

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.080%#
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	35.820%#
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	36.520%#
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.180%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l	99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l #	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l	95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l	98
46) Dibromomethane	9.231	93	28698	19.067	ug/l	97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l	99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l	94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l	98
52) Toluene	10.170	92	133126	19.340	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l	98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l	97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l	98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l	99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l	100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l	97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l	97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l	98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l	98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l	99
69) o-Xylene	11.957	106	87927	19.462	ug/l	98
70) Styrene	11.969	104	147490	19.580	ug/l	99
71) Bromoform	12.133	173	29726	19.706	ug/l #	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l	100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	55725	34.364	ug/l #	100
77) Bromobenzene	12.530	156	55776	19.119	ug/l	99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l	100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l	97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l	100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l	99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l	100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l	98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l	99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l	100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l	99
95) Naphthalene	15.145	128	82325	18.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l	99

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QLast Update : Fri Mar 28 02:08:57 2025
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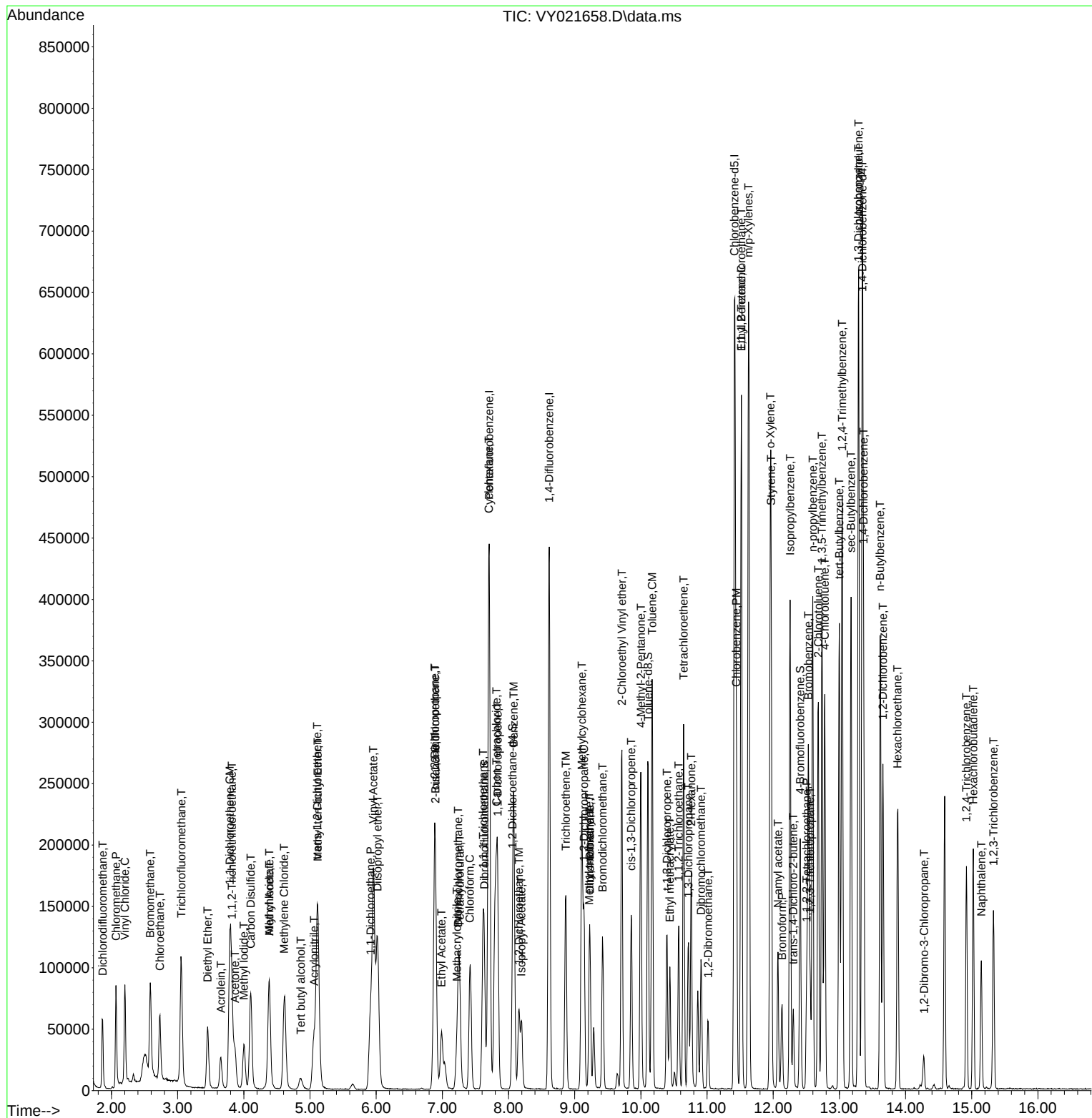
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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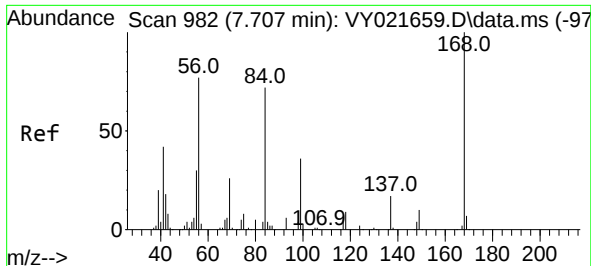
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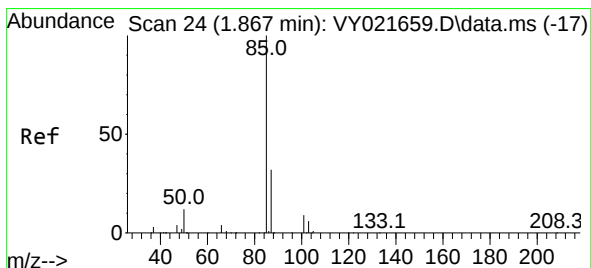
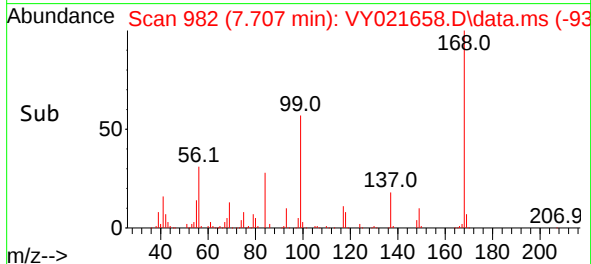
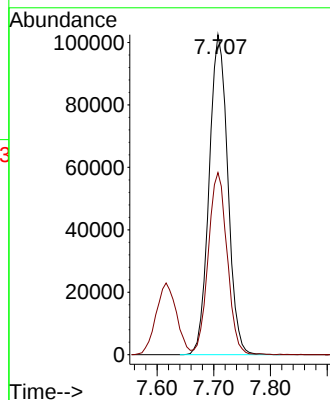
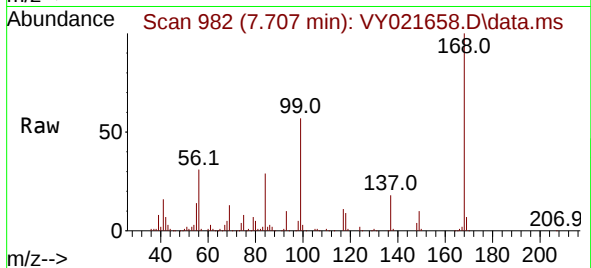




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021658.D
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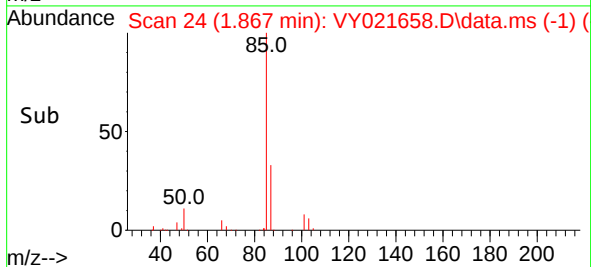
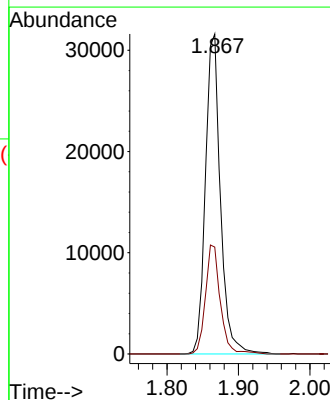
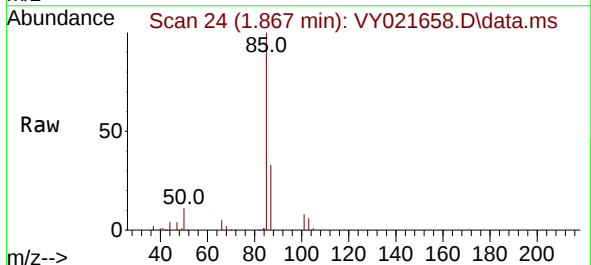
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

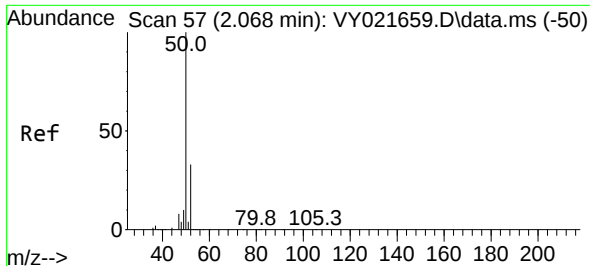
Tgt Ion:168 Resp: 234060
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121
Ion Ratio Lower Upper
85 100
87 33.4 16.2 48.6

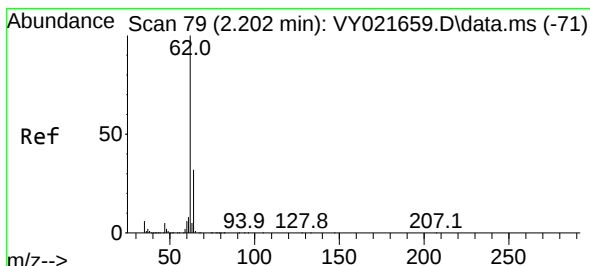
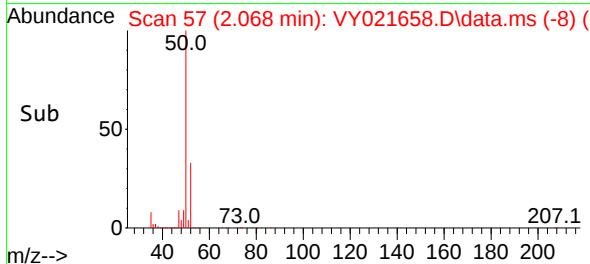
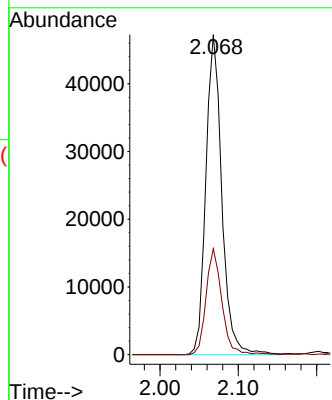
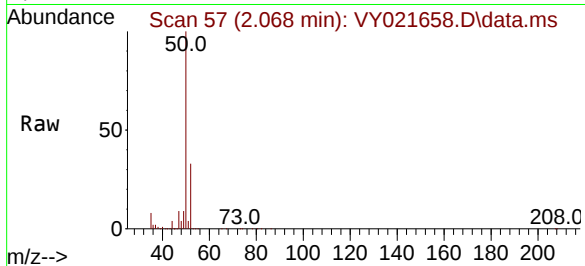




#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

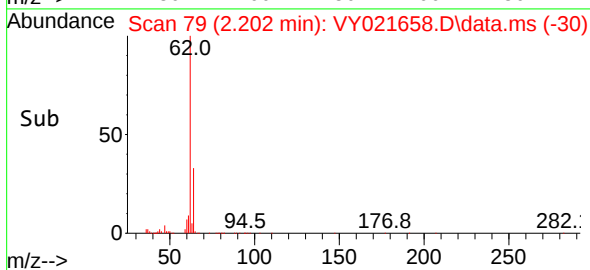
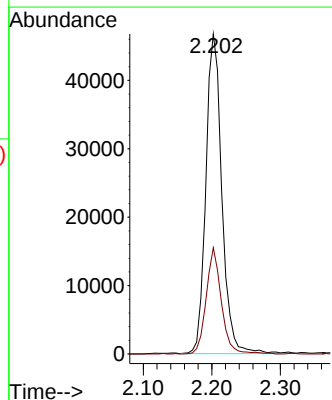
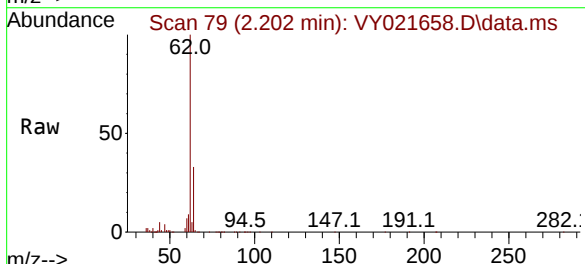
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ClientSampleId :
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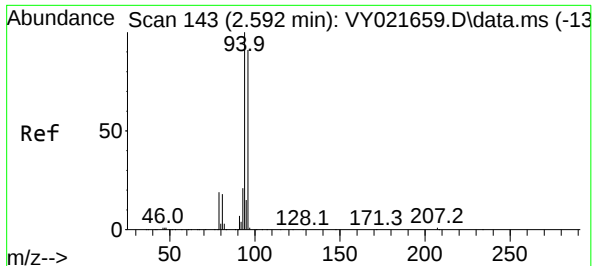
Tgt Ion: 50 Resp: 66775
Ion Ratio Lower Upper
50 100
52 33.1 26.3 39.5



#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 75860
Ion Ratio Lower Upper
62 100
64 33.2 25.5 38.3

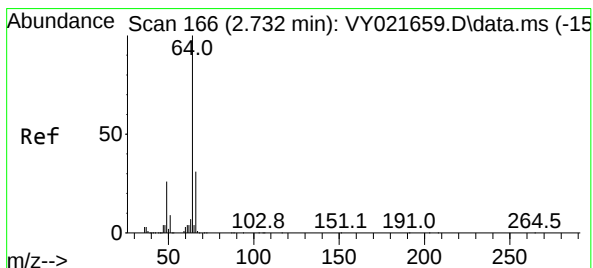
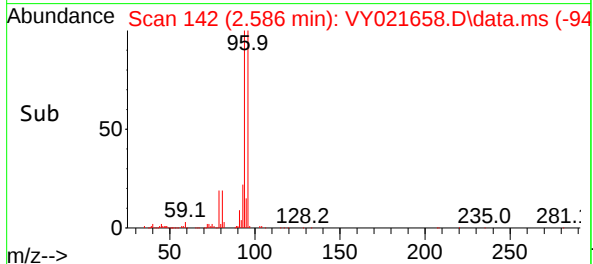
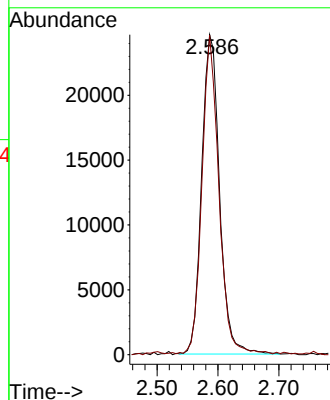
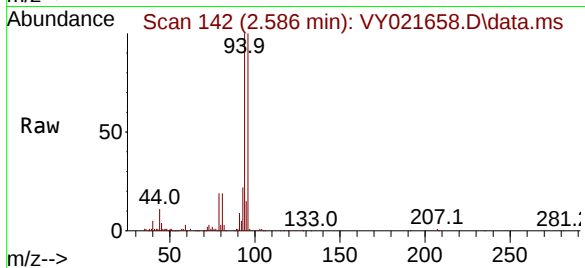




#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY021658.D
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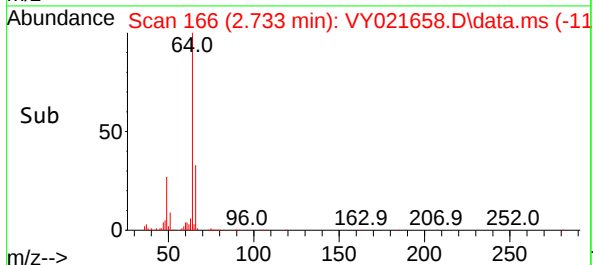
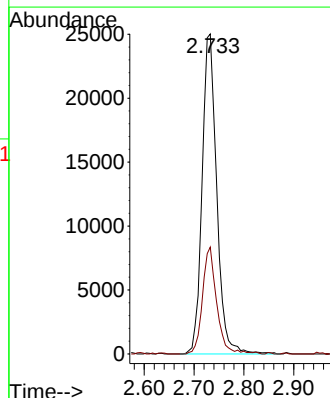
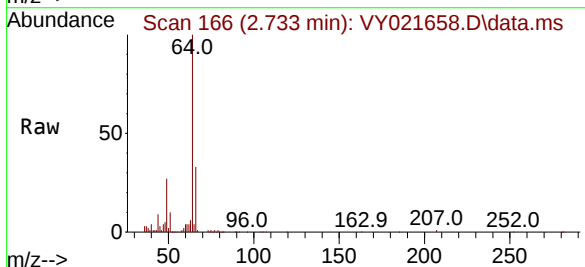
Instrument :
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Tgt Ion: 94 Resp: 50238
Ion Ratio Lower Upper
94 100
96 99.7 72.8 109.2



#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 64 Resp: 50953
Ion Ratio Lower Upper
64 100
66 33.4 24.9 37.3

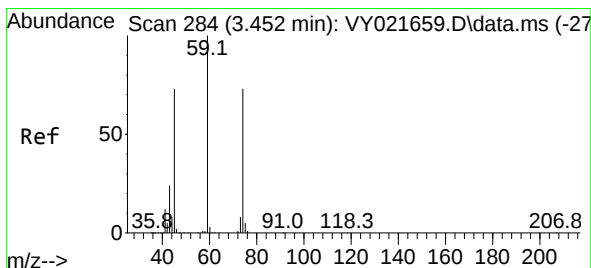
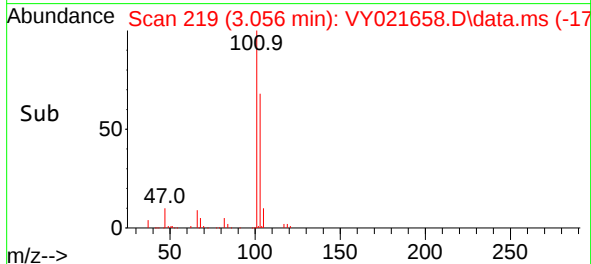
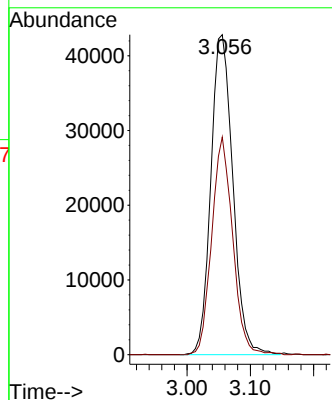
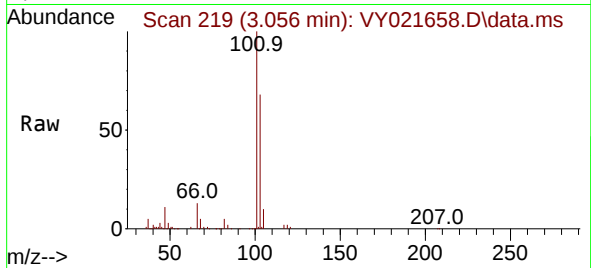




#7
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 3.056 min Scan# 219
Delta R.T. 0.000 min
Lab File: VY021658.D
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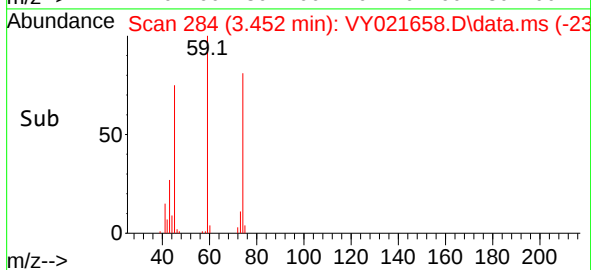
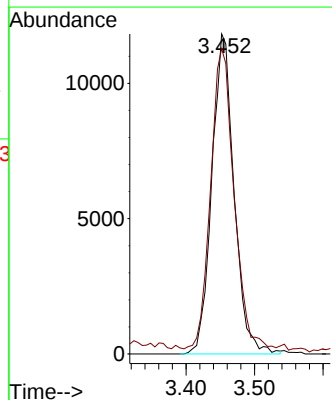
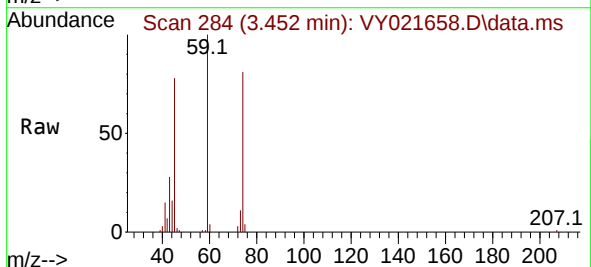
Instrument :
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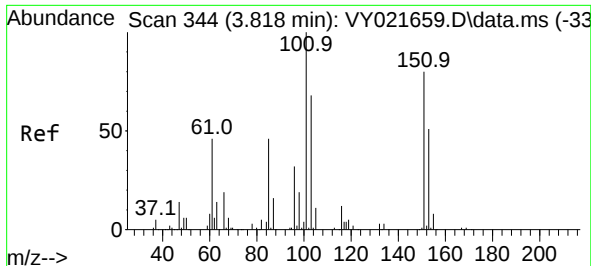
Tgt Ion:101 Resp: 103348
Ion Ratio Lower Upper
101 100
103 68.0 53.1 79.7



#8
Diethyl Ether
Concen: 19.788 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021658.D
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Tgt Ion: 74 Resp: 26594
Ion Ratio Lower Upper
74 100
45 98.3 48.6 145.8

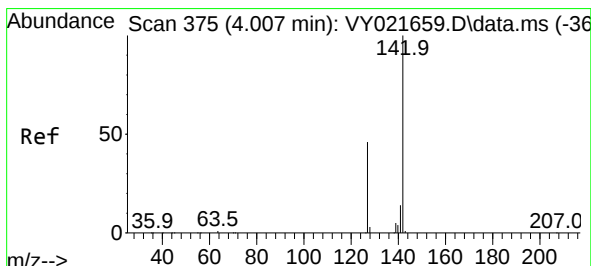
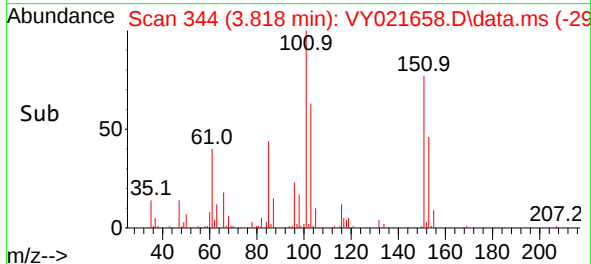
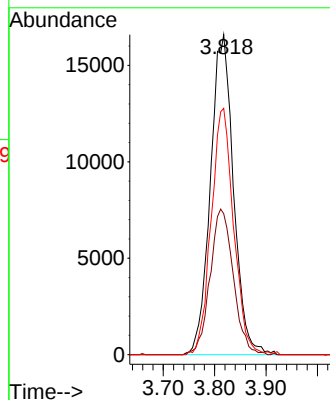
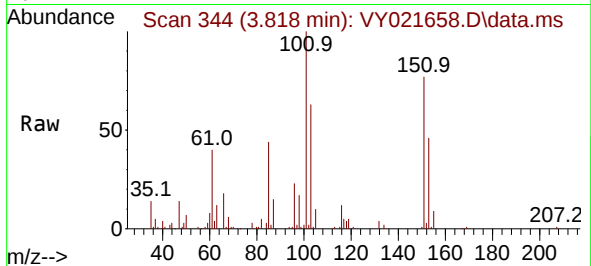




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

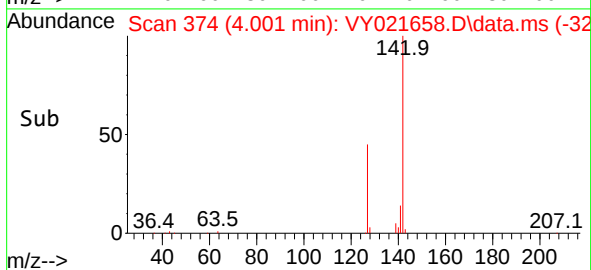
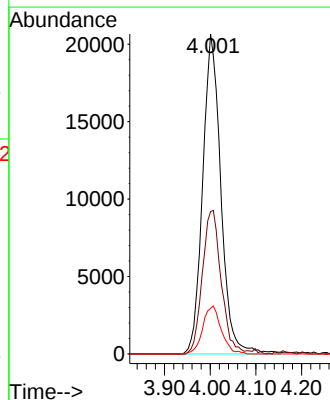
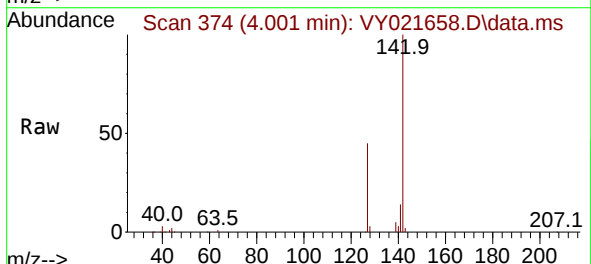
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 51794
Ion Ratio Lower Upper
101 100
85 45.8 36.3 54.5
151 75.2 61.3 91.9



