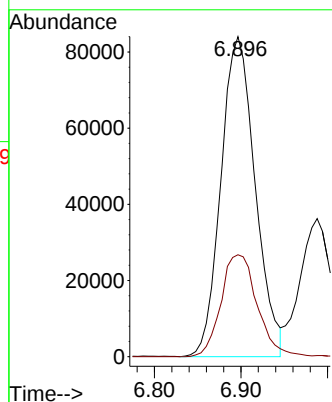
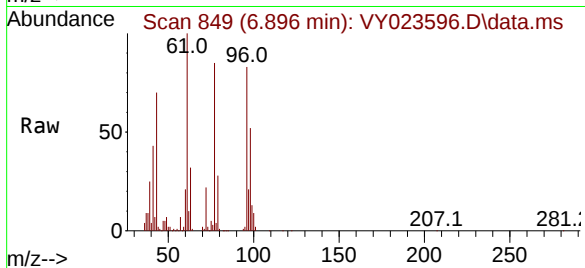
VSTDCCC050EC

Tgt Ion: 43 Resp: 231210

Ion Ratio Lower Upper

43 100

72 31.8 27.4 41.2



#26

2,2-Dichloropropane

Concen: 48.519 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023596.D

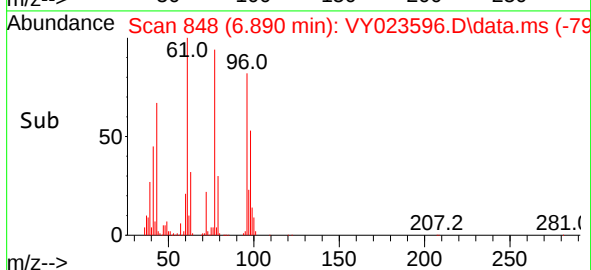
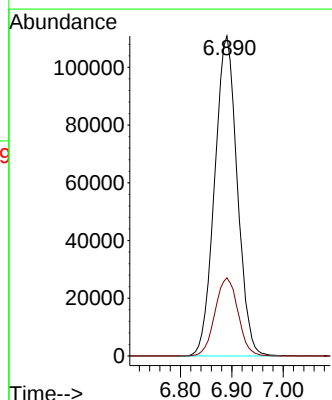
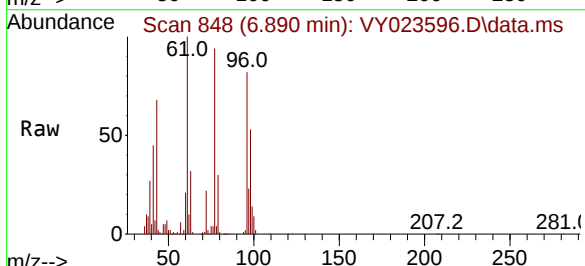
Acq: 27 Oct 2025 15:47

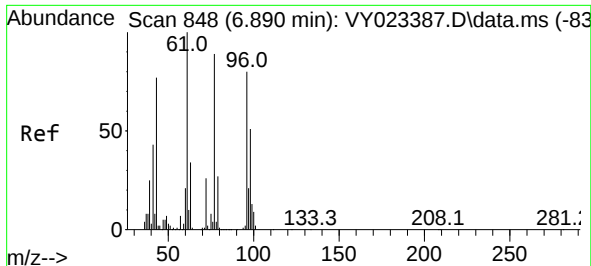
Tgt Ion: 77 Resp: 338936

Ion Ratio Lower Upper

77 100

97 24.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 49.932 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

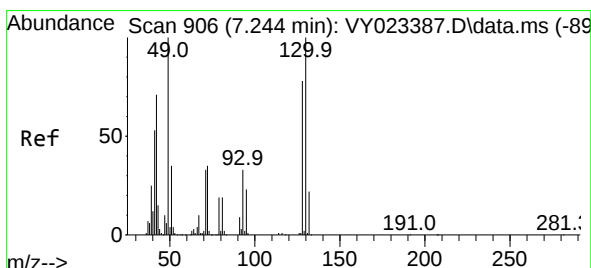
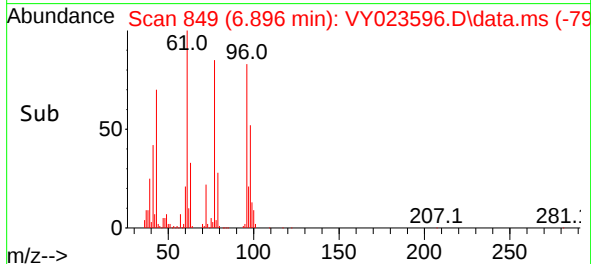
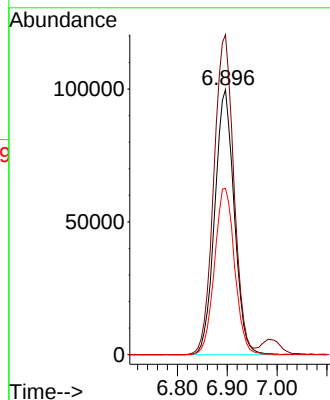
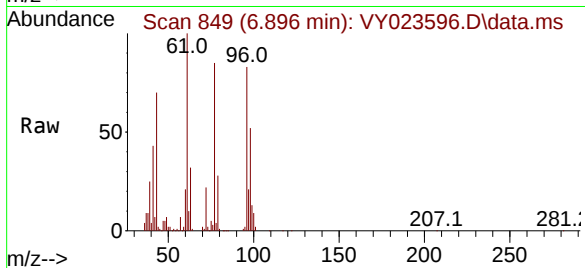
Tgt Ion: 96 Resp: 270727

Ion Ratio Lower Upper

96 100

61 124.0 0.0 258.2

98 64.8 0.0 132.0



#28

Bromochloromethane

Concen: 44.984 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

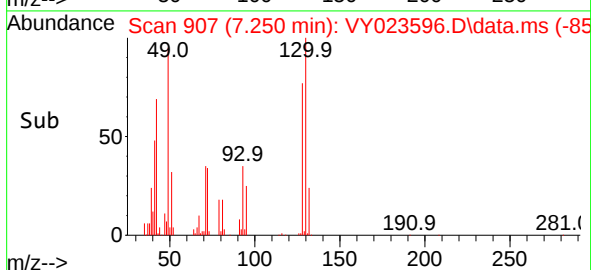
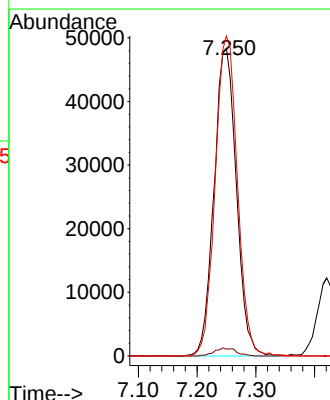
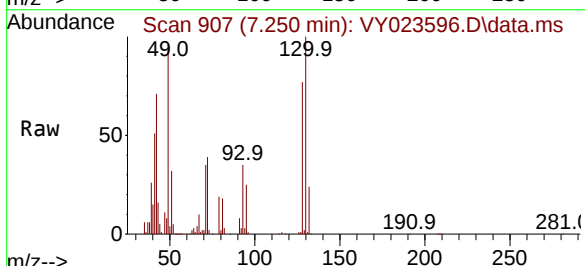
Tgt Ion: 49 Resp: 127848

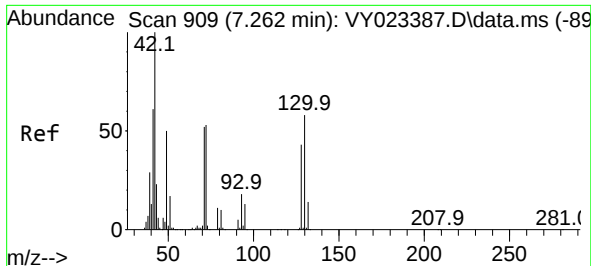
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.6

130 103.1 81.9 122.9





#29

Tetrahydrofuran

Concen: 206.485 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

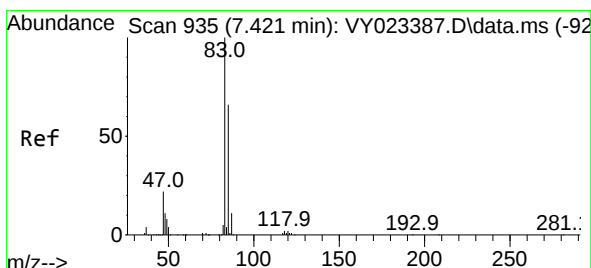
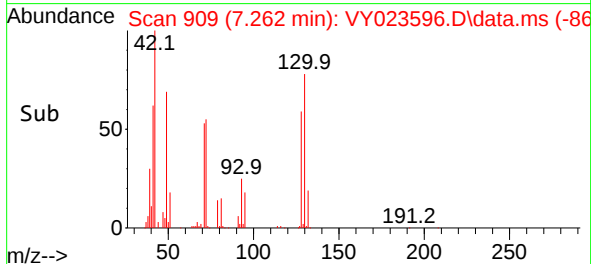
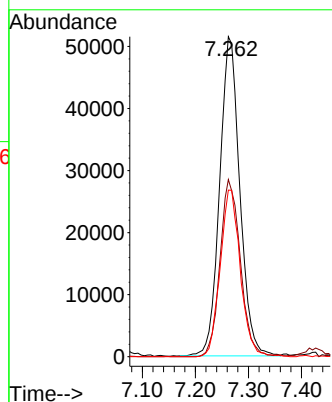
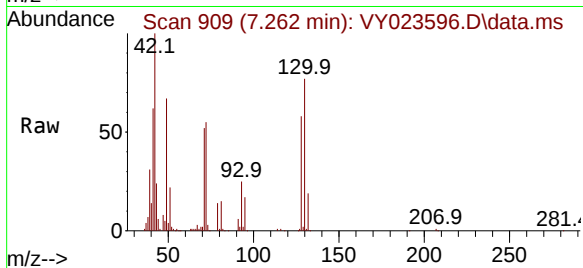
Tgt Ion: 42 Resp: 136012

Ion Ratio Lower Upper

42 100

72 55.9 43.0 64.6

71 52.3 40.1 60.1



#30

Chloroform

Concen: 50.543 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023596.D

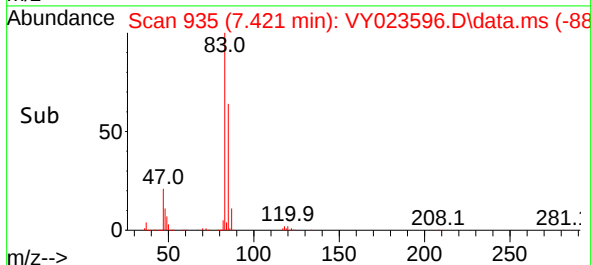
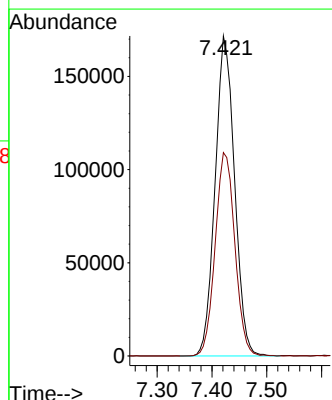
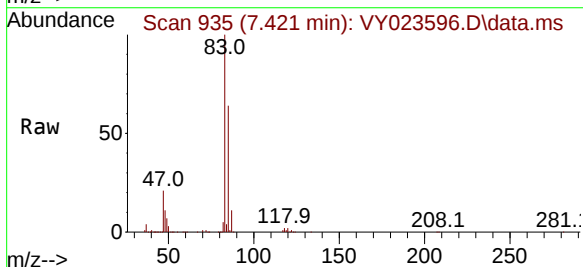
Acq: 27 Oct 2025 15:47

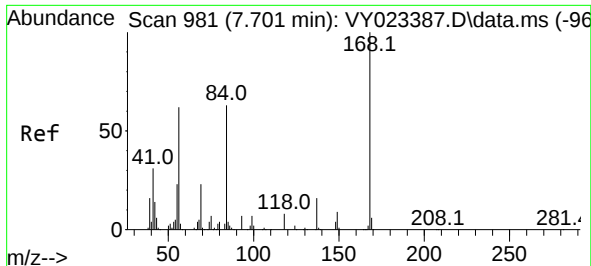
Tgt Ion: 83 Resp: 422764

Ion Ratio Lower Upper

83 100

85 63.6 52.5 78.7

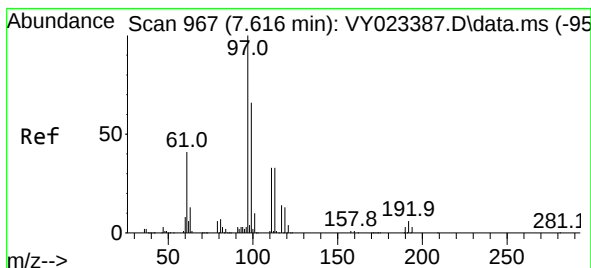
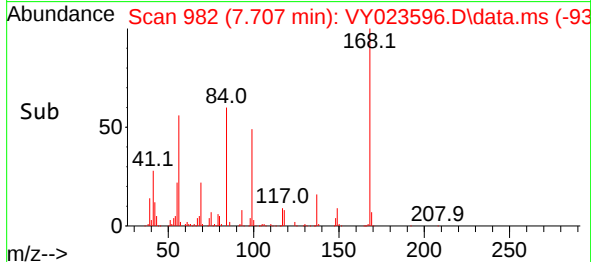
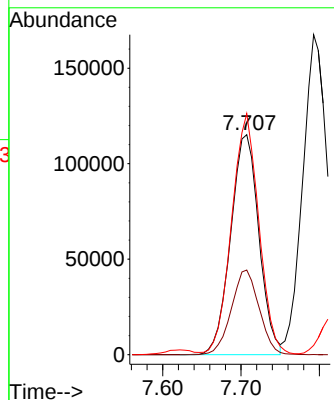
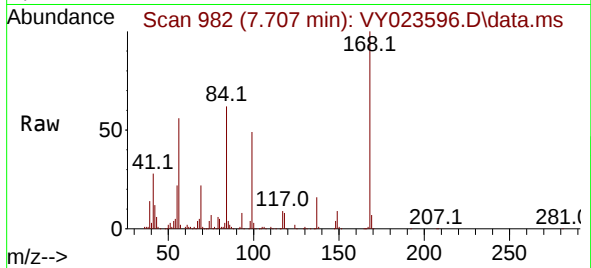




#31
Cyclohexane
Concen: 43.495 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

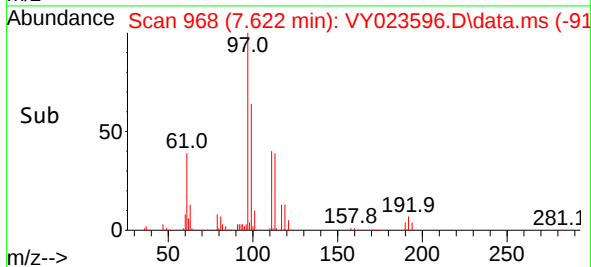
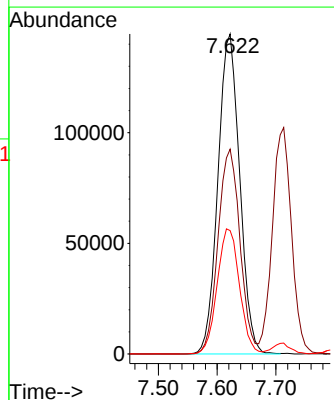
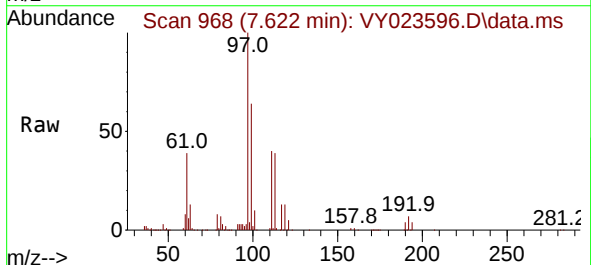
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

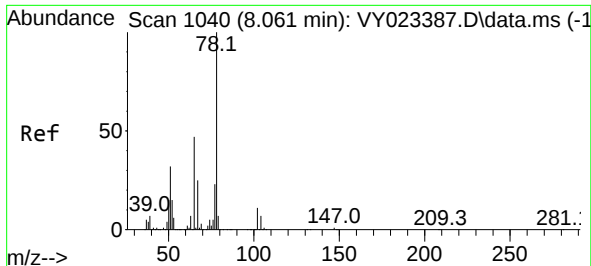
Tgt Ion: 56 Resp: 289171
Ion Ratio Lower Upper
56 100
69 38.5 30.0 45.0
84 107.4 81.2 121.8



#32
1,1,1-Trichloroethane
Concen: 48.954 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 97 Resp: 372113
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 40.1 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 46.423 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

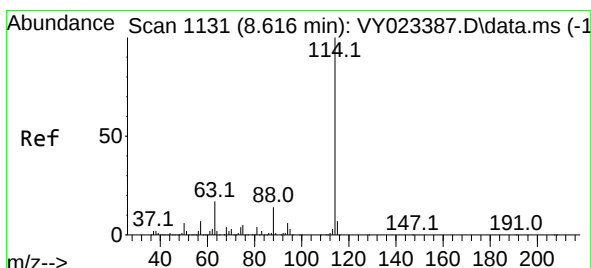
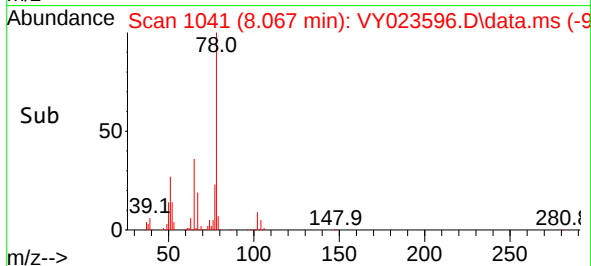
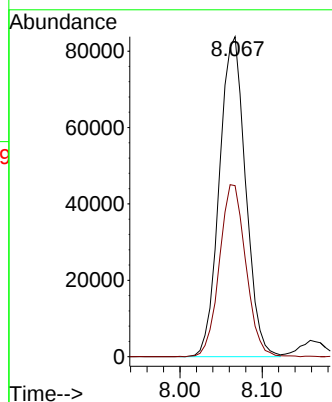
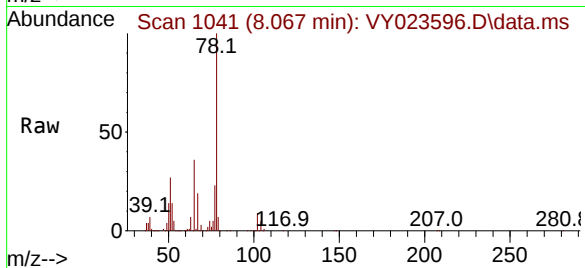
VSTDCCC050EC

