

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023386.D
 Acq On : 07 Oct 2025 11:24
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 08 04:41:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	574363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	851961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	746872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382604	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98481	19.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.600%#
35) Dibromofluoromethane	7.634	113	108034	20.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.800%#
50) Toluene-d8	10.103	98	401067	20.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	41.140%#
62) 4-Bromofluorobenzene	12.401	95	127216	20.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.360%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	91924	20.318	ug/l	98
3) Chloromethane	2.074	50	117585	18.284	ug/l	100
4) Vinyl Chloride	2.202	62	151460	18.652	ug/l	99
5) Bromomethane	2.586	94	125948	18.907	ug/l	97
6) Chloroethane	2.732	64	103973	18.859	ug/l	94
7) Trichlorofluoromethane	3.049	101	217452	20.846	ug/l	99
8) Diethyl Ether	3.452	74	54124	19.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	109936	19.718	ug/l	99
10) Methyl Iodide	4.007	142	119083	18.482	ug/l	99
11) Tert butyl alcohol	4.854	59	34346	117.345	ug/l	98
12) 1,1-Dichloroethene	3.787	96	104778	19.531	ug/l	98
13) Acrolein	3.653	56	48115	97.023	ug/l	98
14) Allyl chloride	4.384	41	125424	18.674	ug/l	98
15) Acrylonitrile	5.055	53	99018	92.641	ug/l	100
16) Acetone	3.866	43	108209	96.742	ug/l	96
17) Carbon Disulfide	4.104	76	303284	18.121	ug/l	99
18) Methyl Acetate	4.384	43	59704	21.002	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	247030	19.667	ug/l	97
20) Methylene Chloride	4.616	84	132229	21.801	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	116410	19.512	ug/l	95
22) Diisopropyl ether	6.018	45	288429	19.366	ug/l	98
23) Vinyl Acetate	5.957	43	748048	91.373	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190012	19.354	ug/l	99
25) 2-Butanone	6.896	43	132159	95.593	ug/l	93
26) 2,2-Dichloropropane	6.884	77	167903	19.247	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133634	19.747	ug/l	99
28) Bromochloromethane	7.244	49	73407	19.273	ug/l	98
29) Tetrahydrofuran	7.262	42	76502	93.229	ug/l	99
30) Chloroform	7.421	83	207096	19.562	ug/l	100
31) Cyclohexane	7.701	56	160159	18.472	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	188861	19.873	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140912	19.317	ug/l	100
37) Ethyl Acetate	6.982	43	55705	19.315	ug/l	98
38) Carbon Tetrachloride	7.817	117	171925	20.289	ug/l	99
39) Methylcyclohexane	9.109	83	182831	19.576	ug/l	99
40) Benzene	8.079	78	450471	19.809	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.262	41	74749	49.906	ug/l #	26
42) 1,2-Dichloroethane	8.158	62	116941	20.206	ug/l	99
43) Isopropyl Acetate	8.195	43	106595	19.002	ug/l #	87
44) Trichloroethene	8.865	130	131459	20.598	ug/l	98
45) 1,2-Dichloropropane	9.140	63	99363	19.417	ug/l	98
46) Dibromomethane	9.231	93	62277	19.896	ug/l	98
47) Bromodichloromethane	9.420	83	156426	19.854	ug/l	98
48) Methyl methacrylate	9.219	41	50661	19.352	ug/l	99
49) 1,4-Dioxane	9.225	88	13636	420.712	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	274059	95.378	ug/l	100
52) Toluene	10.170	92	291453	20.191	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	132848	19.632	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	158580	19.606	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	82183	19.740	ug/l	96
56) Ethyl methacrylate	10.438	69	89244	18.613	ug/l	99
57) 1,3-Dichloropropane	10.719	76	130650	19.389	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	188209	89.723	ug/l	100
59) 2-Hexanone	10.761	43	187387	94.190	ug/l	99
60) Dibromochloromethane	10.908	129	115907	20.412	ug/l	100
61) 1,2-Dibromoethane	11.011	107	78579	20.062	ug/l	100
64) Tetrachloroethene	10.646	164	167648	22.438	ug/l	97
65) Chlorobenzene	11.438	112	326360	20.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116412	20.396	ug/l	99
67) Ethyl Benzene	11.517	91	523606	19.768	ug/l	99
68) m/p-Xylenes	11.627	106	426913	40.211	ug/l	100
69) o-Xylene	11.956	106	195021	19.843	ug/l	96
70) Styrene	11.968	104	327934	20.208	ug/l	99
71) Bromoform	12.133	173	71119	20.814	ug/l #	99
73) Isopropylbenzene	12.255	105	513183	20.136	ug/l	99
74) N-amyl acetate	12.072	43	85063	17.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76821	18.069	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	110236	29.209	ug/l #	100
77) Bromobenzene	12.529	156	135402	20.700	ug/l	98
78) n-propylbenzene	12.596	91	597829	19.945	ug/l	100
79) 2-Chlorotoluene	12.676	91	349203	20.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	418684	20.208	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	26922	19.234	ug/l	98
82) 4-Chlorotoluene	12.773	91	361458	20.000	ug/l	99
83) tert-Butylbenzene	12.993	119	377277	19.983	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	413292	20.162	ug/l	100
85) sec-Butylbenzene	13.176	105	546582	19.990	ug/l	100
86) p-Isopropyltoluene	13.291	119	464005	20.081	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	262901	20.347	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	259217	20.230	ug/l	99
89) n-Butylbenzene	13.615	91	401893	19.697	ug/l	98
90) Hexachloroethane	13.877	117	98983	19.730	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	231199	20.507	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12668	18.802	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	137963	20.770	ug/l	99
94) Hexachlorobutadiene	15.023	225	87575	21.159	ug/l	99
95) Naphthalene	15.145	128	206017	19.467	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	121656	21.113	ug/l	98

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Response via : Initial Calibration

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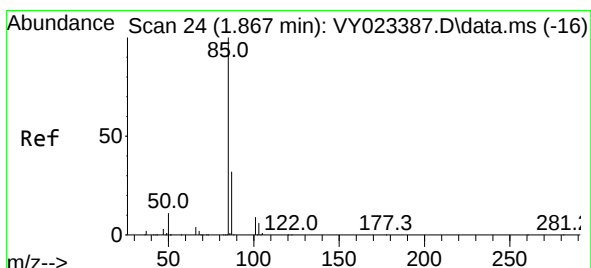
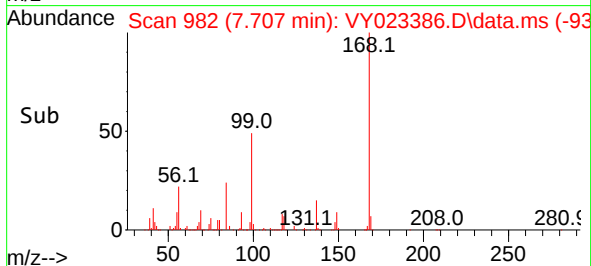
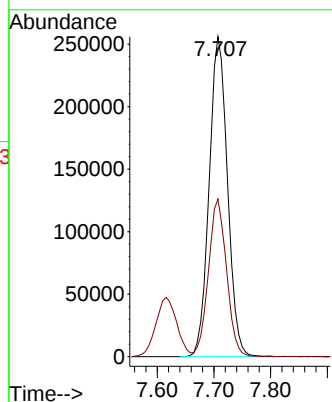
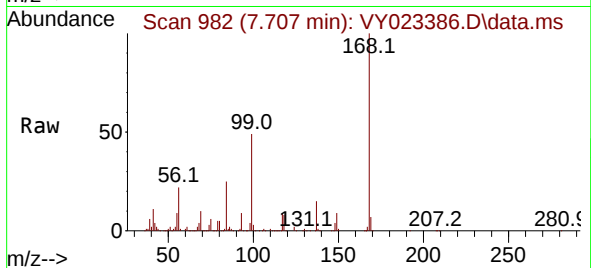
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023386.D
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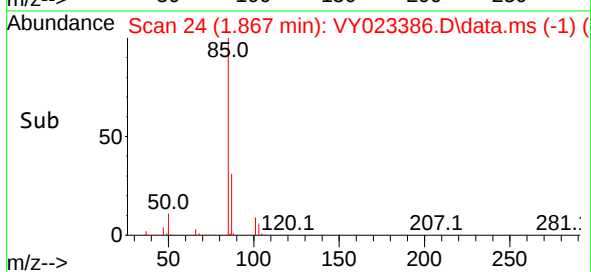
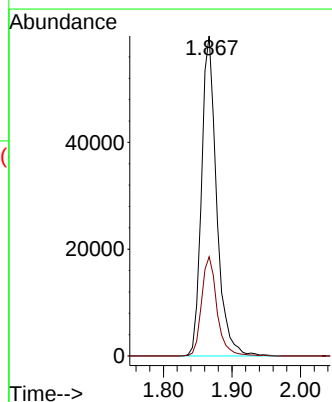
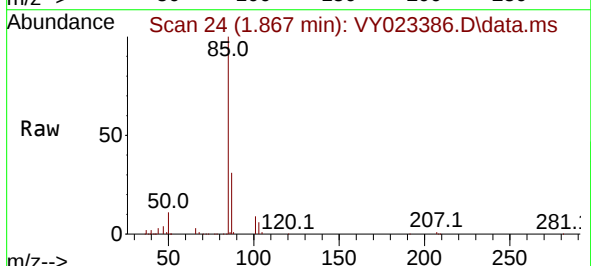
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:168 Resp: 574363
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#2
Dichlorodifluoromethane
Concen: 20.318 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 85 Resp: 91924
Ion Ratio Lower Upper
85 100
87 31.0 16.0 47.9