#10
Methyl Iodide
Concen: 19.974 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:142 Resp: 57115
Ion Ratio Lower Upper
142 100
127 46.4 38.7 58.1
141 15.2 11.5 17.3

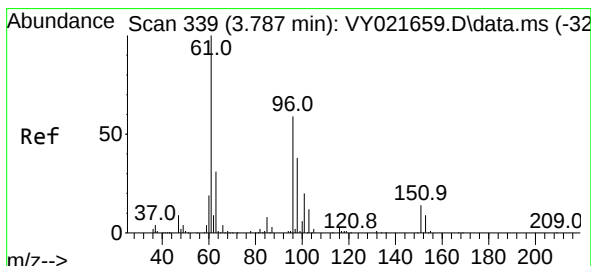
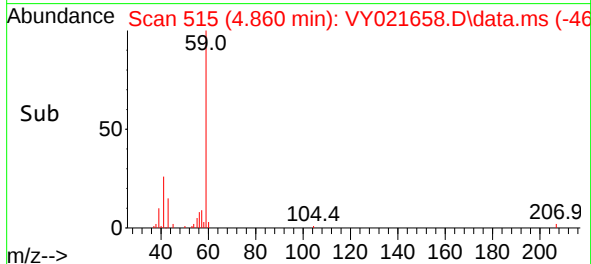
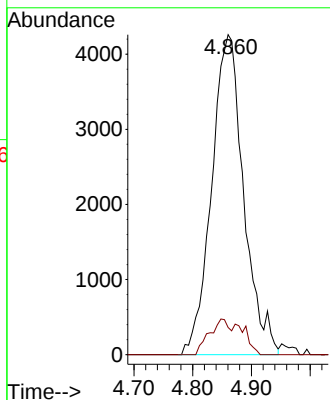
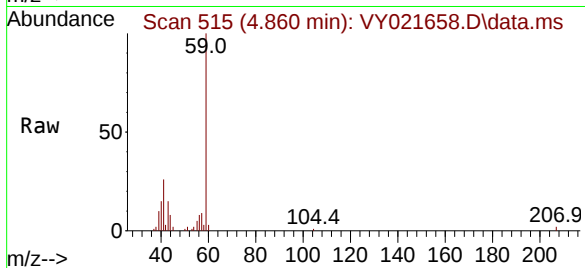




#11
Tert butyl alcohol
Concen: 97.834 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

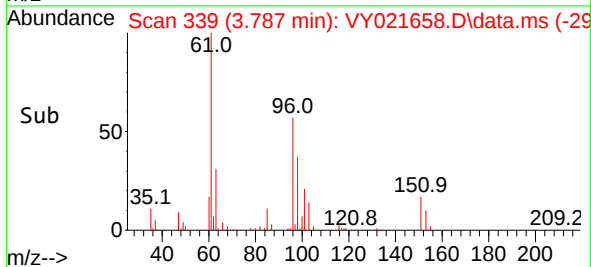
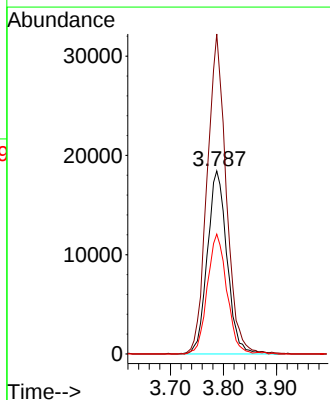
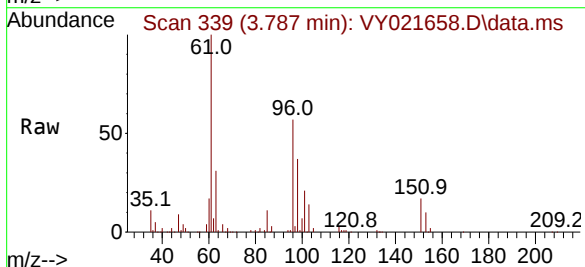
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

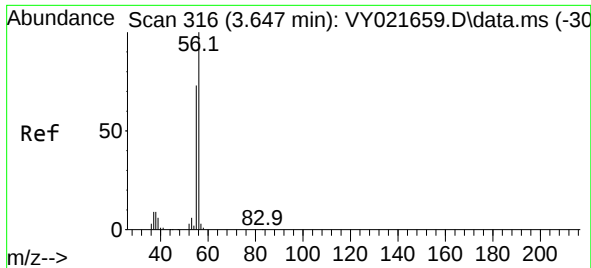
Tgt Ion: 59 Resp: 16115
Ion Ratio Lower Upper
59 100
57 7.2 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 19.362 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 47534
Ion Ratio Lower Upper
96 100
61 174.8 136.6 204.8
98 65.5 52.3 78.5





#13

Acrolein

Concen: 99.170 ug/l

RT: 3.653 min Scan# 316

Delta R.T. 0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

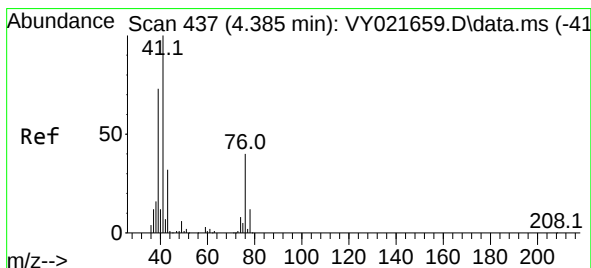
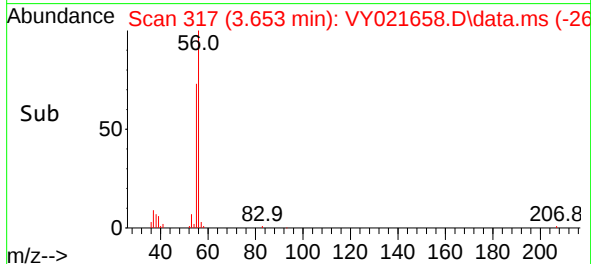
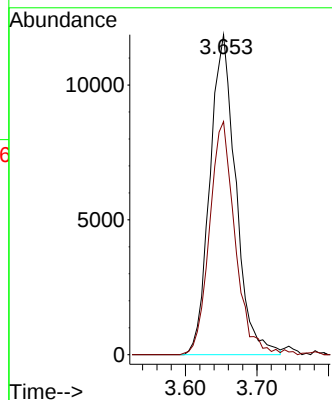
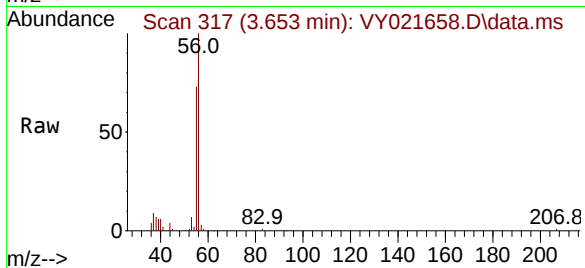
VSTDICC020

Tgt Ion: 56 Resp: 29827

Ion Ratio Lower Upper

56 100

55 71.8 56.6 85.0



#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

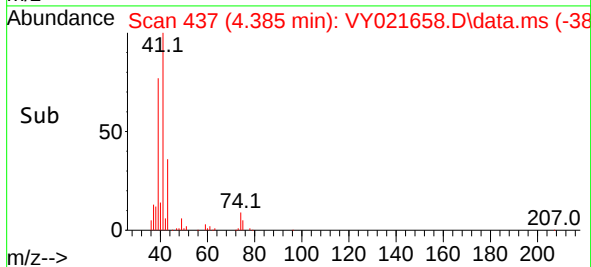
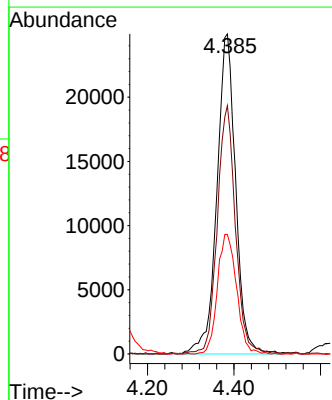
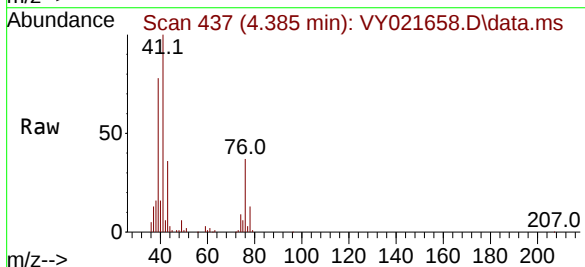
Tgt Ion: 41 Resp: 75169

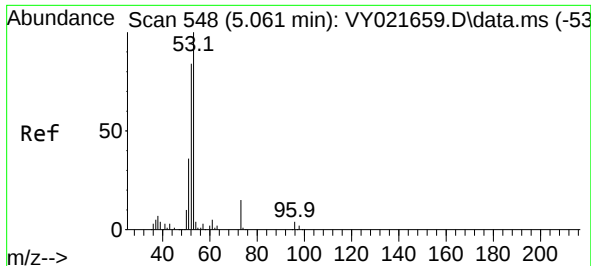
Ion Ratio Lower Upper

41 100

39 75.3 58.6 88.0

76 38.1 30.3 45.5

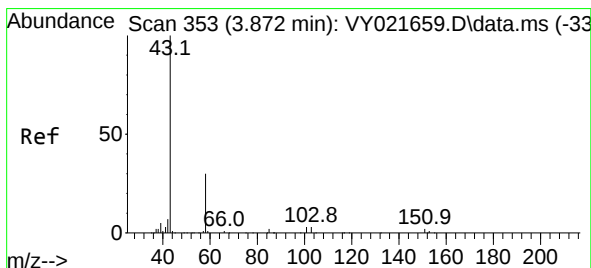
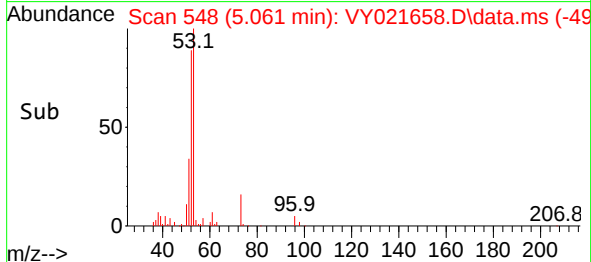
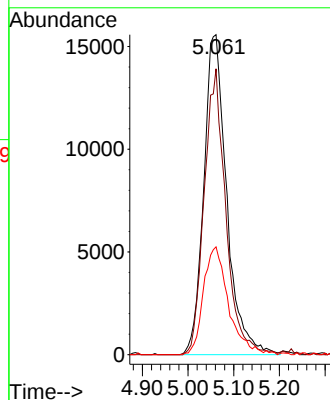
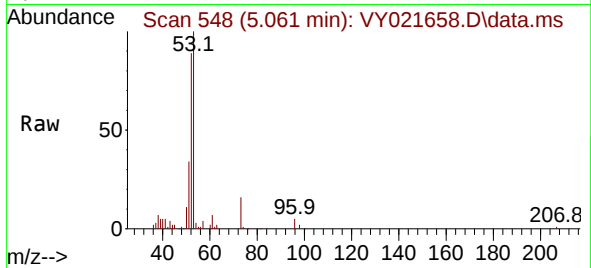




#15
Acrylonitrile
Concen: 97.084 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

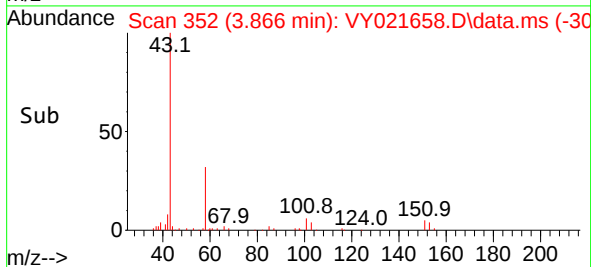
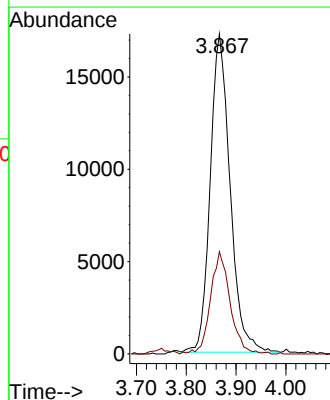
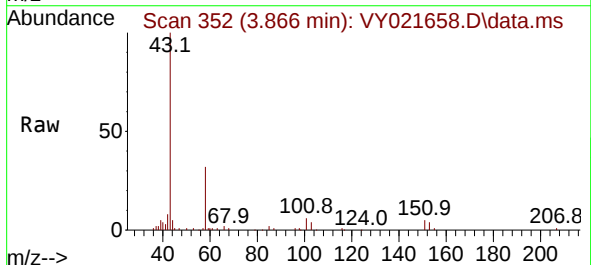
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

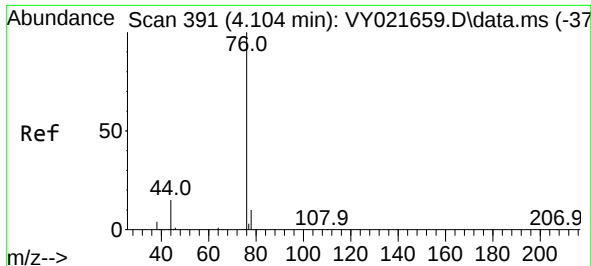
Tgt Ion: 53 Resp: 54478
Ion Ratio Lower Upper
53 100
52 84.1 64.9 97.3
51 36.5 30.2 45.2



#16
Acetone
Concen: 92.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 47787
Ion Ratio Lower Upper
43 100
58 32.1 24.2 36.4

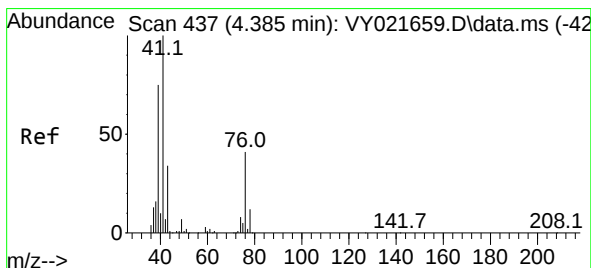
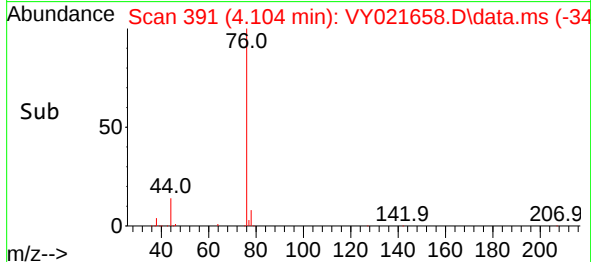
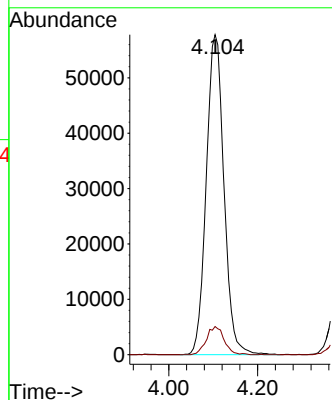
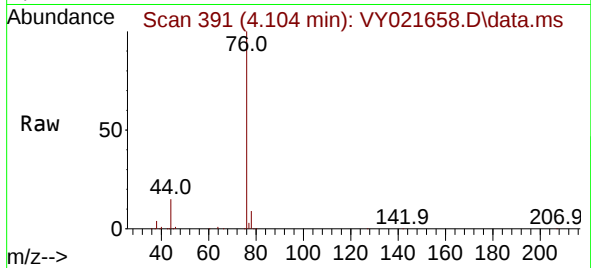




#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

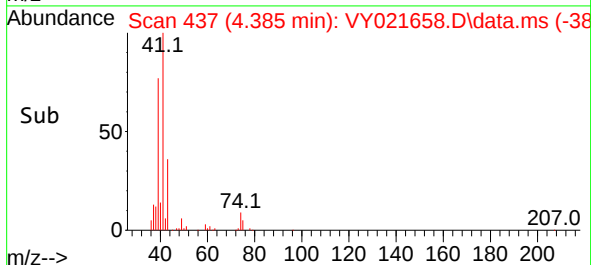
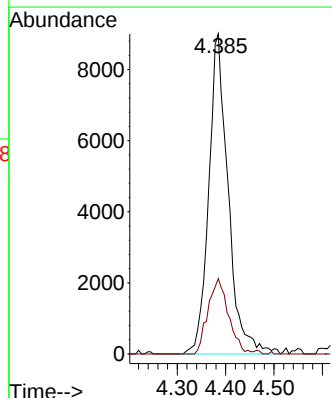
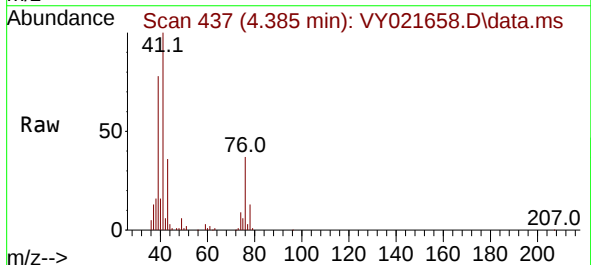
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 159960
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7

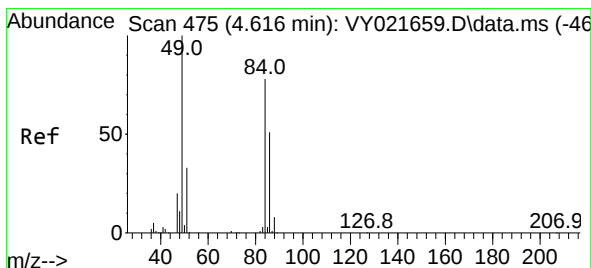
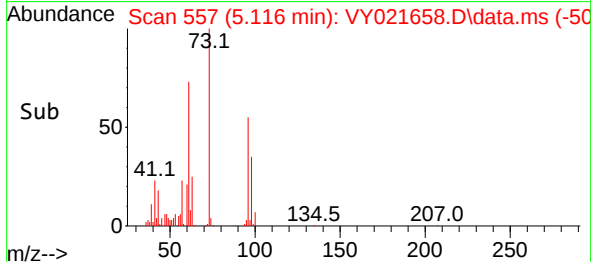
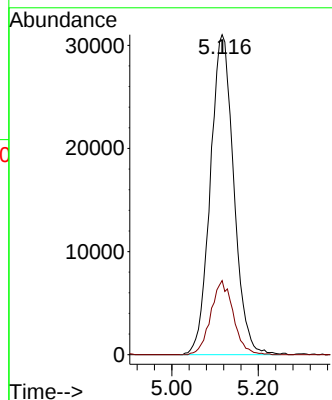
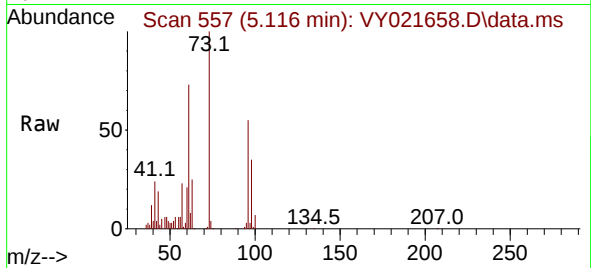




#19
Methyl tert-butyl Ether
Concen: 19.099 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

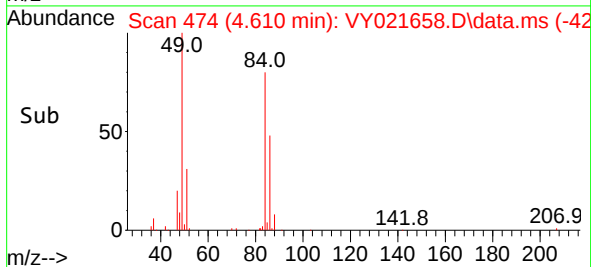
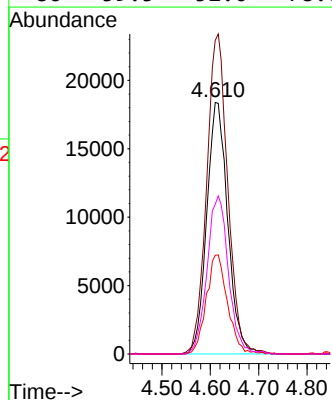
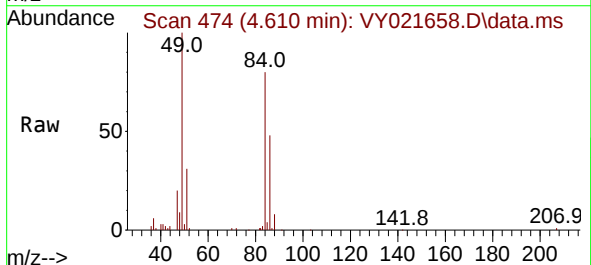
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 116736
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1



#20
Methylene Chloride
Concen: 19.525 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574
Ion Ratio Lower Upper
84 100
49 124.6 102.8 154.2
51 39.2 33.5 50.3
86 59.5 52.0 78.0

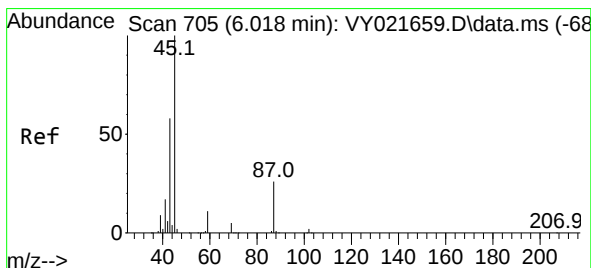
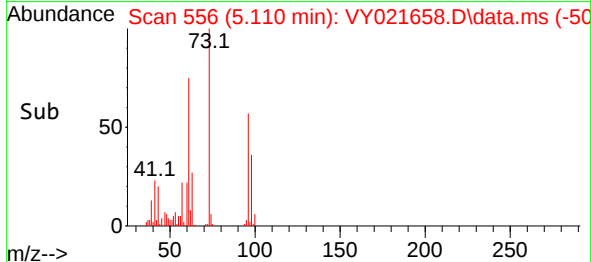
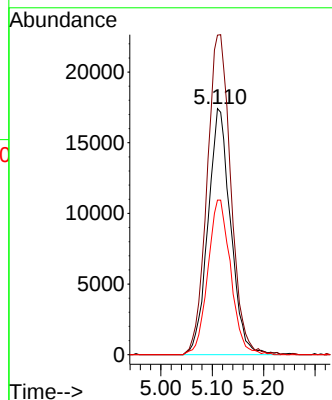
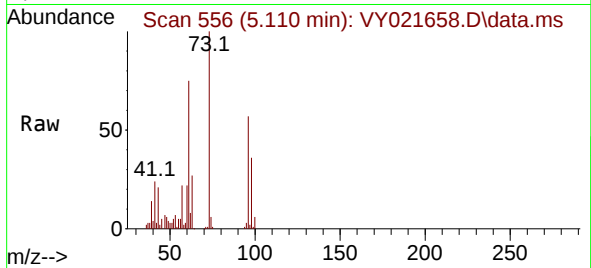




#21
trans-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

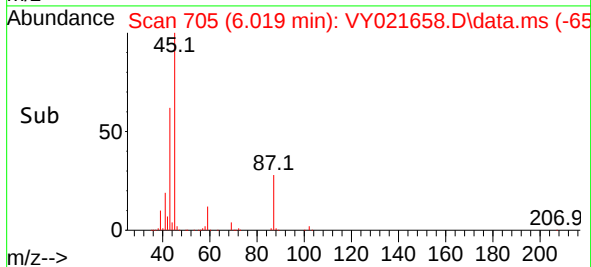
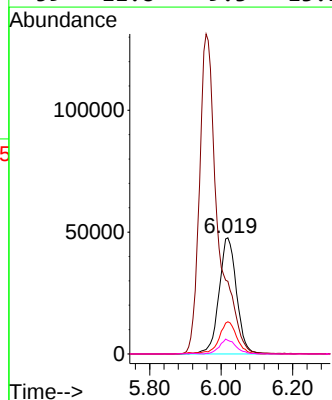
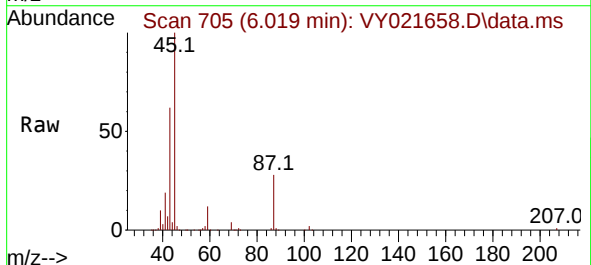
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

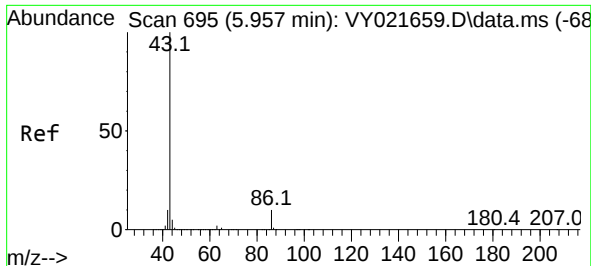
Tgt Ion: 96 Resp: 53188
Ion Ratio Lower Upper
96 100
61 129.9 109.4 164.0
98 62.8 50.2 75.2



#22
Diisopropyl ether
Concen: 19.747 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151
Ion Ratio Lower Upper
45 100
43 62.4 46.6 69.8
87 27.7 20.7 31.1
59 11.8 9.3 13.9