Tgt Ion: 65 Resp: 185535

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

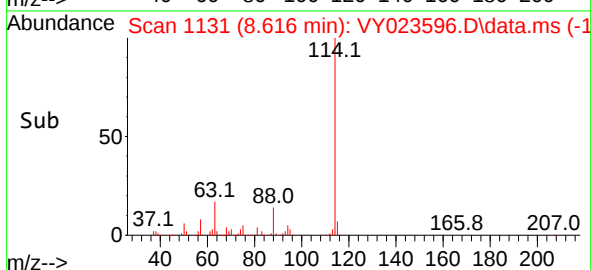
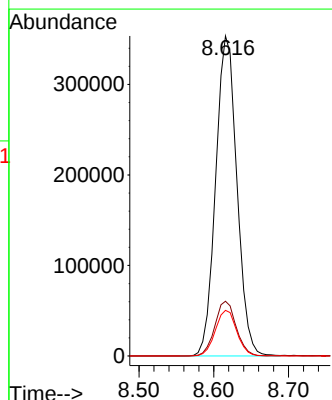
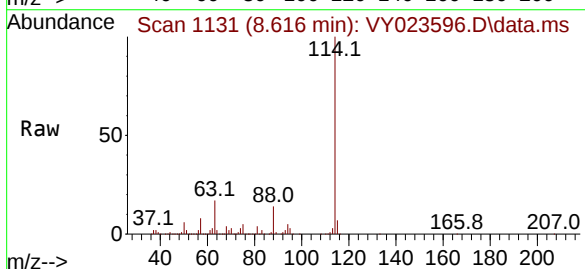
Tgt Ion: 114 Resp: 697075

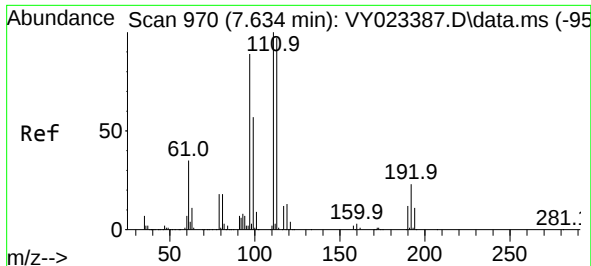
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.3 0.0 28.4

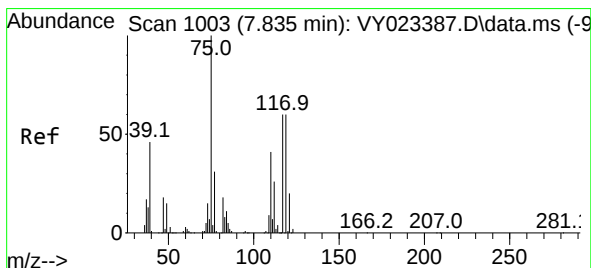
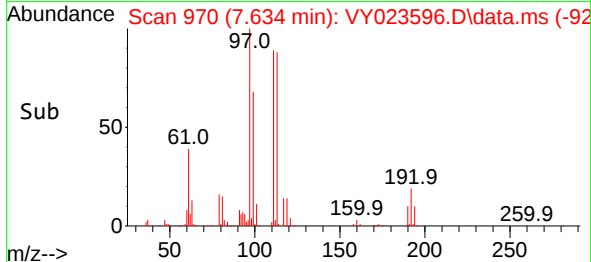
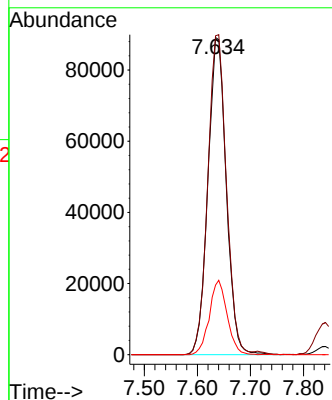
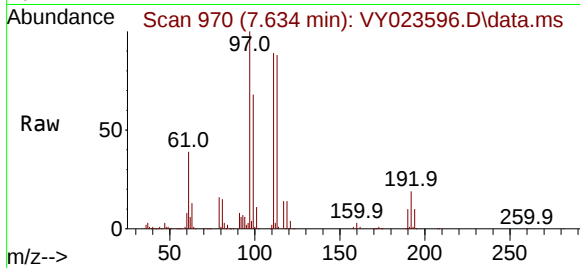




#35
Dibromofluoromethane
Concen: 49.951 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

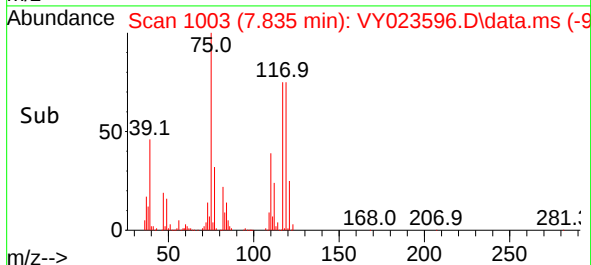
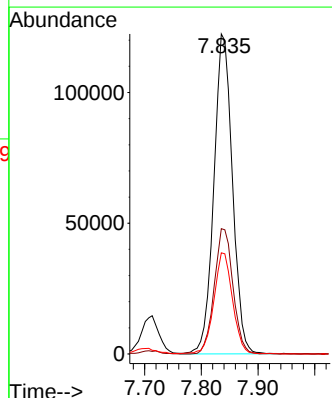
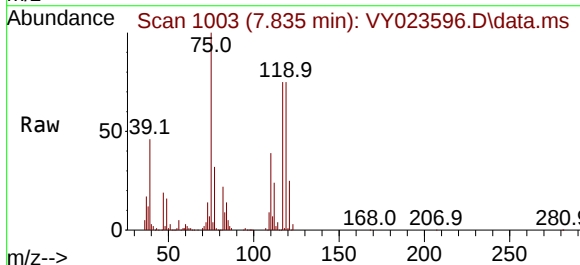
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

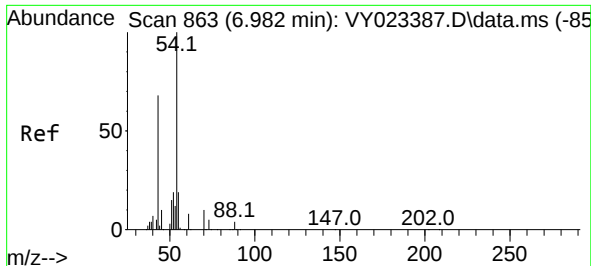
Tgt Ion:113 Resp: 213948
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 22.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 49.134 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 75 Resp: 278613
Ion Ratio Lower Upper
75 100
110 39.4 19.9 59.7
77 31.9 25.0 37.6

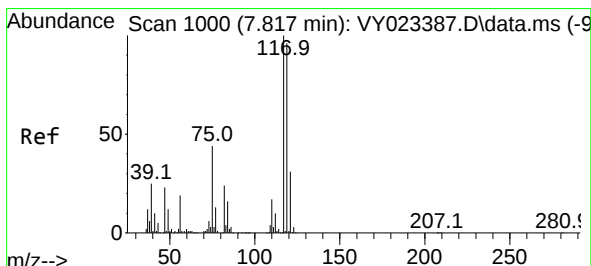
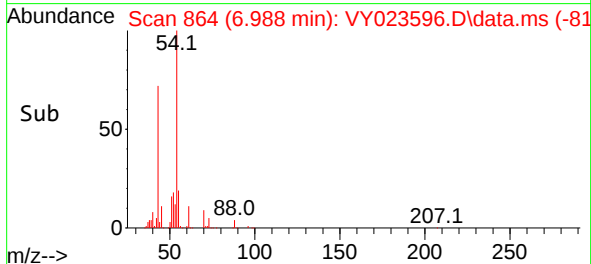
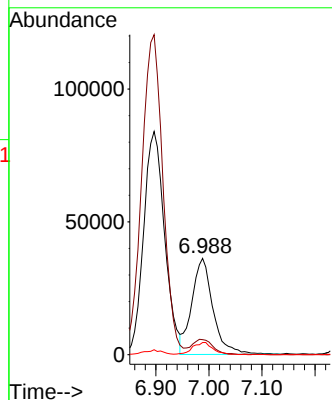
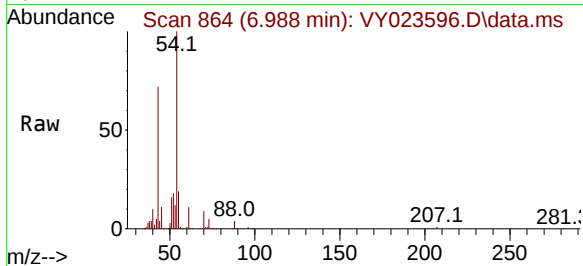




#37
Ethyl Acetate
Concen: 44.663 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

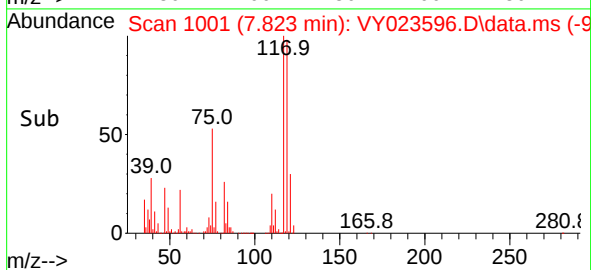
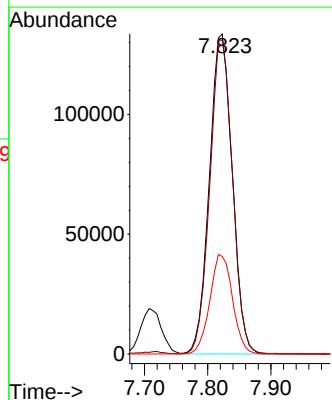
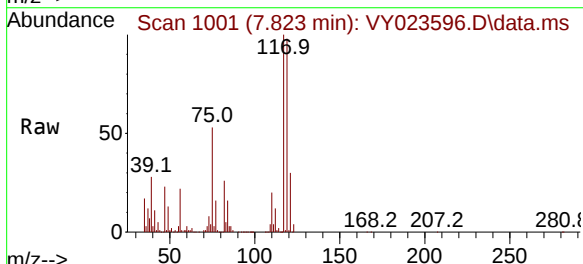
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

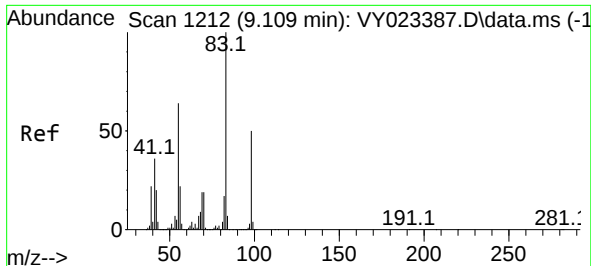
Tgt Ion: 43 Resp: 100336
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 12.4 10.5 15.7



#38
Carbon Tetrachloride
Concen: 48.856 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 117 Resp: 335922
Ion Ratio Lower Upper
117 100
119 98.1 76.8 115.2
121 30.4 24.5 36.7





#39

Methylcyclohexane

Concen: 47.708 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

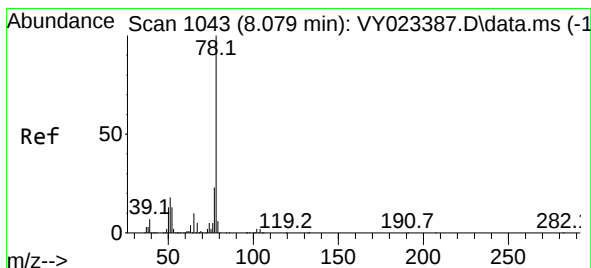
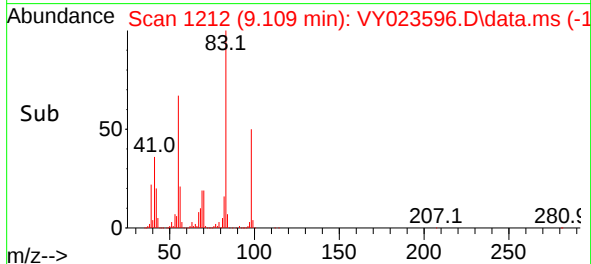
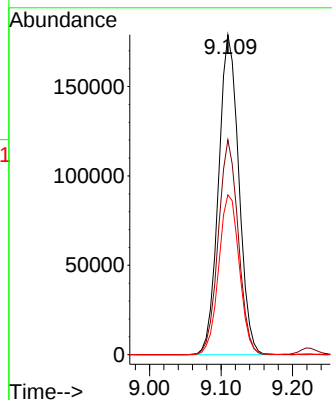
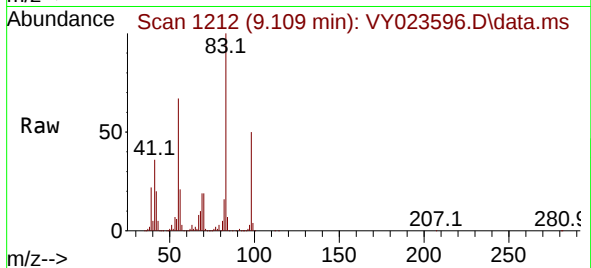
Tgt Ion: 83 Resp: 352233

Ion Ratio Lower Upper

83 100

55 67.2 51.4 77.2

98 50.0 40.4 60.6



#40

Benzene

Concen: 50.259 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023596.D

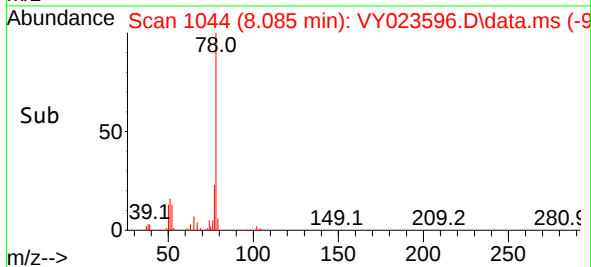
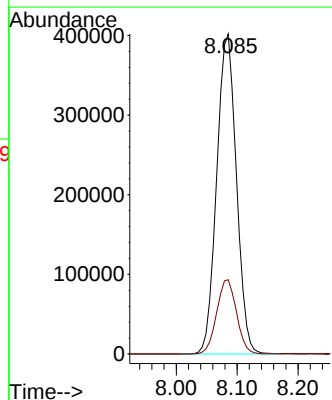
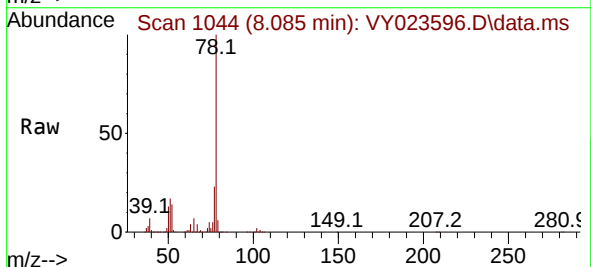
Acq: 27 Oct 2025 15:47

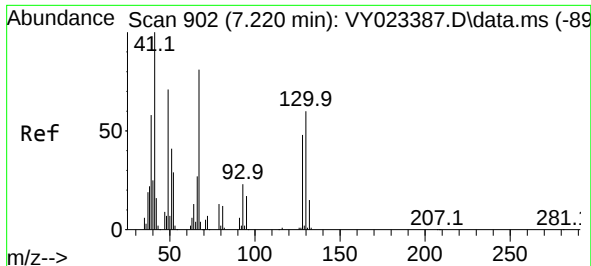
Tgt Ion: 78 Resp: 902556

Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5



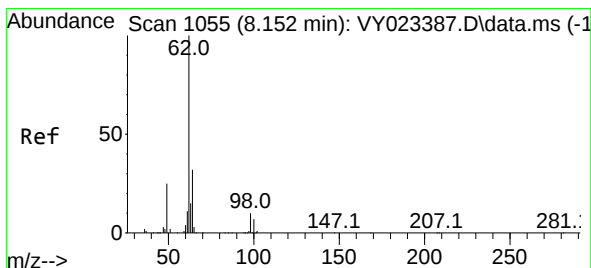
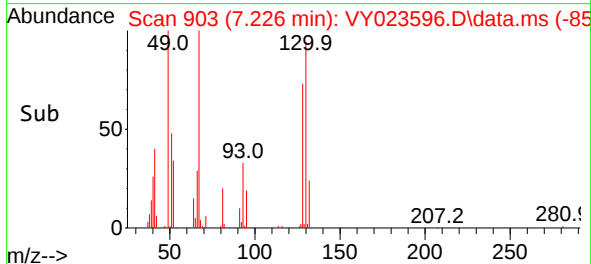
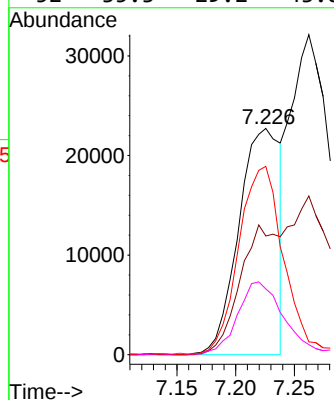
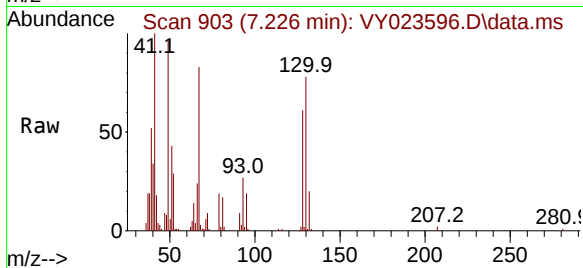


#41
Methacrylonitrile
Concen: 45.769 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 55609

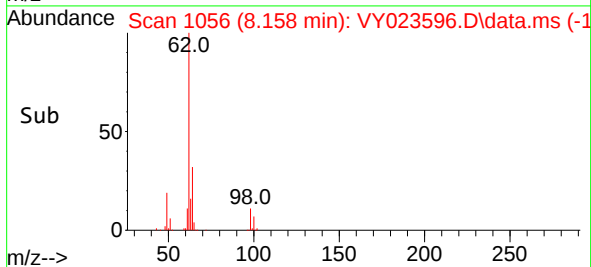
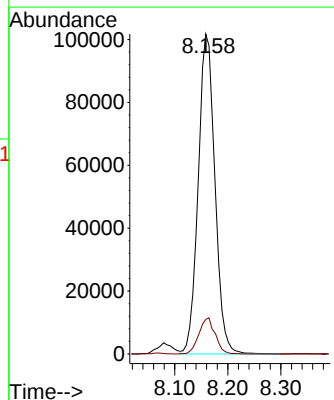
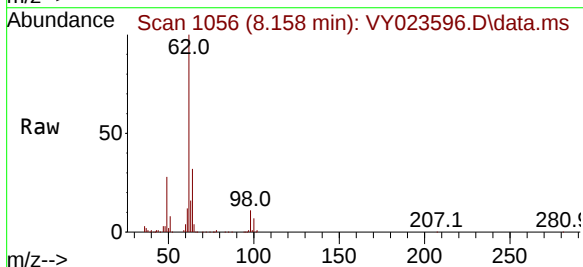
Ion	Ratio	Lower	Upper
41	100		
39	54.5	52.2	78.4
67	91.5	74.9	112.3
52	35.3	29.2	43.8

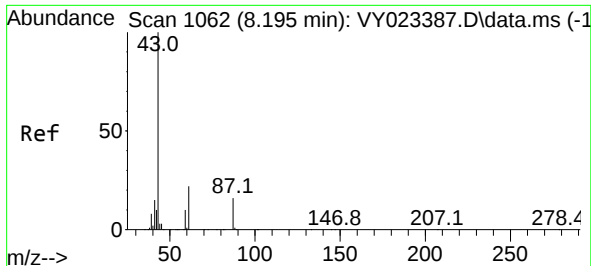


#42
1,2-Dichloroethane
Concen: 48.202 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 62 Resp: 223240