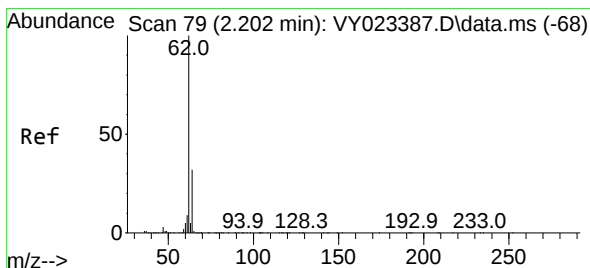
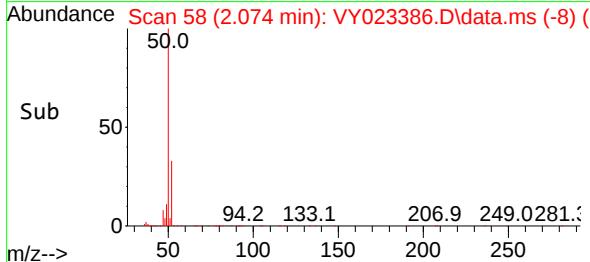
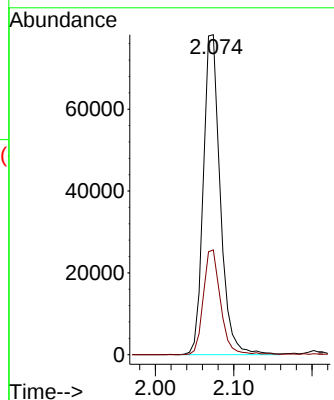
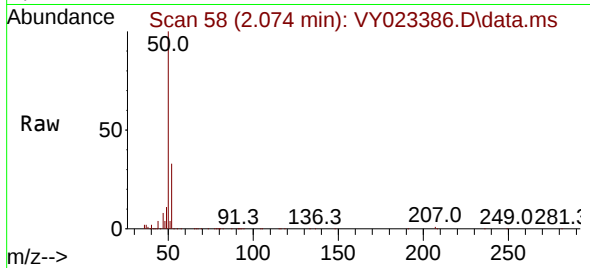




#3
Chloromethane
Concen: 18.284 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

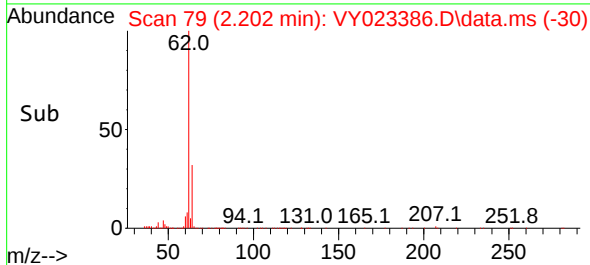
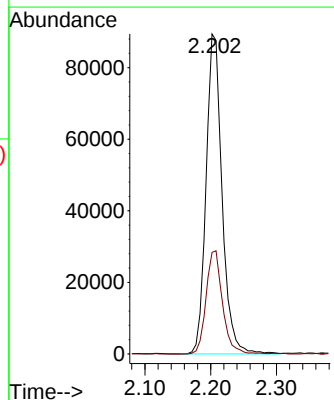
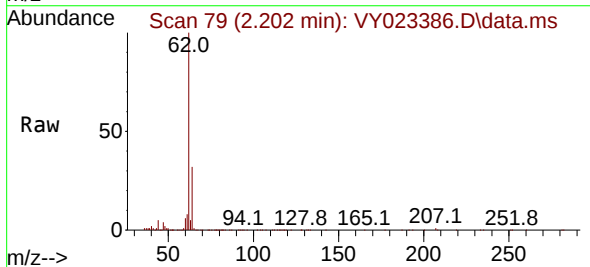
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 117585
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2



#4
Vinyl Chloride
Concen: 18.652 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 151460
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.8

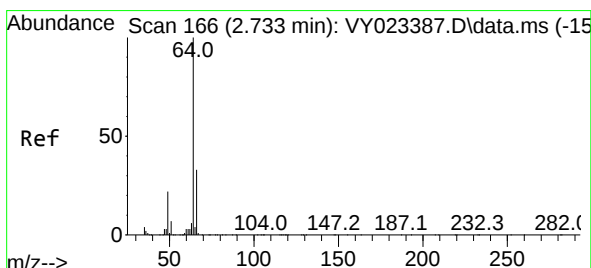
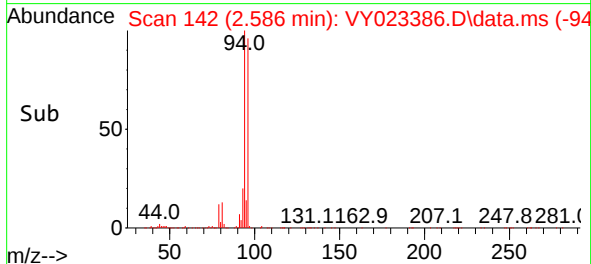
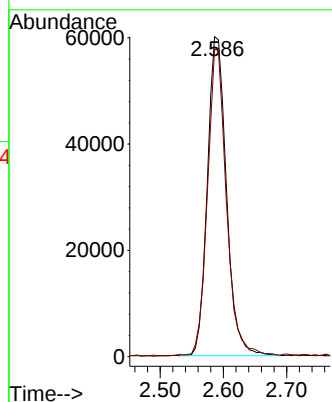
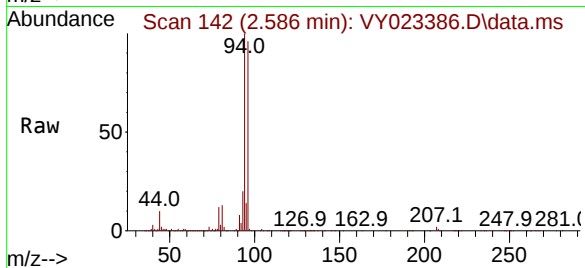




#5
Bromomethane
Concen: 18.907 ug/l
RT: 2.586 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

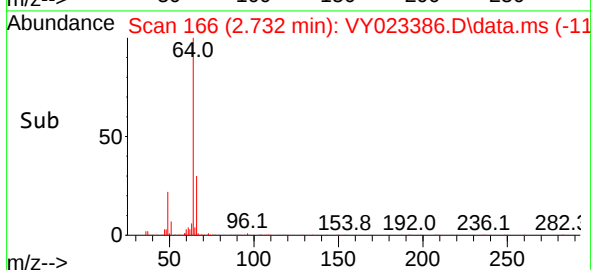
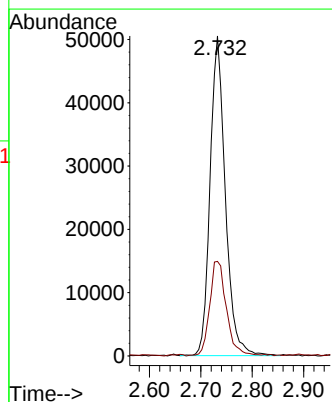
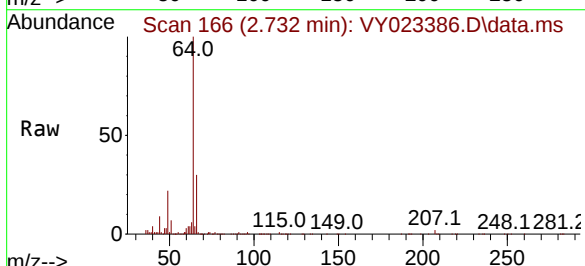
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

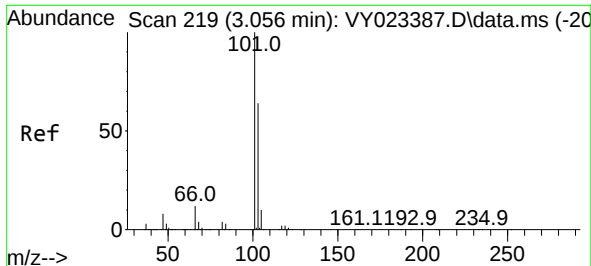
Tgt Ion: 94 Resp: 125948
Ion Ratio Lower Upper
94 100
96 95.9 74.5 111.7



#6
Chloroethane
Concen: 18.859 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 64 Resp: 103973
Ion Ratio Lower Upper
64 100
66 29.3 26.2 39.4

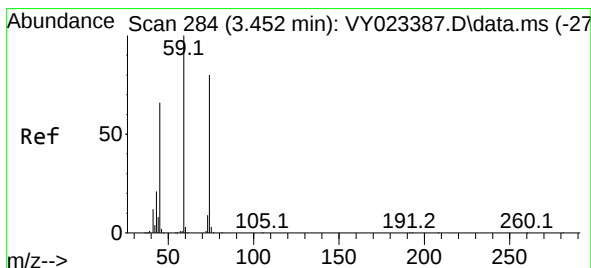
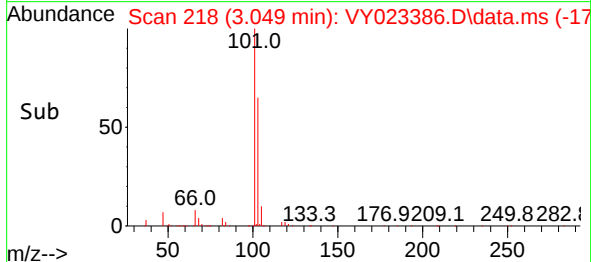
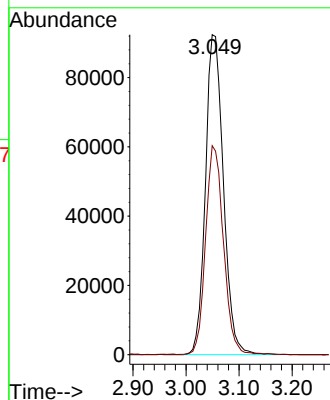
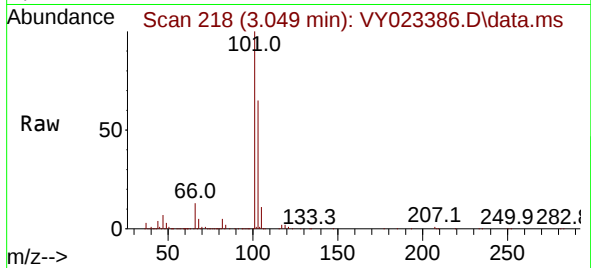




#7
 Trichlorofluoromethane
 Concen: 20.846 ug/l
 RT: 3.049 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY023386.D
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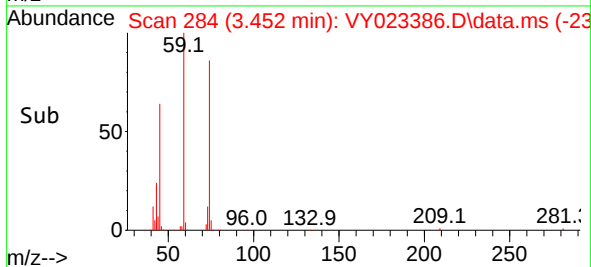
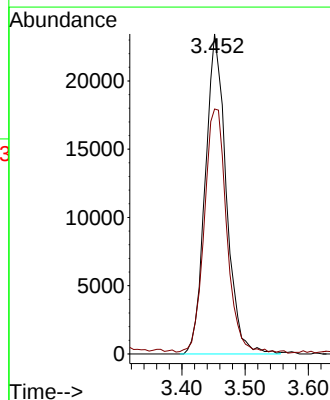
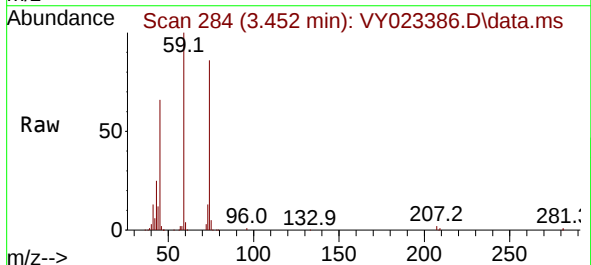
Instrument :
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 ClientSampleId :
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Tgt Ion:101 Resp: 217452
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.3 76.9