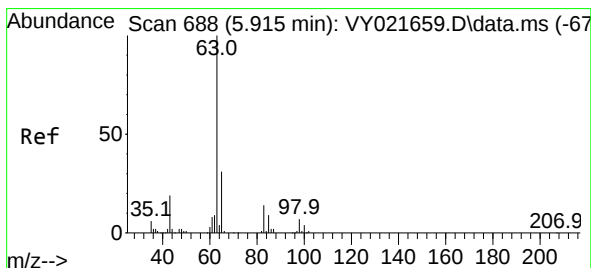
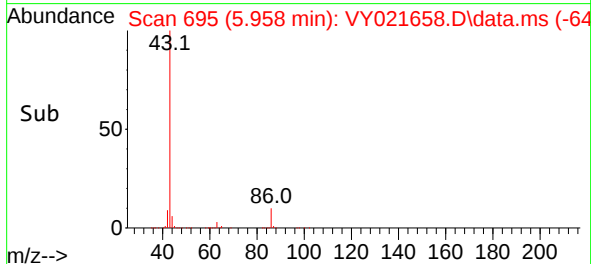
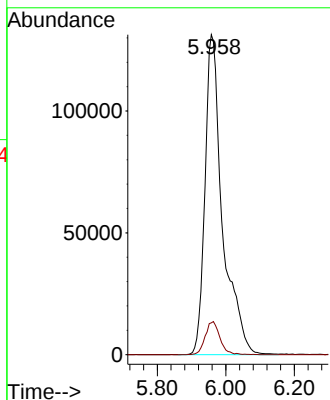
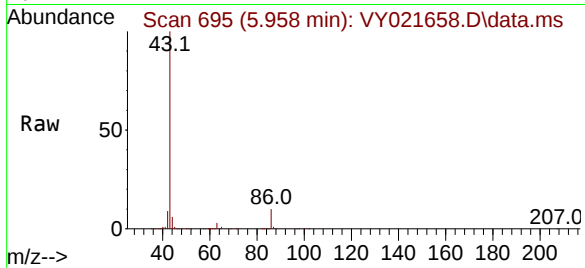




#23
 Vinyl Acetate
 Concen: 97.433 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

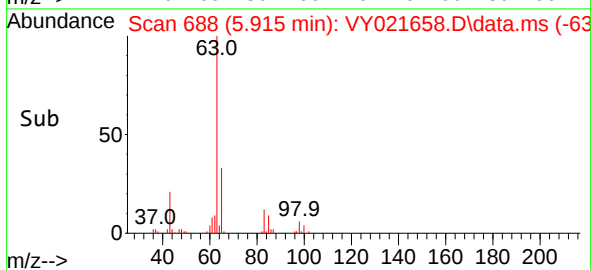
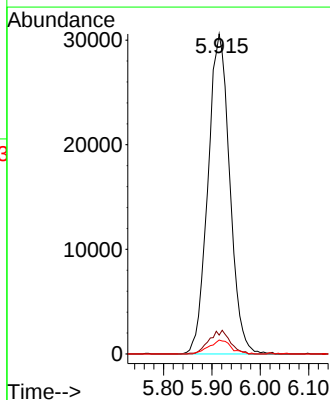
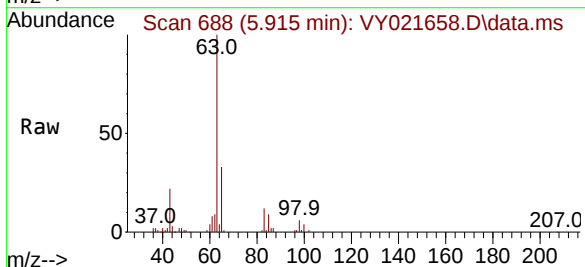
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

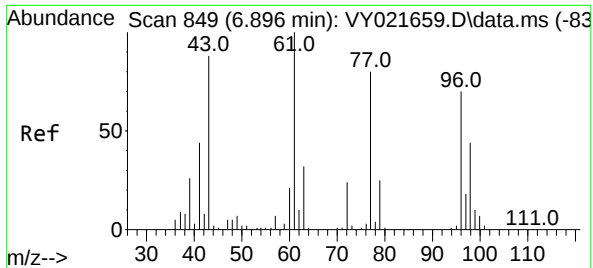
Tgt Ion: 43 Resp: 468035
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 19.520 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 95841
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 94.233 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

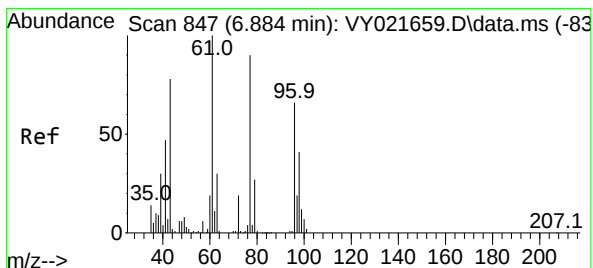
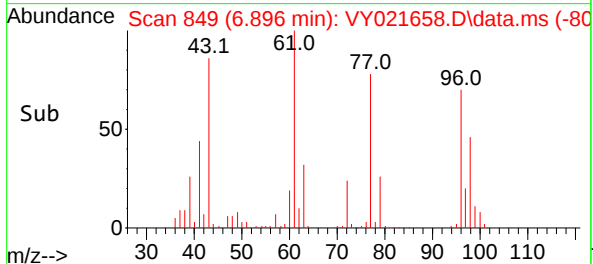
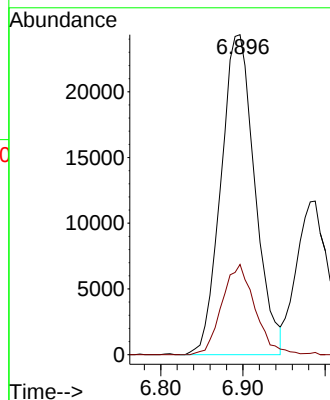
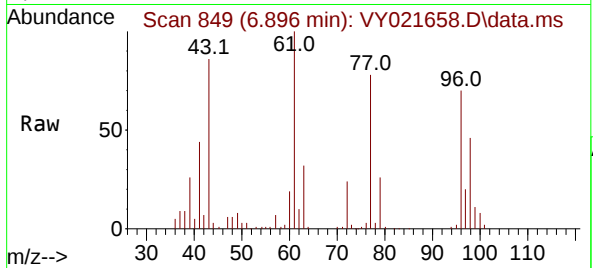
VSTDICC020

Tgt Ion: 43 Resp: 69856

Ion Ratio Lower Upper

43 100

72 28.2 21.4 32.2



#26

2,2-Dichloropropane

Concen: 19.217 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY021658.D

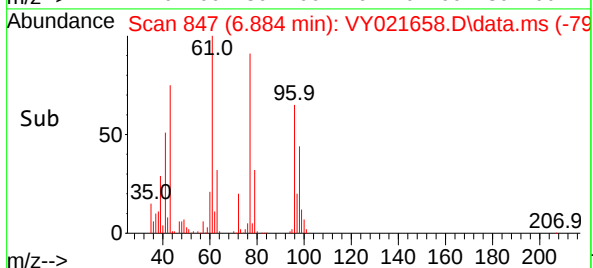
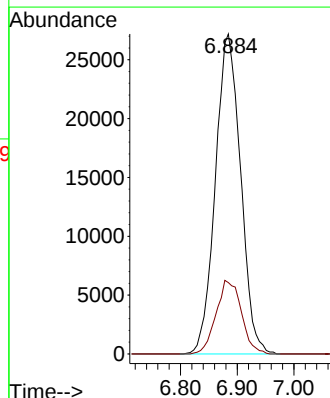
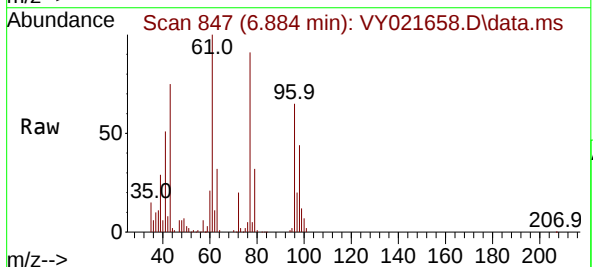
Acq: 27 Mar 2025 10:54

Tgt Ion: 77 Resp: 83932

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.266 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

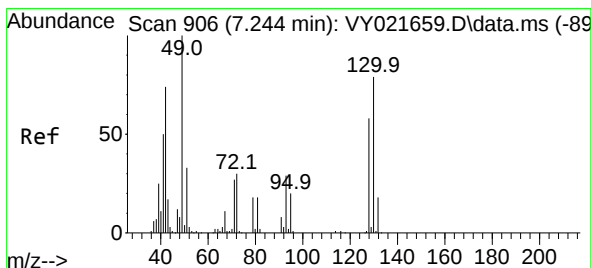
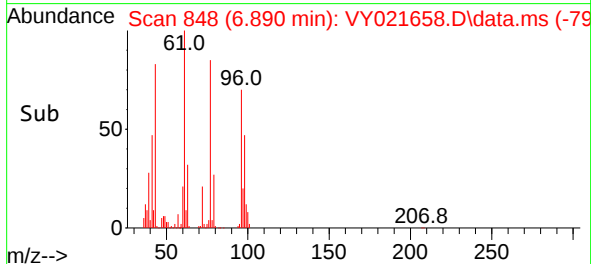
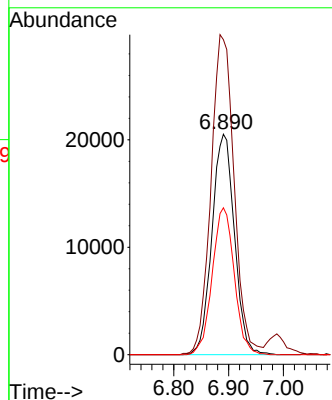
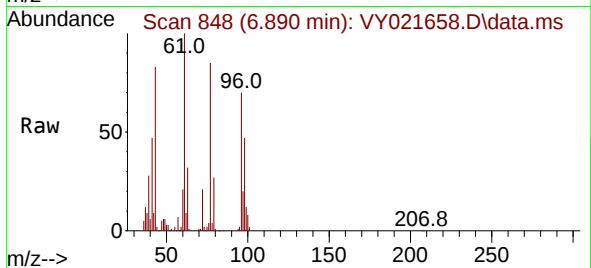
Tgt Ion: 96 Resp: 58567

Ion Ratio Lower Upper

96 100

61 149.2 0.0 296.4

98 65.3 0.0 128.0



#28

Bromochloromethane

Concen: 19.149 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

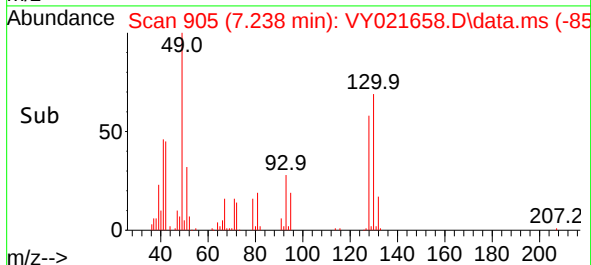
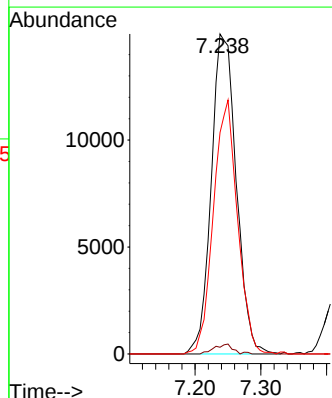
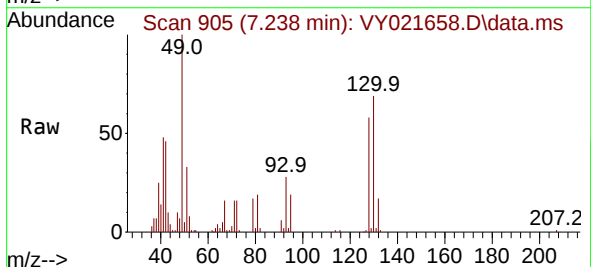
Tgt Ion: 49 Resp: 39653

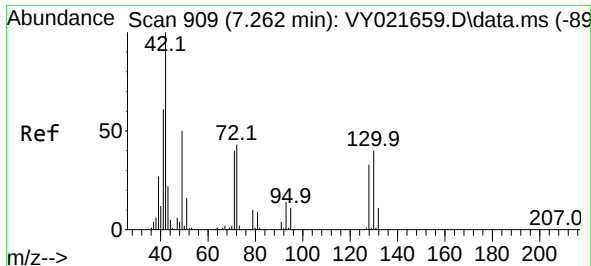
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 76.4 60.1 90.1





#29

Tetrahydrofuran

Concen: 94.626 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

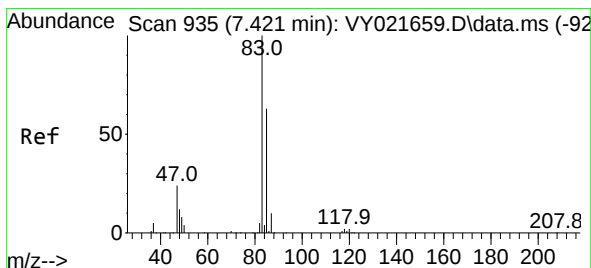
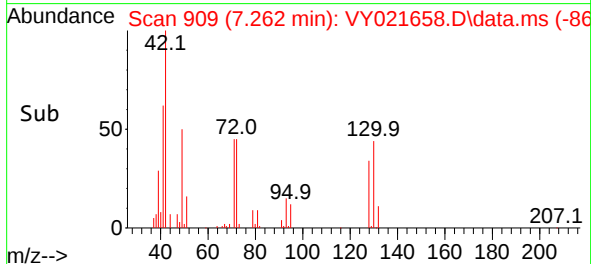
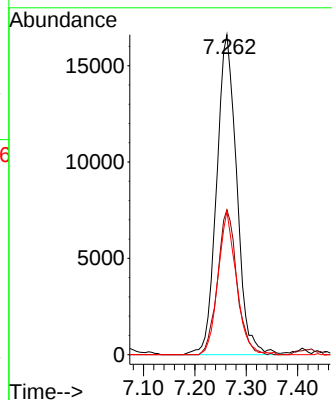
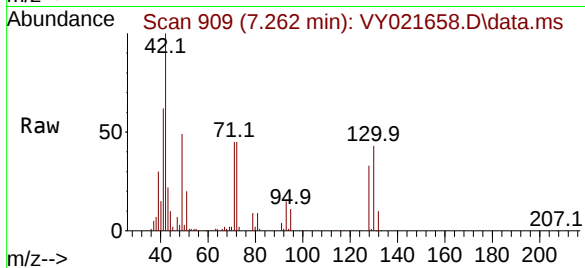
Tgt Ion: 42 Resp: 45146

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

71 41.0 32.5 48.7



#30

Chloroform

Concen: 19.462 ug/l

RT: 7.415 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY021658.D

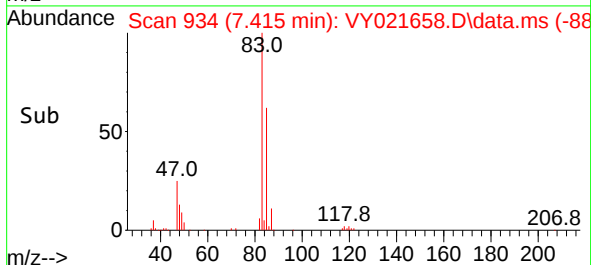
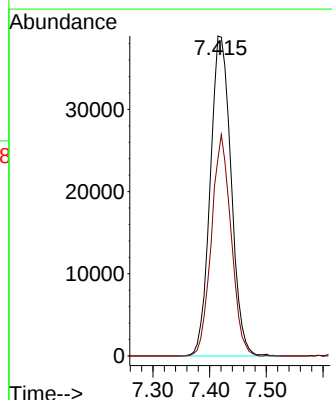
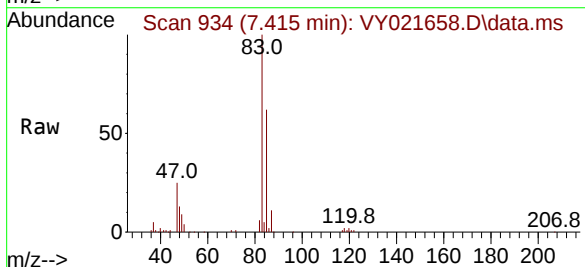
Acq: 27 Mar 2025 10:54

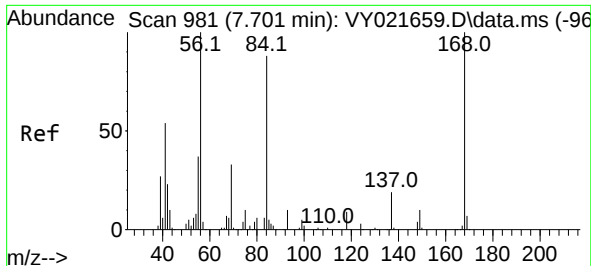
Tgt Ion: 83 Resp: 99390

Ion Ratio Lower Upper

83 100

85 61.7 50.6 75.8

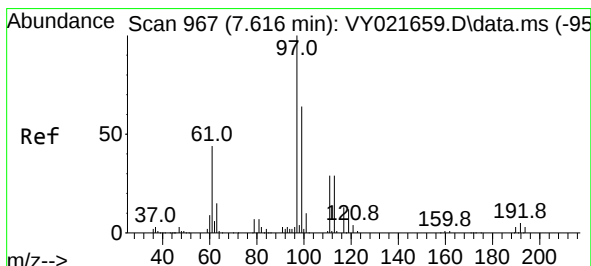
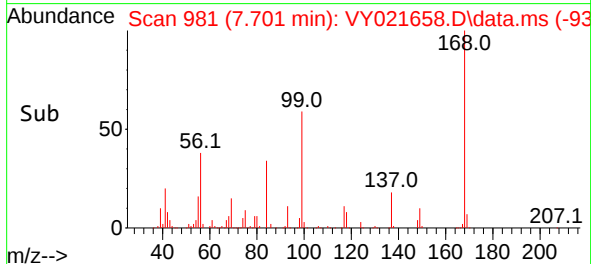
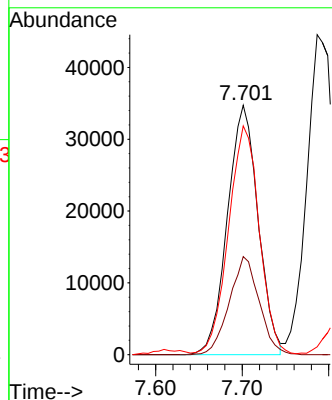
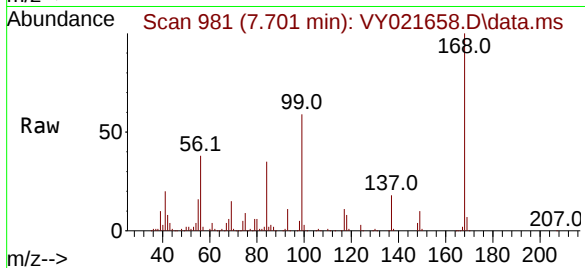




#31
Cyclohexane
Concen: 19.075 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

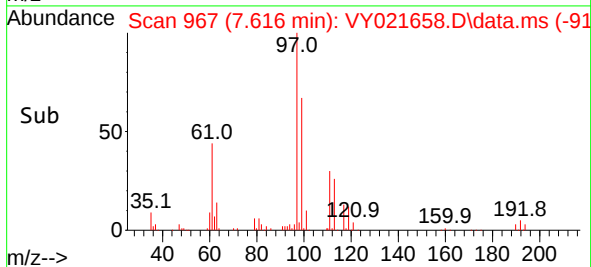
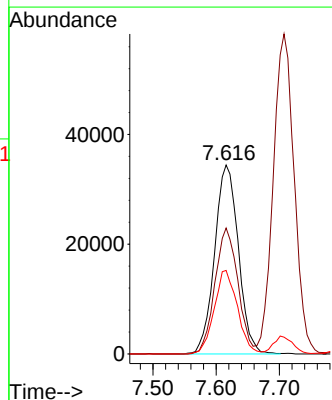
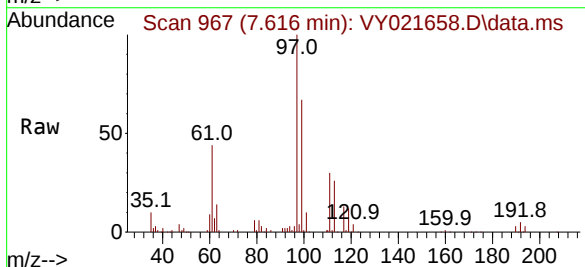
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

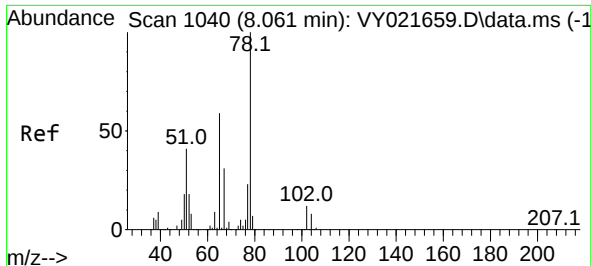
Tgt Ion: 56 Resp: 85377
Ion Ratio Lower Upper
56 100
69 39.3 26.6 40.0
84 90.0 69.0 103.4



#32
1,1,1-Trichloroethane
Concen: 19.459 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 89818
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 18.542 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

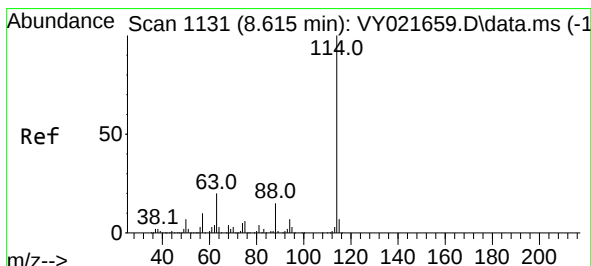
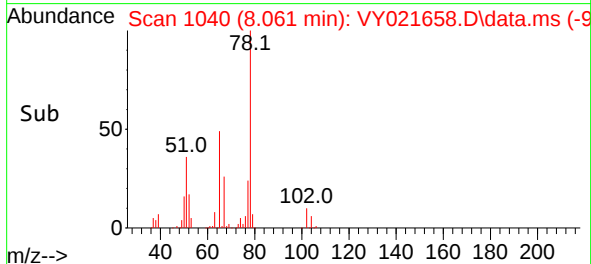
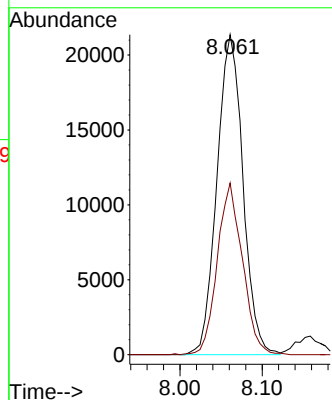
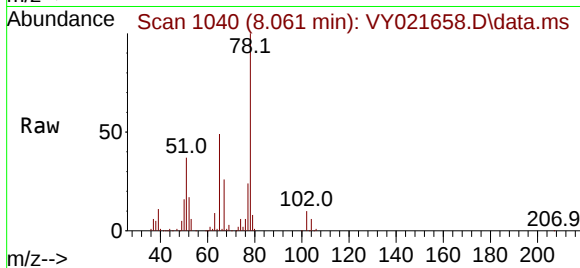
VSTDIC020

Tgt Ion: 65 Resp: 47022

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

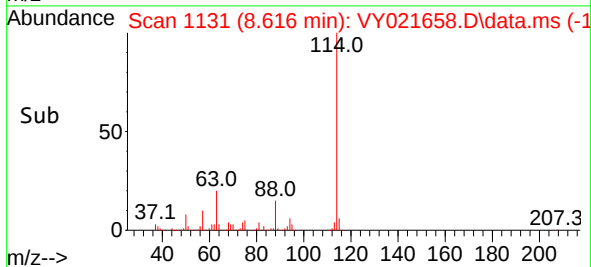
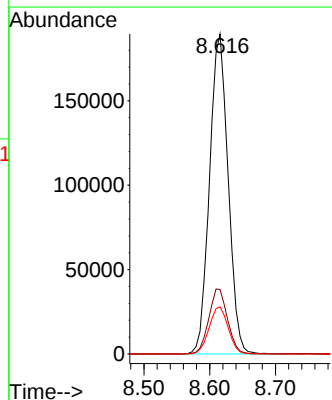
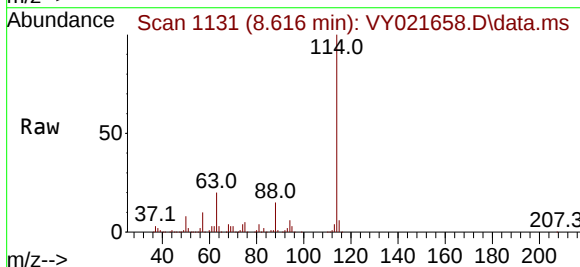
Tgt Ion: 114 Resp: 372865

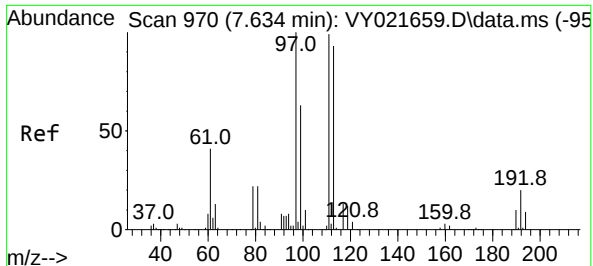
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 17.910 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