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6

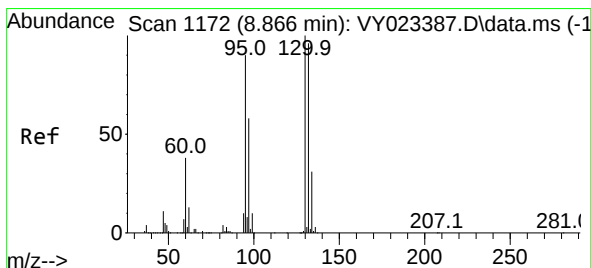
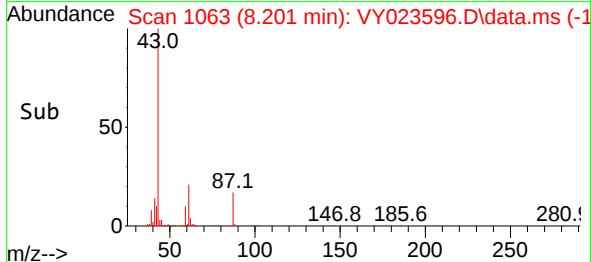
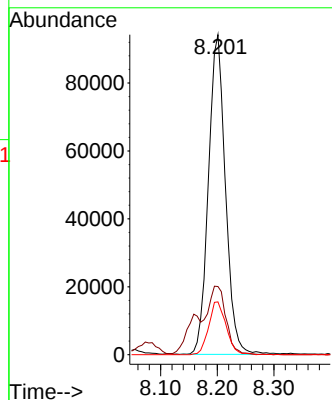
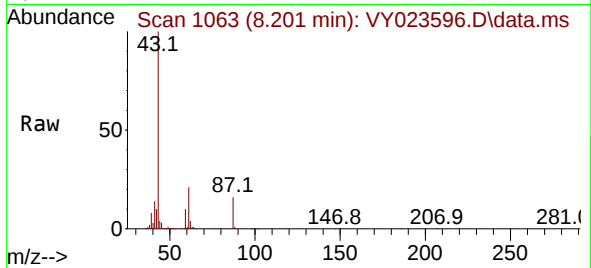




#43
Isopropyl Acetate
Concen: 43.840 ug/l
RT: 8.201 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

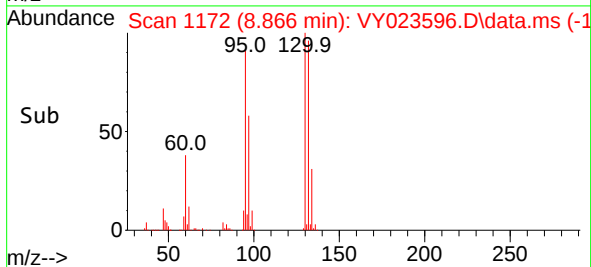
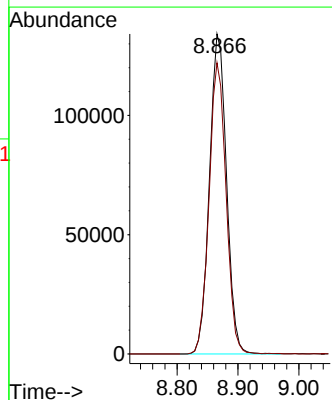
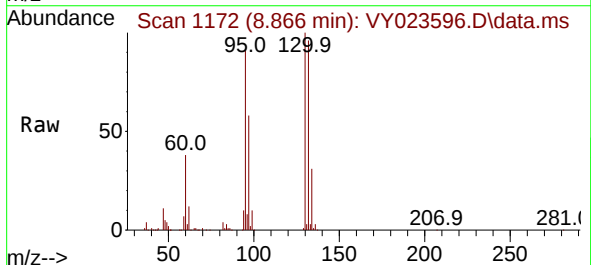
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

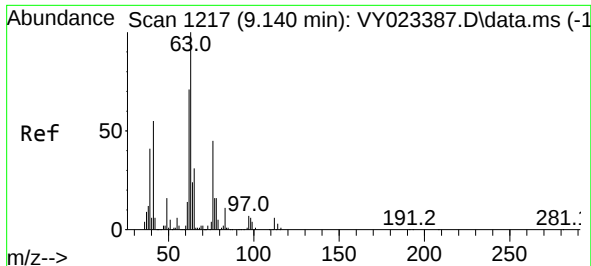
Tgt Ion: 43 Resp: 196384
Ion Ratio Lower Upper
43 100
61 23.4 18.1 27.1
87 16.9 13.5 20.3



#44
Trichloroethene
Concen: 49.655 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion:130 Resp: 260993
Ion Ratio Lower Upper
130 100
95 91.0 0.0 180.6





#45

1,2-Dichloropropane

Concen: 50.460 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

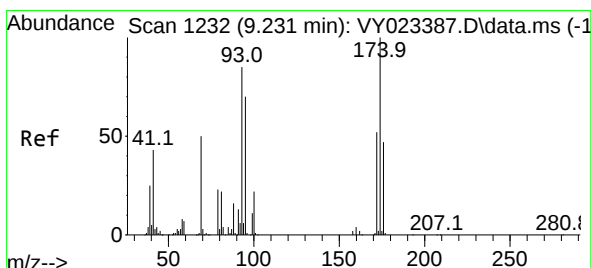
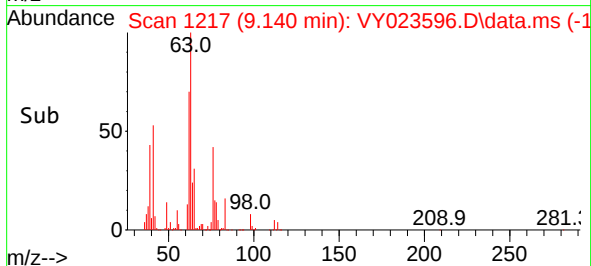
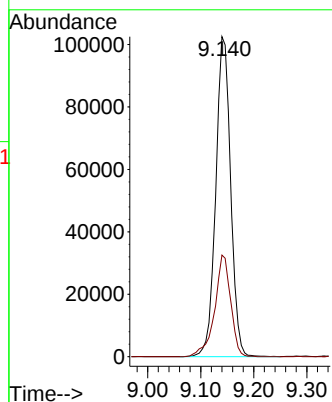
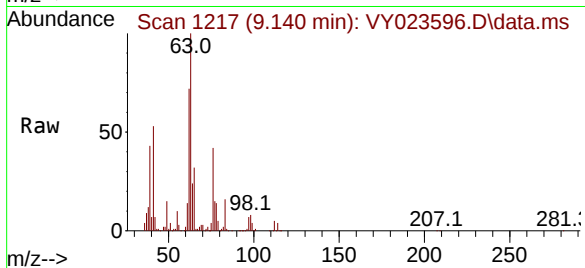
VSTDCCC050EC

Tgt Ion: 63 Resp: 200148

Ion Ratio Lower Upper

63 100

65 31.7 24.9 37.3



#46

Dibromomethane

Concen: 49.514 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

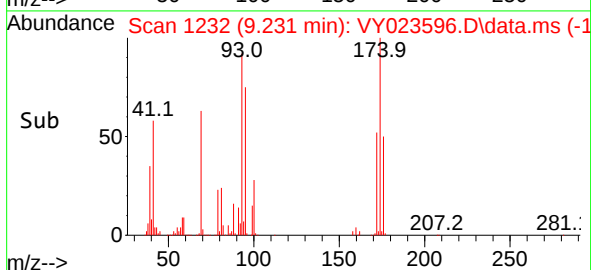
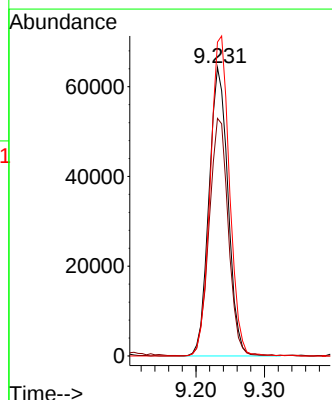
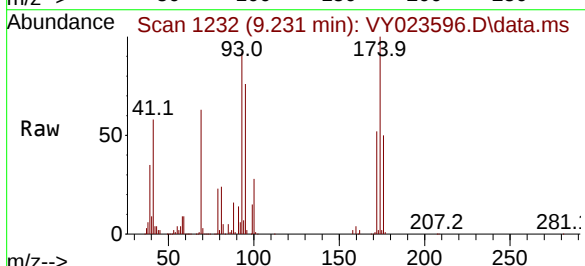
Tgt Ion: 93 Resp: 124187

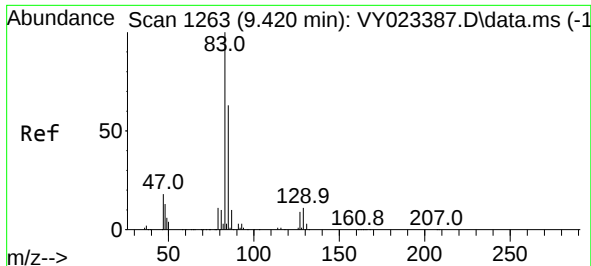
Ion Ratio Lower Upper

93 100

95 82.1 65.4 98.0

174 111.9 92.9 139.3





#47

Bromodichloromethane

Concen: 50.470 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

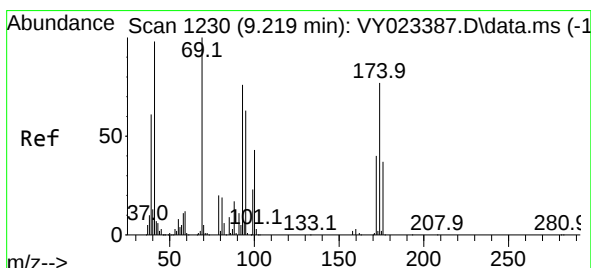
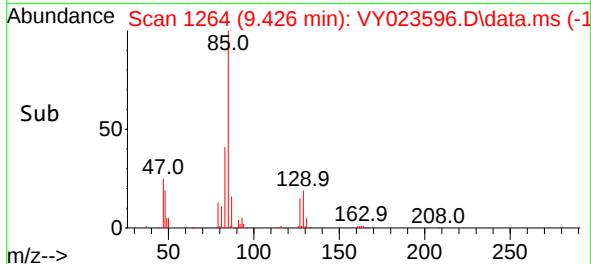
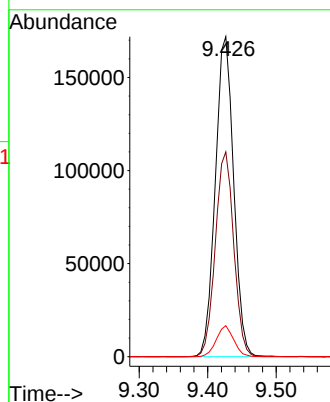
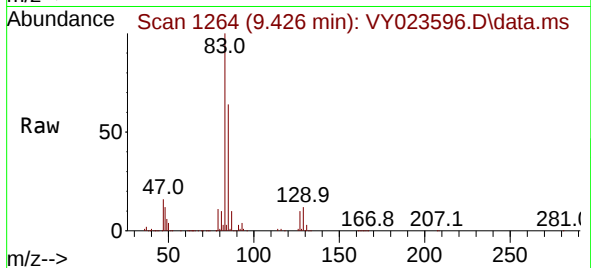
Tgt Ion: 83 Resp: 318811

Ion Ratio Lower Upper

83 100

85 64.0 50.8 76.2

127 9.7 7.4 11.2



#48

Methyl methacrylate

Concen: 43.741 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

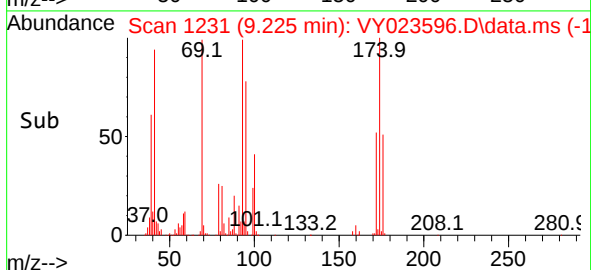
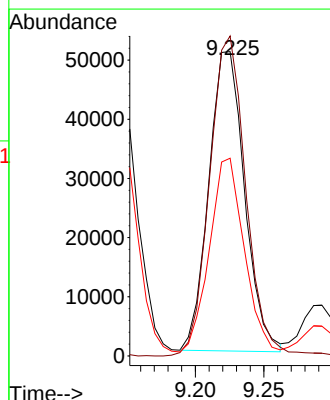
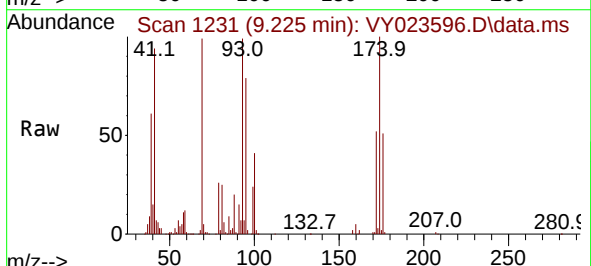
Tgt Ion: 41 Resp: 92052

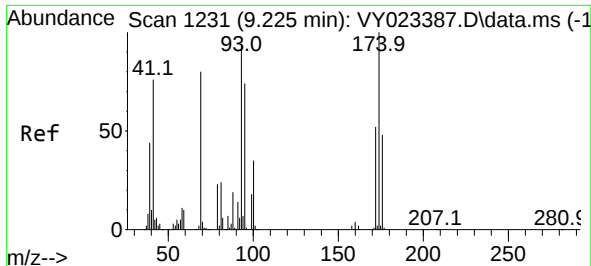
Ion Ratio Lower Upper

41 100

69 108.2 81.0 121.4

39 62.8 48.2 72.4





#49

1,4-Dioxane

Concen: 873.626 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

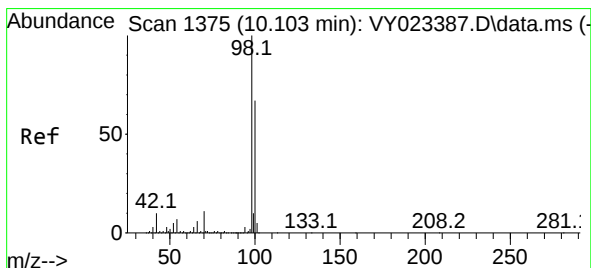
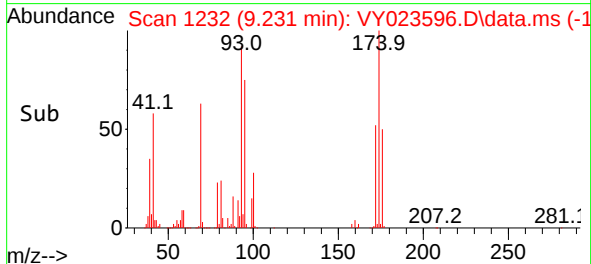
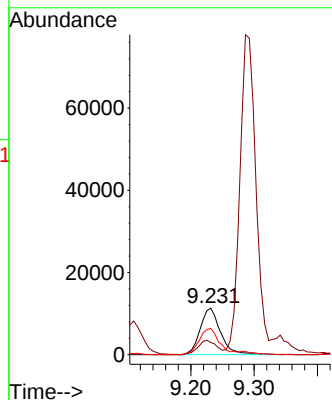
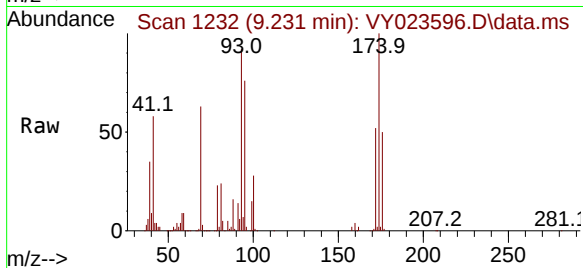
Tgt Ion: 88 Resp: 25405

Ion Ratio Lower Upper

88 100

43 28.0 21.8 32.8

58 55.5 46.8 70.2



#50

Toluene-d8

Concen: 49.977 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023596.D

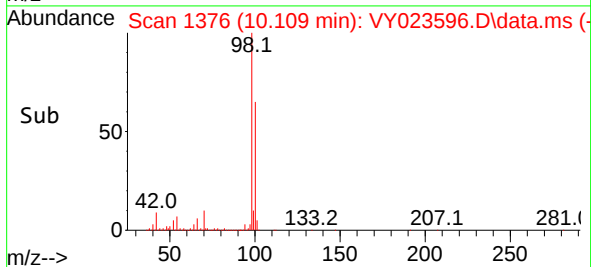
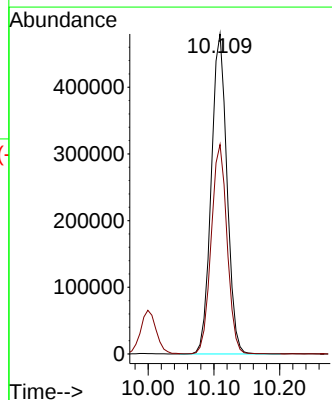
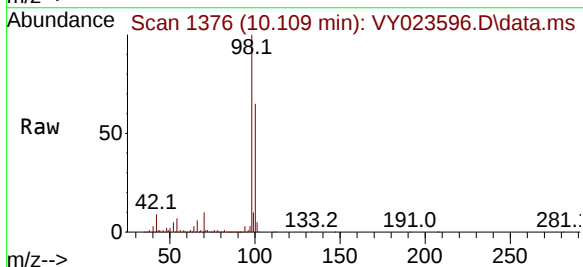
Acq: 27 Oct 2025 15:47

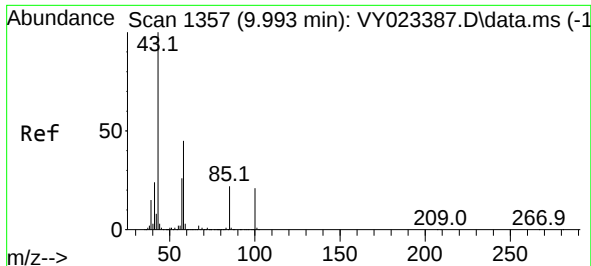
Tgt Ion: 98 Resp: 797179

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 226.095 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

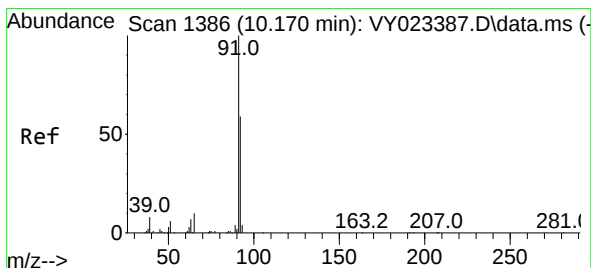
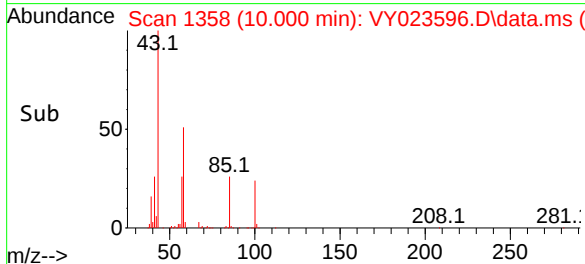
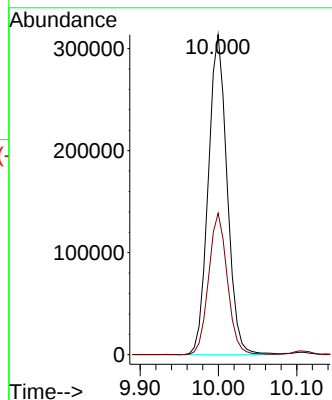
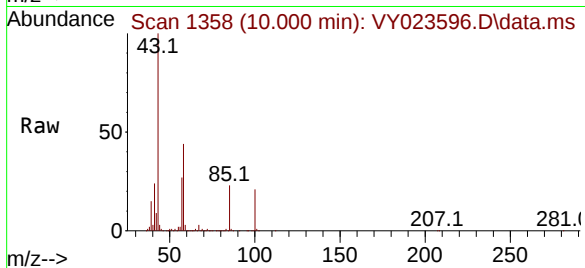
VSTDCCC050EC