#8
 Diethyl Ether
 Concen: 19.837 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. -0.000 min
 Lab File: VY023386.D
 Acq: 07 Oct 2025 11:24

Tgt Ion: 74 Resp: 54124
 Ion Ratio Lower Upper
 74 100
 45 80.6 39.9 119.7

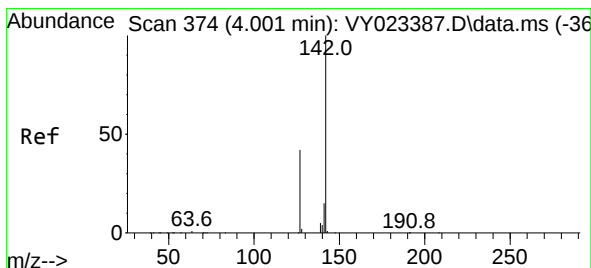
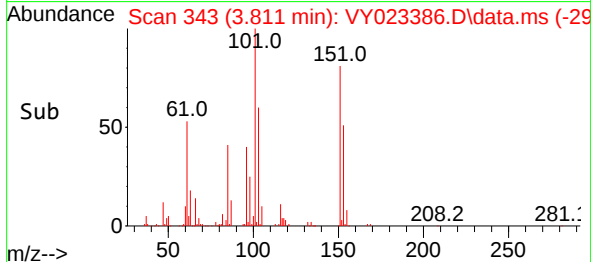
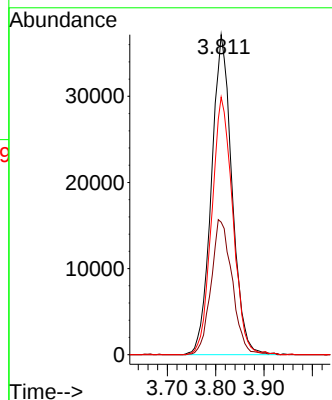
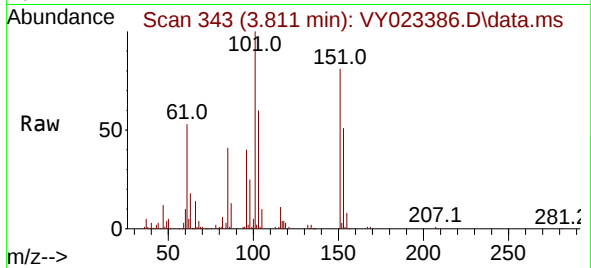




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.718 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
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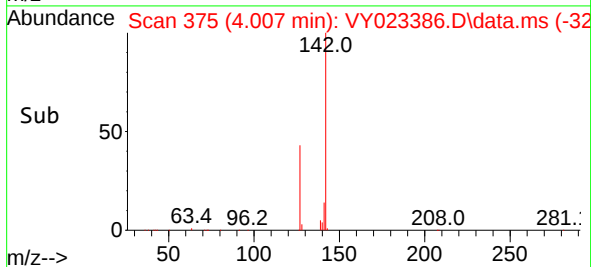
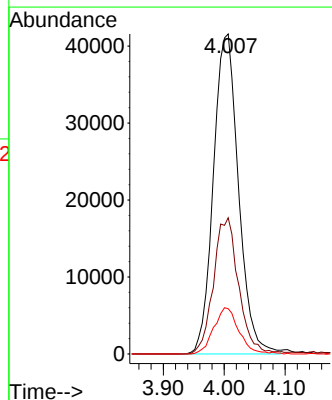
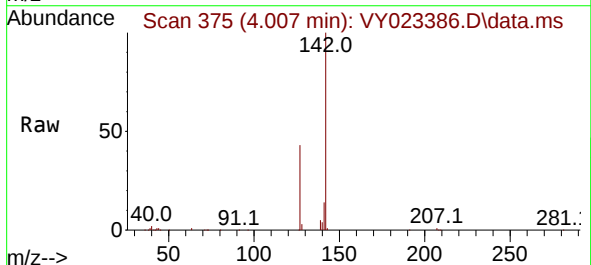
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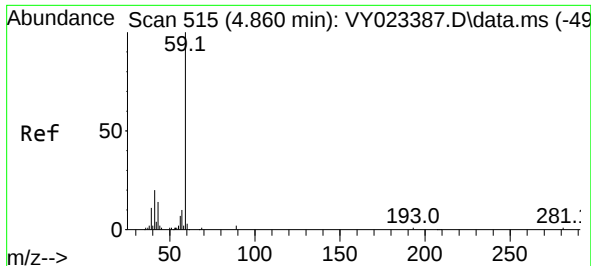
Tgt Ion:101 Resp: 109936
Ion Ratio Lower Upper
101 100
85 43.1 34.6 51.8
151 82.2 67.0 100.6



#10
Methyl Iodide
Concen: 18.482 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:142 Resp: 119083
Ion Ratio Lower Upper
142 100
127 42.9 34.8 52.2
141 14.5 11.6 17.4

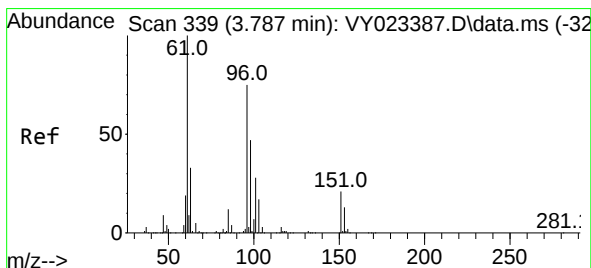
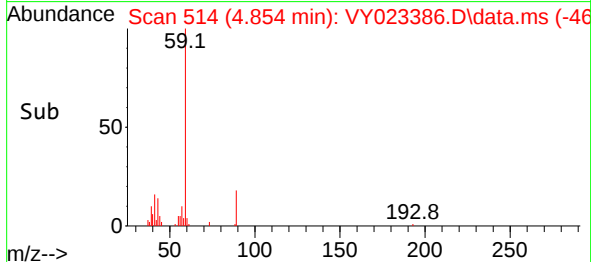
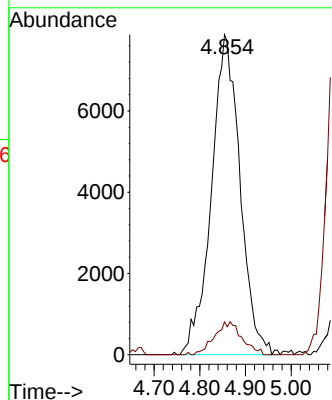
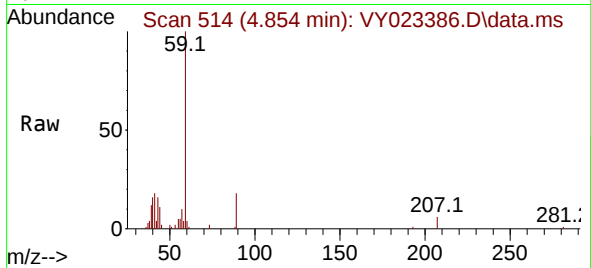




#11
Tert butyl alcohol
Concen: 117.345 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

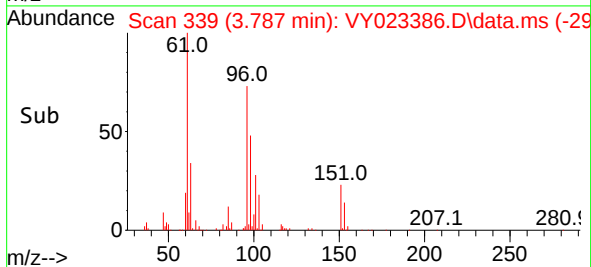
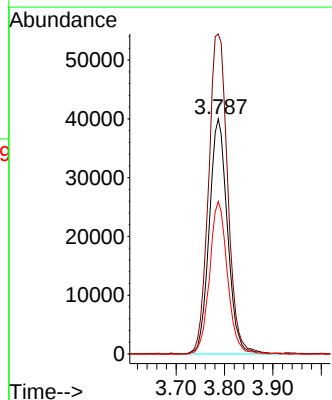
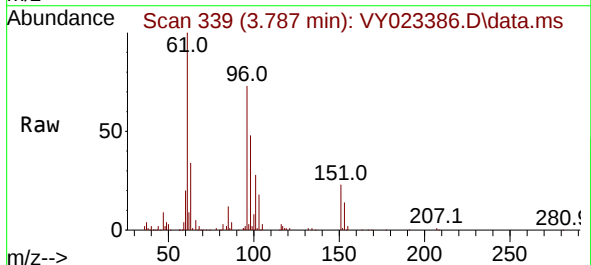
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

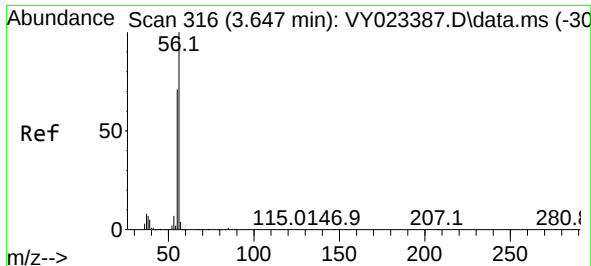
Tgt Ion: 59 Resp: 34346
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.531 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 96 Resp: 104778
Ion Ratio Lower Upper
96 100
61 136.2 106.7 160.1
98 64.9 50.2 75.4