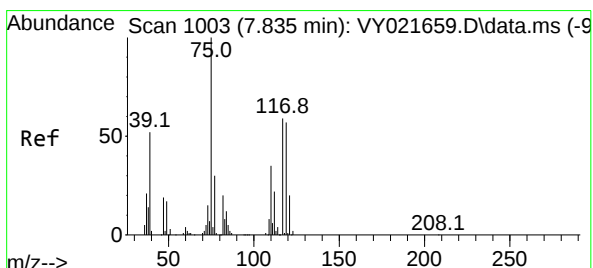
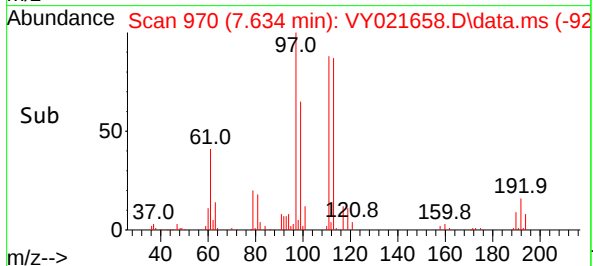
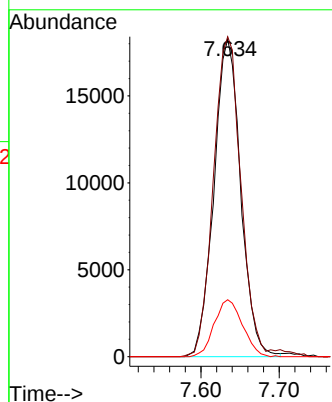
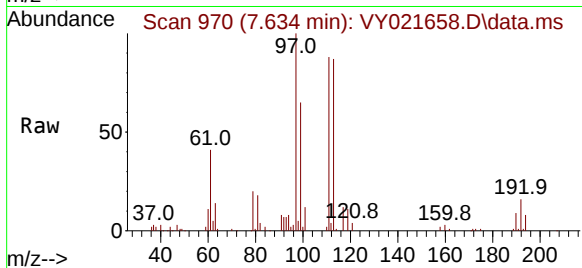
Tgt Ion:113 Resp: 43318

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 19.0 16.2 24.4



#36

1,1-Dichloropropene

Concen: 19.697 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

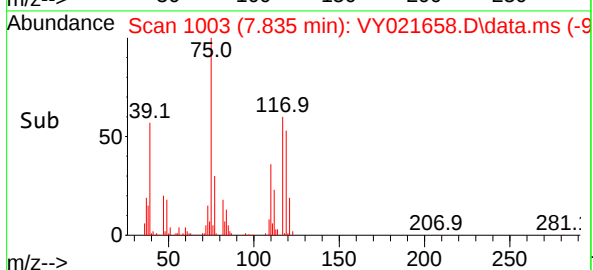
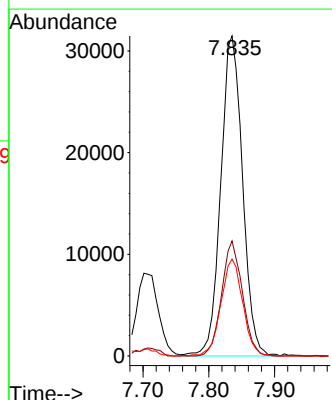
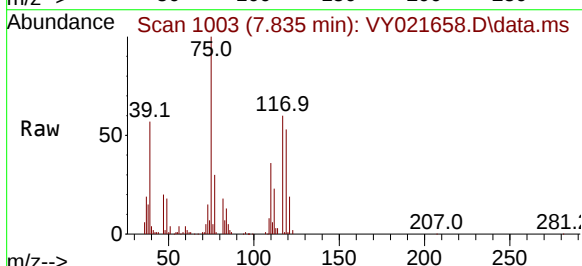
Tgt Ion: 75 Resp: 72566

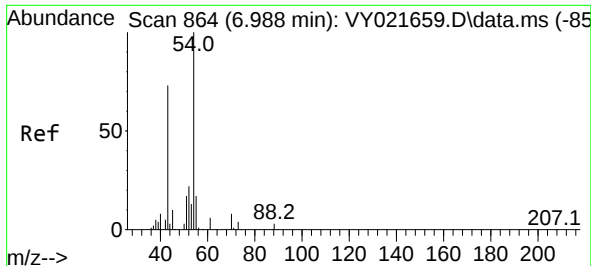
Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

77 30.3 24.8 37.2





#37

Ethyl Acetate

Concen: 18.585 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

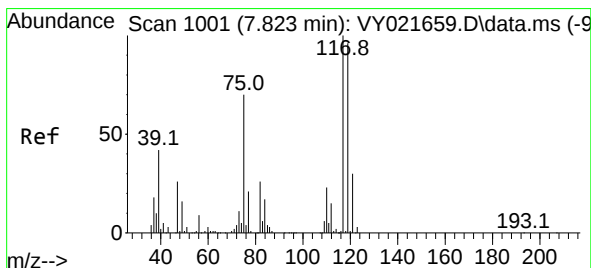
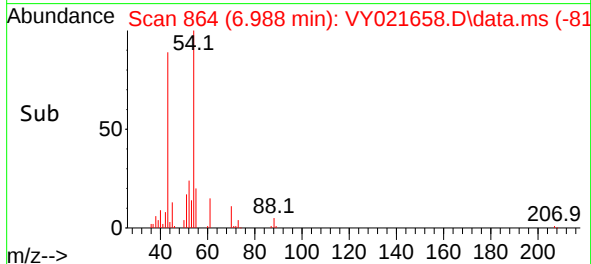
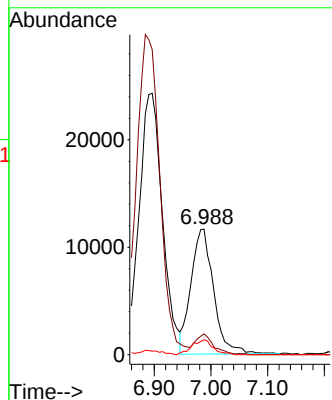
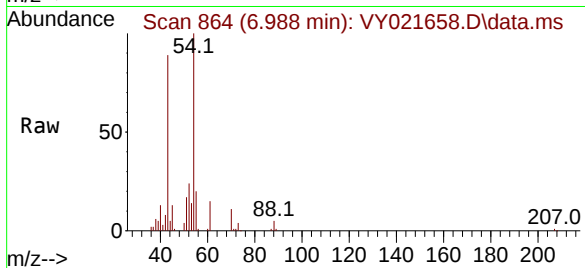
Tgt Ion: 43 Resp: 32313

Ion Ratio Lower Upper

43 100

61 12.1 11.0 16.6

70 10.9 8.1 12.1



#38

Carbon Tetrachloride

Concen: 19.308 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

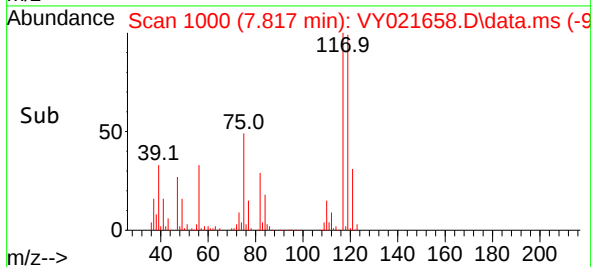
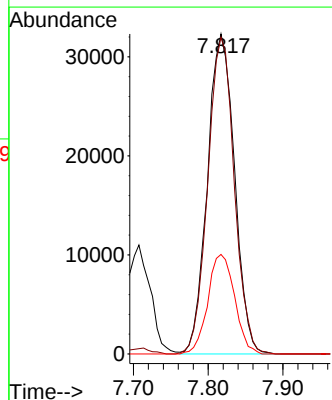
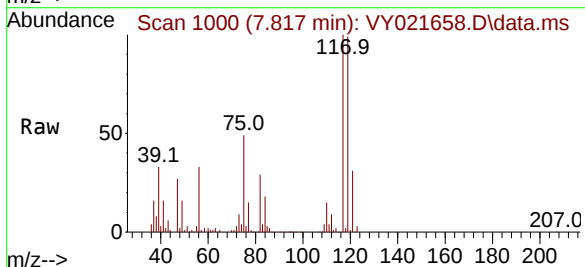
Tgt Ion: 117 Resp: 81472

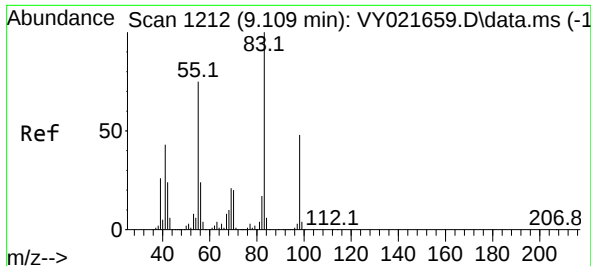
Ion Ratio Lower Upper

117 100

119 99.0 76.2 114.4

121 31.1 24.2 36.4

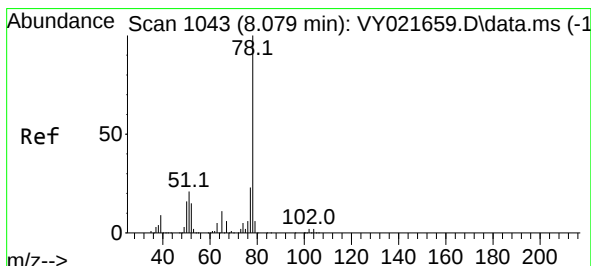
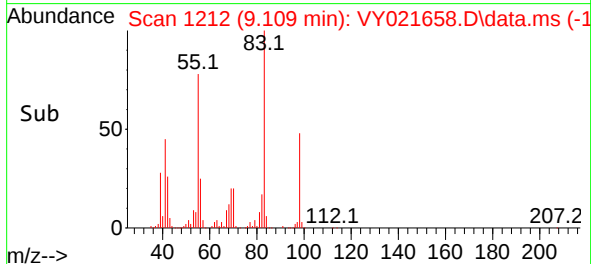
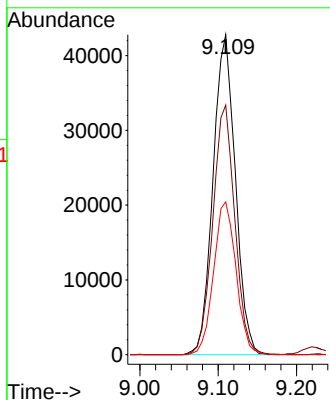
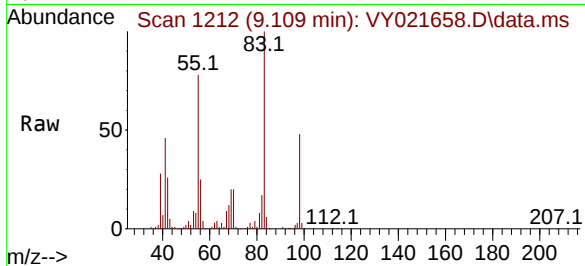




#39
Methylcyclohexane
Concen: 19.269 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

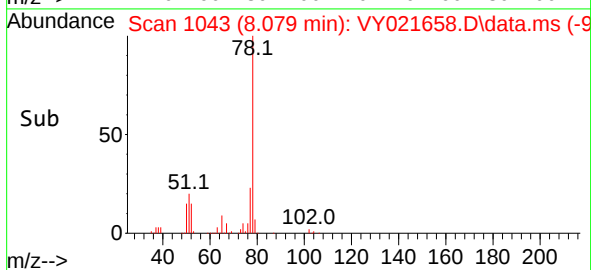
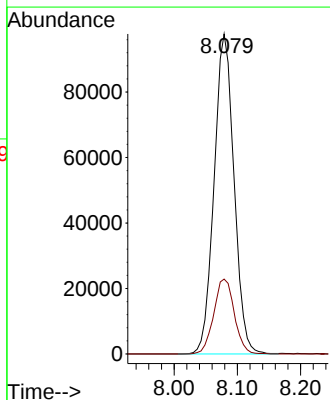
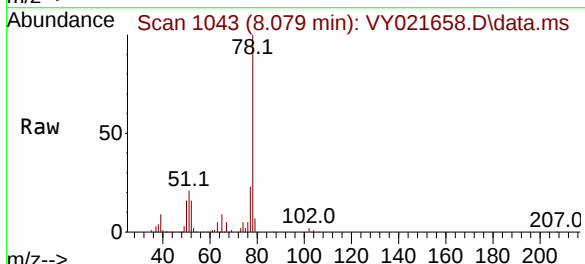
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

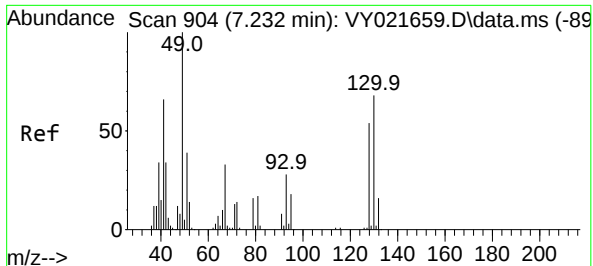
Tgt Ion: 83 Resp: 84802
Ion Ratio Lower Upper
83 100
55 78.0 59.7 89.5
98 47.8 38.3 57.5



#40
Benzene
Concen: 19.313 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 78 Resp: 213074
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

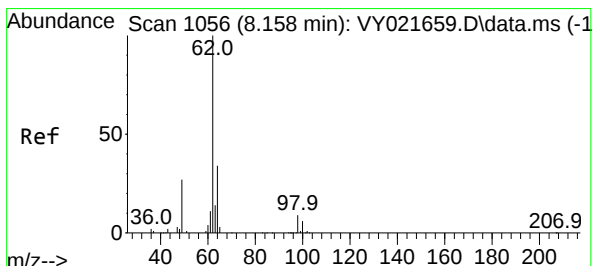
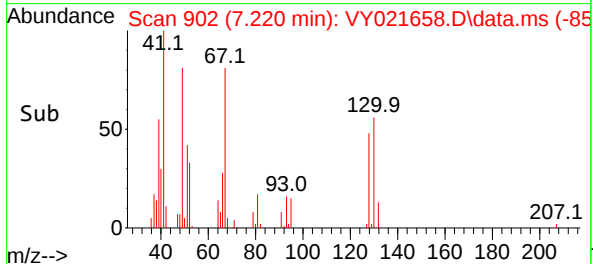
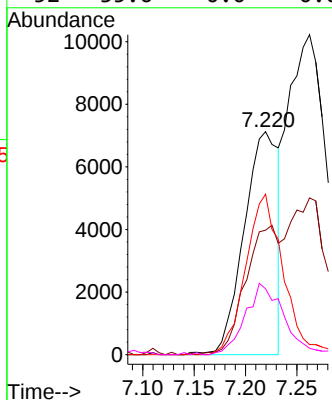
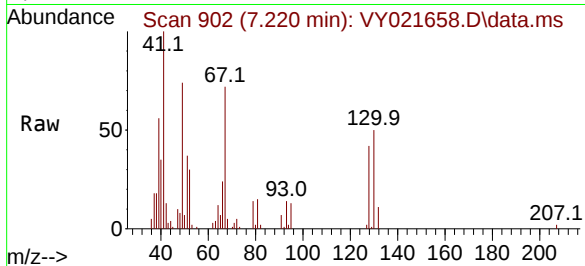




#41
Methacrylonitrile
Concen: 17.853 ug/l
RT: 7.220 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

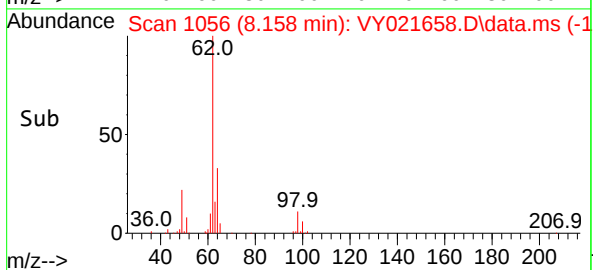
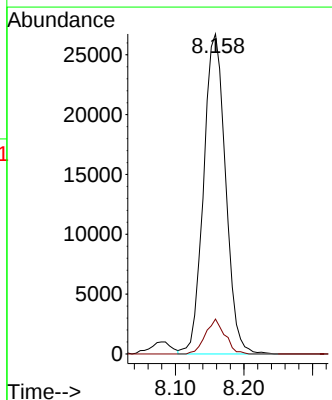
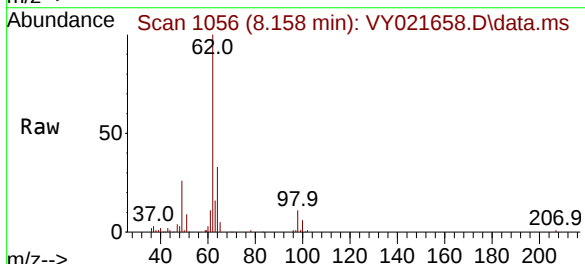
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

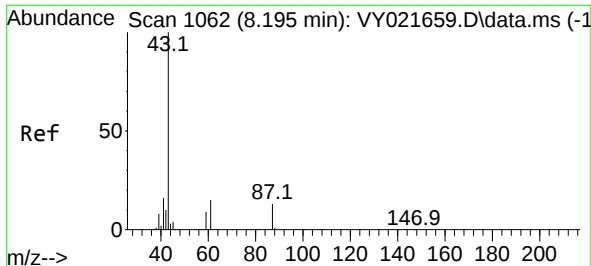
Tgt Ion: 41 Resp: 16483
Ion Ratio Lower Upper
41 100
39 55.7 0.0 0.0#
67 78.7 0.0 0.0#
52 35.6 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 59552
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.4

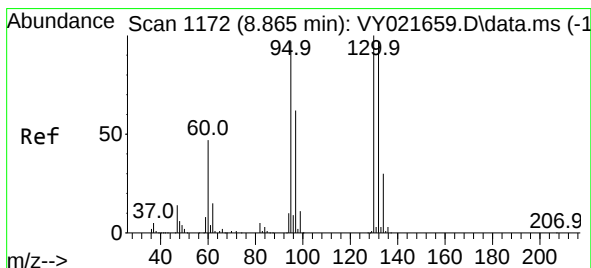
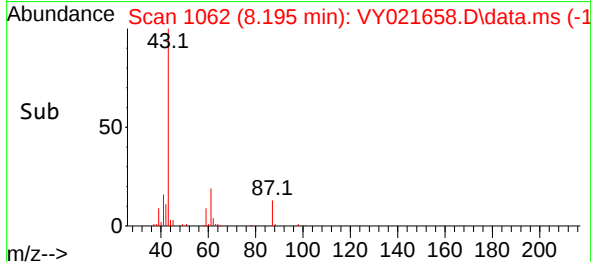
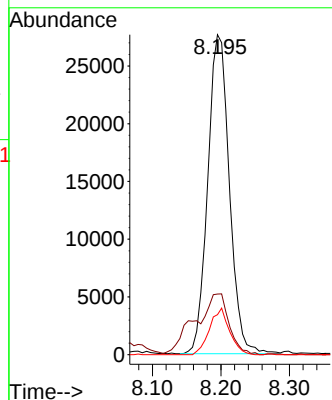
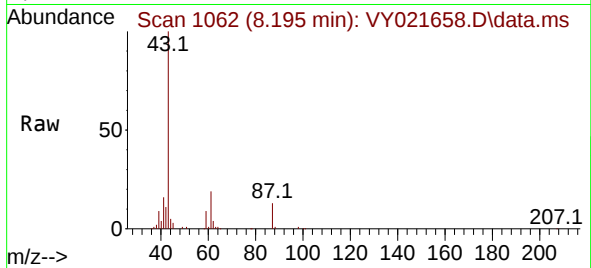




#43
Isopropyl Acetate
Concen: 18.451 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

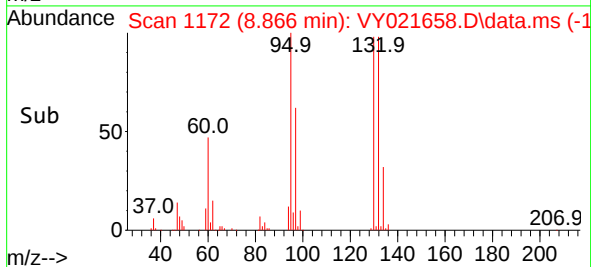
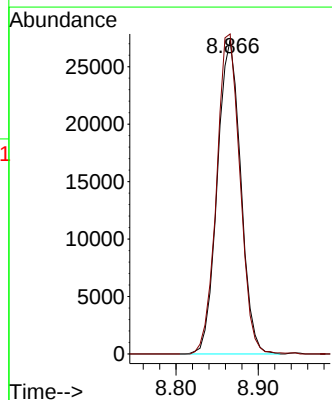
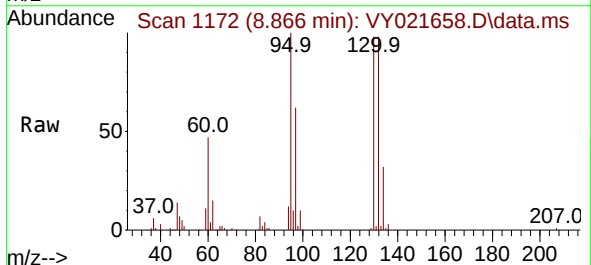
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

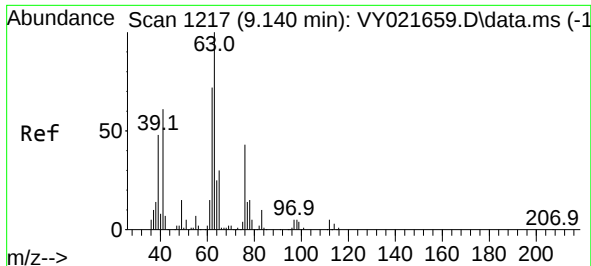
Tgt Ion: 43 Resp: 60795
Ion Ratio Lower Upper
43 100
61 29.8 15.9 23.9#
87 13.4 10.4 15.6



#44
Trichloroethene
Concen: 19.215 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:130 Resp: 54015
Ion Ratio Lower Upper
130 100
95 102.0 0.0 194.8





#45

1,2-Dichloropropane

Concen: 19.088 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

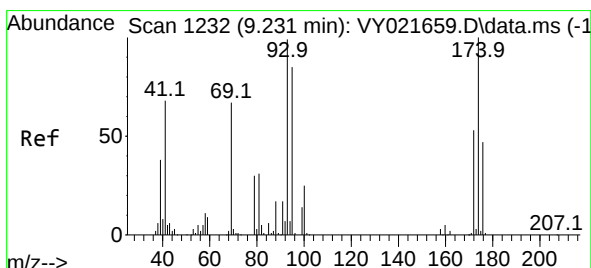
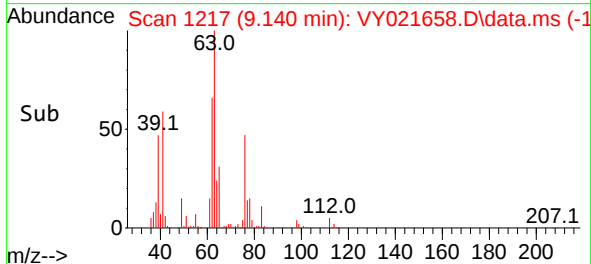
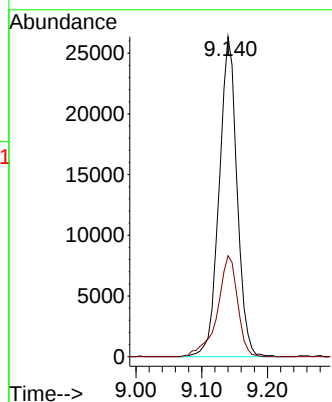
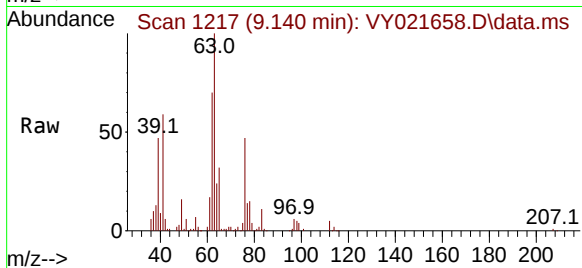
VSTDIC020

Tgt Ion: 63 Resp: 49850

Ion Ratio Lower Upper

63 100

65 31.5 24.4 36.6



#46

Dibromomethane

Concen: 19.067 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

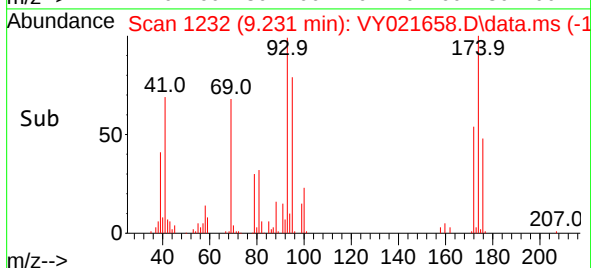
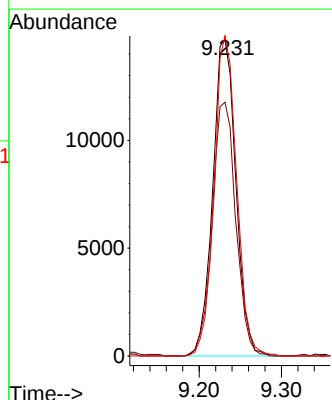
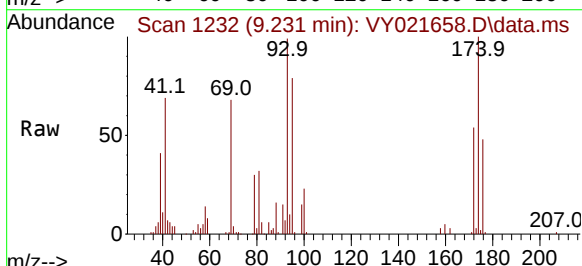
Tgt Ion: 93 Resp: 28698