Tgt Ion: 43 Resp: 523283

Ion Ratio Lower Upper

43 100

58 44.0 35.3 52.9



#52

Toluene

Concen: 51.283 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023596.D

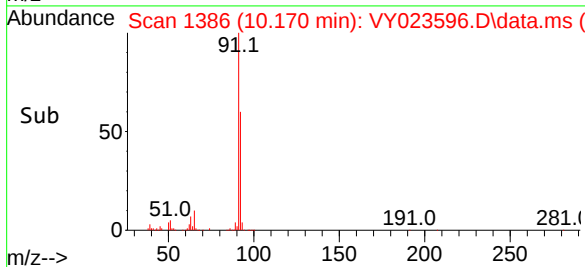
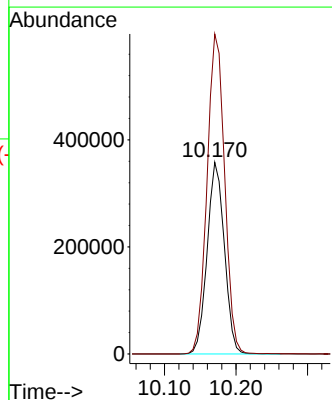
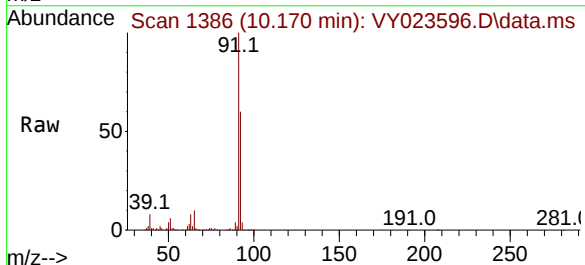
Acq: 27 Oct 2025 15:47

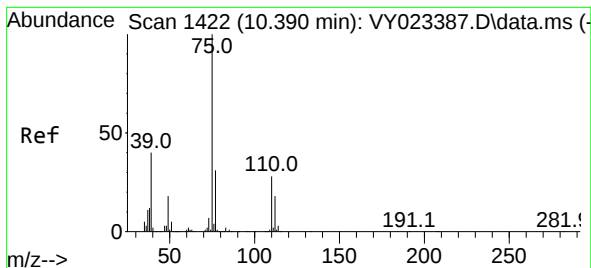
Tgt Ion: 92 Resp: 597956

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6

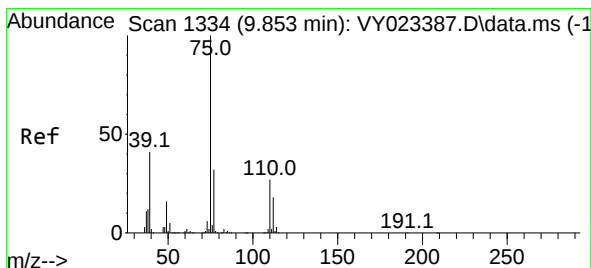
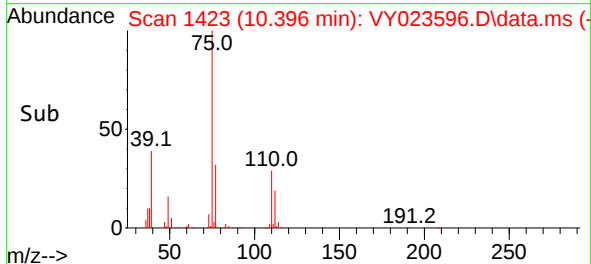
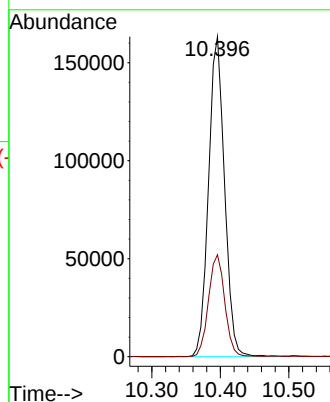
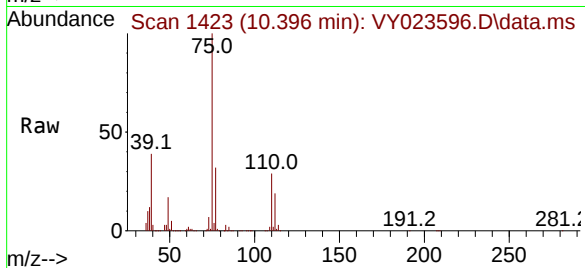




#53
t-1,3-Dichloropropene
Concen: 48.279 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

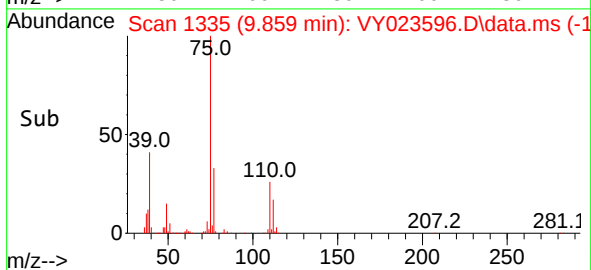
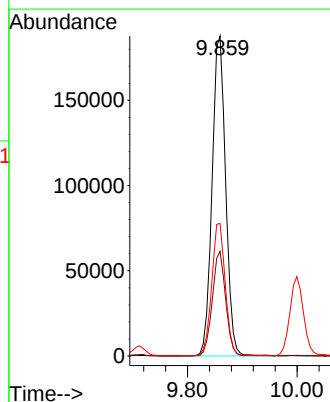
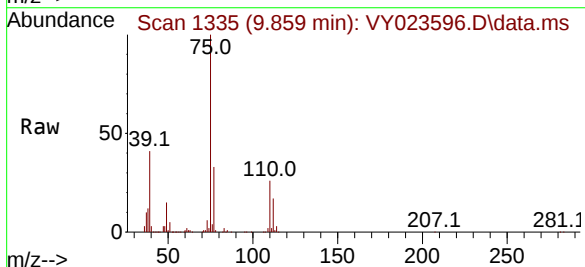
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

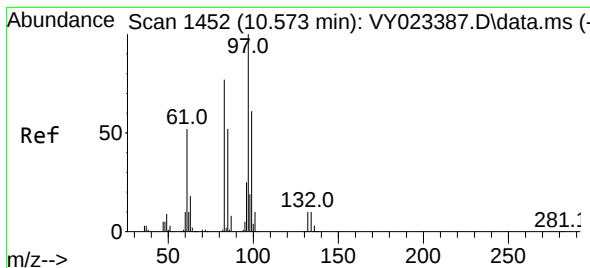
Tgt Ion: 75 Resp: 265174
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 49.585 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 75 Resp: 321438
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.0
39 41.4 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 48.683 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 164197

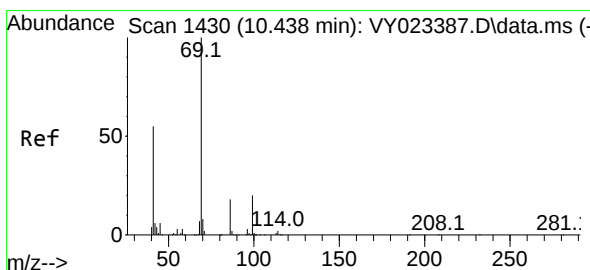
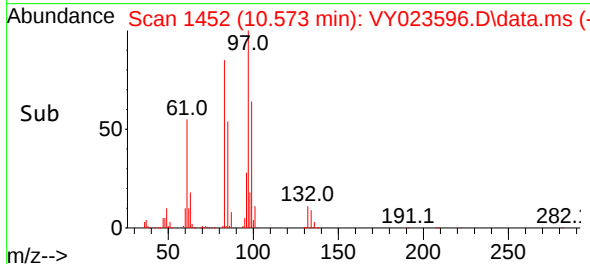
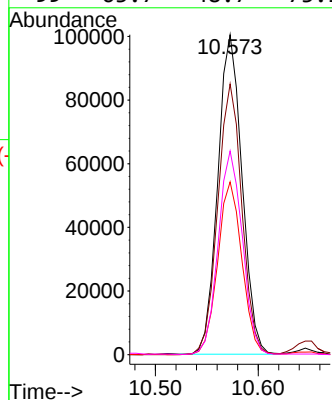
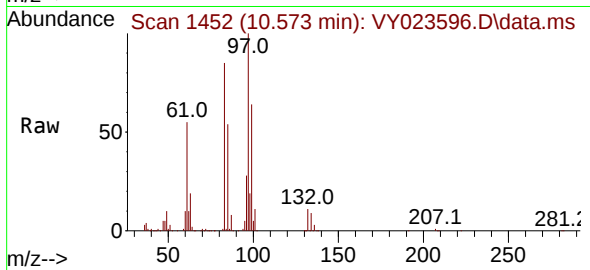
Ion Ratio Lower Upper

97 100

83 84.7 61.8 92.6

85 54.1 41.3 61.9

99 63.7 48.7 73.1



#56

Ethyl methacrylate

Concen: 48.696 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

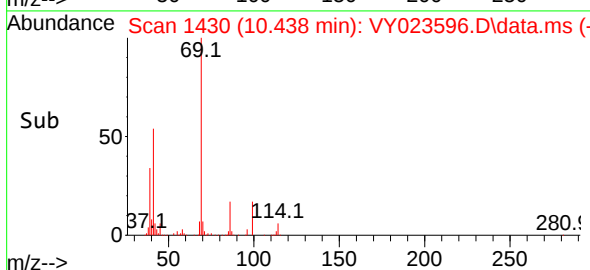
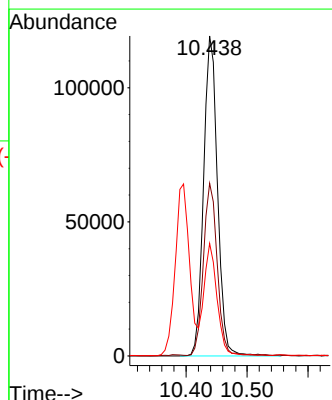
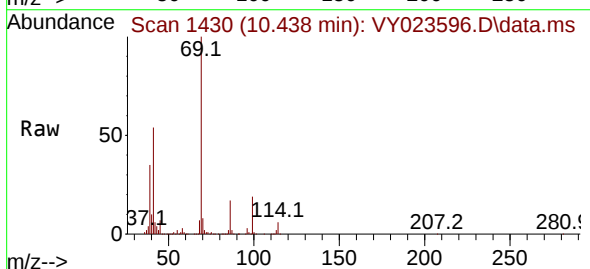
Tgt Ion: 69 Resp: 189454

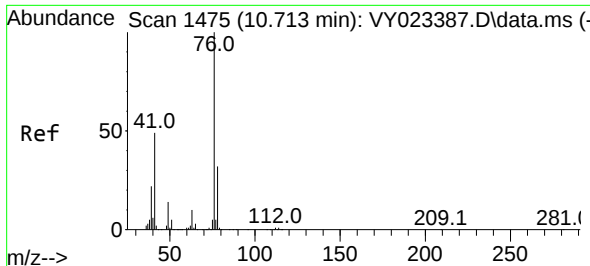
Ion Ratio Lower Upper

69 100

41 53.6 44.6 67.0

39 32.4 27.0 40.4





#57

1,3-Dichloropropane

Concen: 49.132 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

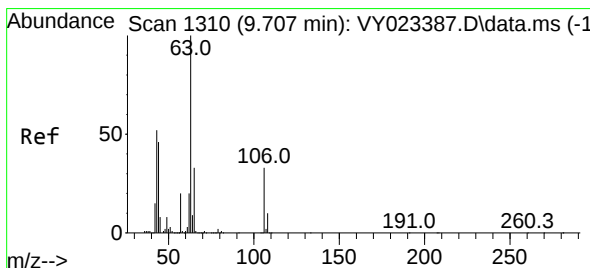
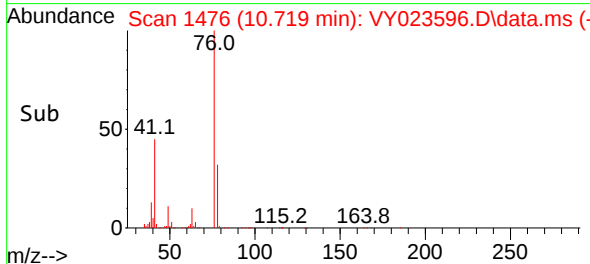
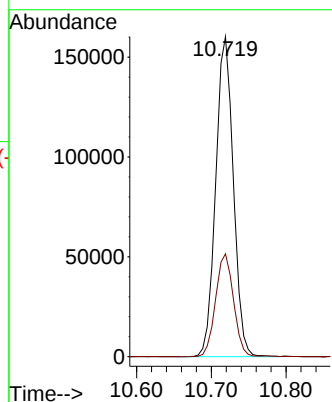
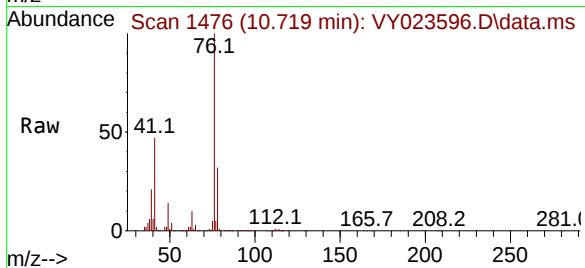
VSTDCCC050EC

Tgt Ion: 76 Resp: 262590

Ion Ratio Lower Upper

76 100

78 32.9 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 261.540 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023596.D

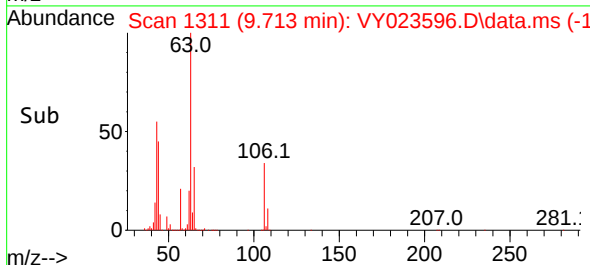
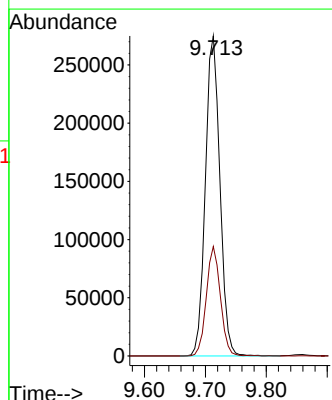
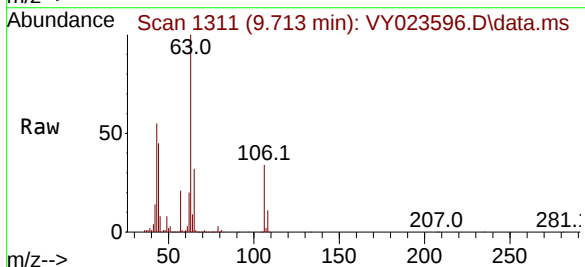
Acq: 27 Oct 2025 15:47

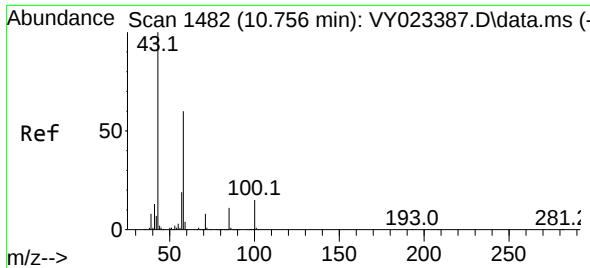
Tgt Ion: 63 Resp: 455833

Ion Ratio Lower Upper

63 100

106 33.1 26.6 39.8

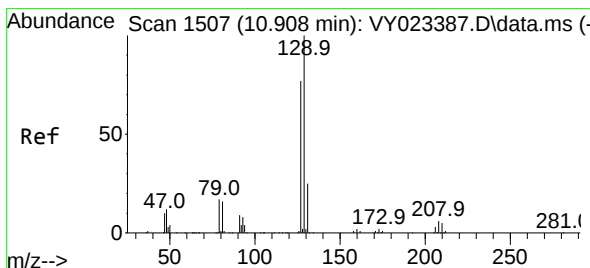
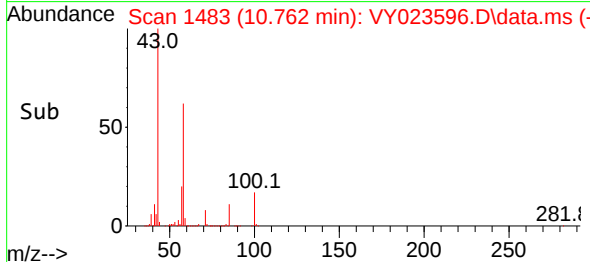
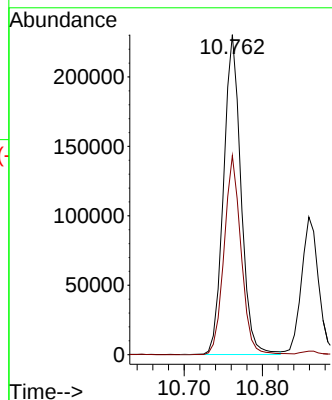
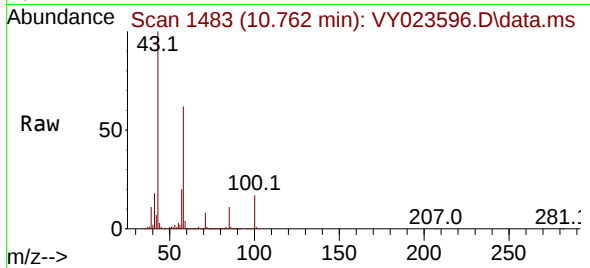




#59
2-Hexanone
Concen: 214.822 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

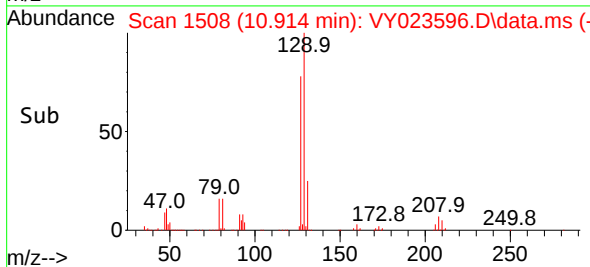
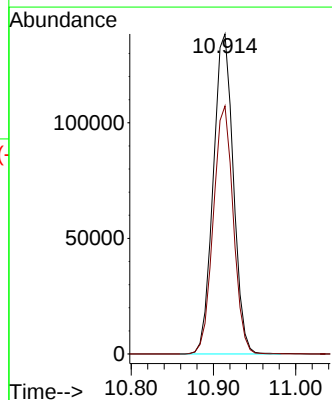
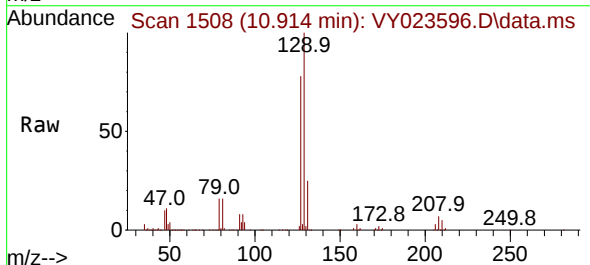
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

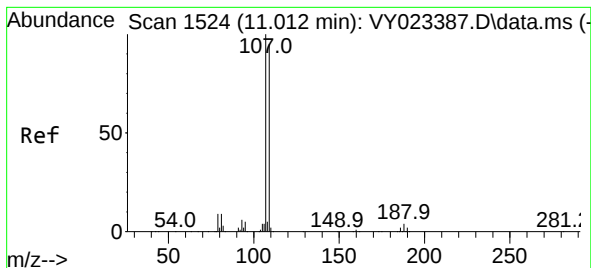
Tgt Ion: 43 Resp: 355315
Ion Ratio Lower Upper
43 100
58 60.8 30.5 91.5