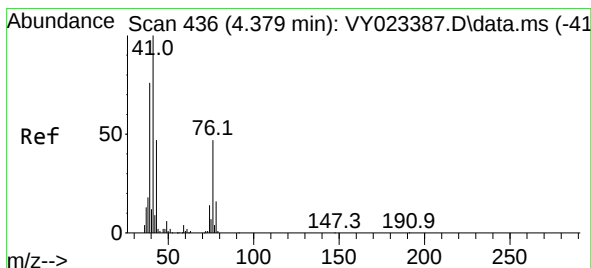
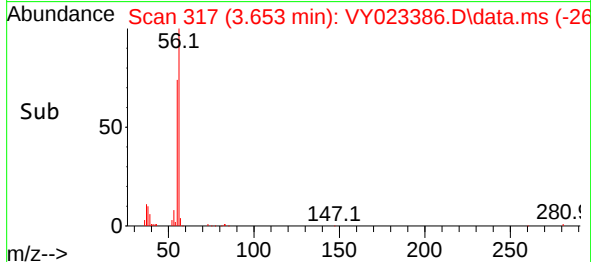
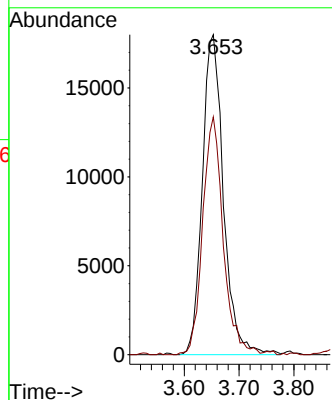
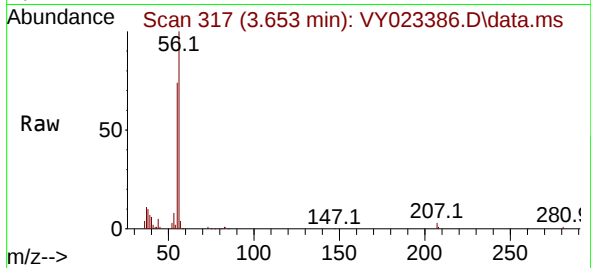




#13
Acrolein
Concen: 97.023 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

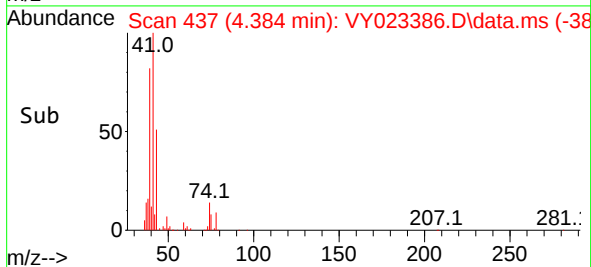
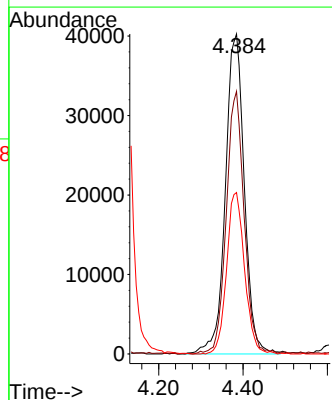
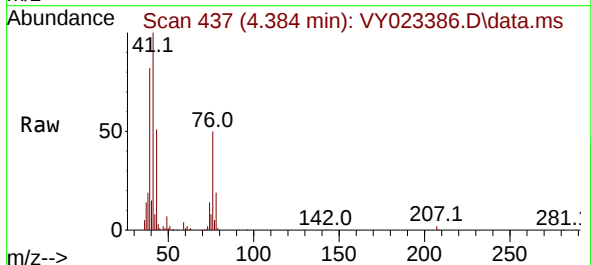
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

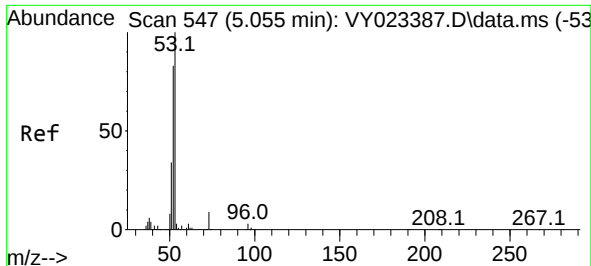
Tgt Ion: 56 Resp: 48115
Ion Ratio Lower Upper
56 100
55 72.0 56.1 84.1



#14
Allyl chloride
Concen: 18.674 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 125424
Ion Ratio Lower Upper
41 100
39 77.6 59.9 89.9
76 47.9 38.0 57.0

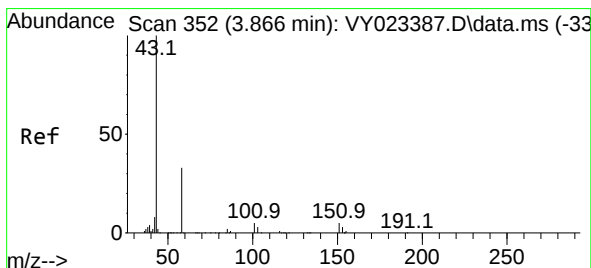
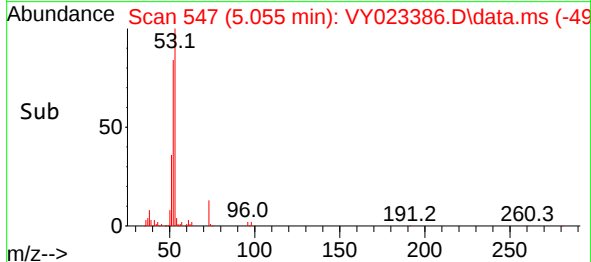
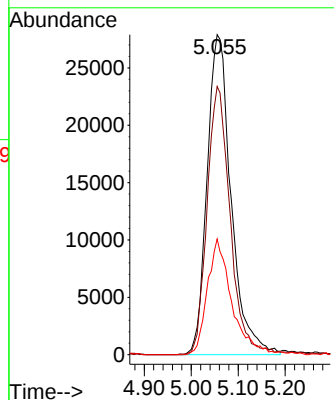
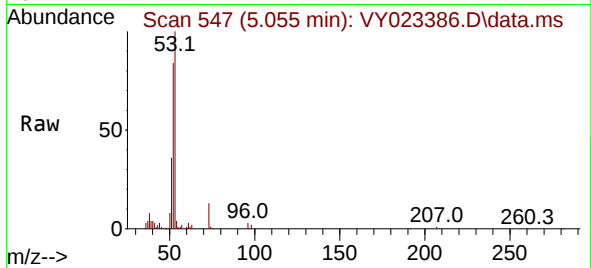




#15
Acrylonitrile
Concen: 92.641 ug/l
RT: 5.055 min Scan# 547
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

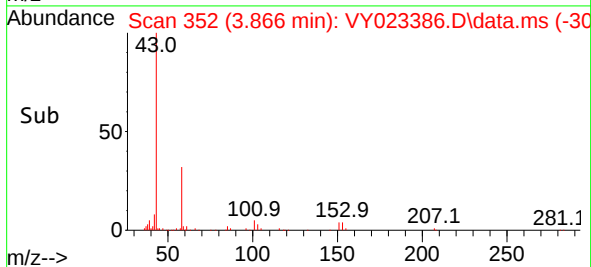
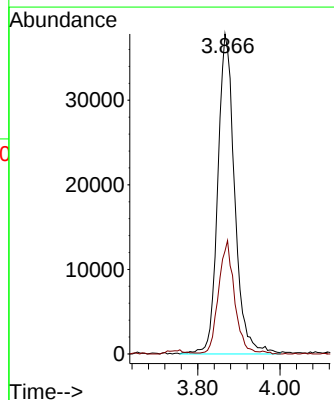
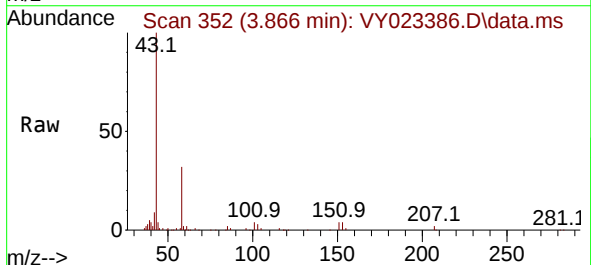
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

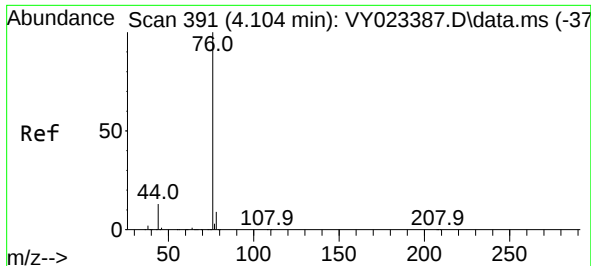
Tgt Ion: 53 Resp: 99018
Ion Ratio Lower Upper
53 100
52 80.7 64.6 97.0
51 36.6 29.5 44.3



#16
Acetone
Concen: 96.742 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 108209
Ion Ratio Lower Upper
43 100
58 32.1 27.7 41.5

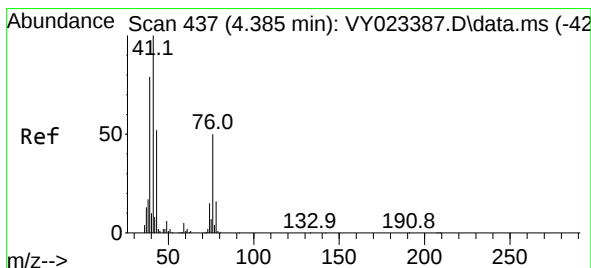
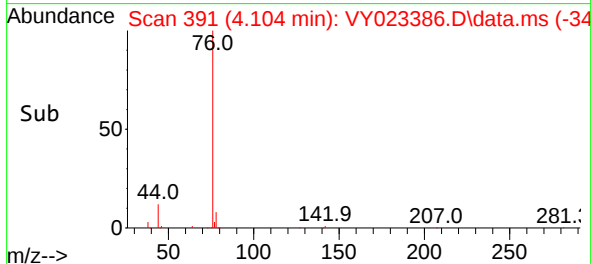
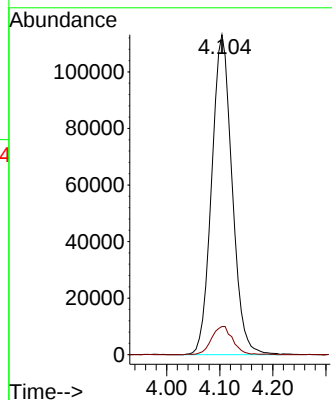
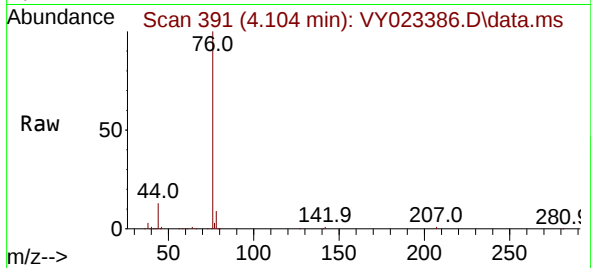




#17
Carbon Disulfide
Concen: 18.121 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