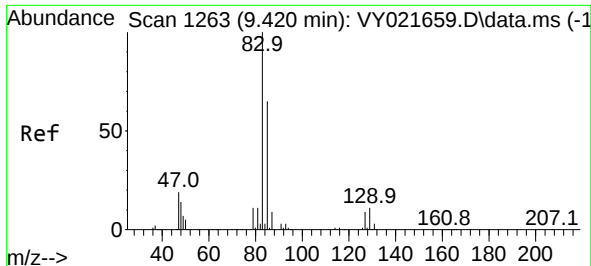
Ion Ratio Lower Upper

93 100

95 81.9 68.1 102.1

174 97.9 80.9 121.3

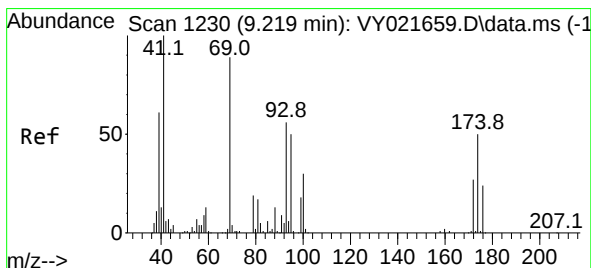
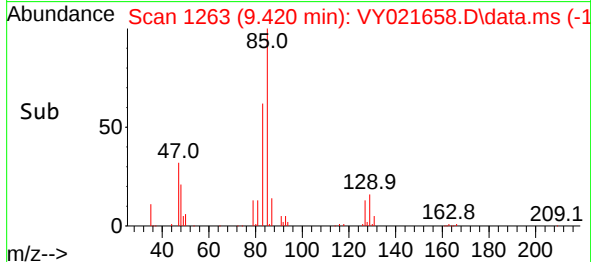
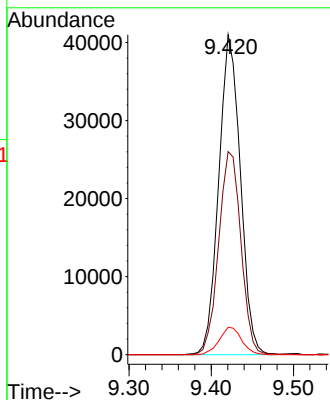
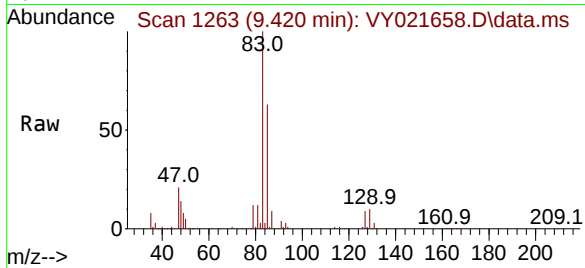




#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

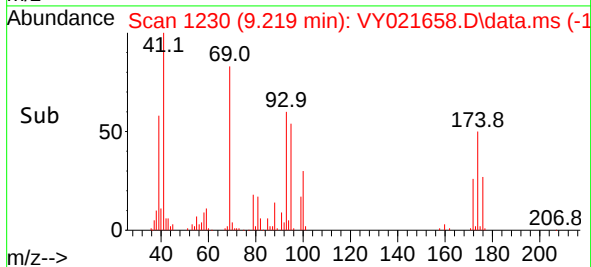
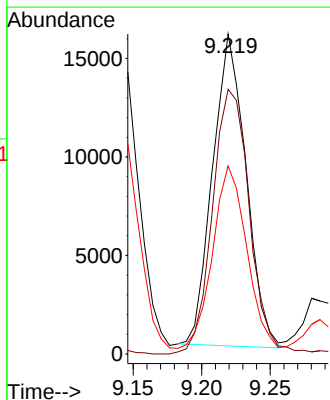
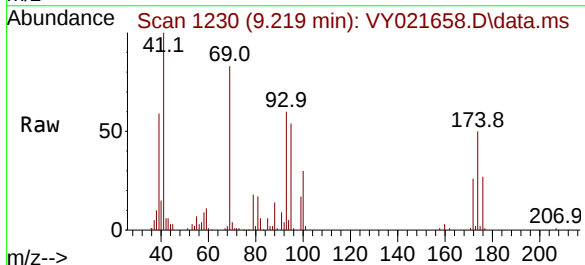
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 75123
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.6
127 8.5 6.8 10.2



#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 26759
Ion Ratio Lower Upper
41 100
69 95.3 69.8 104.8
39 60.0 47.2 70.8

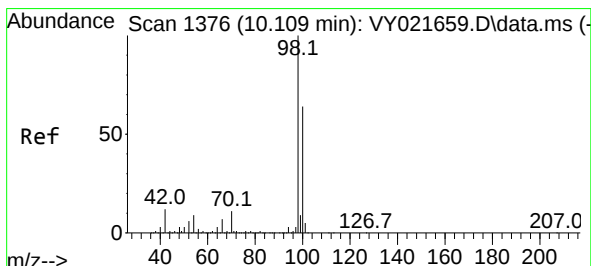
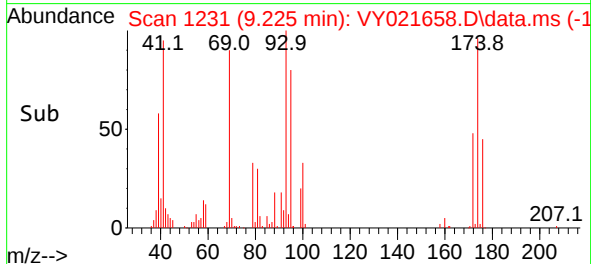
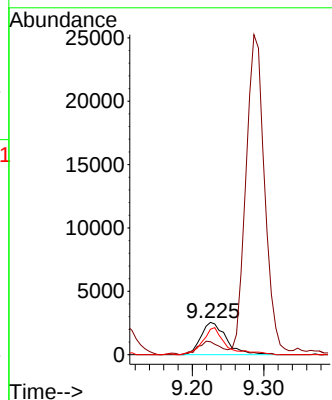
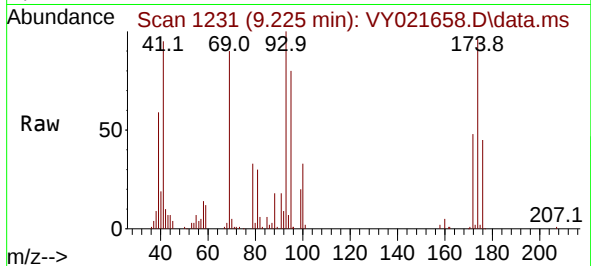




#49
1,4-Dioxane
Concen: 388.254 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

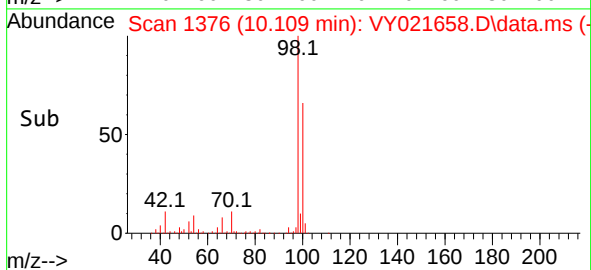
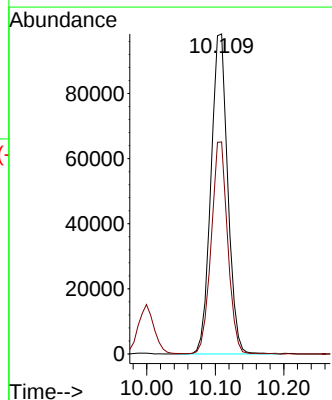
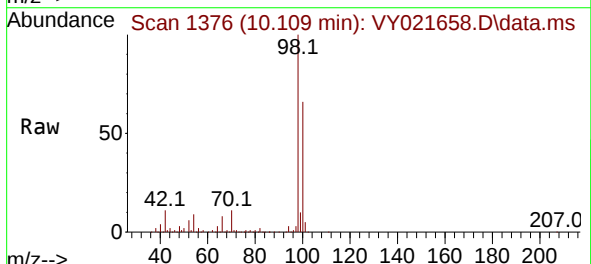
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 6260
Ion Ratio Lower Upper
88 100
43 36.8 28.8 43.2
58 75.8 59.4 89.2



#50
Toluene-d8
Concen: 18.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 98 Resp: 168040
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 95.304 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

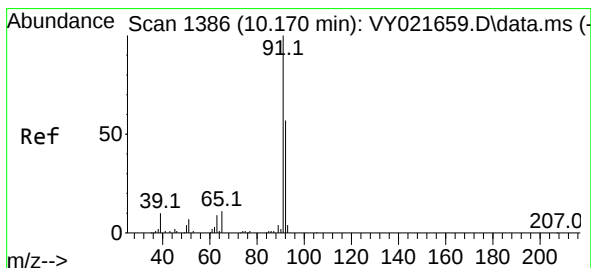
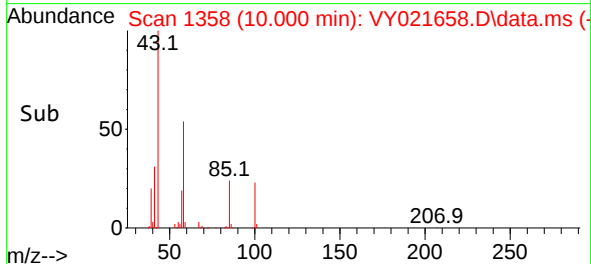
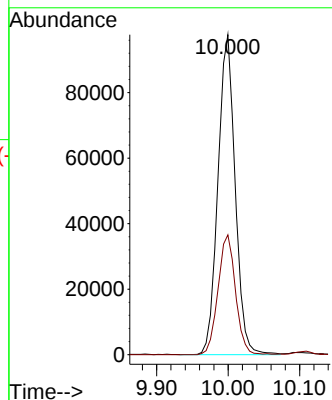
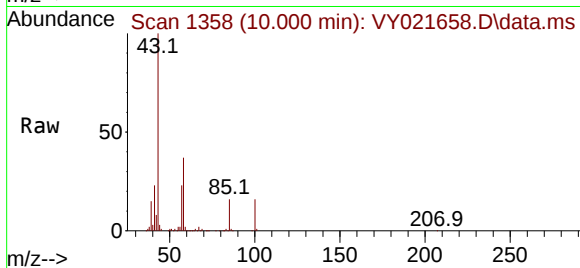
VSTDIC020

Tgt Ion: 43 Resp: 163415

Ion Ratio Lower Upper

43 100

58 38.1 31.5 47.3



#52

Toluene

Concen: 19.340 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY021658.D

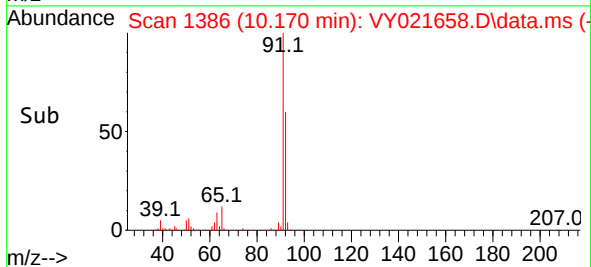
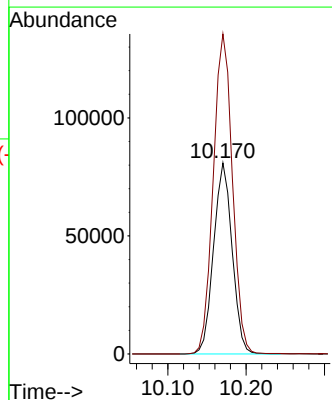
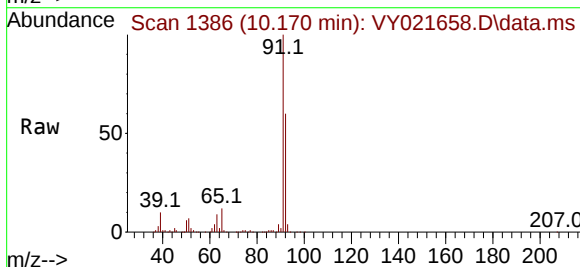
Acq: 27 Mar 2025 10:54

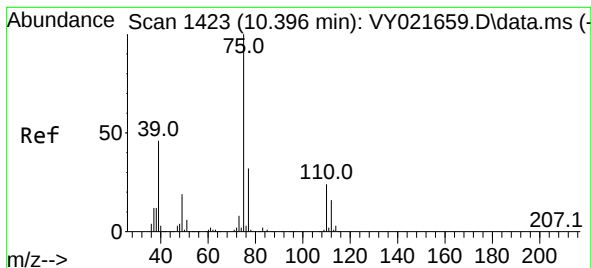
Tgt Ion: 92 Resp: 133126

Ion Ratio Lower Upper

92 100

91 173.2 138.6 207.8

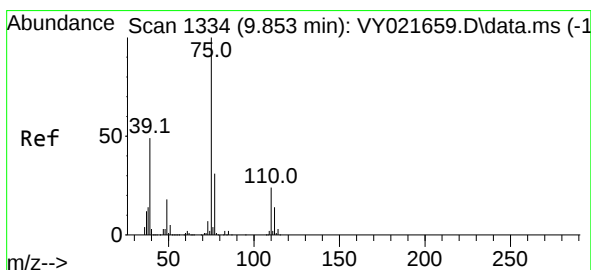
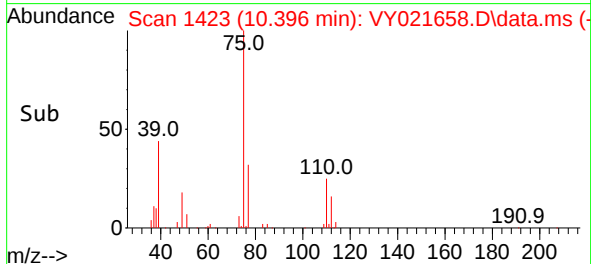
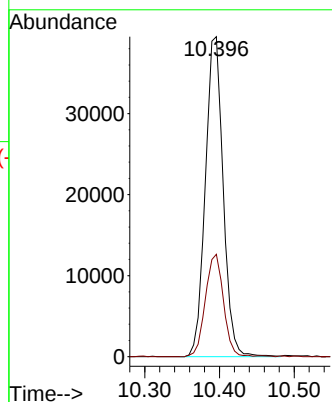
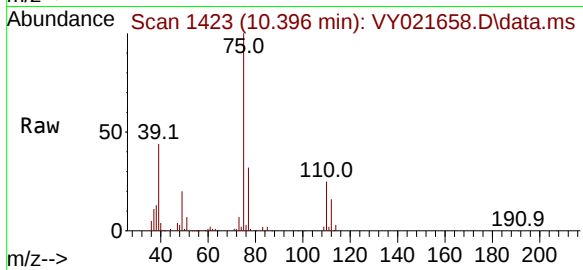




#53
 t-1,3-Dichloropropene
 Concen: 18.919 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

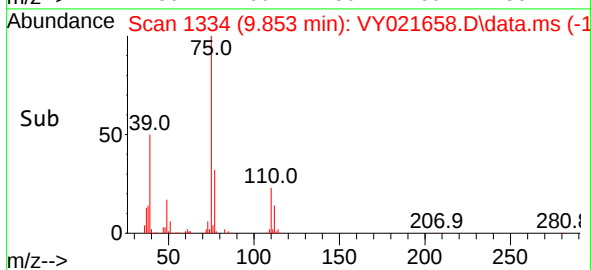
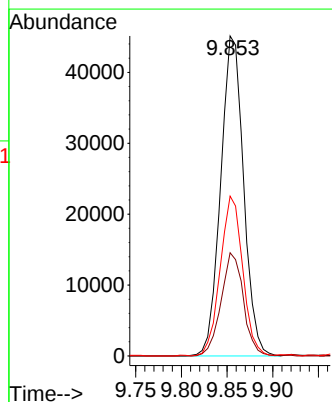
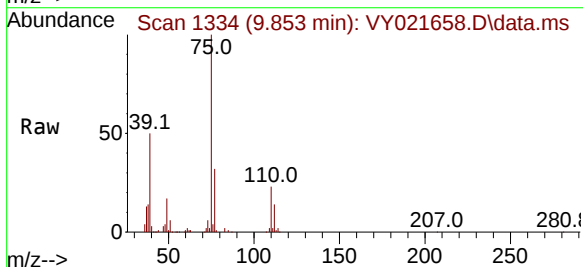
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

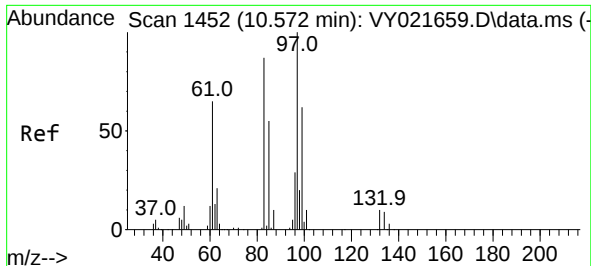
Tgt Ion: 75 Resp: 65536
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 19.271 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.9 37.3
 39 49.7 39.2 58.8

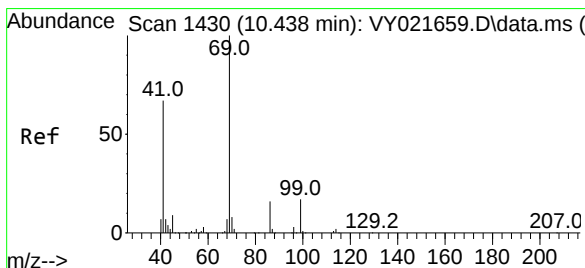
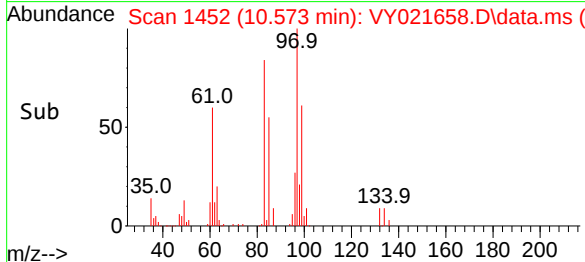
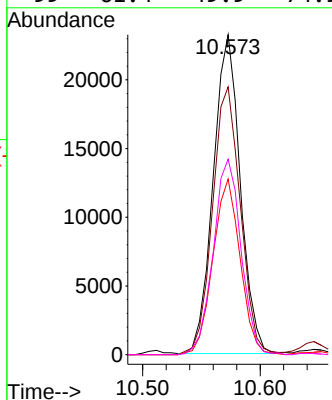
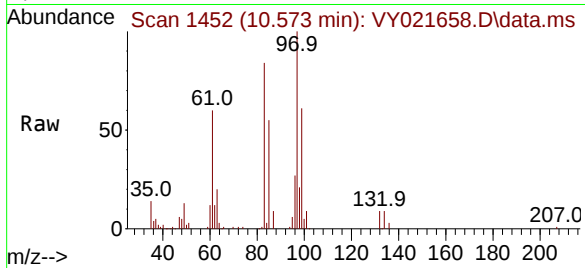




#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

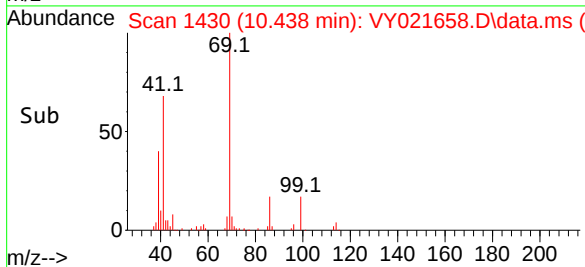
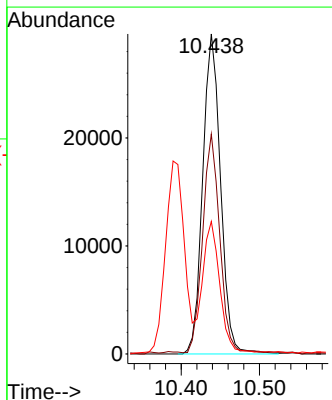
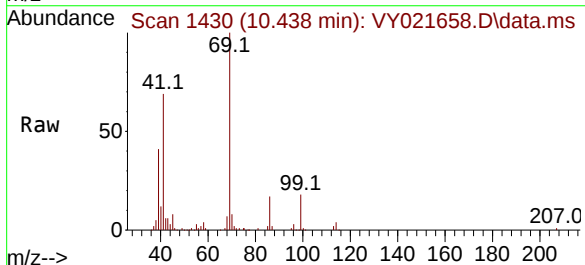
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

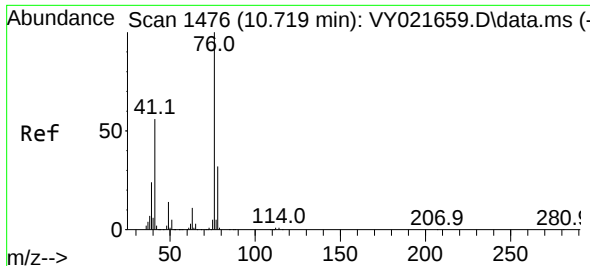
Tgt Ion:	97	Resp:	37073
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.5	104.3
85	55.1	43.9	65.9
99	61.4	49.9	74.9



#56
Ethyl methacrylate
Concen: 18.936 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:	69	Resp:	46833
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.8	80.6
39	39.6	29.6	44.4





#57

1,3-Dichloropropane

Concen: 19.600 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

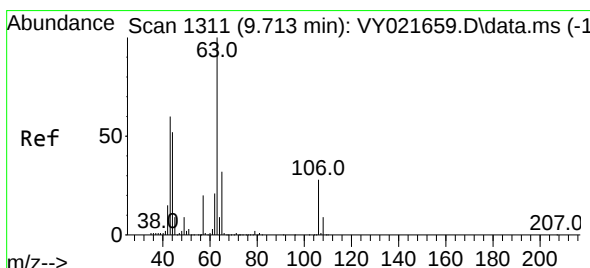
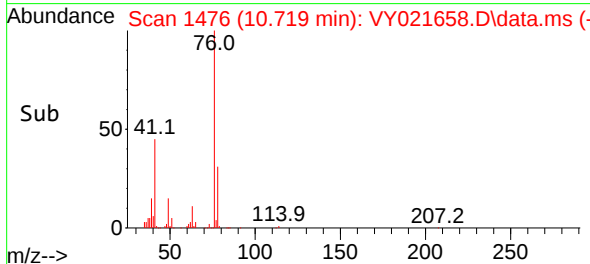
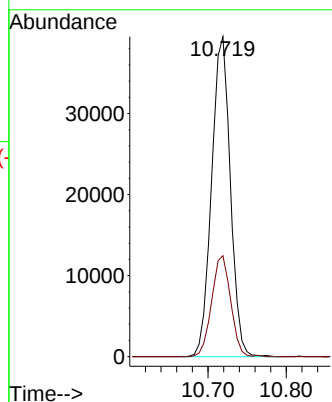
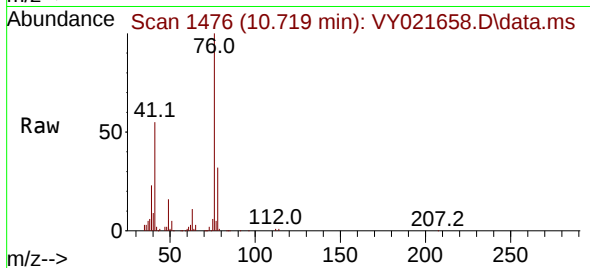
VSTDIC020

Tgt Ion: 76 Resp: 65563

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 93.615 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021658.D

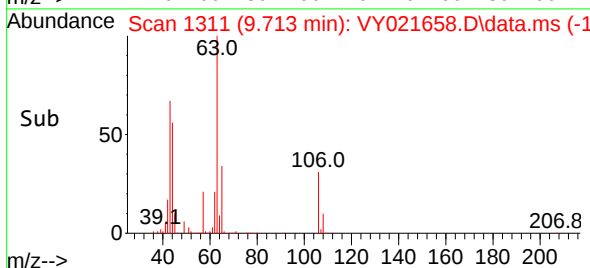
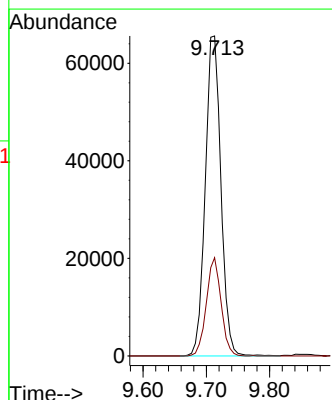
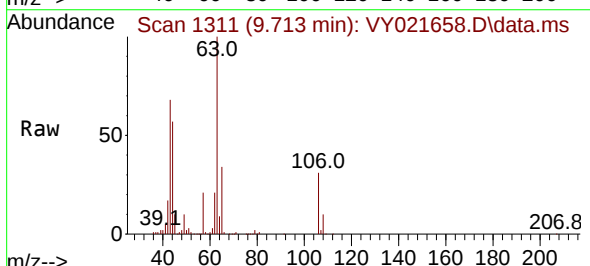
Acq: 27 Mar 2025 10:54

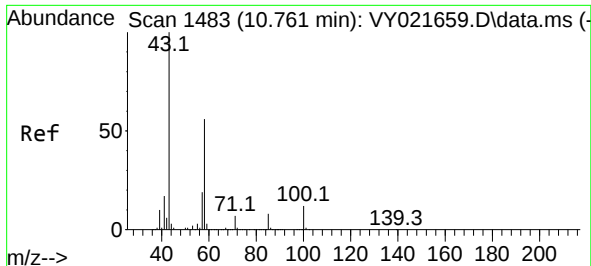
Tgt Ion: 63 Resp: 112947

Ion Ratio Lower Upper

63 100

106 28.9 22.4 33.6

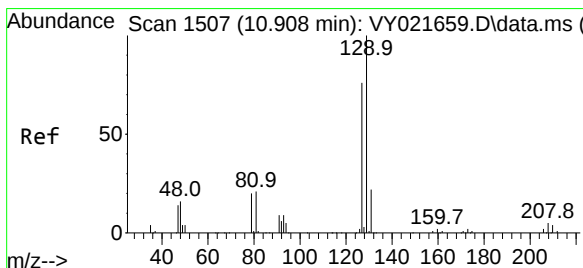
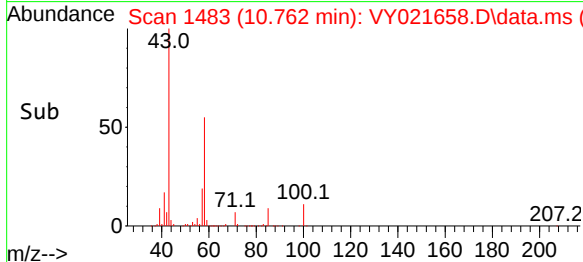
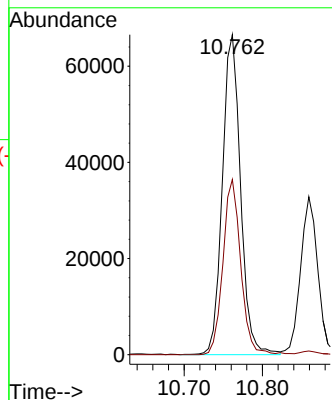
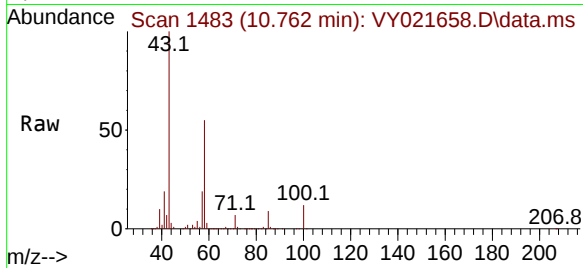