#60
Dibromochloromethane
Concen: 49.762 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion:129 Resp: 235313
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7

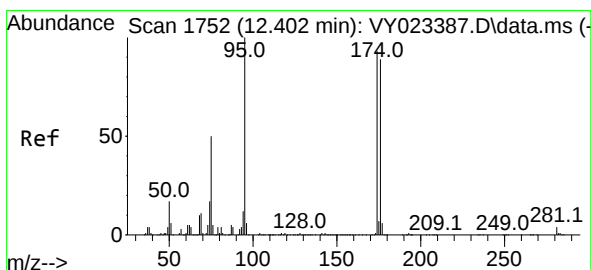
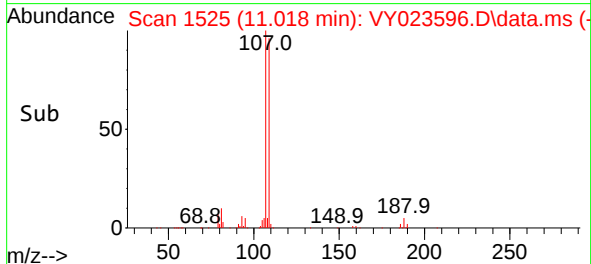
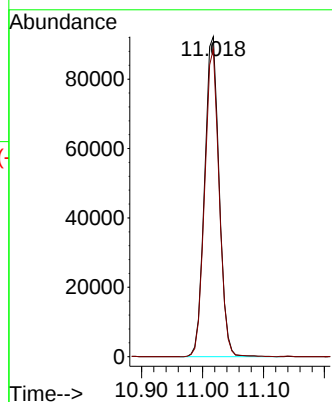
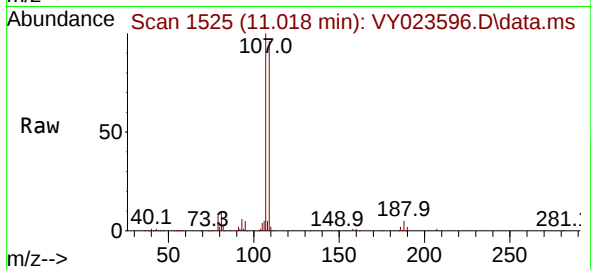




#61
1,2-Dibromoethane
Concen: 47.749 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

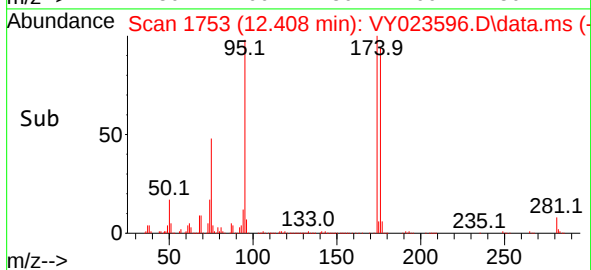
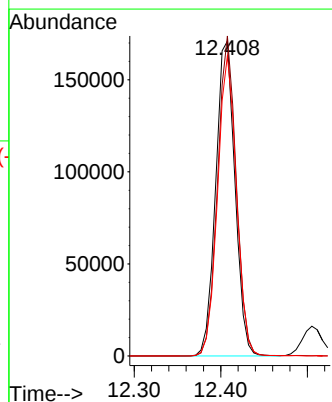
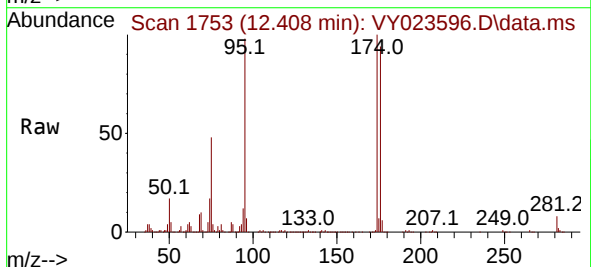
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

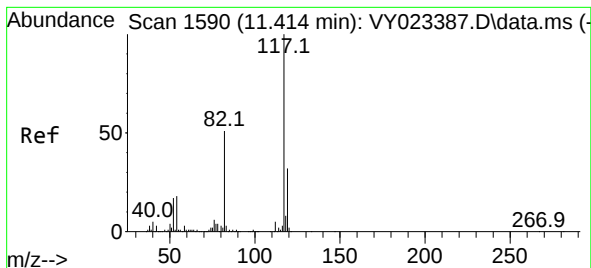
Tgt Ion:107 Resp: 153590
Ion Ratio Lower Upper
107 100
109 95.3 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 50.219 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 95 Resp: 264465
Ion Ratio Lower Upper
95 100
174 98.5 0.0 192.8
176 93.4 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

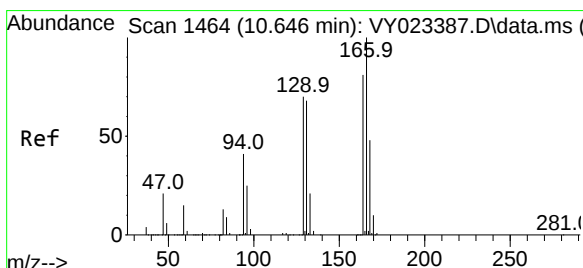
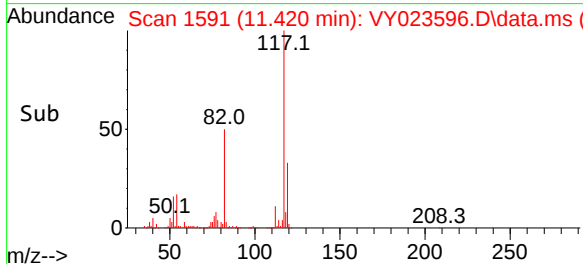
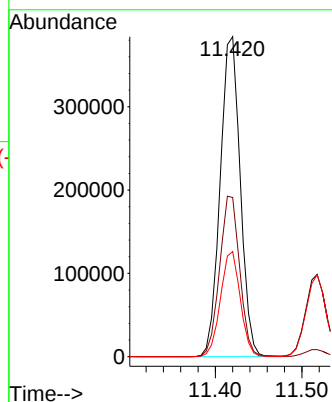
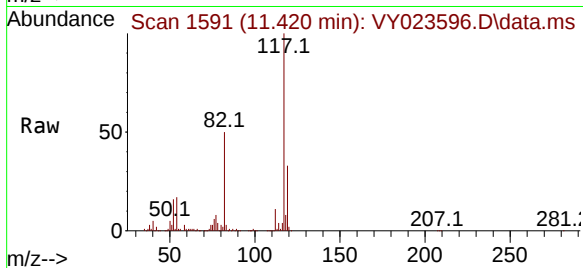
Tgt Ion:117 Resp: 619120

Ion Ratio Lower Upper

117 100

82 49.7 41.0 61.4

119 32.8 25.6 38.4



#64

Tetrachloroethene

Concen: 50.589 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Tgt Ion:164 Resp: 323398

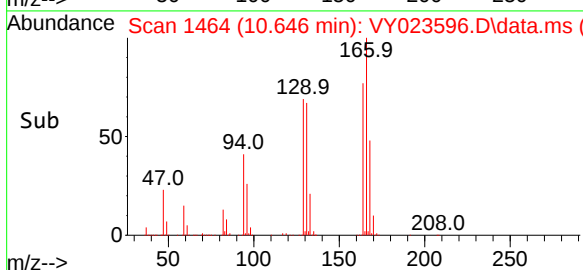
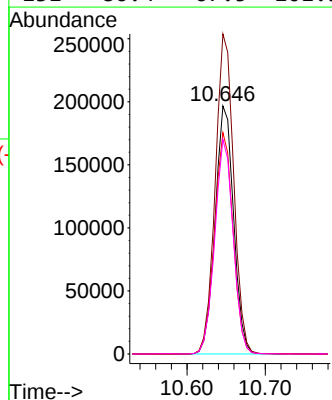
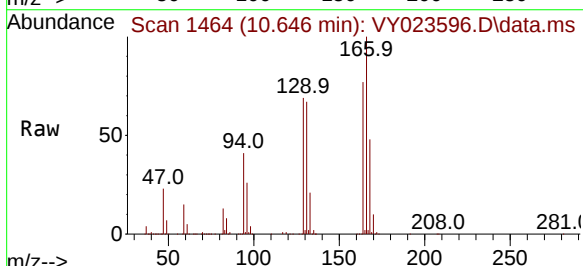
Ion Ratio Lower Upper

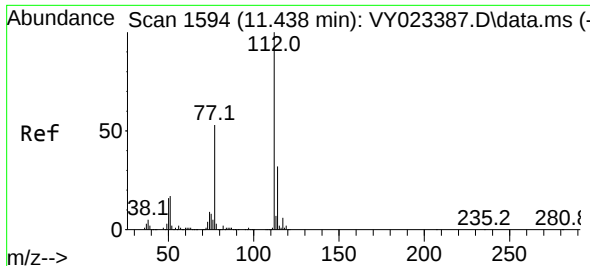
164 100

166 129.1 99.4 149.0

129 89.2 69.4 104.2

131 86.4 67.5 101.3

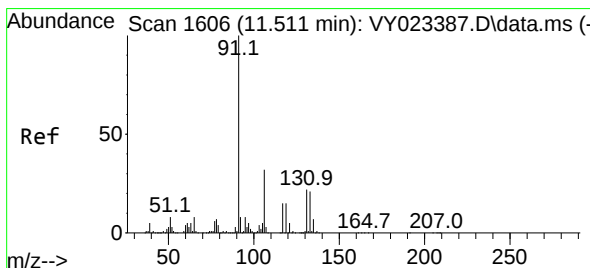
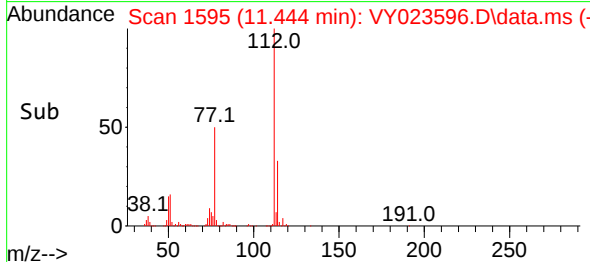
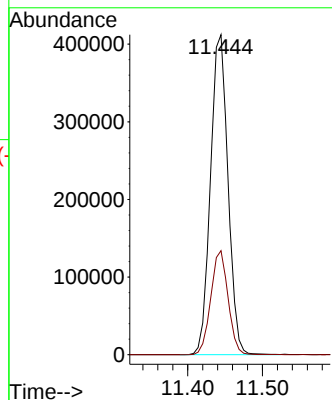
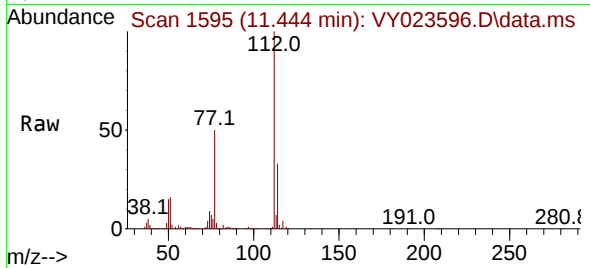




#65
Chlorobenzene
Concen: 49.810 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

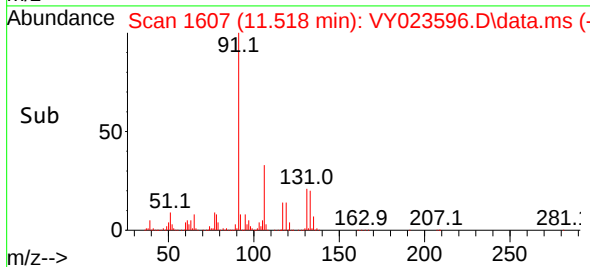
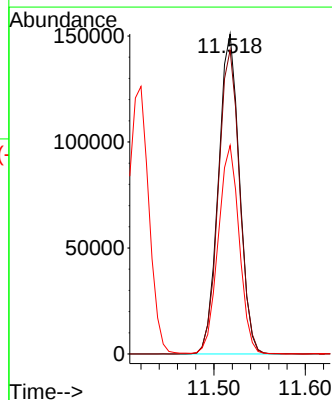
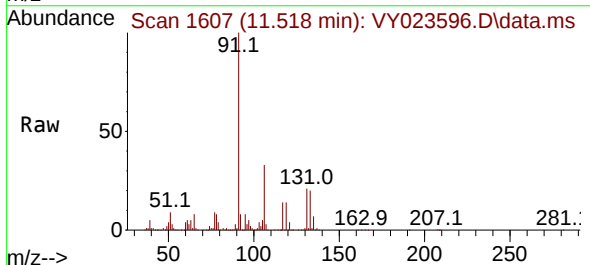
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

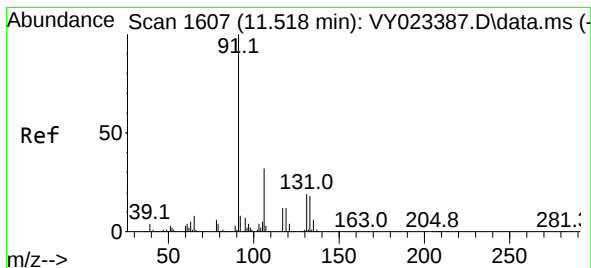
Tgt Ion:112 Resp: 670721
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.244 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion:131 Resp: 241097
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.2
119 65.3 32.4 97.2





#67

Ethyl Benzene

Concen: 51.106 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

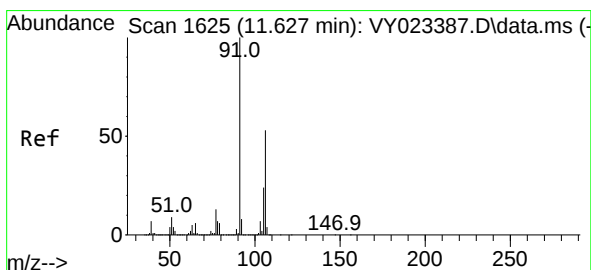
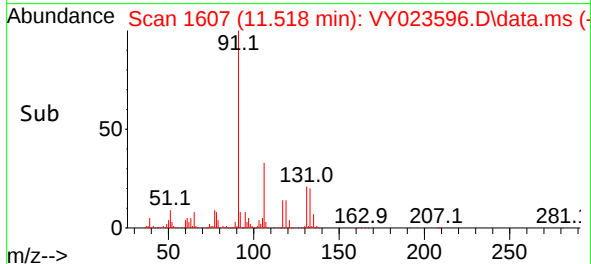
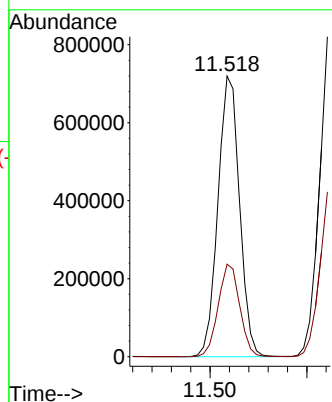
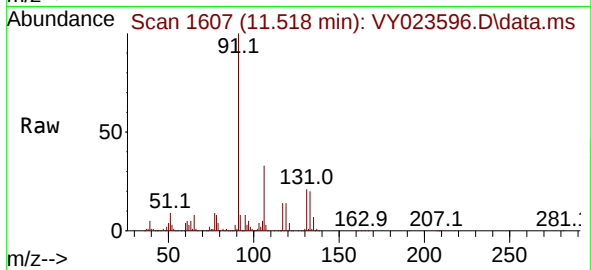
VSTDCCC050EC

Tgt Ion: 91 Resp: 1113942

Ion Ratio Lower Upper

91 100

106 32.9 25.8 38.8



#68

m/p-Xylenes

Concen: 102.673 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023596.D

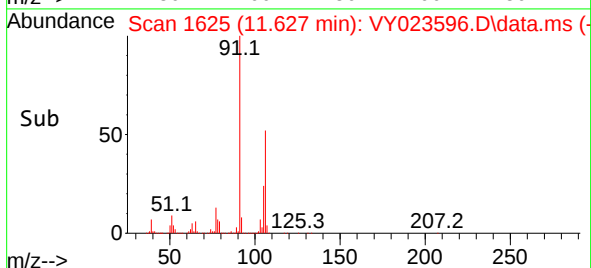
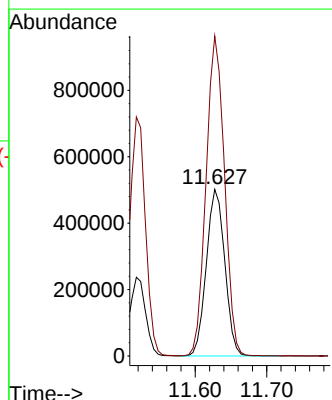
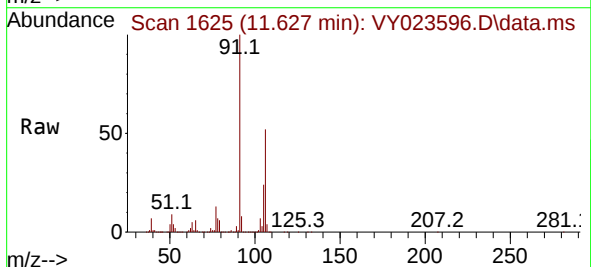
Acq: 27 Oct 2025 15:47

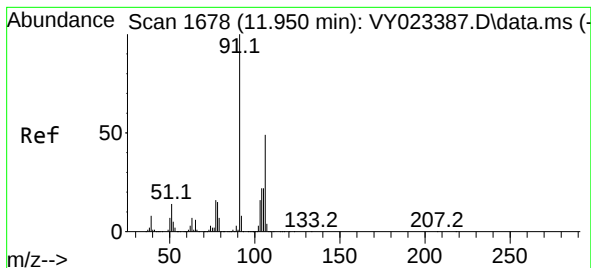
Tgt Ion:106 Resp: 897628

Ion Ratio Lower Upper

106 100

91 191.7 152.6 229.0





#69

o-Xylene

Concen: 51.175 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

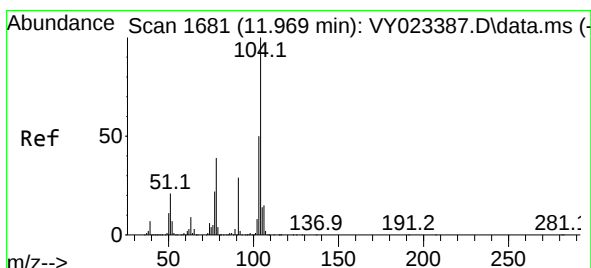
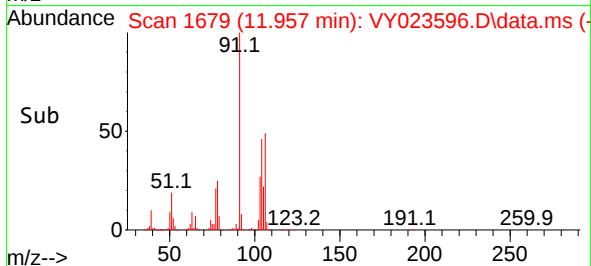
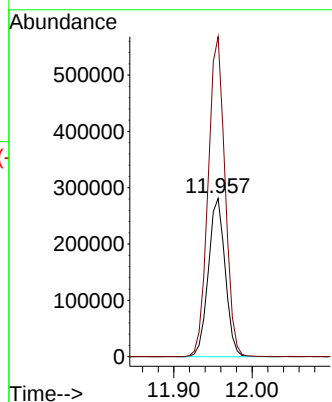
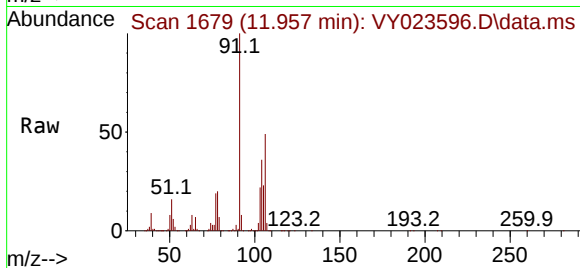
VSTDCCC050EC