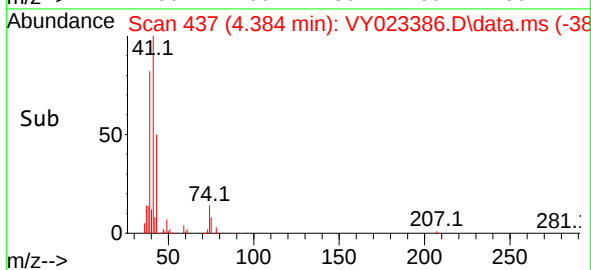
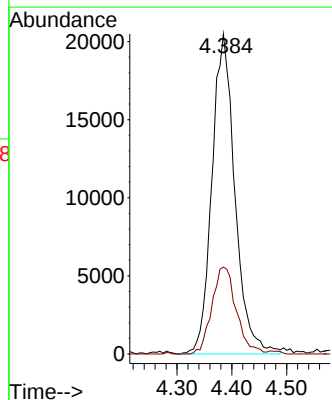
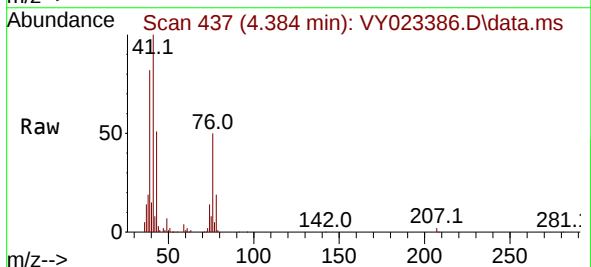
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 303284
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 21.002 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 59704
Ion Ratio Lower Upper
43 100
74 28.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 19.667 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

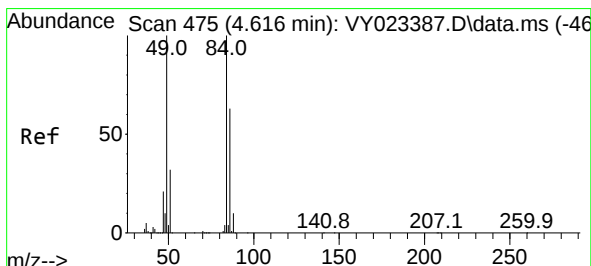
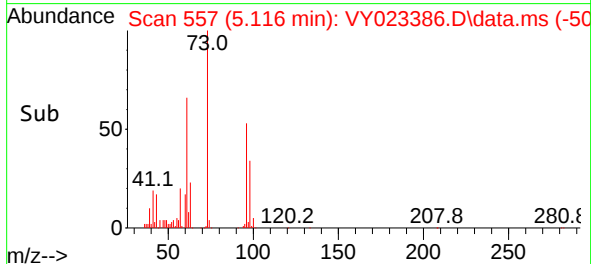
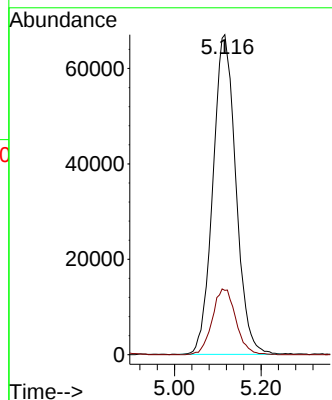
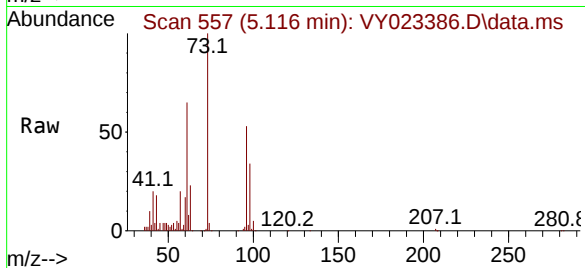
VSTDICC020

Tgt Ion: 73 Resp: 247030

Ion Ratio Lower Upper

73 100

57 20.1 17.4 26.0



#20

Methylene Chloride

Concen: 21.801 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion: 84 Resp: 132229

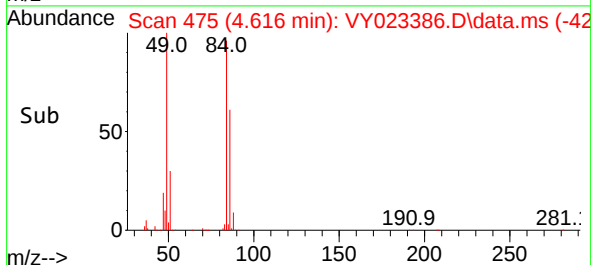
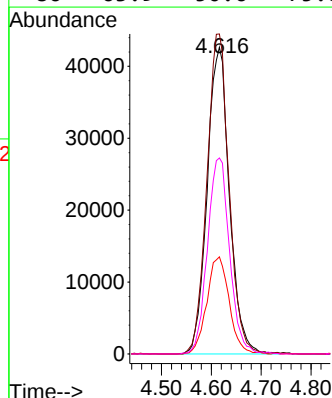
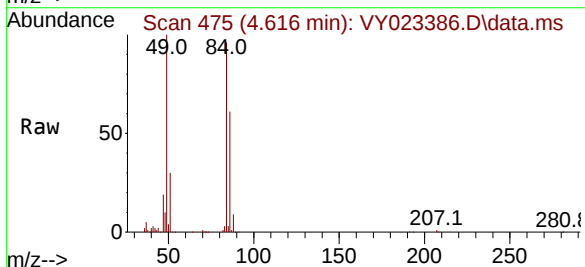
Ion Ratio Lower Upper

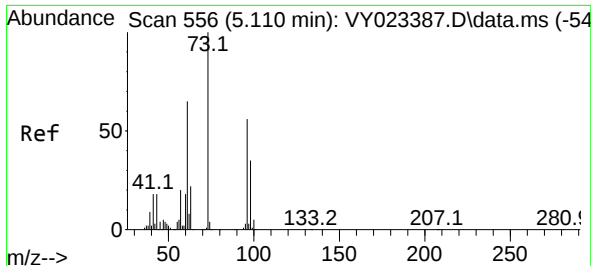
84 100

49 104.2 80.2 120.4

51 31.7 25.9 38.9

86 63.9 50.6 75.8

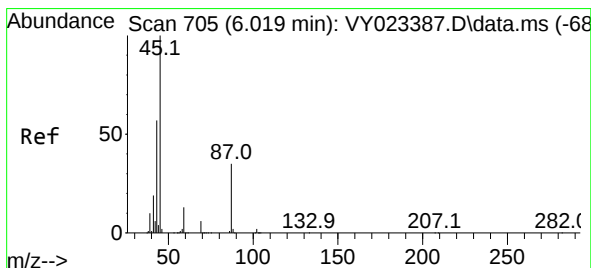
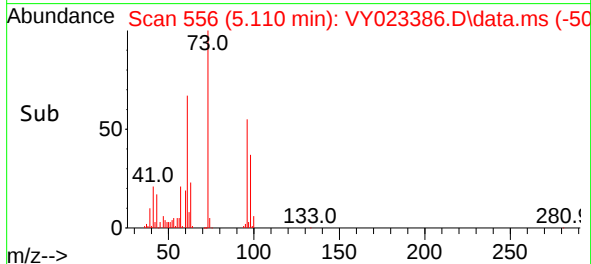
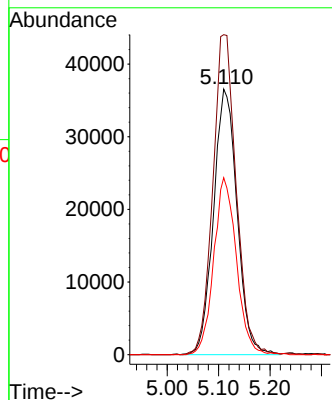
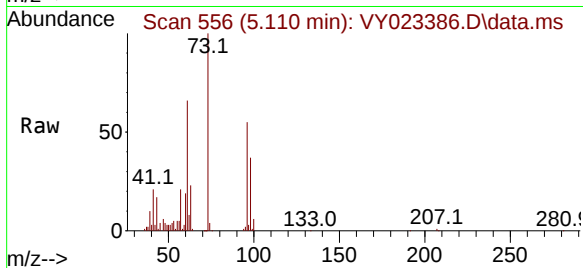




#21
trans-1,2-Dichloroethene
Concen: 19.512 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

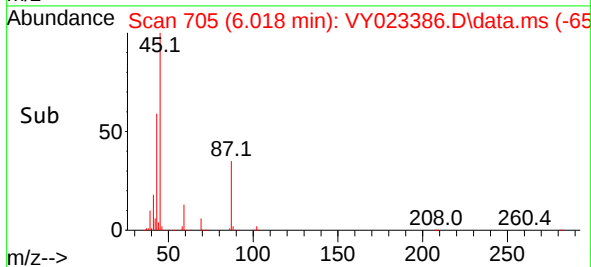
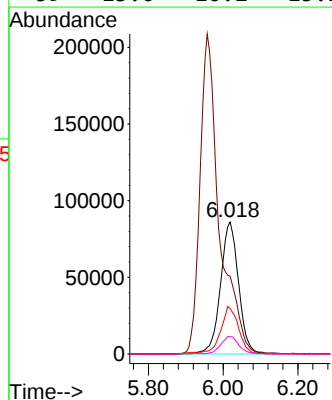
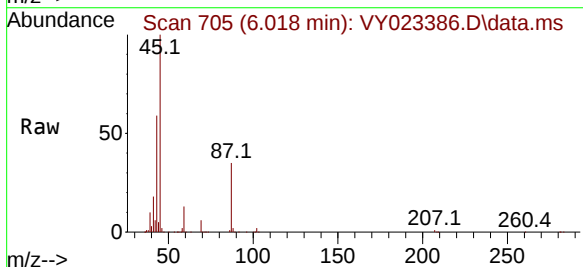
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

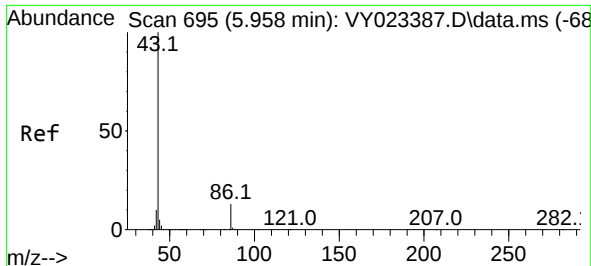
Tgt Ion: 96 Resp: 116410
Ion Ratio Lower Upper
96 100
61 120.5 92.7 139.1
98 66.7 49.7 74.5



#22
Diisopropyl ether
Concen: 19.366 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 45 Resp: 288429
Ion Ratio Lower Upper
45 100
43 58.8 45.6 68.4
87 34.5 28.1 42.1
59 13.0 10.2 15.2