#59
2-Hexanone
Concen: 94.241 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

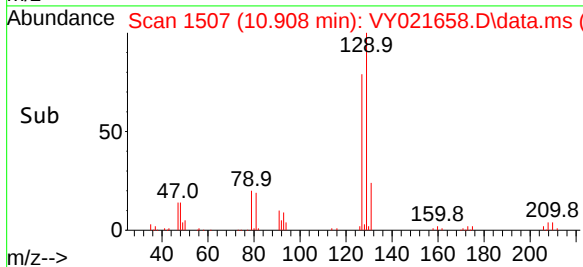
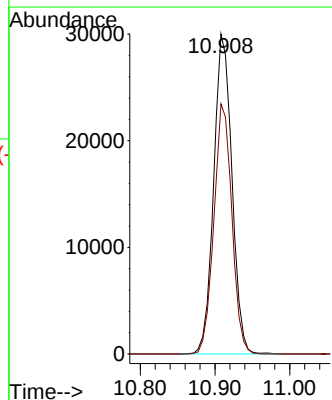
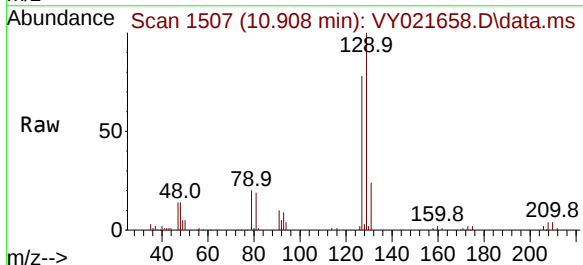
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

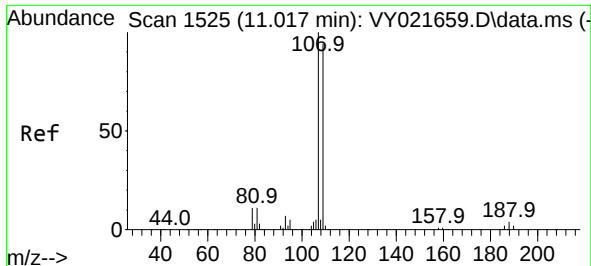
Tgt Ion: 43 Resp: 107618
Ion Ratio Lower Upper
43 100
58 53.3 27.2 81.5



#60
Dibromochloromethane
Concen: 19.187 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 129 Resp: 50740
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7

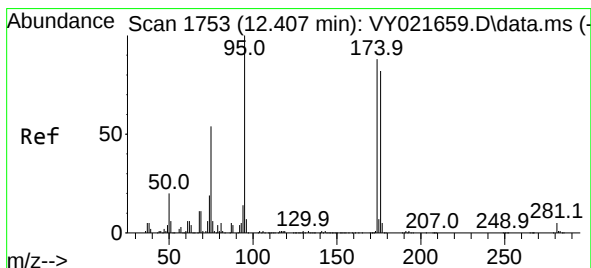
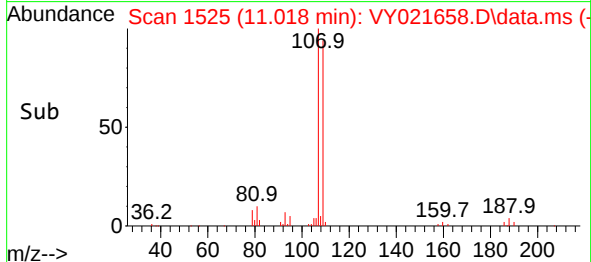
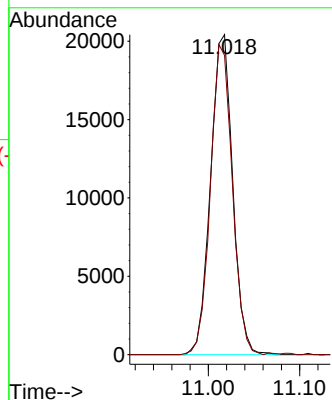
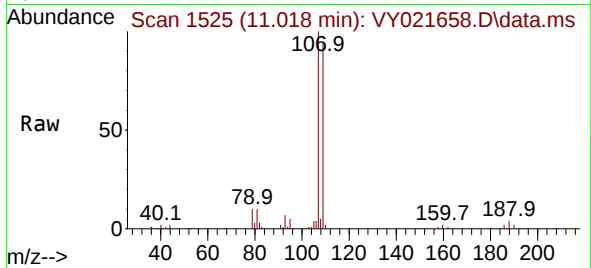




#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

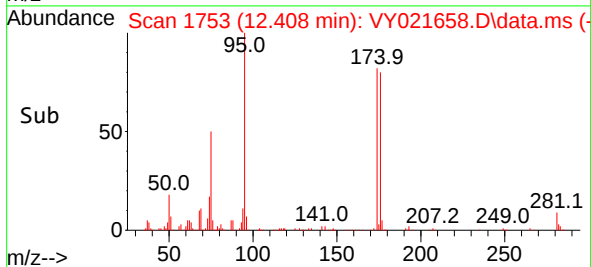
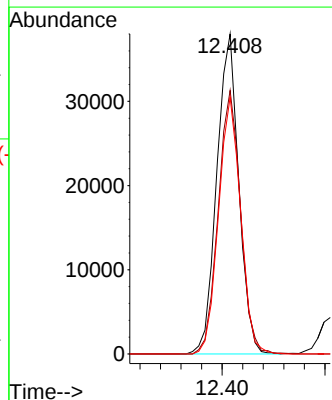
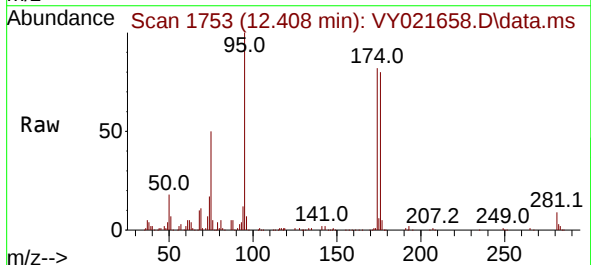
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

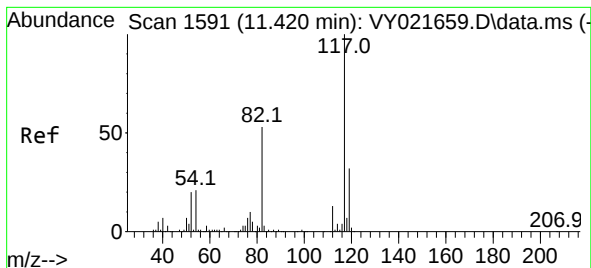
Tgt Ion:107 Resp: 34293
Ion Ratio Lower Upper
107 100
109 95.9 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 80.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

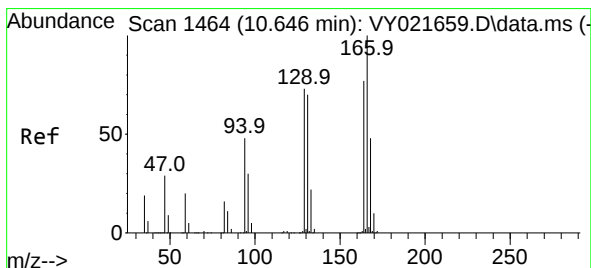
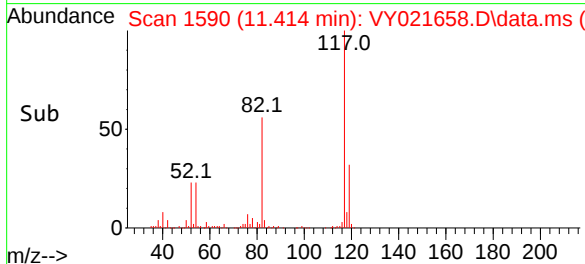
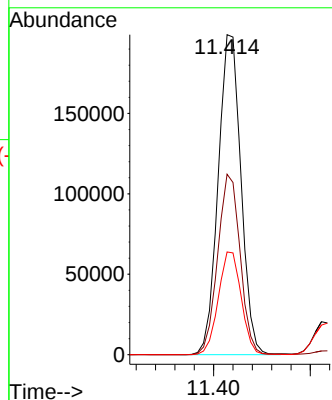
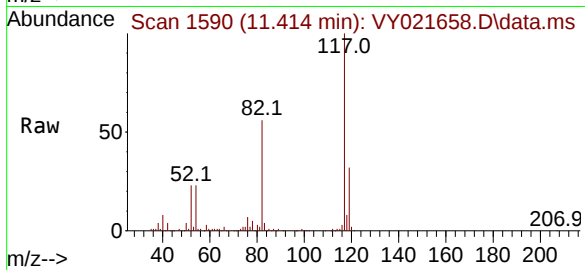
Tgt Ion:117 Resp: 325153

Ion Ratio Lower Upper

117 100

82 56.4 42.8 64.2

119 32.1 25.7 38.5



#64

Tetrachloroethene

Concen: 19.897 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:164 Resp: 58923

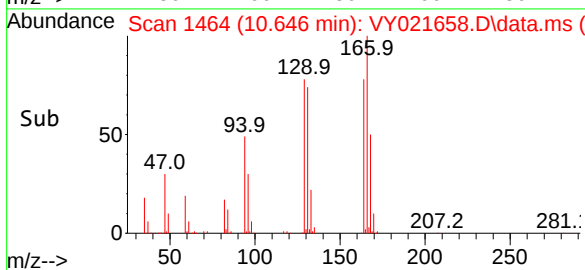
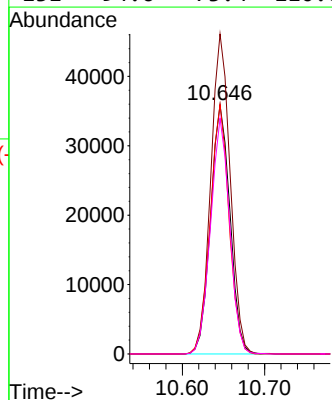
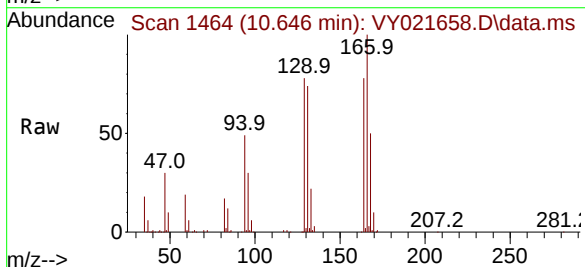
Ion Ratio Lower Upper

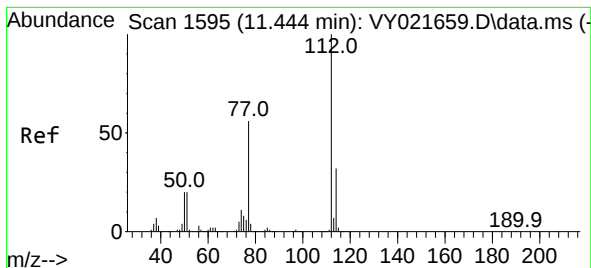
164 100

166 128.5 104.6 156.8

129 100.1 76.6 114.8

131 94.6 73.4 110.0





#65

Chlorobenzene

Concen: 19.375 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

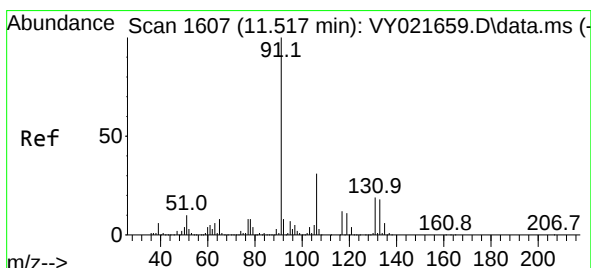
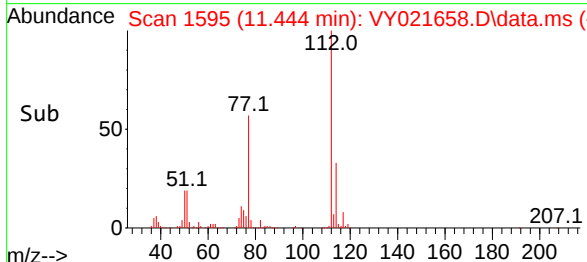
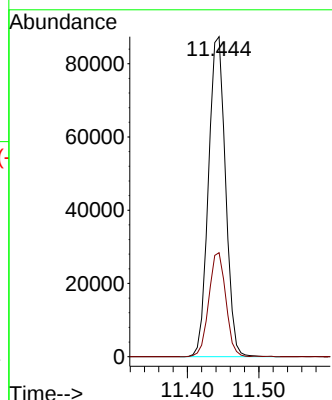
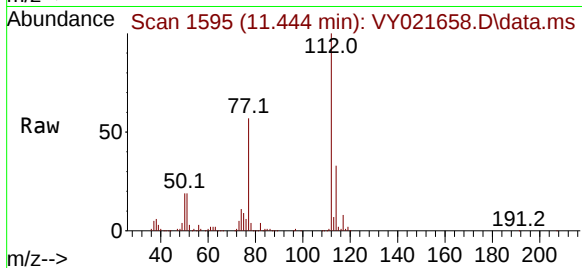
VSTDIC020

Tgt Ion:112 Resp: 144411

Ion Ratio Lower Upper

112 100

114 32.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

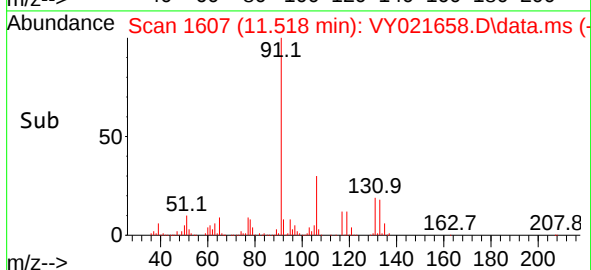
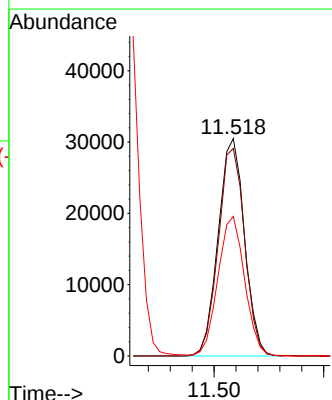
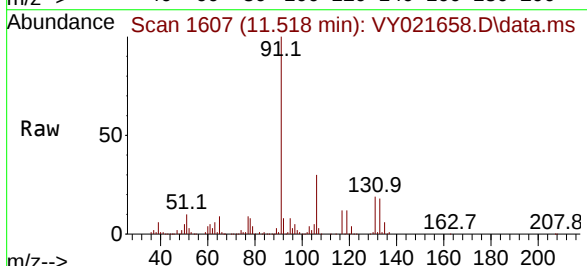
Tgt Ion:131 Resp: 50703

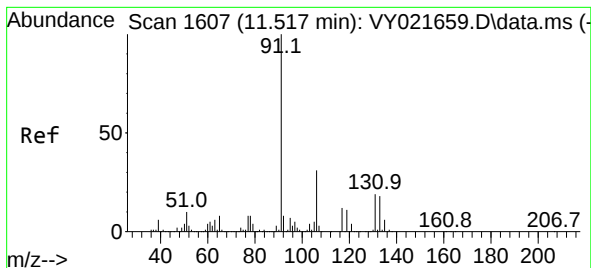
Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.8

119 65.2 31.6 95.0





#67

Ethyl Benzene

Concen: 19.515 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

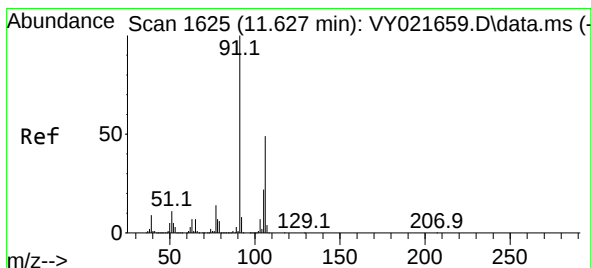
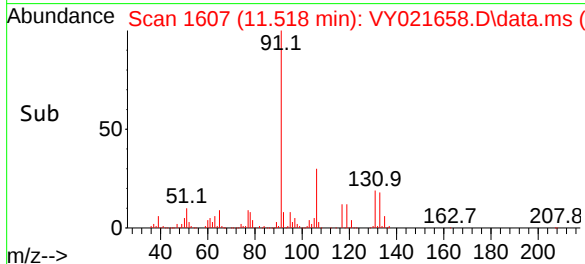
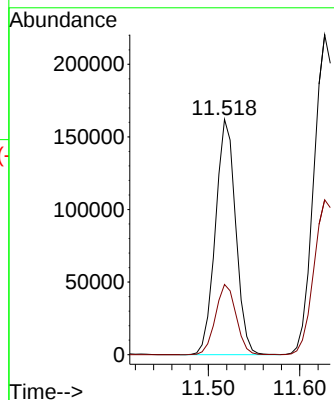
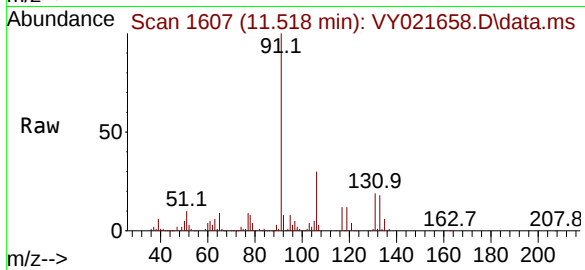
VSTDIC020

Tgt Ion: 91 Resp: 249430

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8



#68

m/p-Xylenes

Concen: 39.549 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021658.D

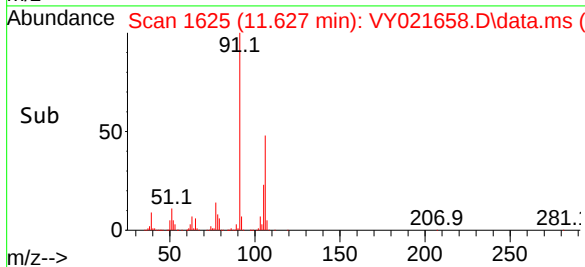
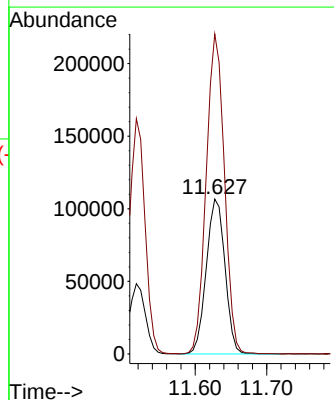
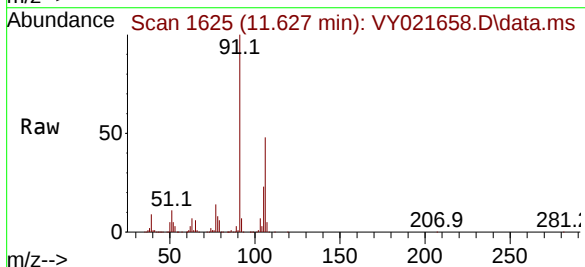
Acq: 27 Mar 2025 10:54

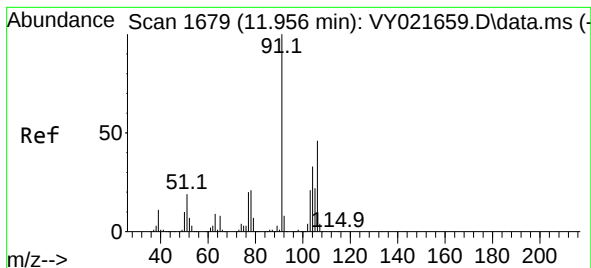
Tgt Ion:106 Resp: 193566

Ion Ratio Lower Upper

106 100

91 201.0 162.4 243.6





#69

o-Xylene

Concen: 19.462 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

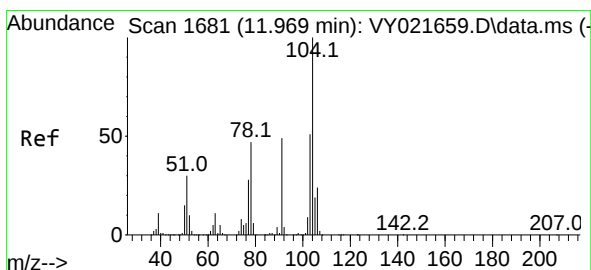
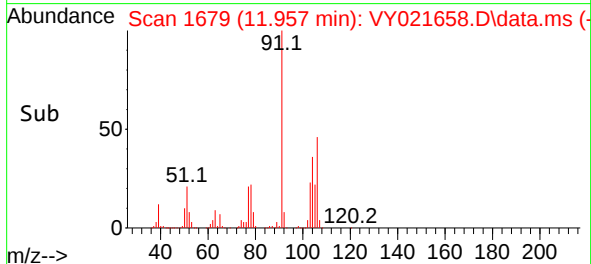
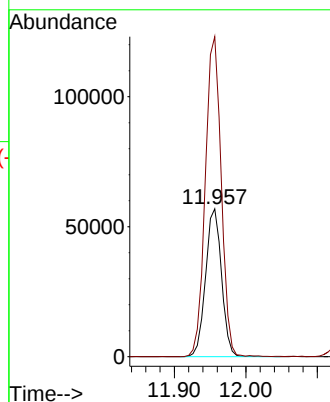
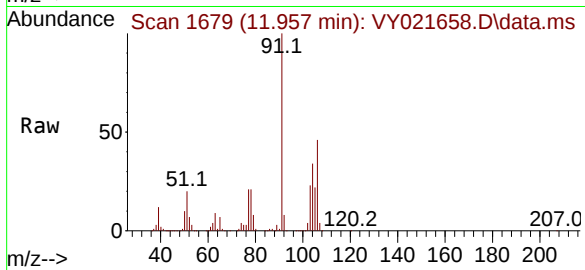
VSTDIC020

Tgt Ion:106 Resp: 87927

Ion Ratio Lower Upper

106 100

91 216.7 106.7 319.9



#70

Styrene

Concen: 19.580 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

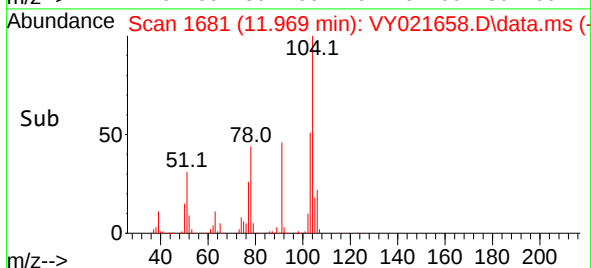
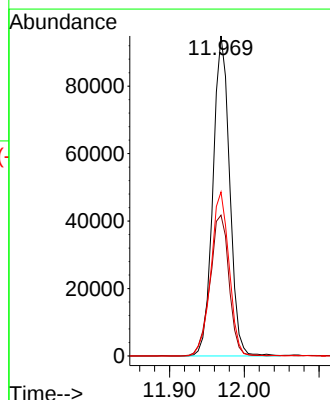
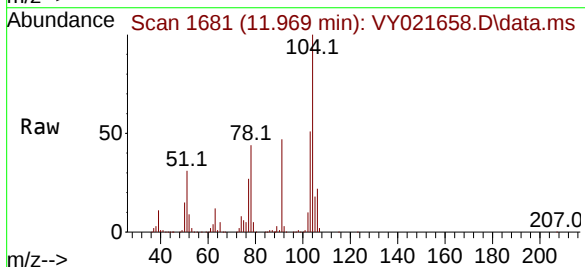
Tgt Ion:104 Resp: 147490

Ion Ratio Lower Upper

104 100

78 49.9 40.8 61.2

103 55.7 44.2 66.2





#71

Bromoform

Concen: 19.706 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

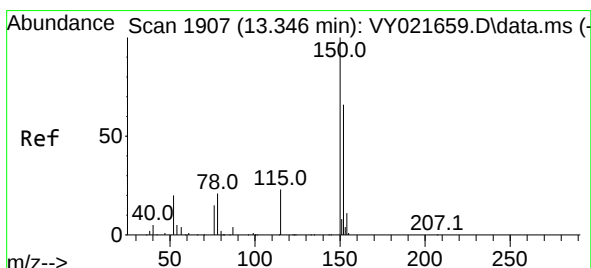
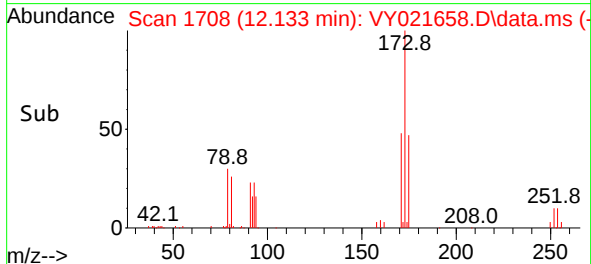
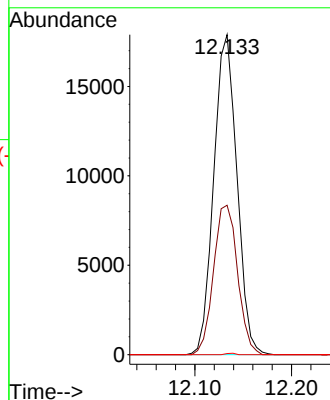
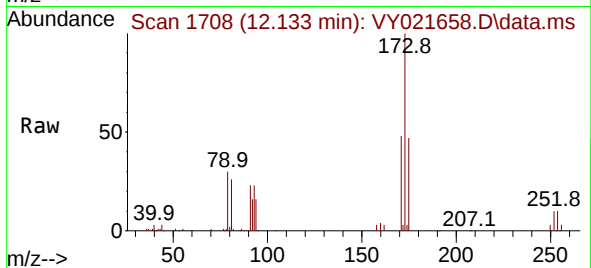
Tgt Ion:173 Resp: 29726