Tgt Ion:106 Resp: 419645

Ion Ratio Lower Upper

106 100

91 202.4 101.4 304.1



#70

Styrene

Concen: 51.525 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

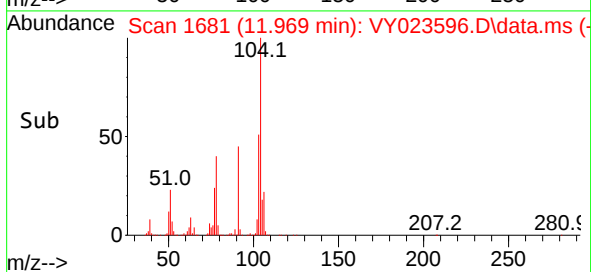
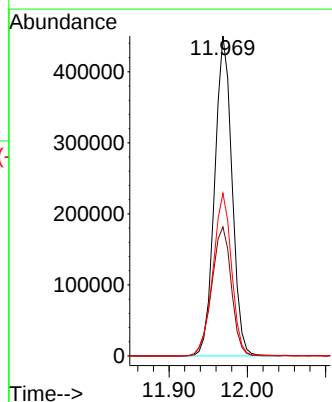
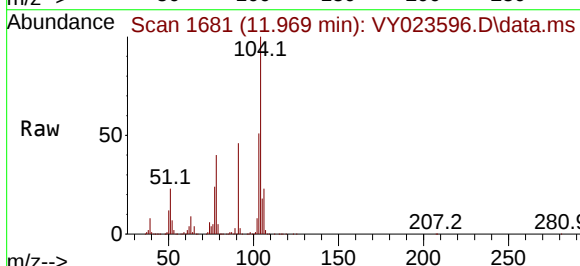
Tgt Ion:104 Resp: 694816

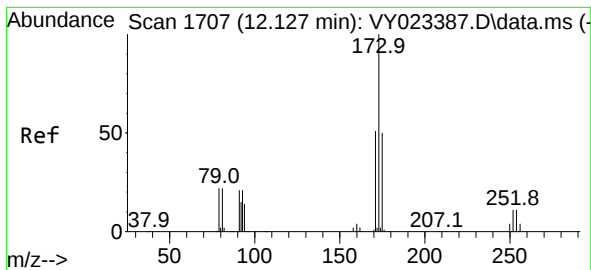
Ion Ratio Lower Upper

104 100

78 45.6 36.1 54.1

103 54.3 43.2 64.8





#71

Bromoform

Concen: 46.944 ug/l

RT: 12.133 min Scan# 1707

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

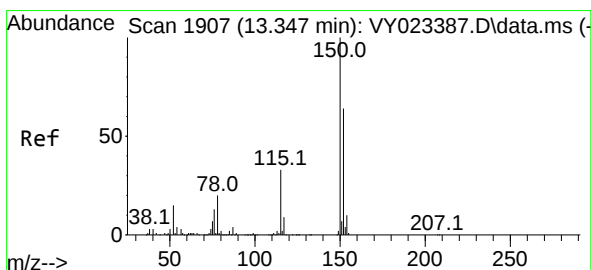
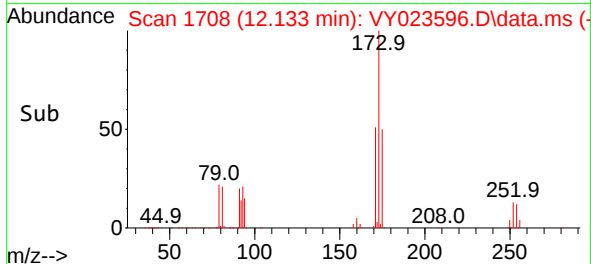
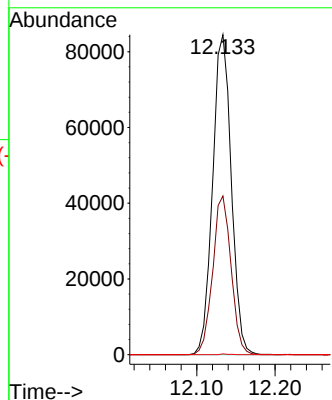
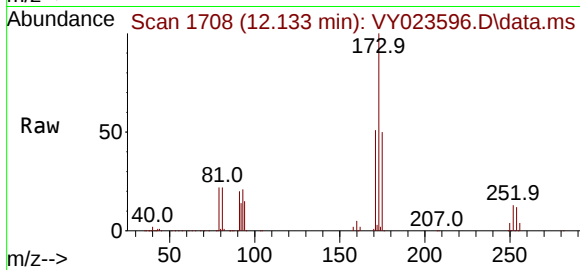
Tgt Ion:173 Resp: 139728

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

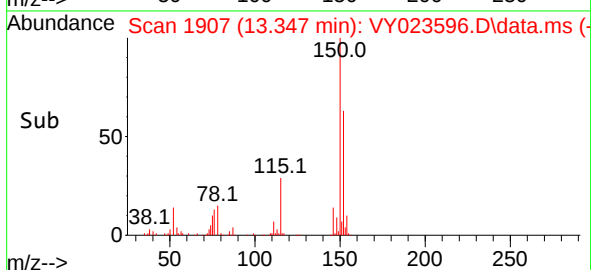
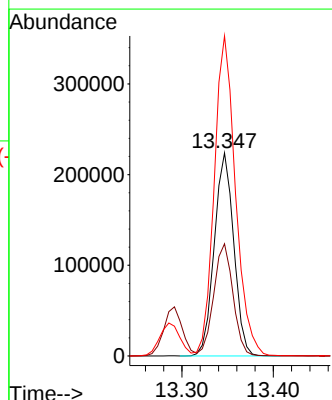
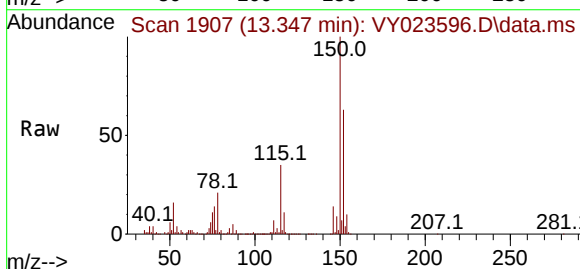
Tgt Ion:152 Resp: 331971

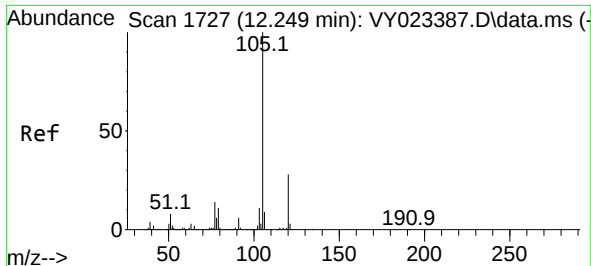
Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 172.2 0.0 347.4

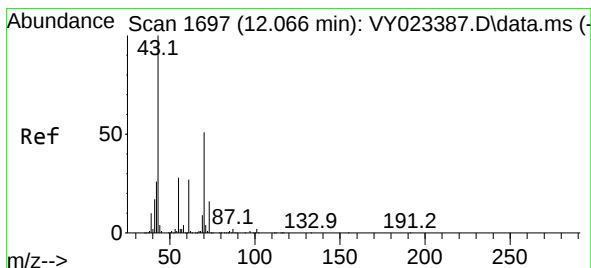
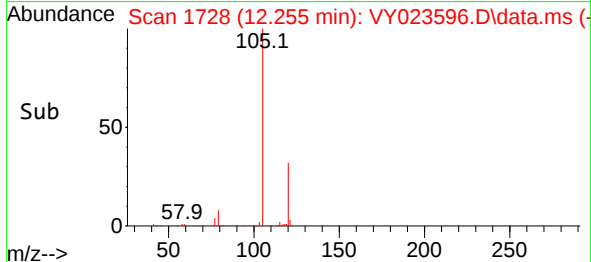
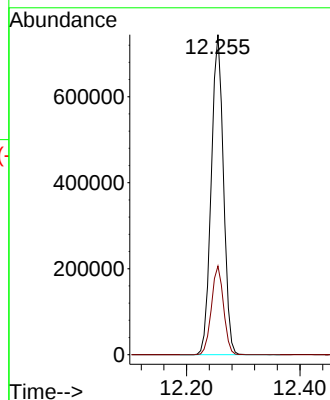
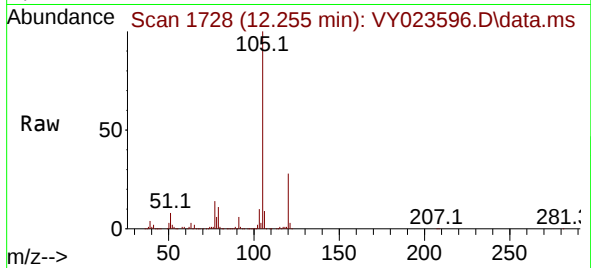




#73
Isopropylbenzene
Concen: 50.776 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

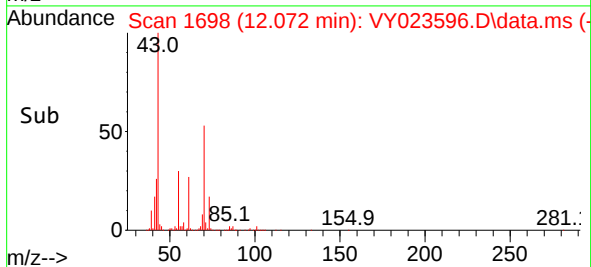
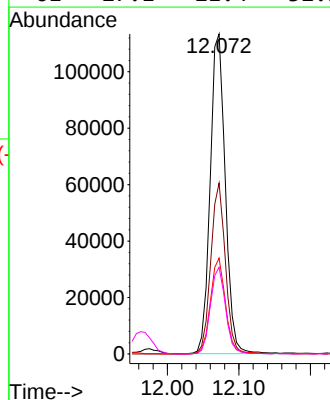
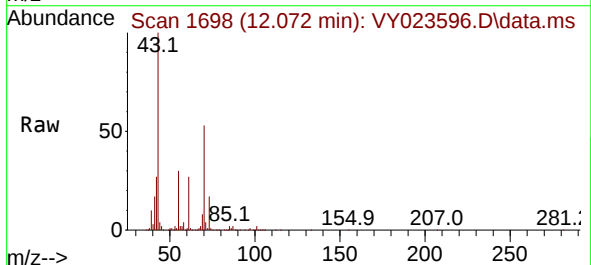
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

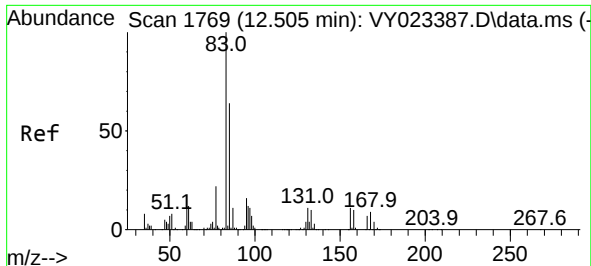
Tgt Ion:105 Resp: 1110852
Ion Ratio Lower Upper
105 100
120 27.5 13.9 41.7



#74
N-ethyl acetate
Concen: 42.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 43 Resp: 166309
Ion Ratio Lower Upper
43 100
70 51.8 41.1 61.7
55 30.2 23.0 34.6
61 27.1 21.4 32.2

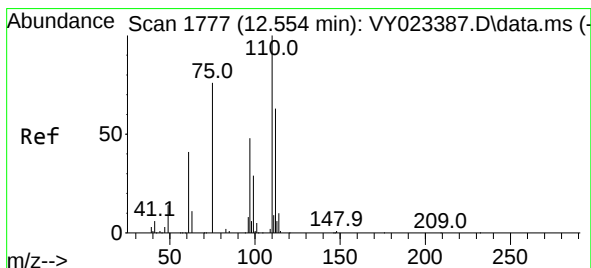
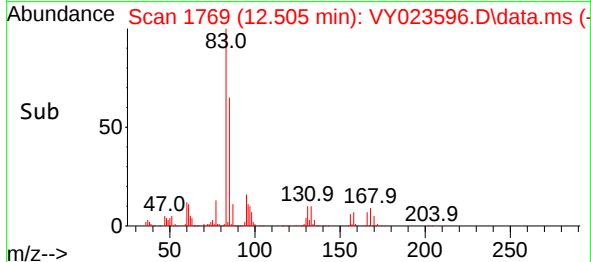
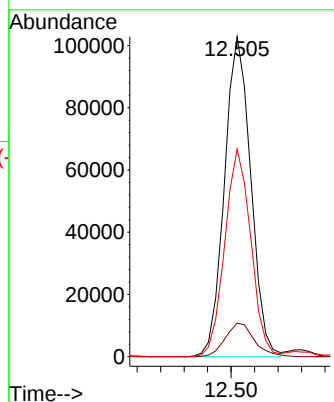
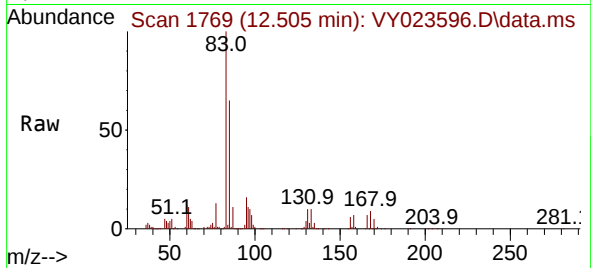




#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.719 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

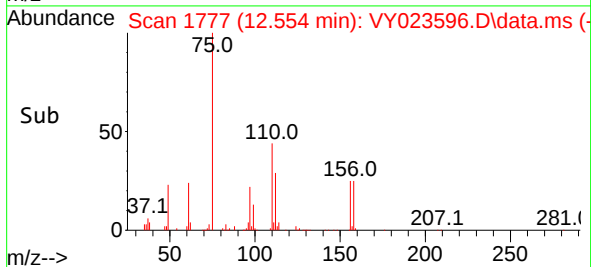
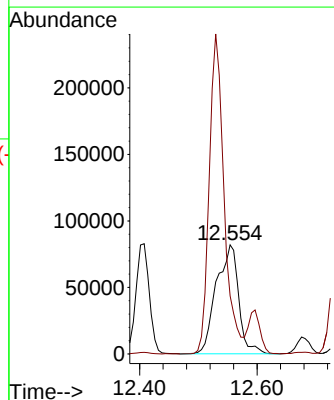
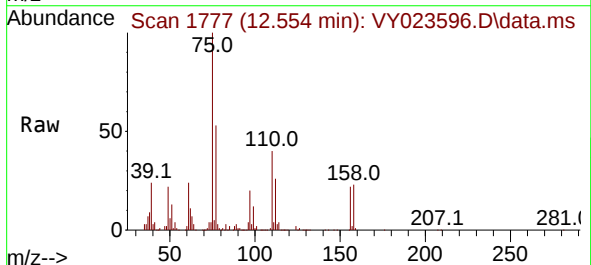
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

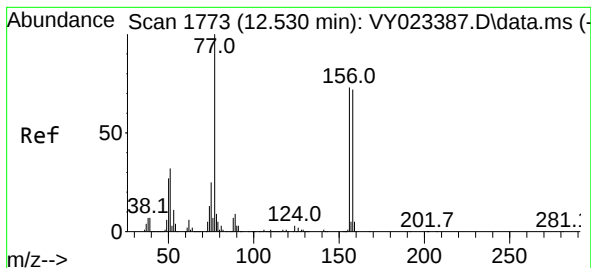
Tgt Ion: 83 Resp: 160011
 Ion Ratio Lower Upper
 83 100
 131 11.5 5.9 17.6
 85 64.2 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 73.827 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

Tgt Ion: 75 Resp: 216230
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.730 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

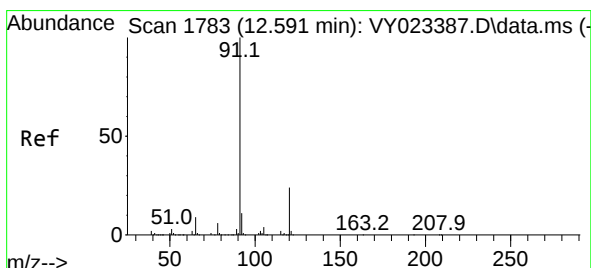
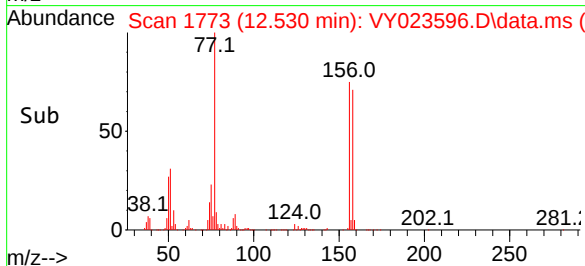
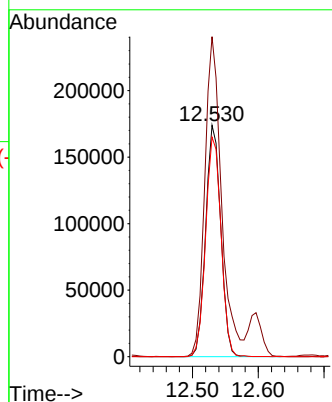
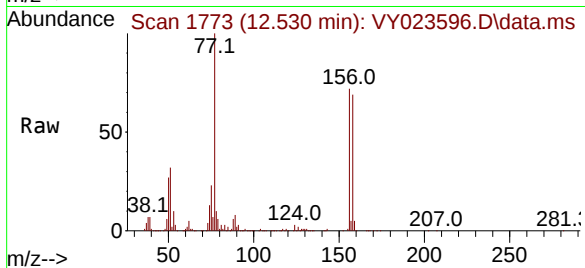
Tgt Ion:156 Resp: 277604

Ion Ratio Lower Upper

156 100

77 153.4 76.8 230.5

158 97.0 49.0 147.2



#78

n-propylbenzene

Concen: 50.590 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023596.D

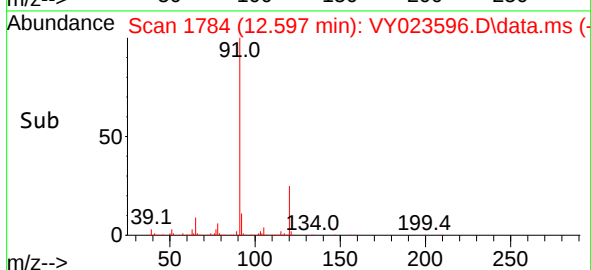
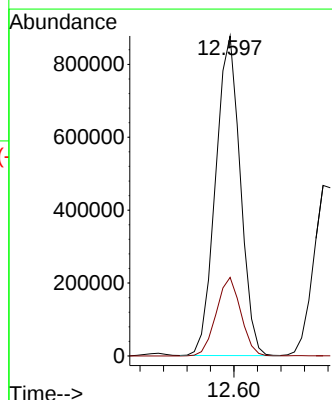
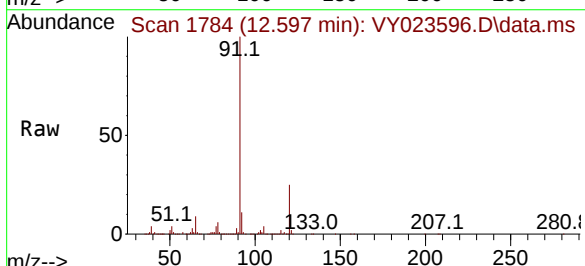
Acq: 27 Oct 2025 15:47