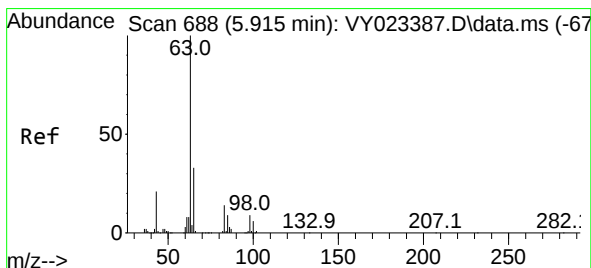
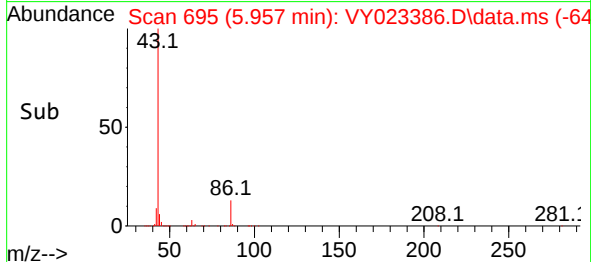
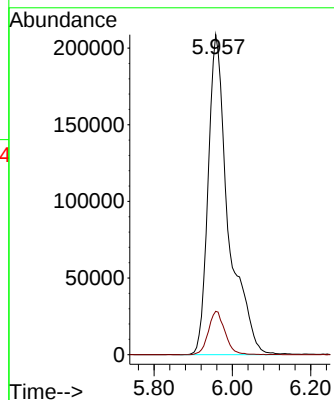
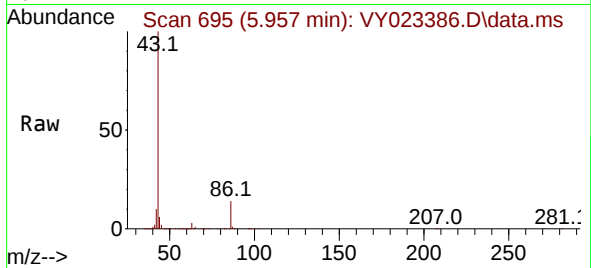




#23
 Vinyl Acetate
 Concen: 91.373 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VY023386.D
 Acq: 07 Oct 2025 11:24

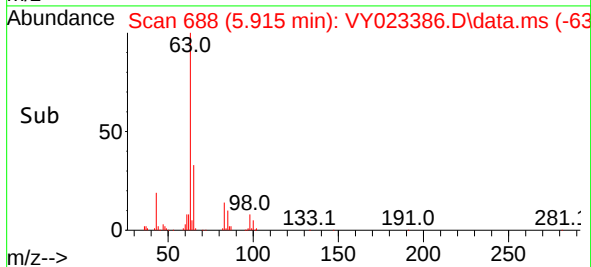
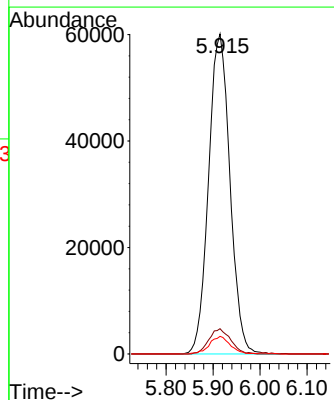
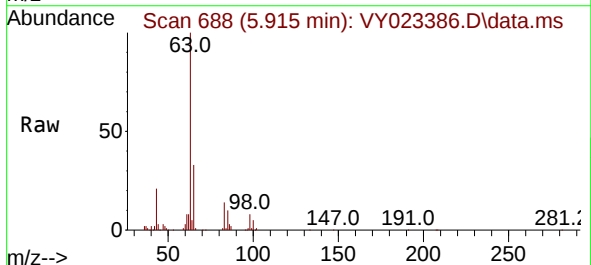
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

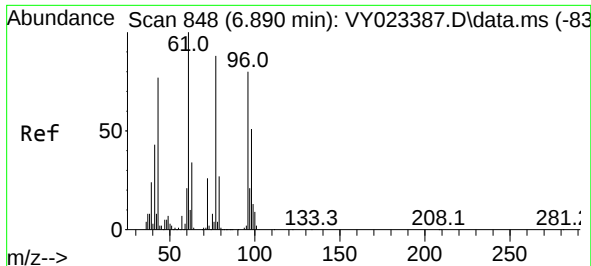
Tgt Ion: 43 Resp: 748048
 Ion Ratio Lower Upper
 43 100
 86 13.5 10.6 15.8



#24
 1,1-Dichloroethane
 Concen: 19.354 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY023386.D
 Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190012
 Ion Ratio Lower Upper
 63 100
 98 7.9 4.3 13.1
 100 5.5 2.8 8.4





#25

2-Butanone

Concen: 95.593 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

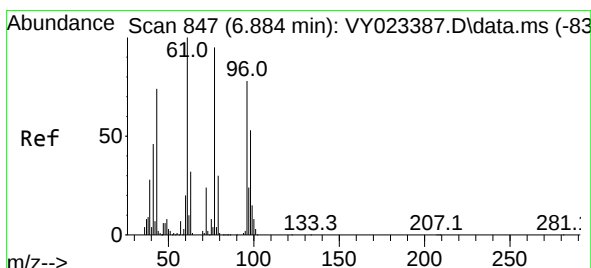
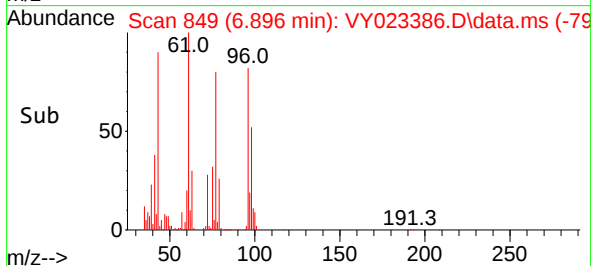
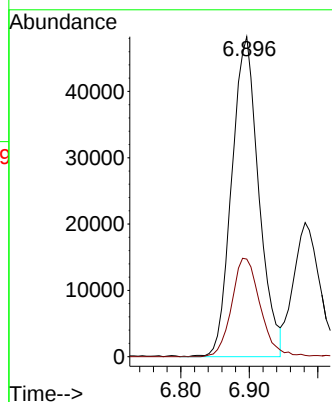
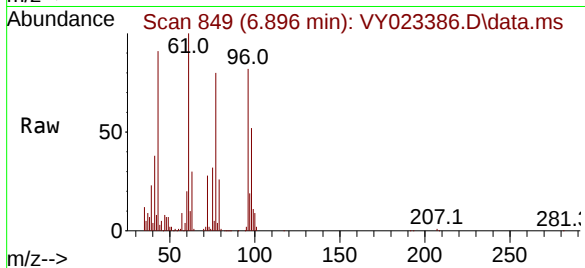
VSTDICC020

Tgt Ion: 43 Resp: 132159

Ion Ratio Lower Upper

43 100

72 30.5 27.4 41.2



#26

2,2-Dichloropropane

Concen: 19.247 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY023386.D

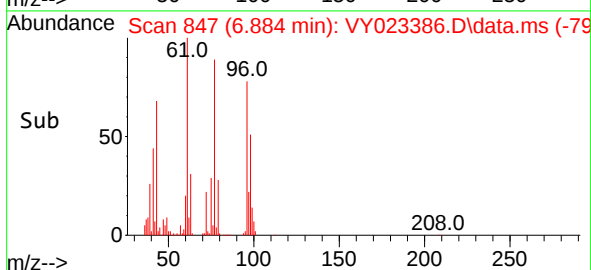
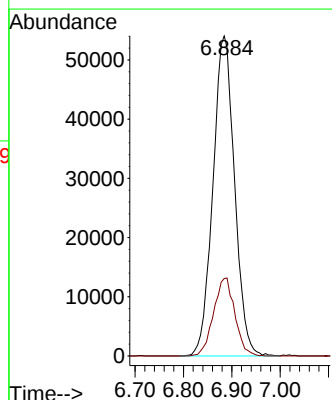
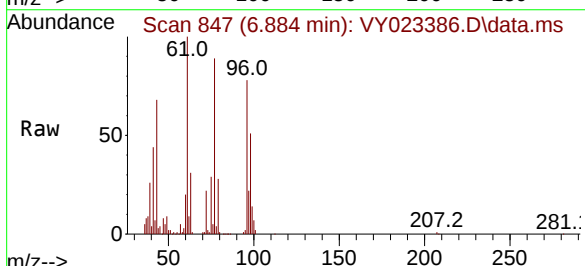
Acq: 07 Oct 2025 11:24

Tgt Ion: 77 Resp: 167903

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.747 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

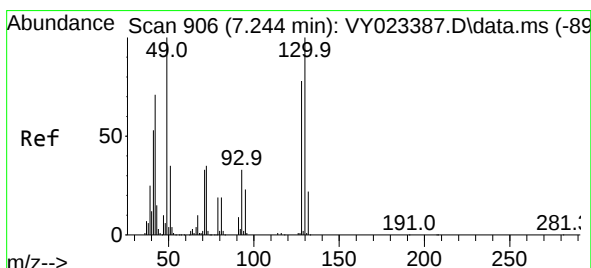
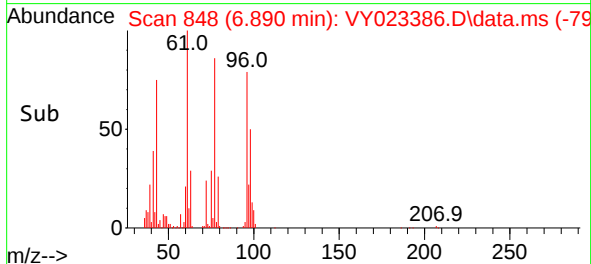
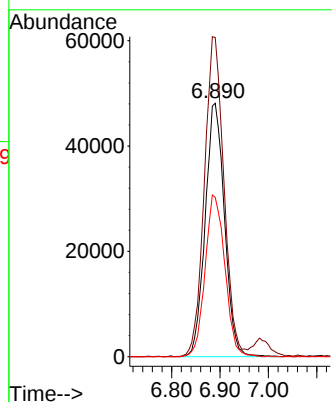
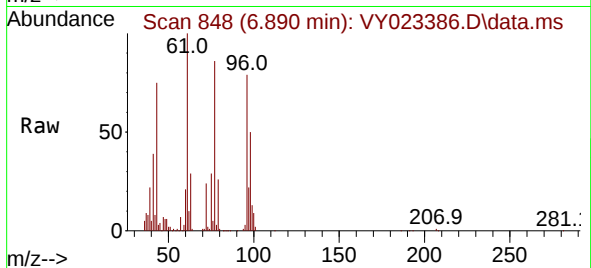
Tgt Ion: 96 Resp: 133634