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

254 0.2 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: VY021658.D

Acq: 27 Mar 2025 10:54

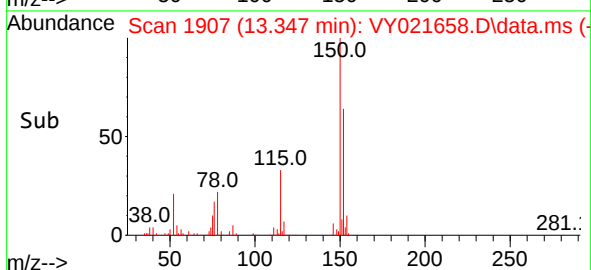
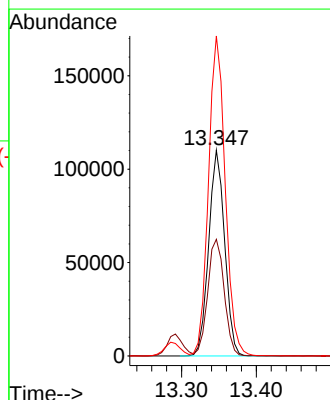
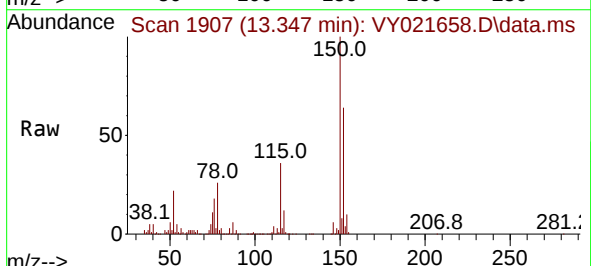
Tgt Ion:152 Resp: 163591

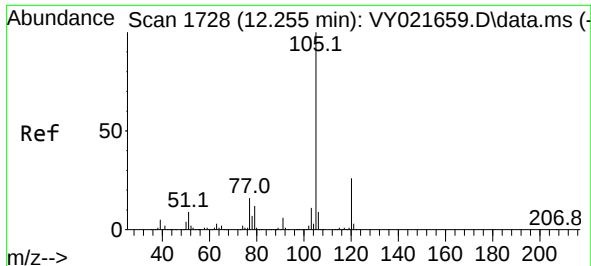
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 162.8 0.0 348.4

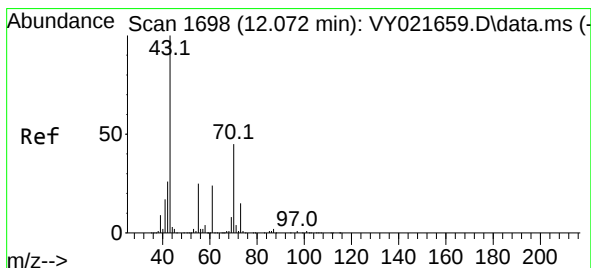
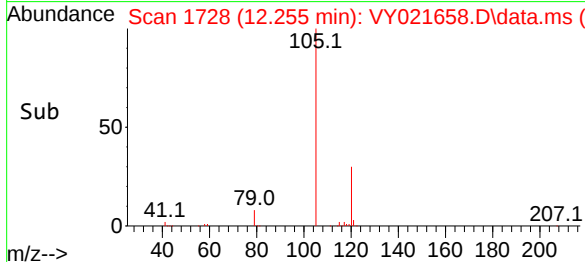
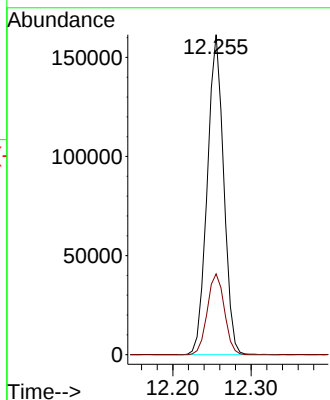
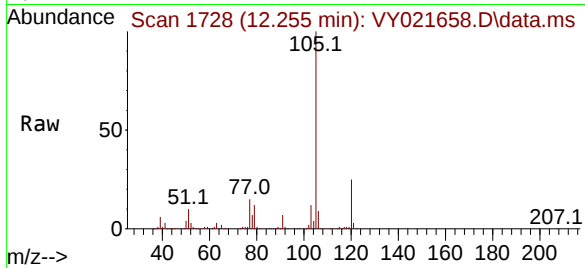




#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

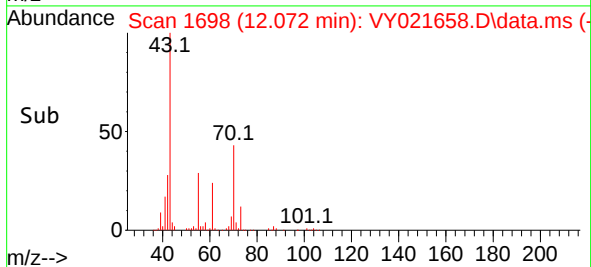
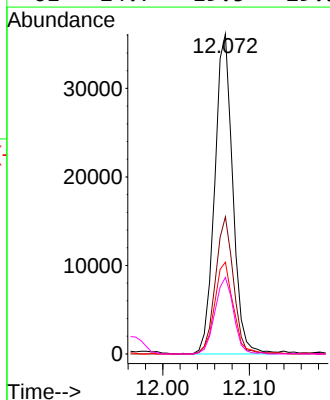
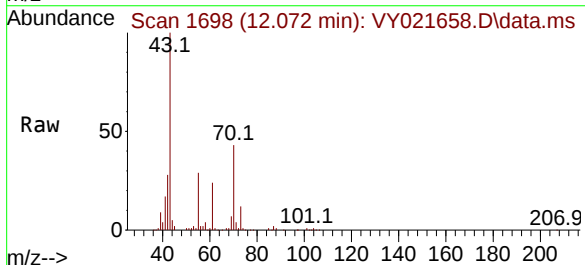
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

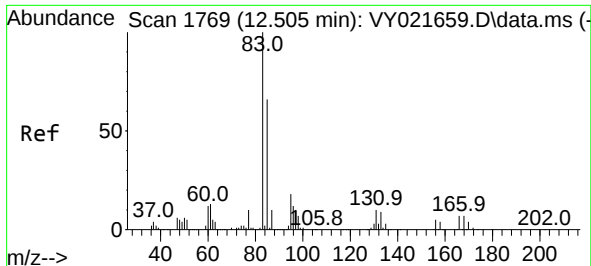
Tgt Ion:105 Resp: 234386
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 52342
Ion Ratio Lower Upper
43 100
70 42.9 34.7 52.1
55 30.0 21.2 31.8
61 24.7 19.5 29.3

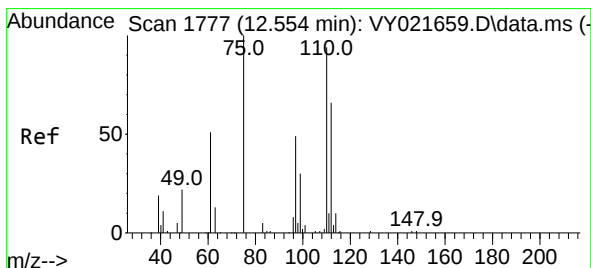
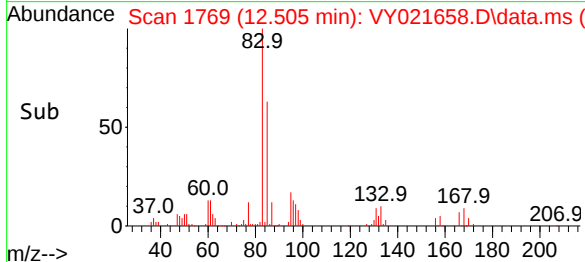
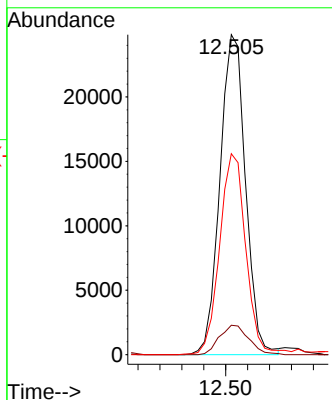
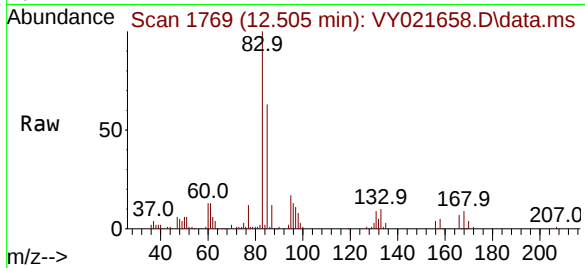




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.438 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

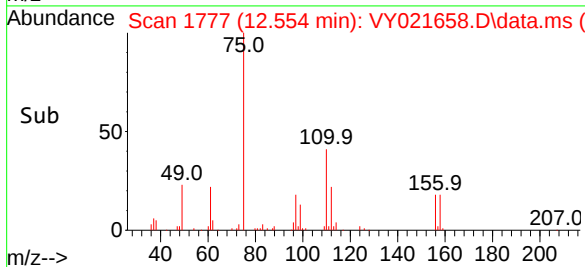
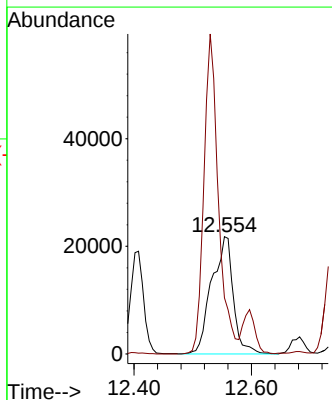
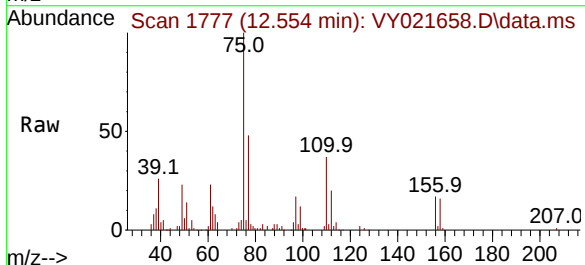
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

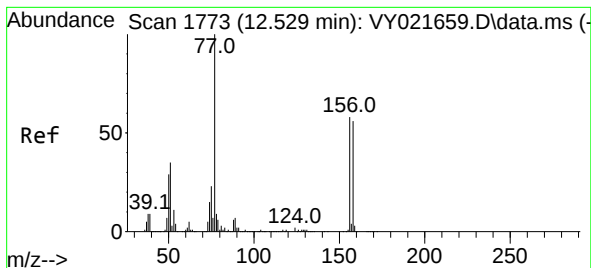
Tgt Ion: 83 Resp: 40279
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.1 15.3
 85 64.3 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 34.364 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 55725
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.119 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

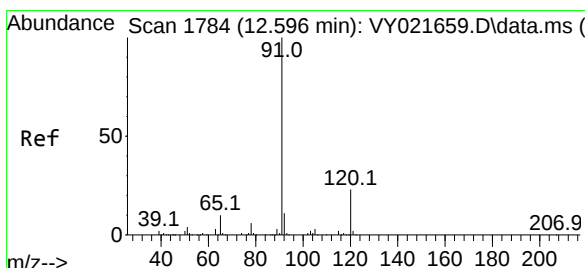
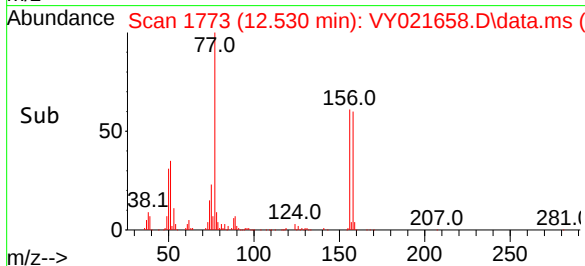
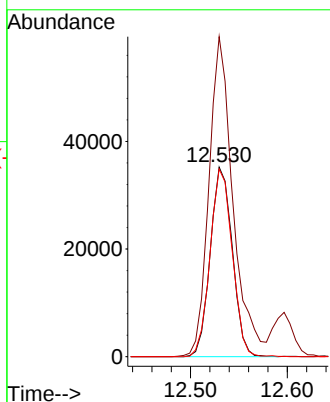
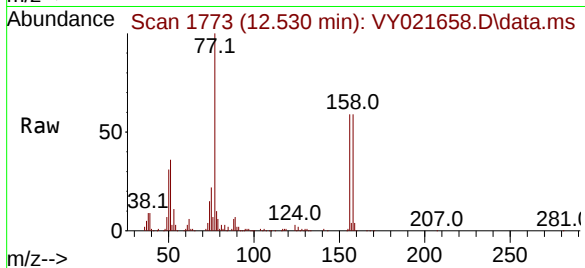
Tgt Ion:156 Resp: 55776

Ion Ratio Lower Upper

156 100

77 184.4 92.8 278.3

158 99.7 48.5 145.6



#78

n-propylbenzene

Concen: 19.480 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021658.D

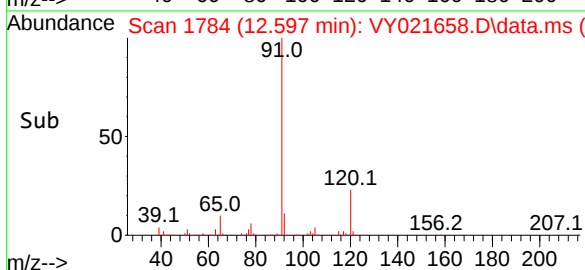
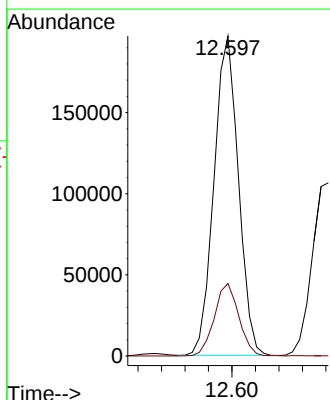
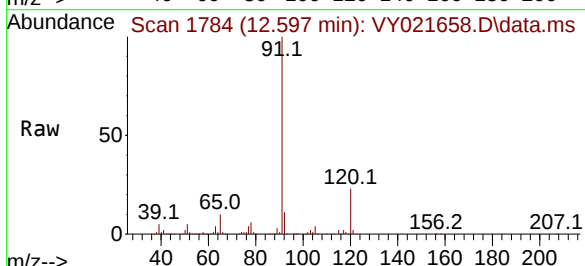
Acq: 27 Mar 2025 10:54

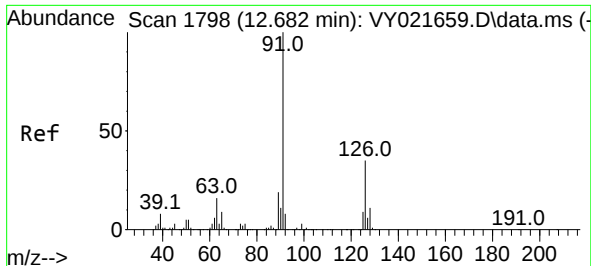
Tgt Ion: 91 Resp: 284563

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.555 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

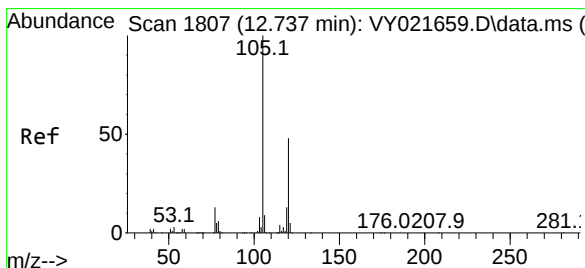
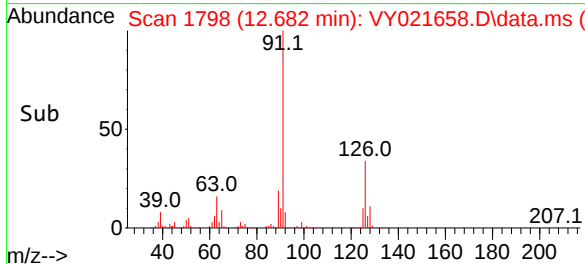
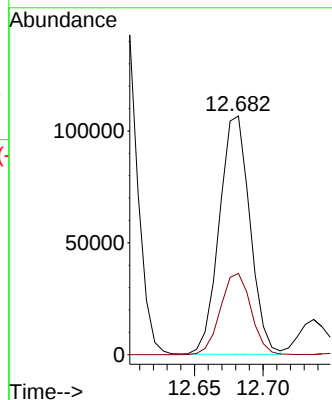
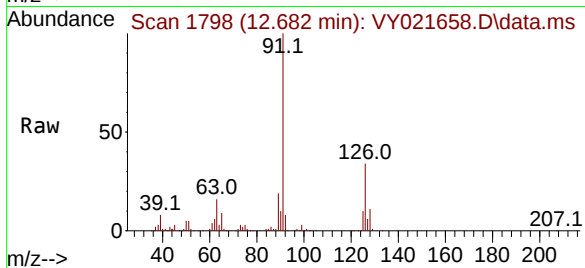
VSTDIC020

Tgt Ion: 91 Resp: 165911

Ion Ratio Lower Upper

91 100

126 34.0 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 19.651 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021658.D

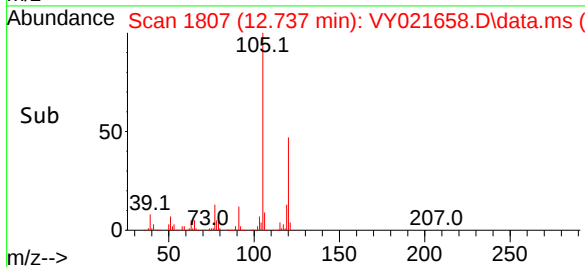
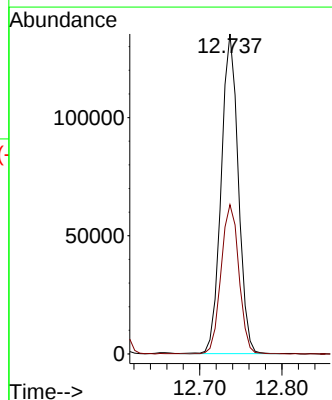
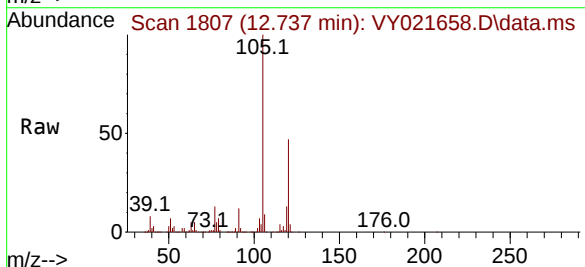
Acq: 27 Mar 2025 10:54

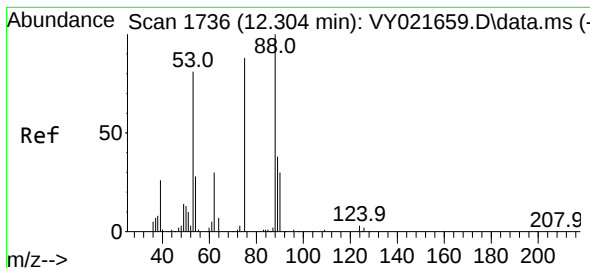
Tgt Ion: 105 Resp: 195141

Ion Ratio Lower Upper

105 100

120 48.8 24.5 73.5

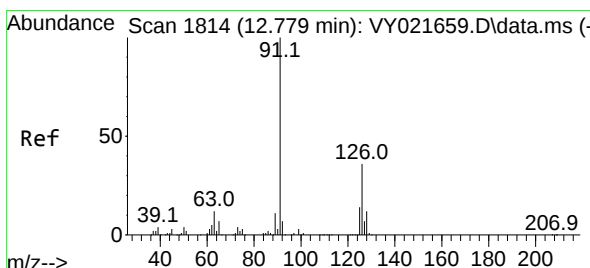
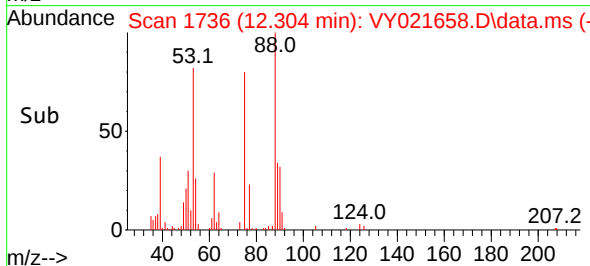
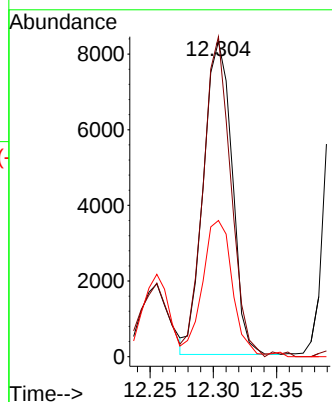
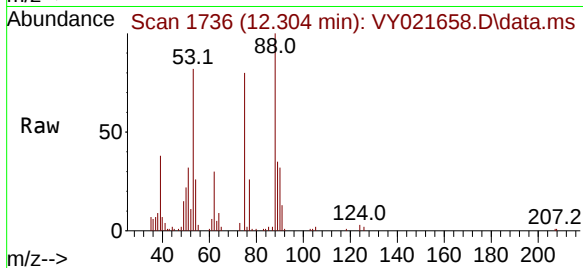




#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

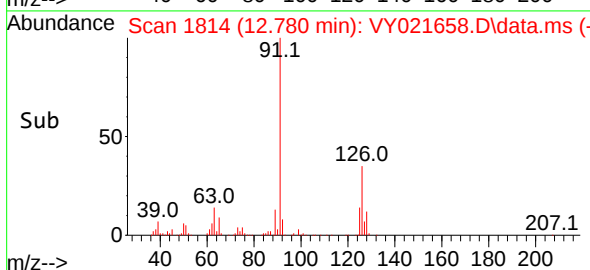
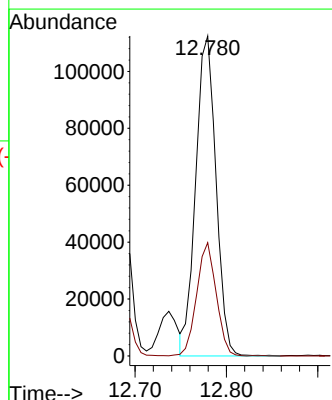
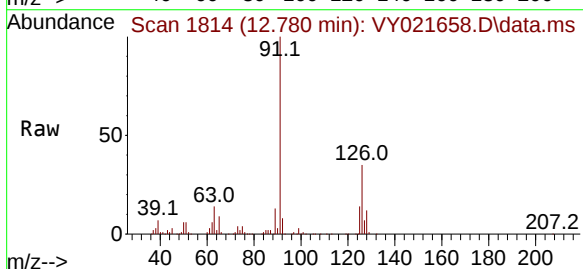
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

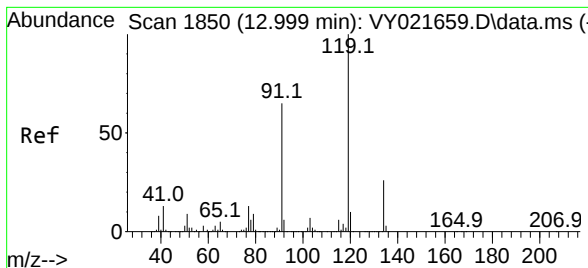
Tgt Ion: 75 Resp: 13021
Ion Ratio Lower Upper
75 100
53 98.6 76.1 114.1
89 44.2 36.2 54.4



#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 173311
Ion Ratio Lower Upper
91 100
126 34.1 17.0 50.9

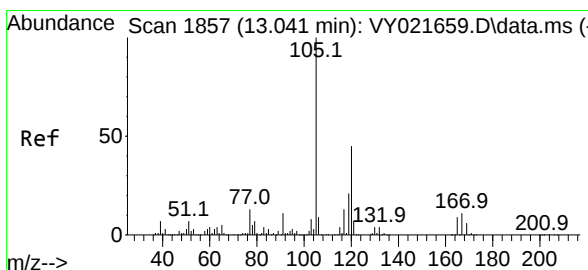
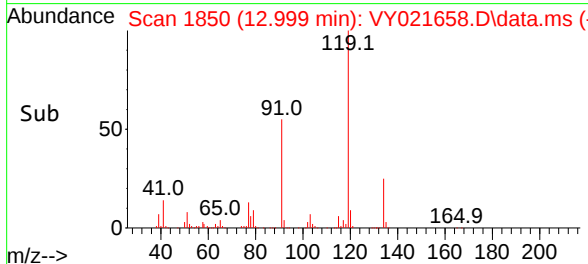
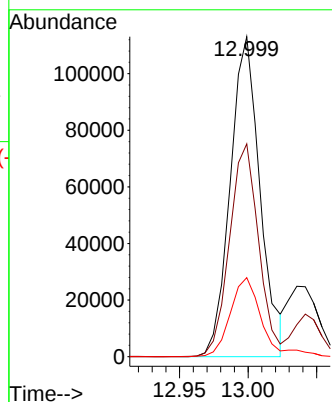
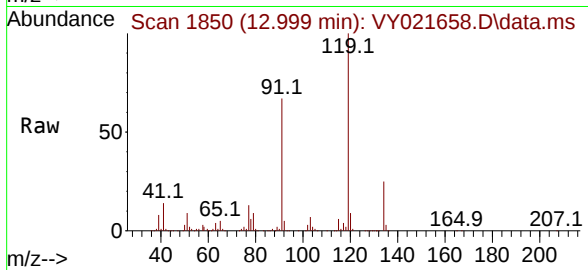