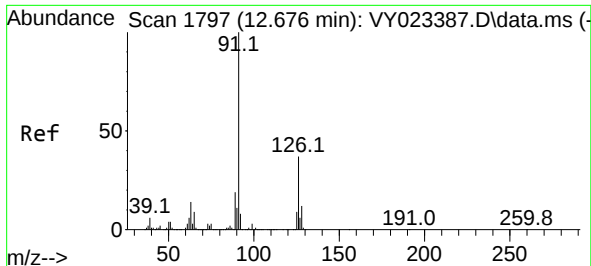
Tgt Ion: 91 Resp: 1280756

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.8

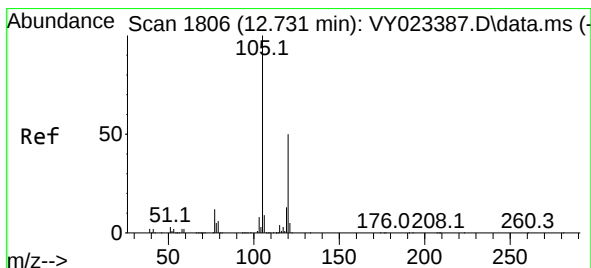
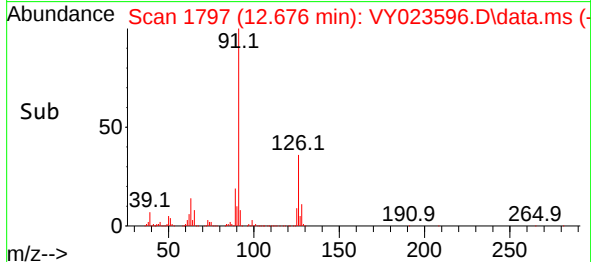
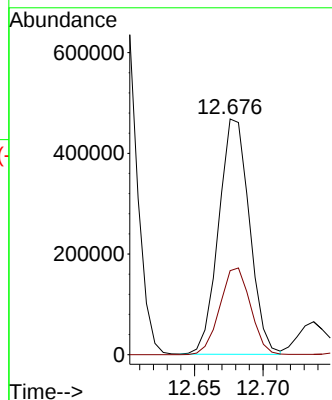
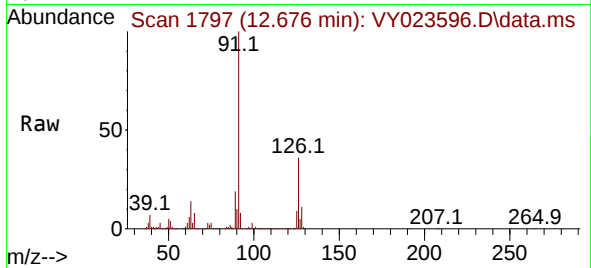




#79
2-Chlorotoluene
Concen: 49.445 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

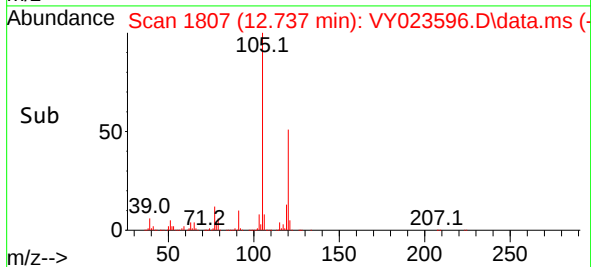
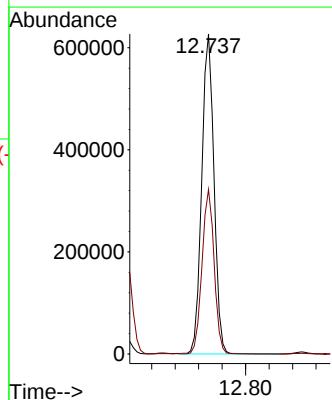
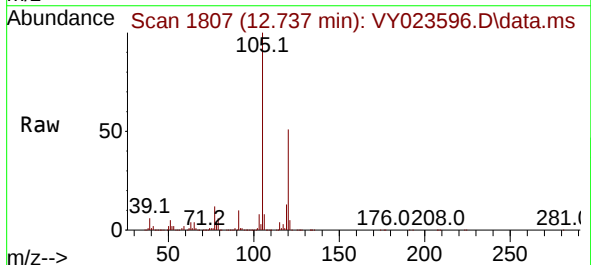
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

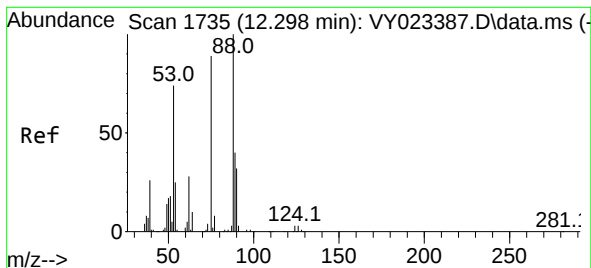
Tgt Ion: 91 Resp: 733038
Ion Ratio Lower Upper
91 100
126 36.7 18.5 55.5



#80
1,3,5-Trimethylbenzene
Concen: 51.144 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 105 Resp: 904143
Ion Ratio Lower Upper
105 100
120 50.8 25.4 76.4

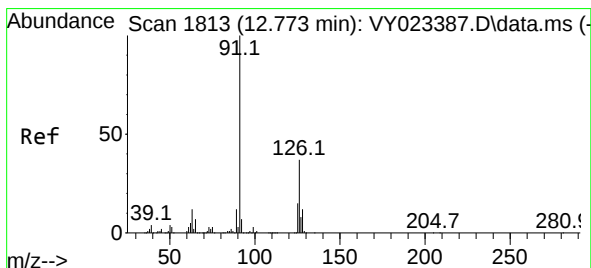
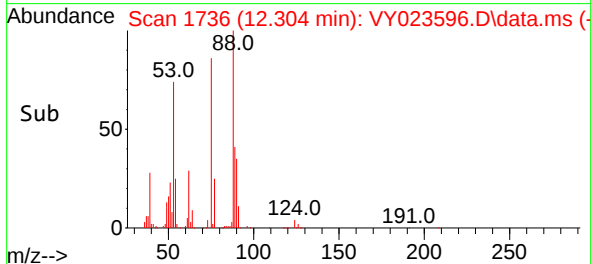
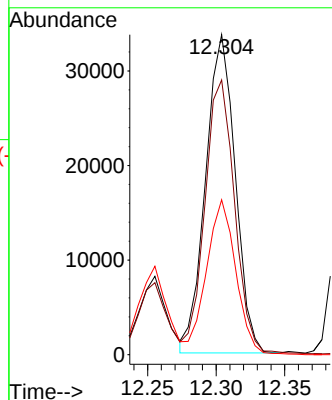
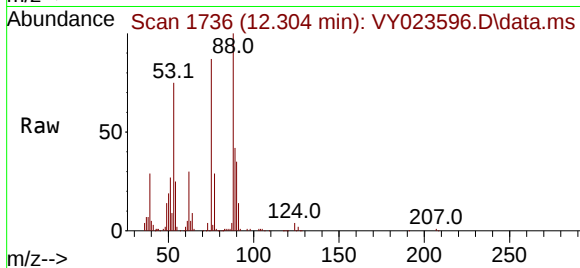




#81
trans-1,4-Dichloro-2-butene
Concen: 42.305 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

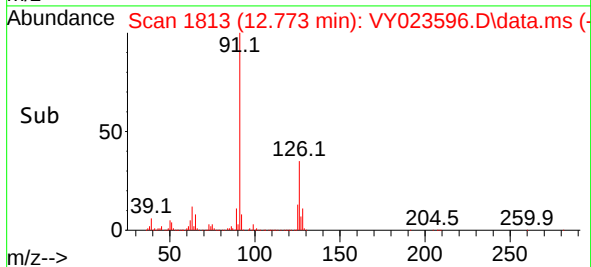
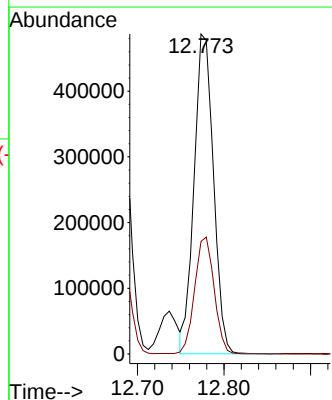
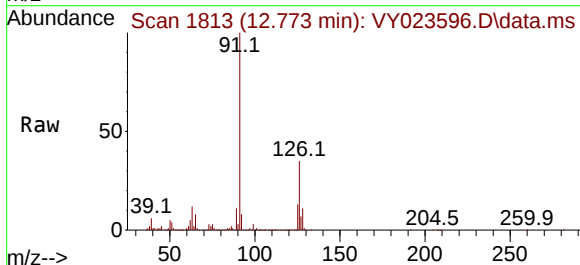
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

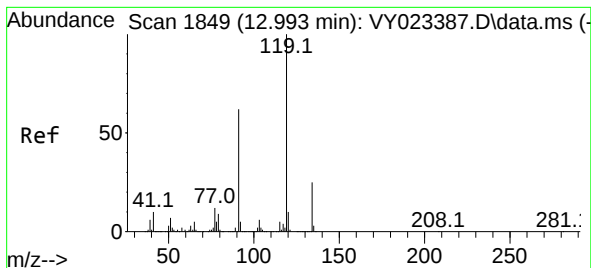
Tgt Ion: 75 Resp: 50529
Ion Ratio Lower Upper
75 100
53 87.4 68.6 102.8
89 48.7 39.0 58.4



#82
4-Chlorotoluene
Concen: 49.598 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion: 91 Resp: 757278
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.4





#83

tert-Butylbenzene

Concen: 50.672 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

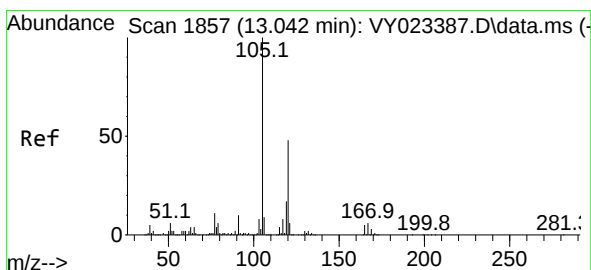
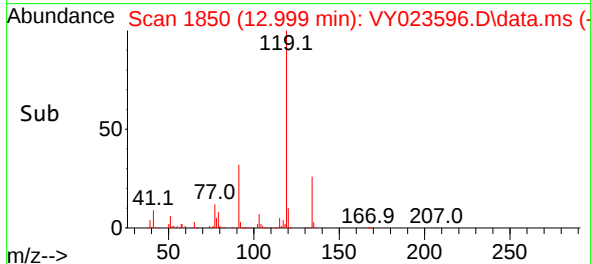
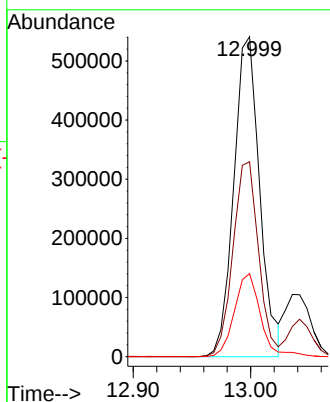
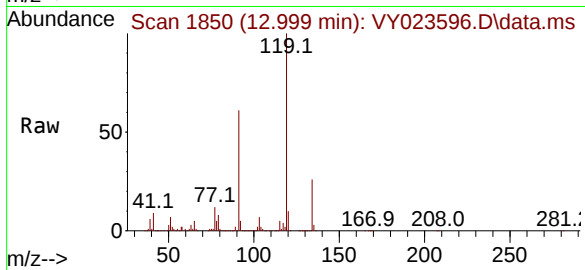
Tgt Ion:119 Resp: 827111

Ion Ratio Lower Upper

119 100

91 60.4 29.9 89.8

134 26.3 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 50.977 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023596.D

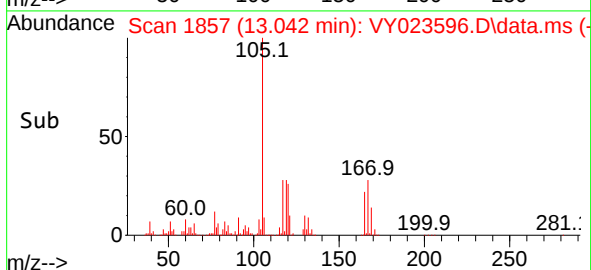
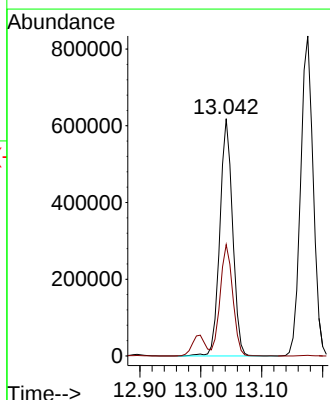
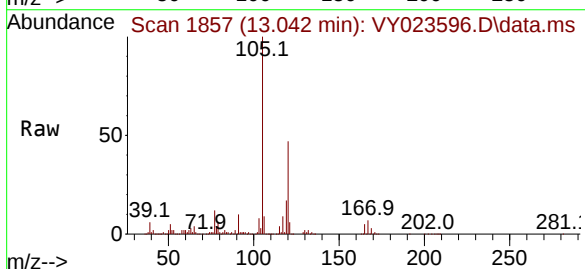
Acq: 27 Oct 2025 15:47

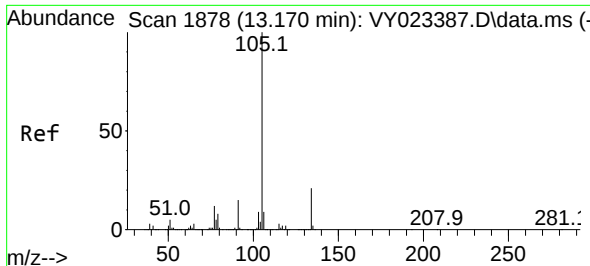
Tgt Ion:105 Resp: 899395

Ion Ratio Lower Upper

105 100

120 46.2 23.8 71.2

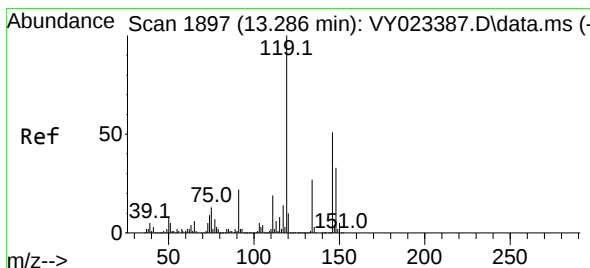
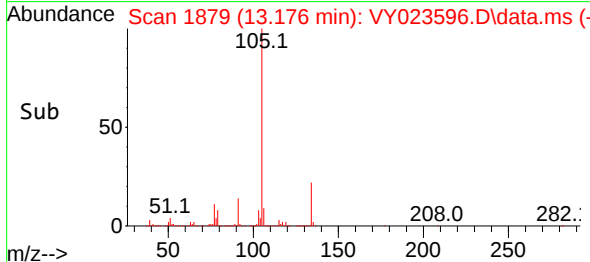
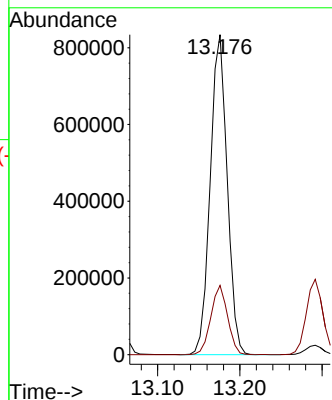
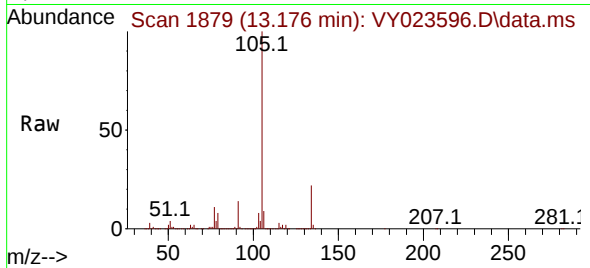




#85
 sec-Butylbenzene
 Concen: 50.983 ug/l
 RT: 13.176 min Scan# 1878
 Delta R.T. 0.006 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

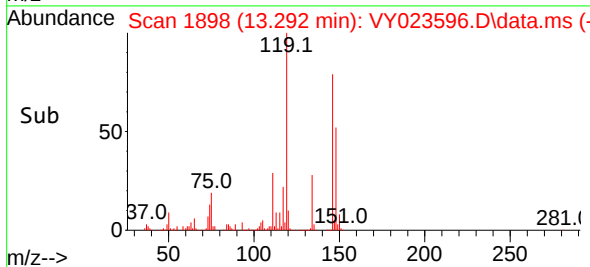
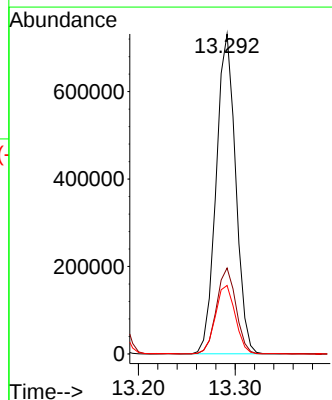
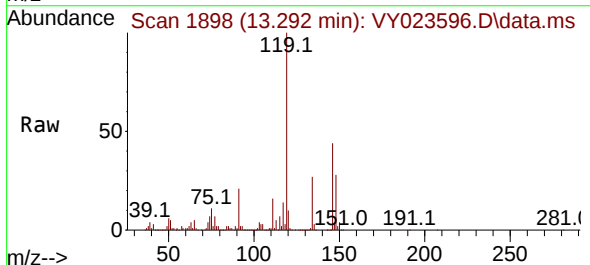
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

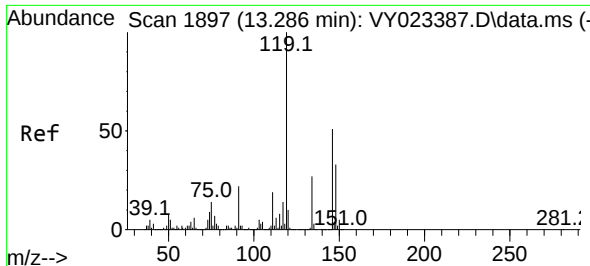
Tgt Ion:105 Resp: 1193749
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 51.189 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

Tgt Ion:119 Resp: 1020500
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 21.9 10.9 32.9