Ion Ratio Lower Upper

96 100

61 128.1 0.0 258.2

98 65.3 0.0 132.0



#28

Bromochloromethane

Concen: 19.273 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

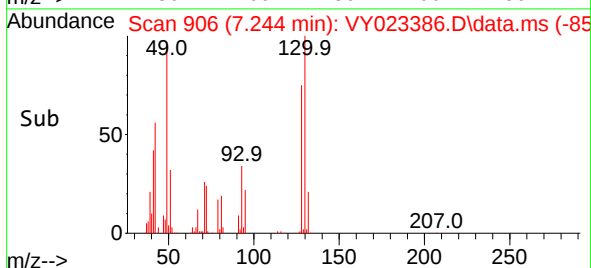
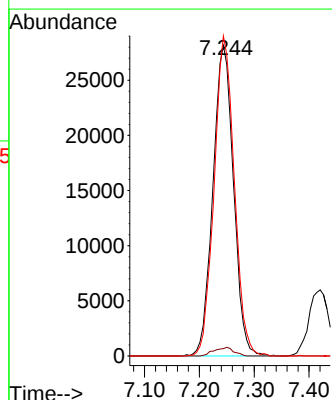
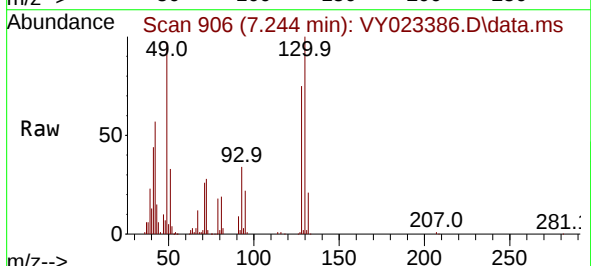
Tgt Ion: 49 Resp: 73407

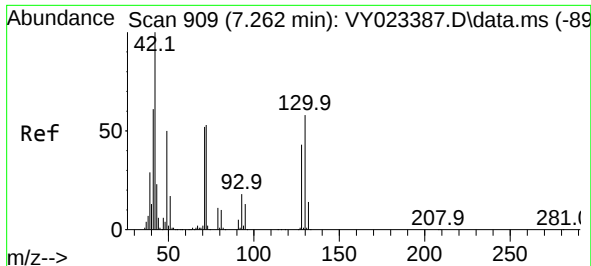
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

130 100.8 81.9 122.9

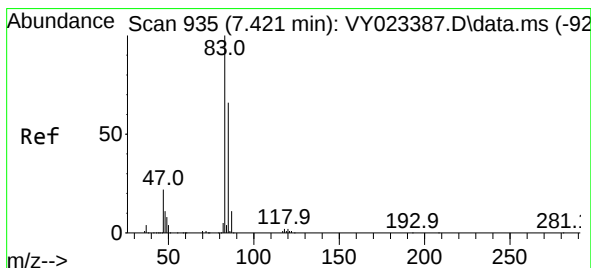
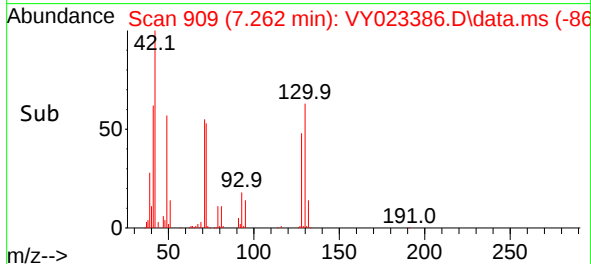
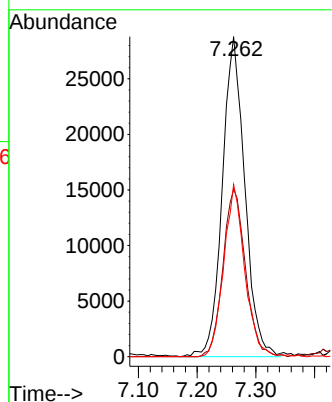
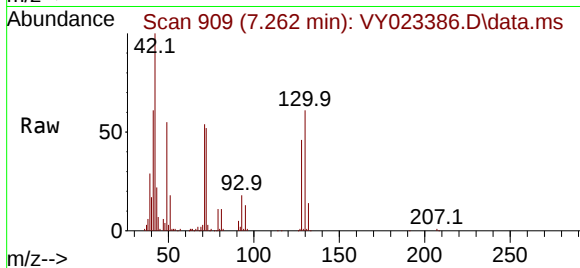




#29
Tetrahydrofuran
Concen: 93.229 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

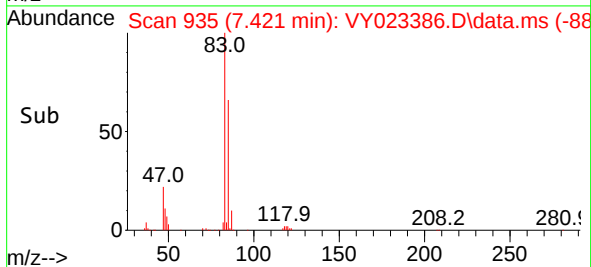
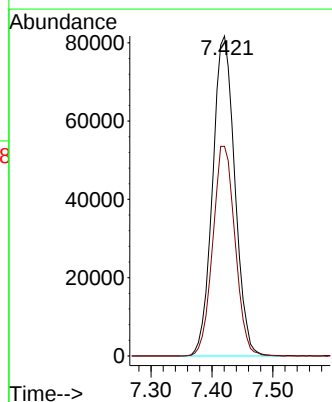
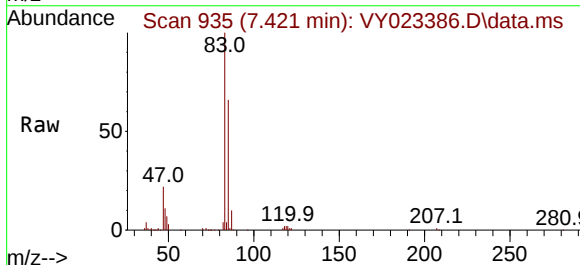
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

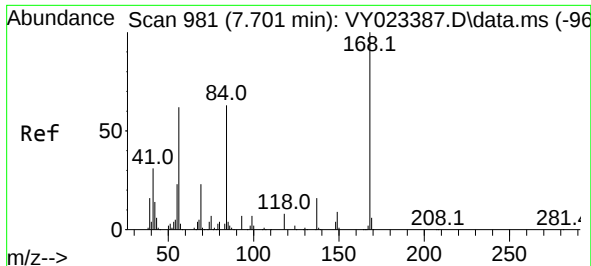
Tgt Ion: 42 Resp: 76502
Ion Ratio Lower Upper
42 100
72 52.7 43.0 64.6
71 50.6 40.1 60.1



#30
Chloroform
Concen: 19.562 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 207096
Ion Ratio Lower Upper
83 100
85 65.5 52.5 78.7

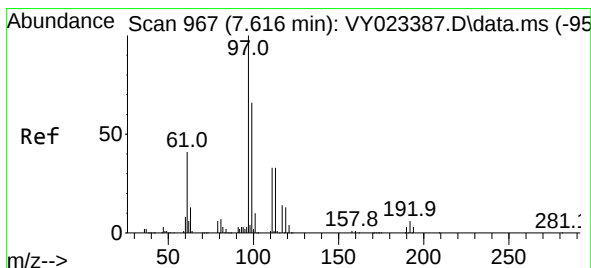
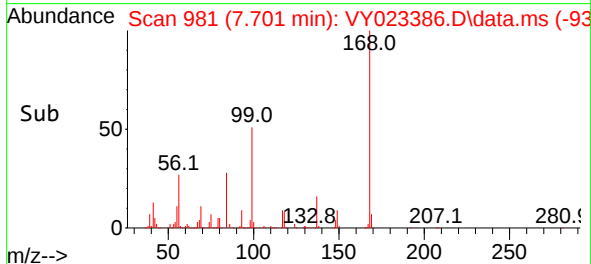
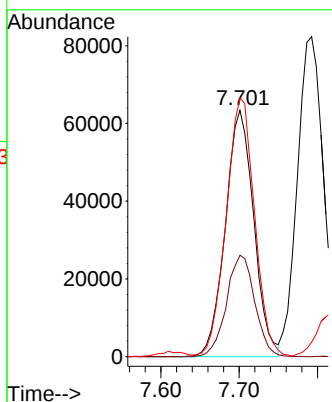
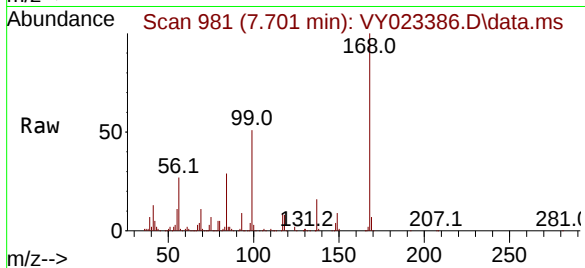




#31
Cyclohexane
Concen: 18.472 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

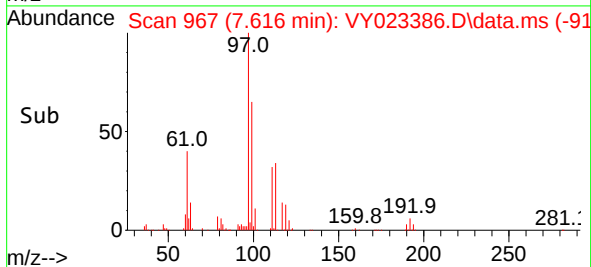
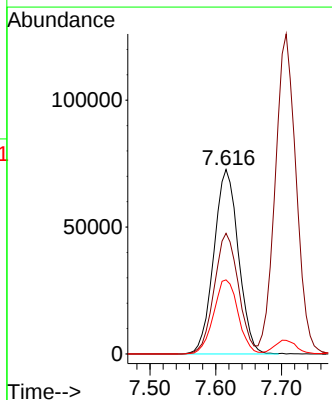
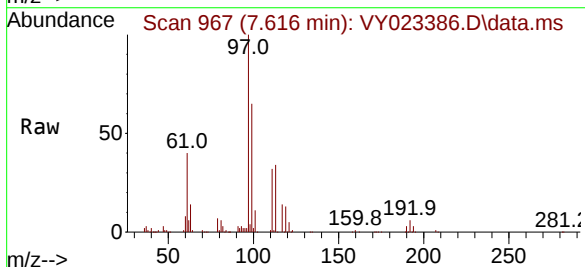
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