#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

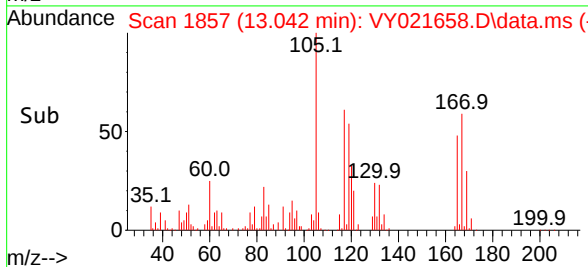
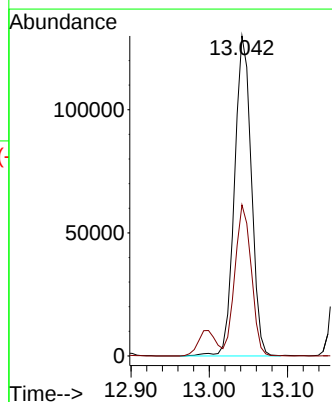
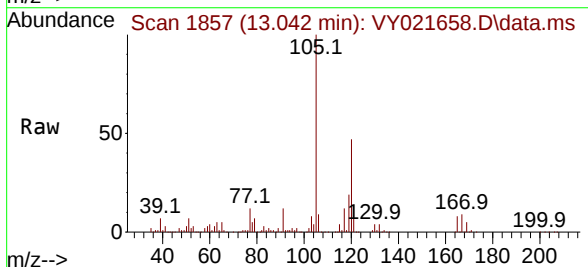
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

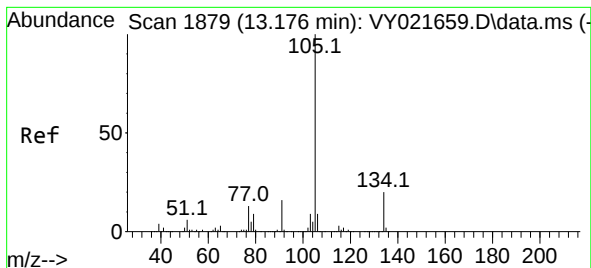
Tgt Ion:119 Resp: 171216
Ion Ratio Lower Upper
119 100
91 65.1 32.6 97.7
134 26.1 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683
Ion Ratio Lower Upper
105 100
120 45.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.540 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

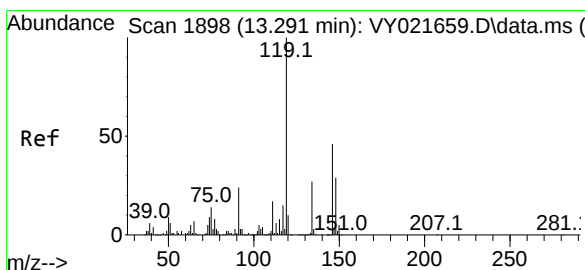
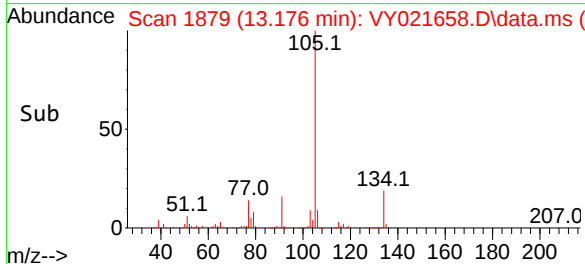
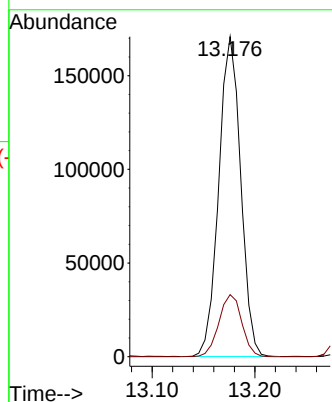
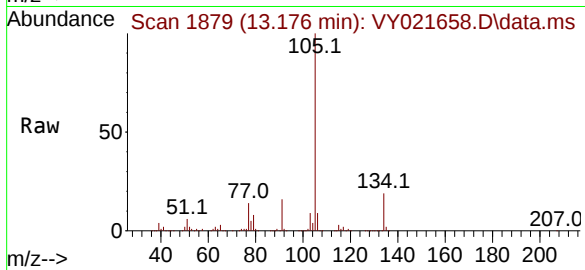
VSTDIC020

Tgt Ion:105 Resp: 252573

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.567 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

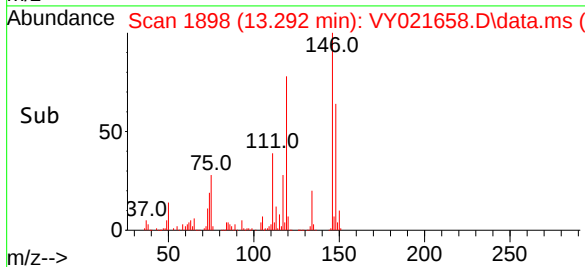
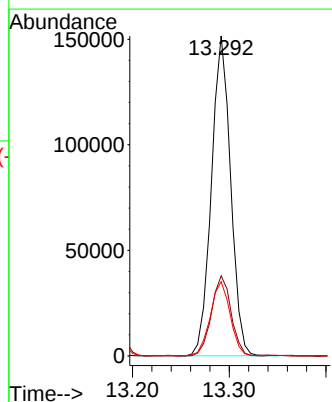
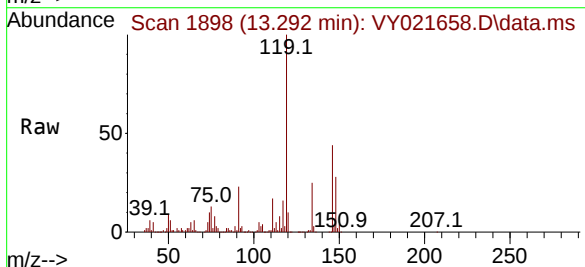
Tgt Ion:119 Resp: 209041

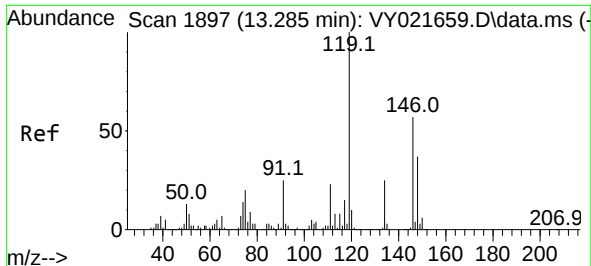
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

91 23.9 12.0 36.0

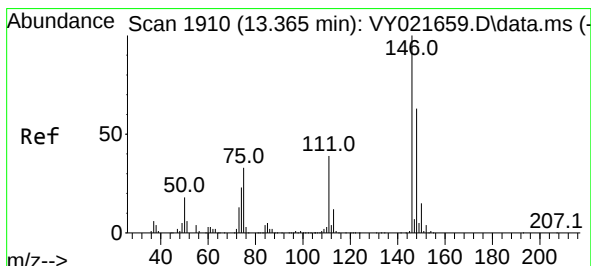
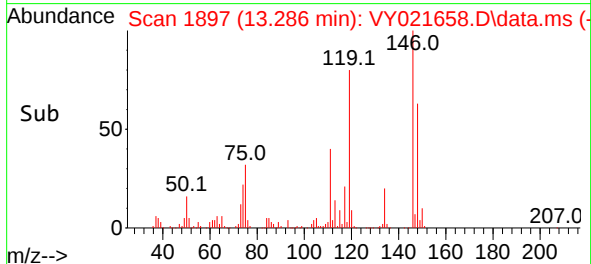
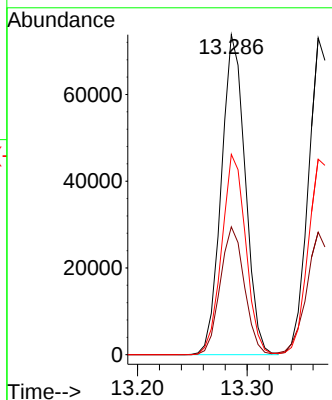
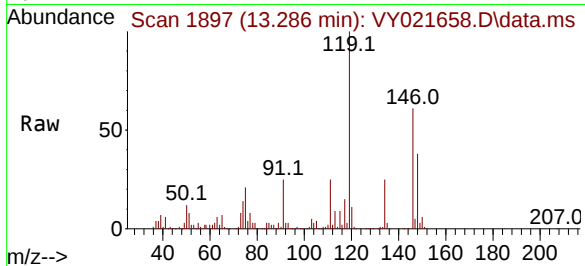




#87
 1,3-Dichlorobenzene
 Concen: 19.431 ug/l
 RT: 13.286 min Scan# 111682
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

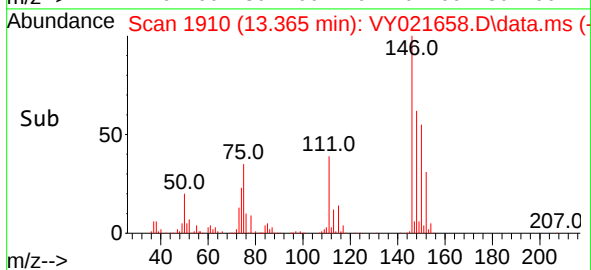
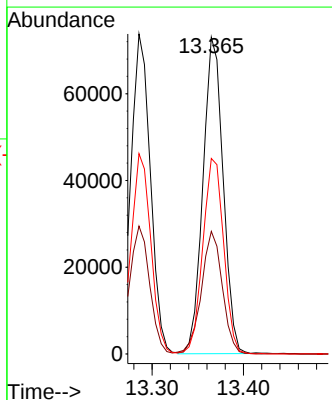
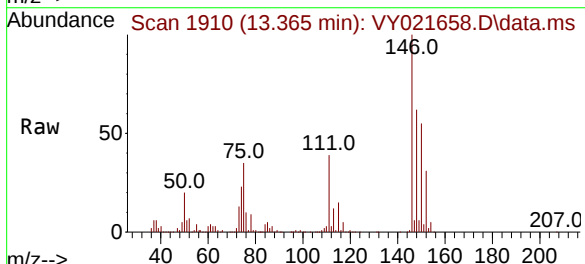
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	63.0	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.636 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.1
148	63.9	31.5	94.5

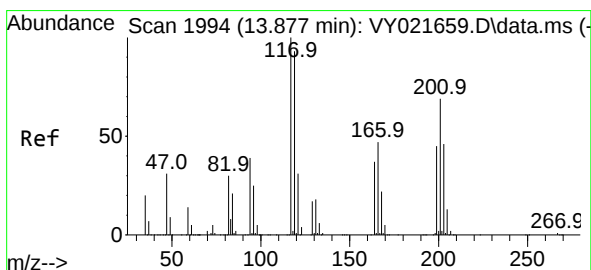
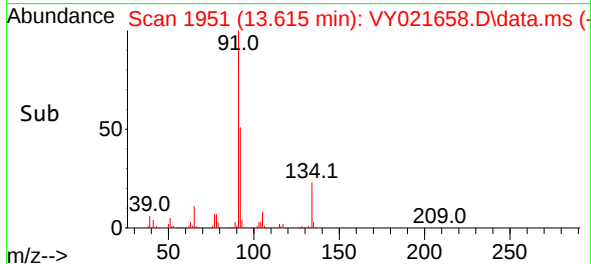
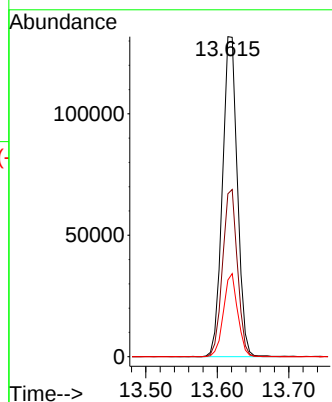
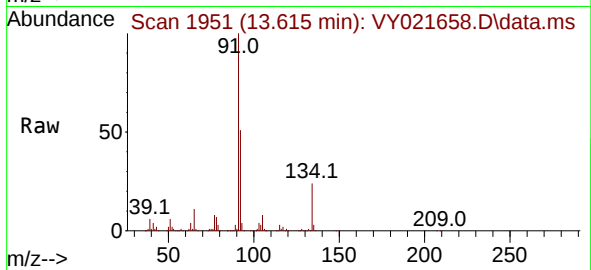




#89
n-Butylbenzene
Concen: 19.416 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

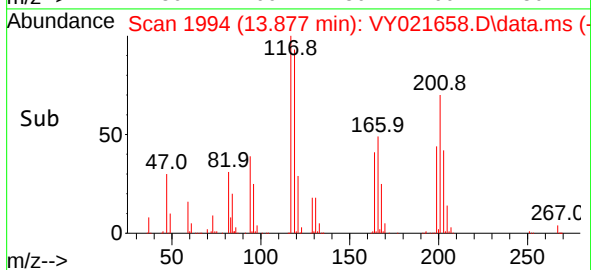
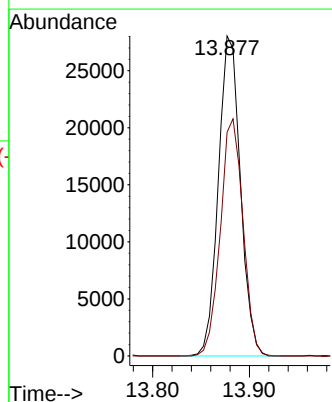
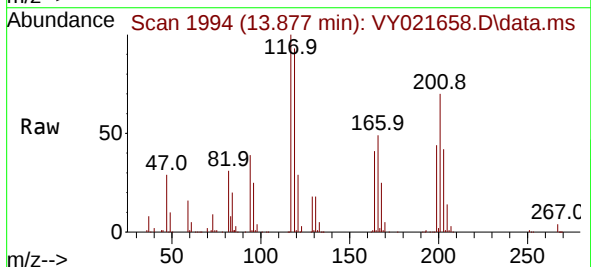
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

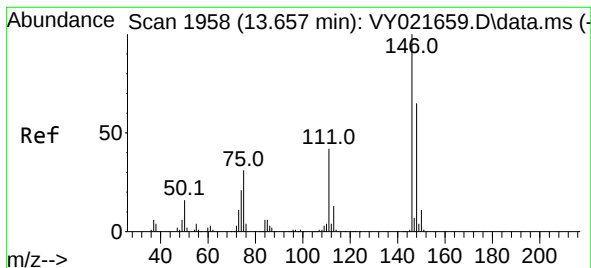
Tgt Ion: 91 Resp: 191838
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.2
134 24.6 12.8 38.4



#90
Hexachloroethane
Concen: 18.928 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 117 Resp: 44313
Ion Ratio Lower Upper
117 100
201 76.0 37.4 112.1





#91

1,2-Dichlorobenzene

Concen: 19.569 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

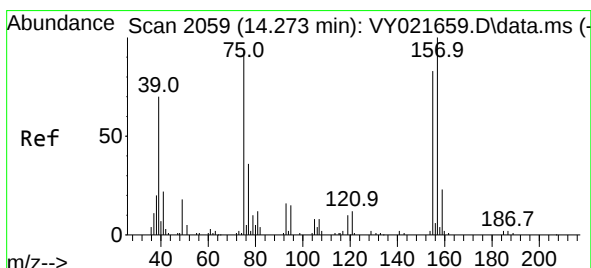
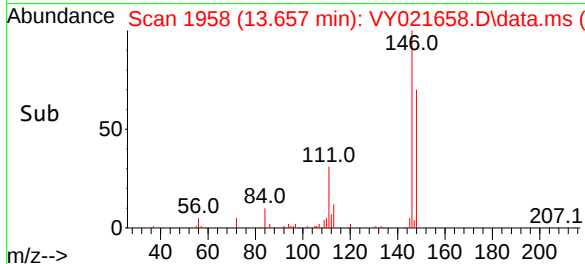
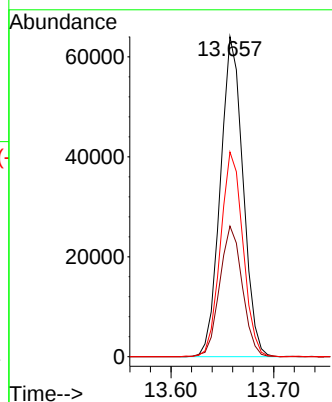
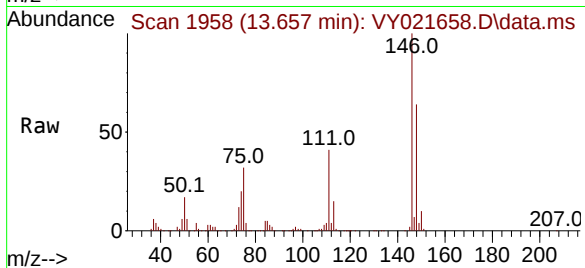
Tgt Ion:146 Resp: 97912

Ion Ratio Lower Upper

146 100

111 40.7 20.7 62.1

148 63.6 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.811 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

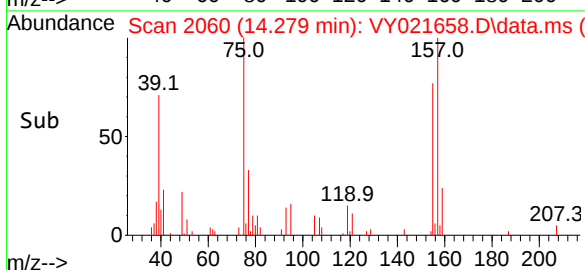
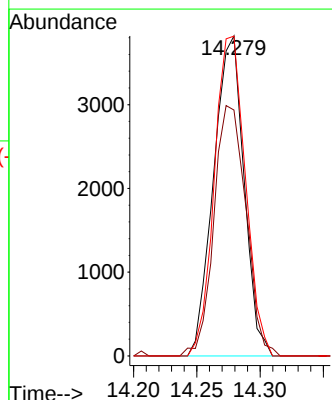
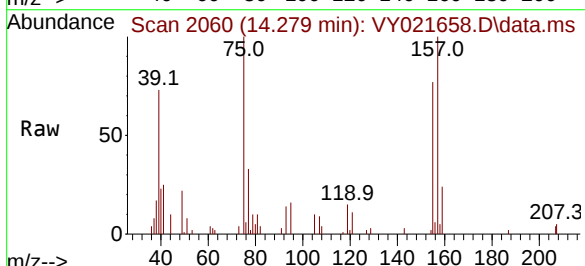
Tgt Ion: 75 Resp: 6369

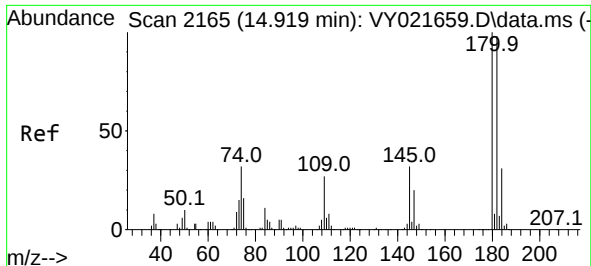
Ion Ratio Lower Upper

75 100

155 82.7 43.0 128.8

157 102.0 54.0 162.0

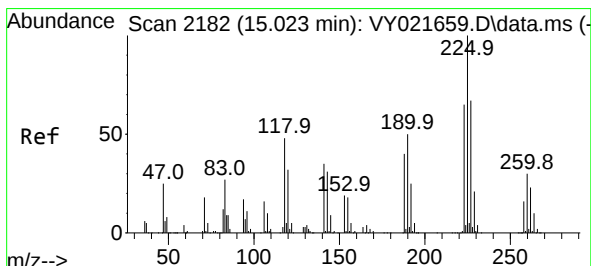
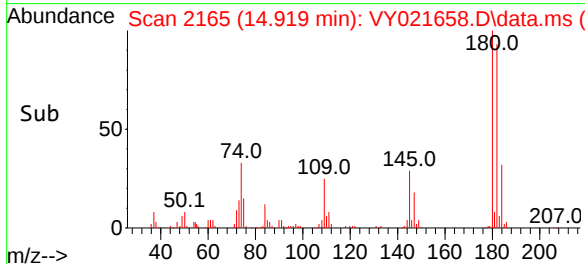
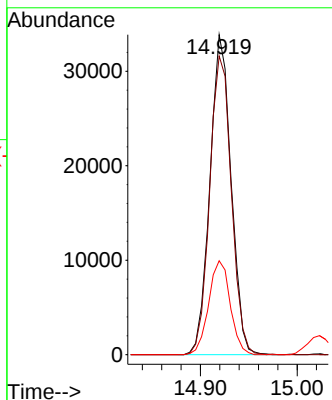
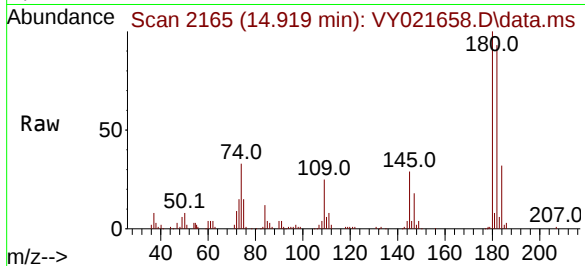




#93
 1,2,4-Trichlorobenzene
 Concen: 18.971 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

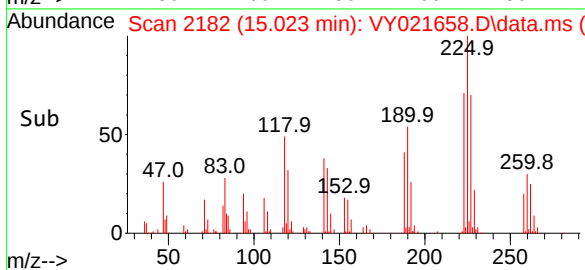
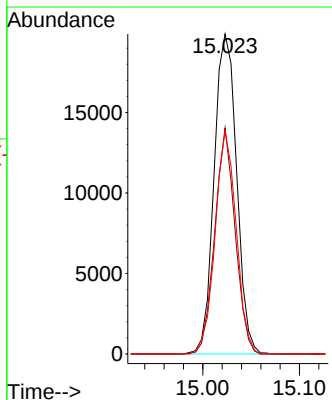
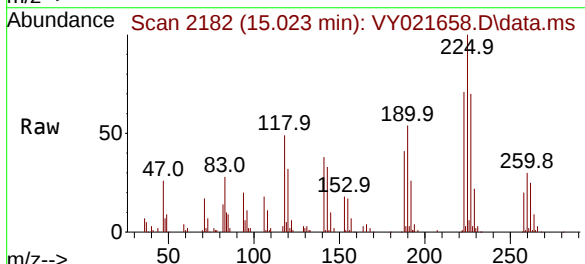
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

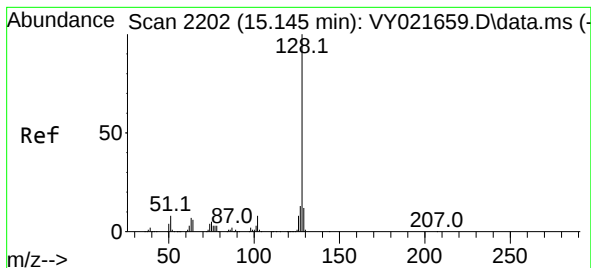
Tgt Ion:180 Resp: 51474
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.5 142.6
 145 30.0 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 18.916 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. 0.000 min
 Lab File: VY021658.D
 Acq: 27 Mar 2025 10:54

Tgt Ion:225 Resp: 32055
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.7
 227 65.5 32.4 97.0





#95

Naphthalene

Concen: 18.305 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

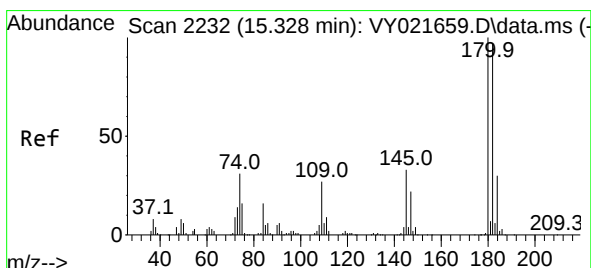
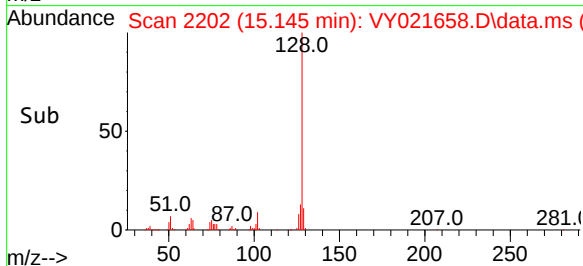
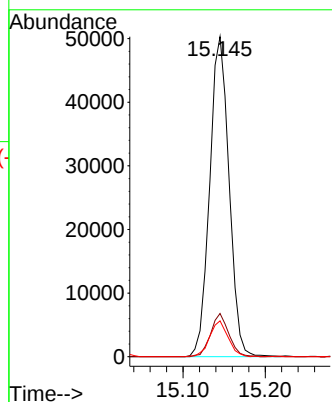
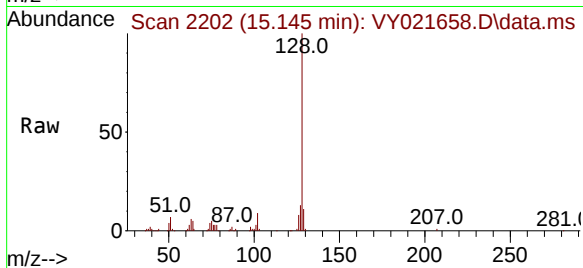
Tgt Ion:128 Resp: 82325

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 19.037 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY021658.D

Acq: 27 Mar 2025 10:54

Tgt Ion:180 Resp: 44047

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.5

145 31.3 15.9 47.7