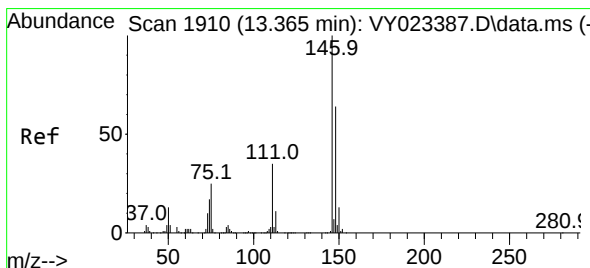
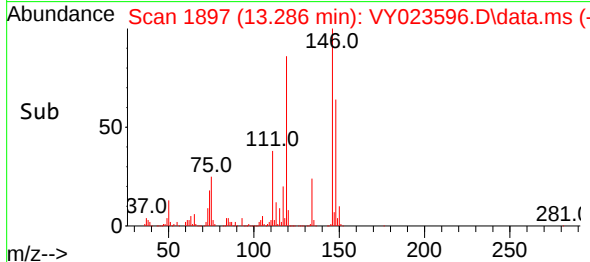
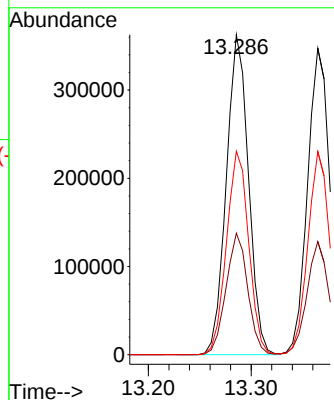
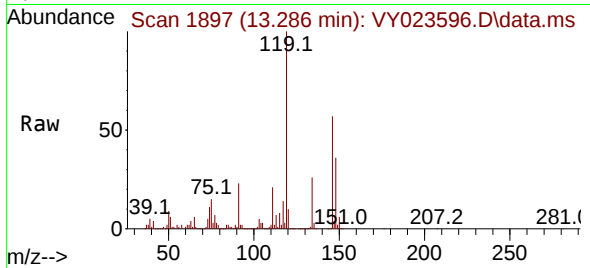




#87
1,3-Dichlorobenzene
Concen: 48.018 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

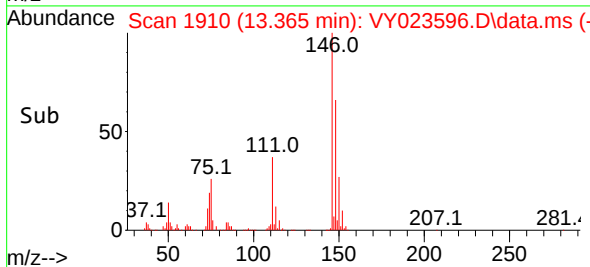
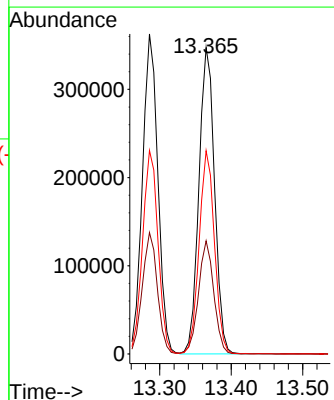
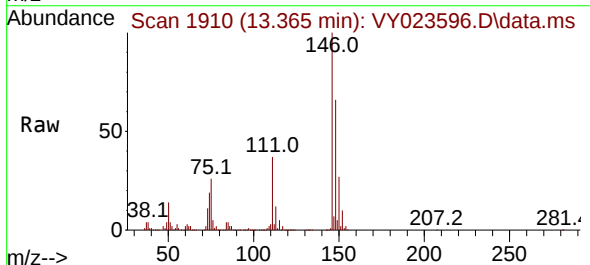
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

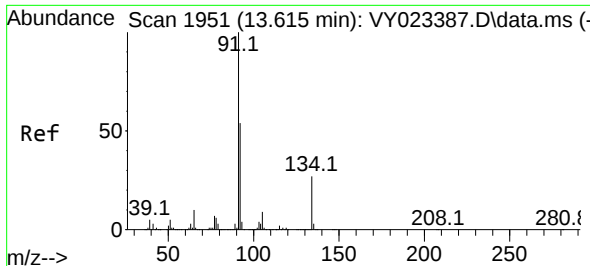
Tgt Ion:146 Resp: 543843
Ion Ratio Lower Upper
146 100
111 37.2 18.7 56.1
148 63.8 31.9 95.9



#88
1,4-Dichlorobenzene
Concen: 47.149 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion:146 Resp: 527394
Ion Ratio Lower Upper
146 100
111 36.2 18.0 54.0
148 64.9 31.9 95.7





#89

n-Butylbenzene

Concen: 50.429 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

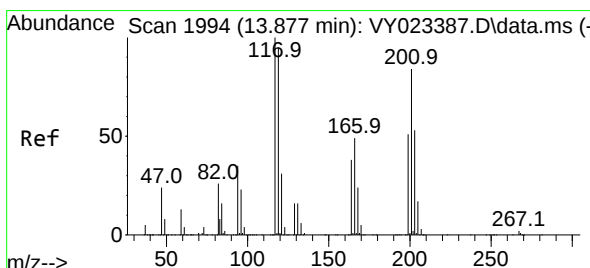
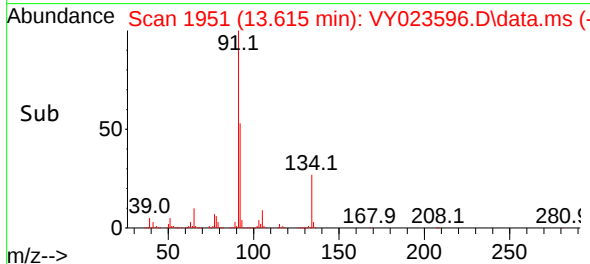
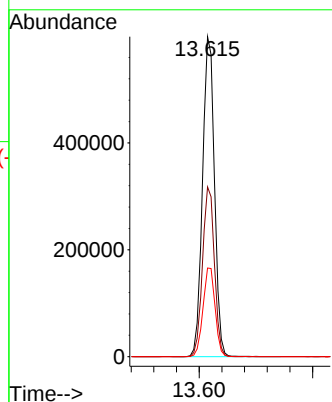
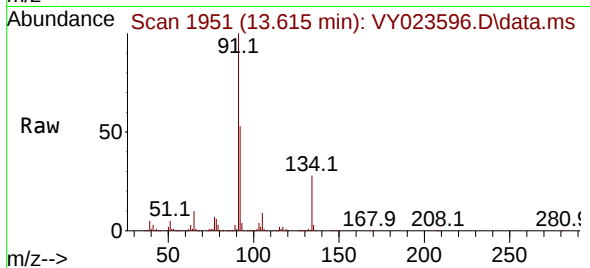
Tgt Ion: 91 Resp: 875982

Ion Ratio Lower Upper

91 100

92 53.1 27.0 80.8

134 28.1 14.1 42.2



#90

Hexachloroethane

Concen: 49.148 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023596.D

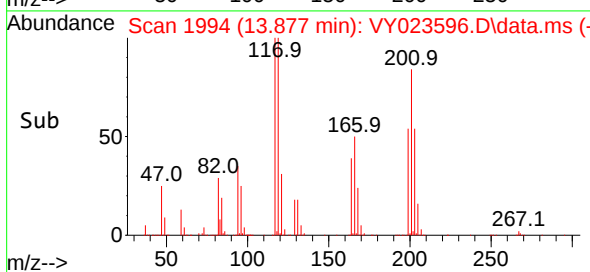
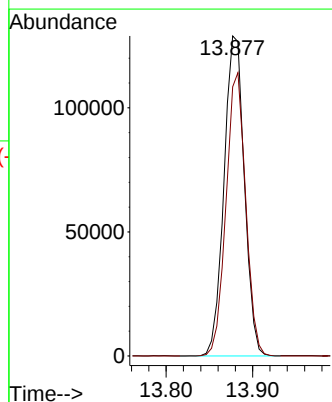
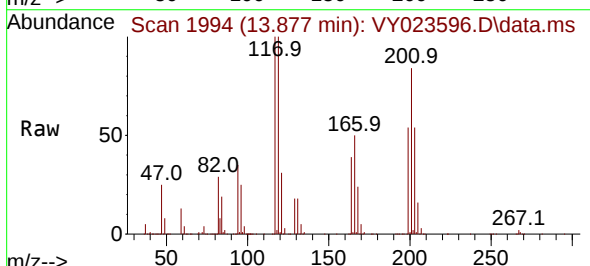
Acq: 27 Oct 2025 15:47

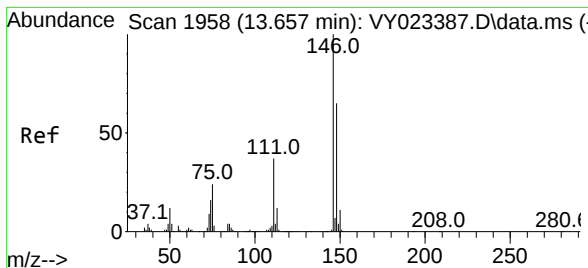
Tgt Ion: 117 Resp: 210738

Ion Ratio Lower Upper

117 100

201 85.3 43.8 131.4

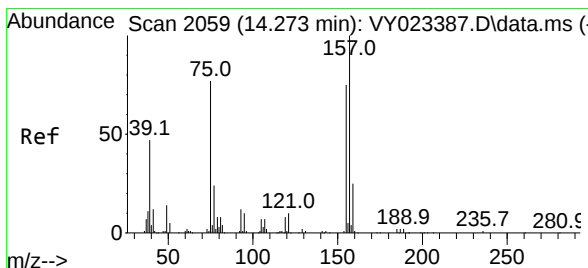
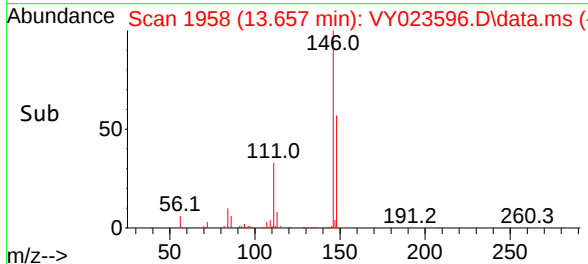
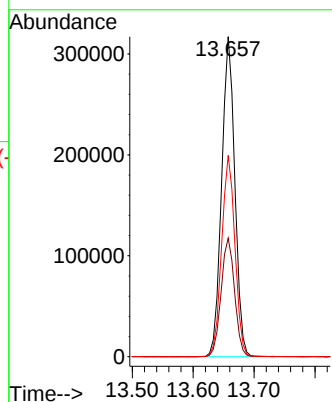
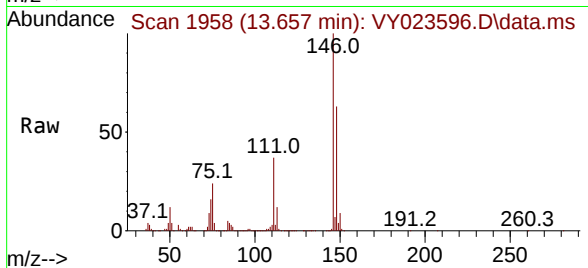




#91
 1,2-Dichlorobenzene
 Concen: 47.953 ug/l
 RT: 13.657 min Scan# 1958
 Delta R.T. 0.000 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

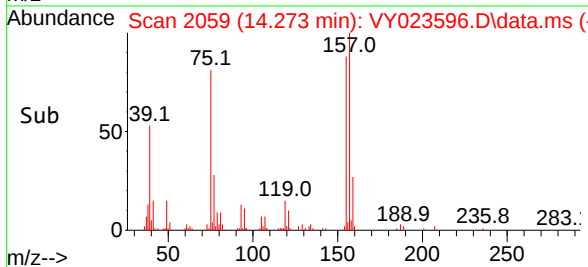
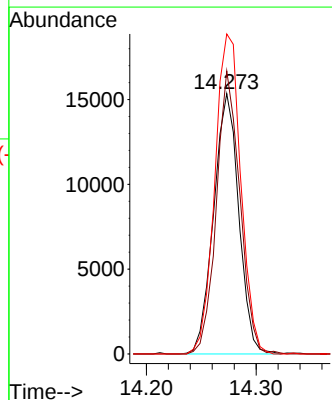
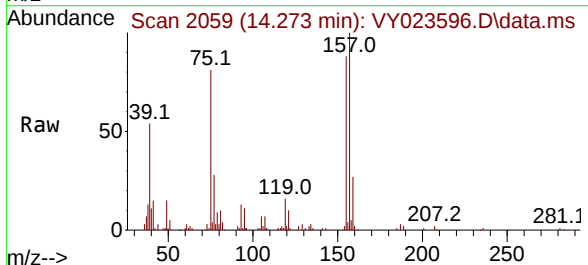
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

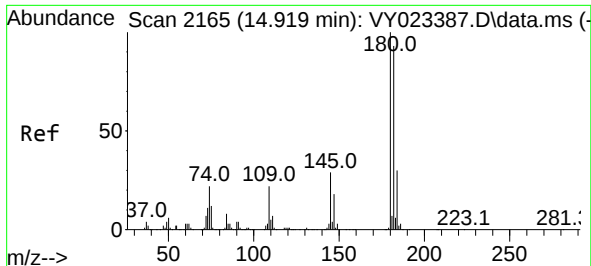
Tgt Ion:146 Resp: 476150
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.0 57.0
 148 63.5 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.701 ug/l
 RT: 14.273 min Scan# 2059
 Delta R.T. -0.000 min
 Lab File: VY023596.D
 Acq: 27 Oct 2025 15:47

Tgt Ion: 75 Resp: 24483
 Ion Ratio Lower Upper
 75 100
 155 101.4 50.0 150.0
 157 127.1 63.8 191.5

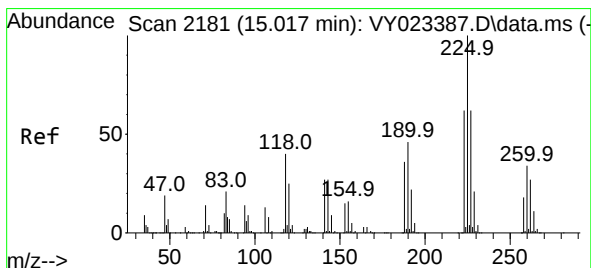
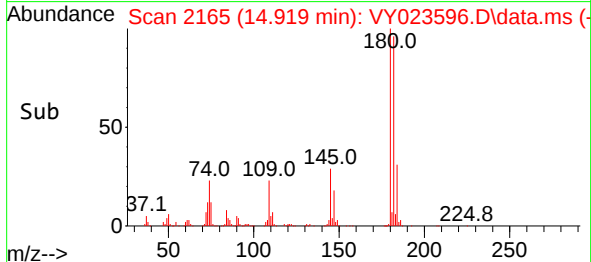
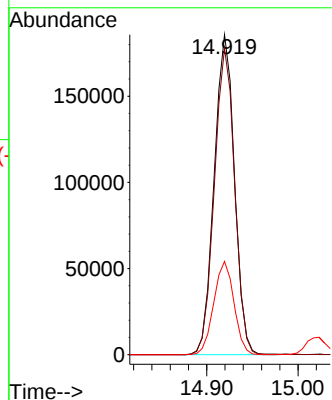
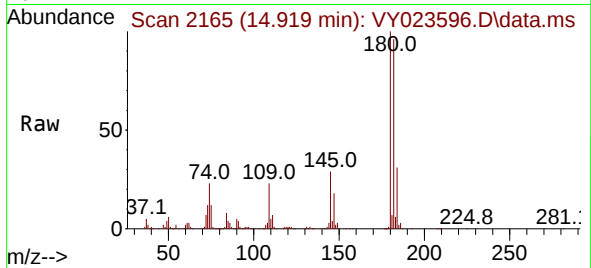




#93
1,2,4-Trichlorobenzene
Concen: 46.214 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

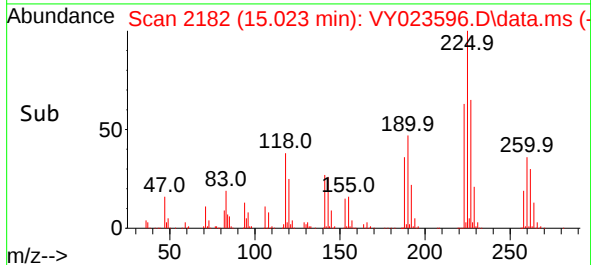
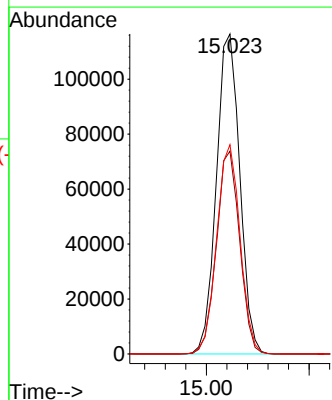
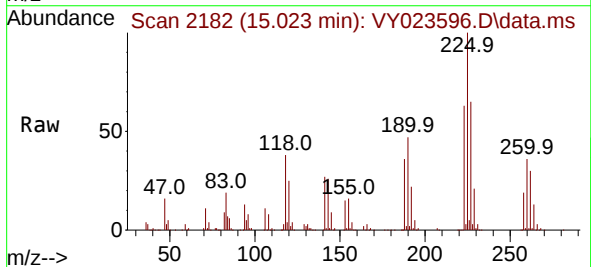
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

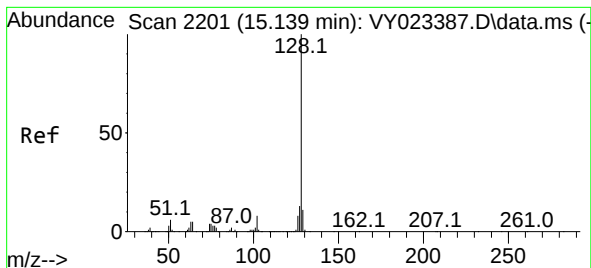
Tgt Ion:180 Resp: 286080
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 29.0 14.7 44.1



#94
Hexachlorobutadiene
Concen: 47.731 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023596.D
Acq: 27 Oct 2025 15:47

Tgt Ion:225 Resp: 184183
Ion Ratio Lower Upper
225 100
223 62.8 30.8 92.3
227 65.3 31.9 95.7





#95

Naphthalene

Concen: 43.185 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

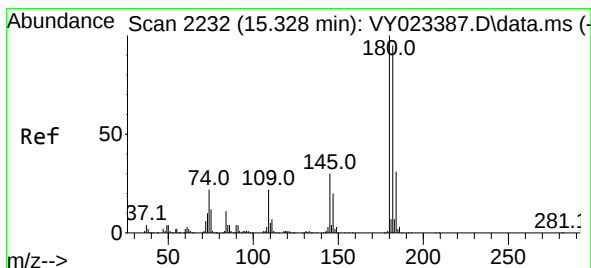
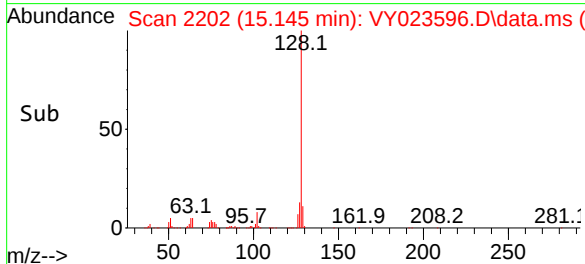
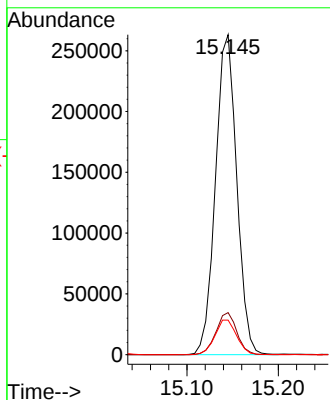
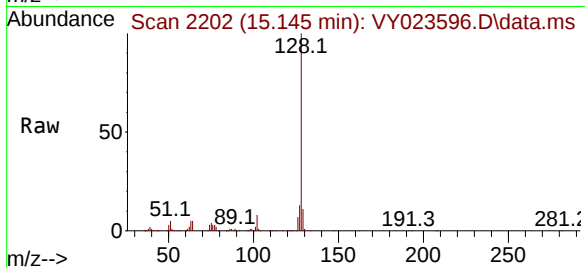
Tgt Ion:128 Resp: 425692

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.2 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 45.364 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023596.D

Acq: 27 Oct 2025 15:47

Tgt Ion:180 Resp: 243238

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.8

145 30.1 15.3 45.9