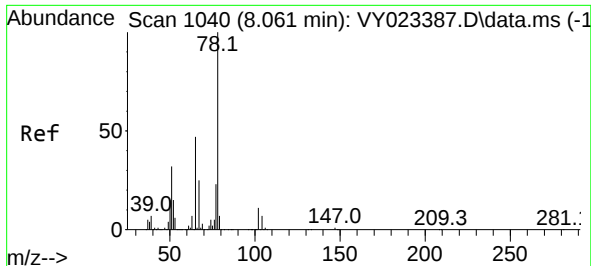
Tgt Ion: 56 Resp: 160159
Ion Ratio Lower Upper
56 100
69 41.2 30.0 45.0
84 103.3 81.2 121.8



#32
1,1,1-Trichloroethane
Concen: 19.873 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 188861
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 40.1 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 19.798 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

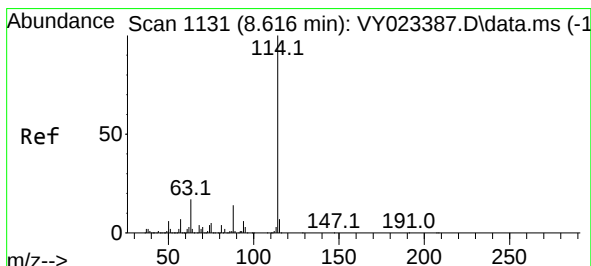
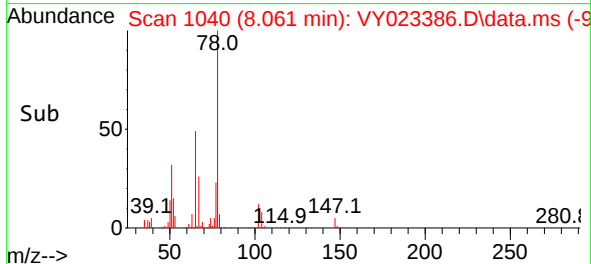
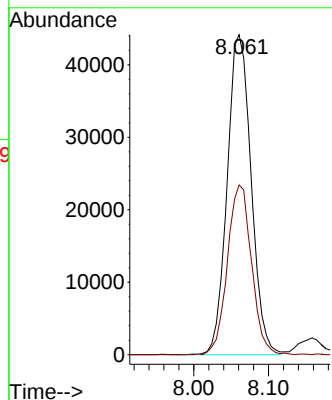
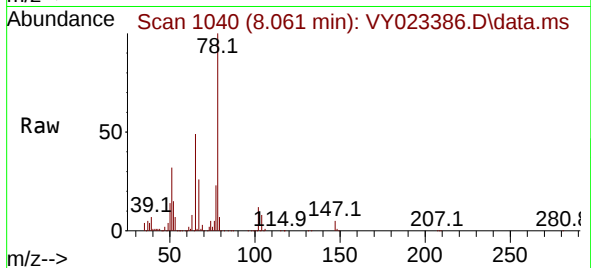
VSTDICC020

Tgt Ion: 65 Resp: 98481

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

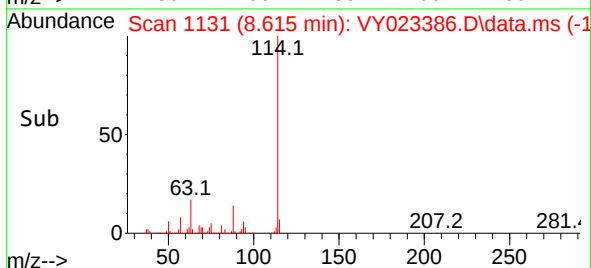
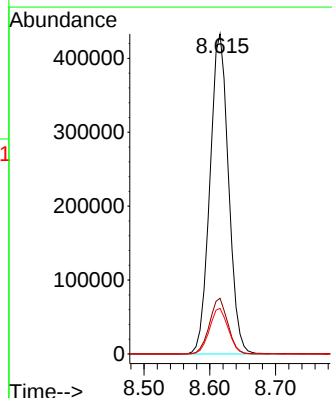
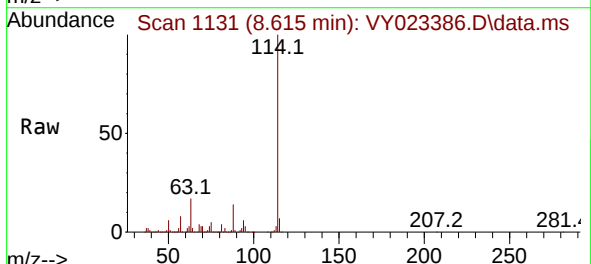
Tgt Ion: 114 Resp: 851961

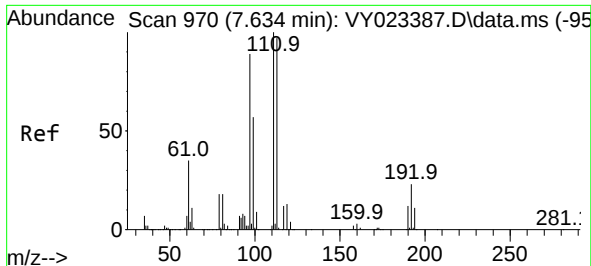
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.2

88 14.3 0.0 28.4

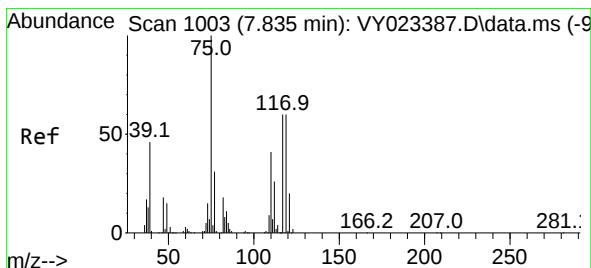
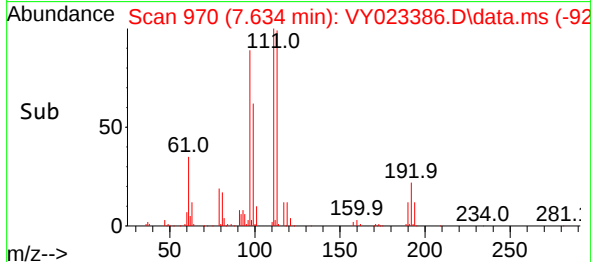
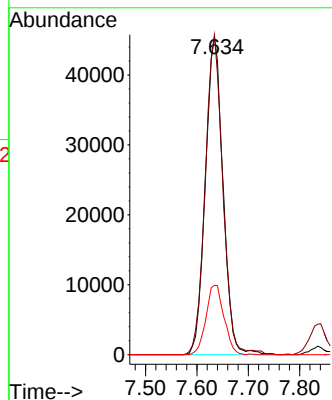
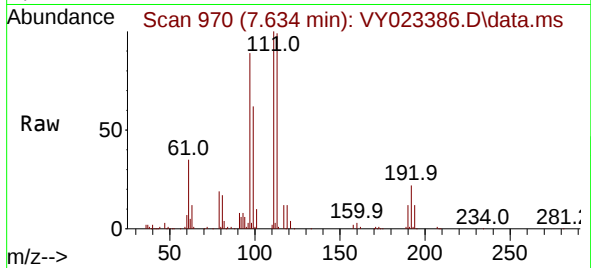




#35
Dibromofluoromethane
Concen: 20.895 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

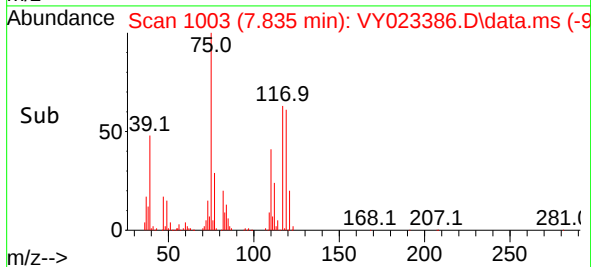
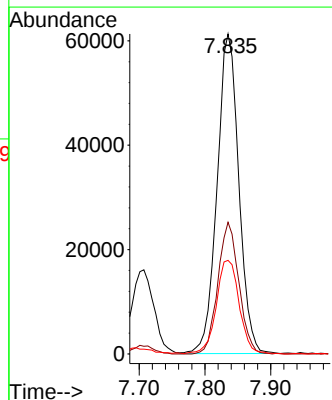
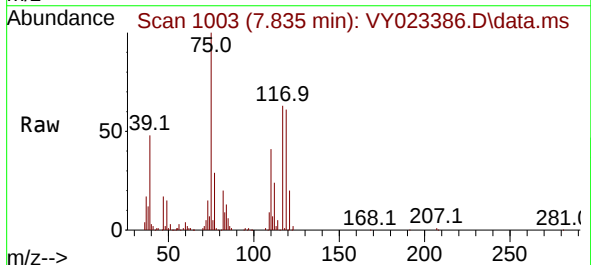
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

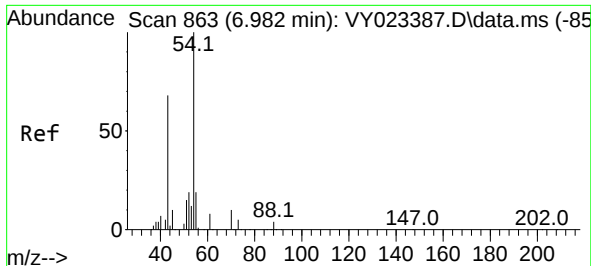
Tgt Ion:113 Resp: 108034
Ion Ratio Lower Upper
113 100
111 100.9 81.8 122.6
192 22.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 19.317 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 140912
Ion Ratio Lower Upper
75 100
110 39.7 19.9 59.7
77 31.0 25.0 37.6

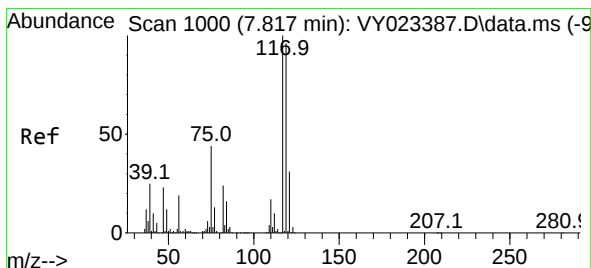
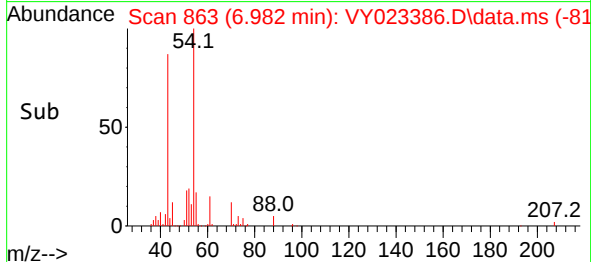
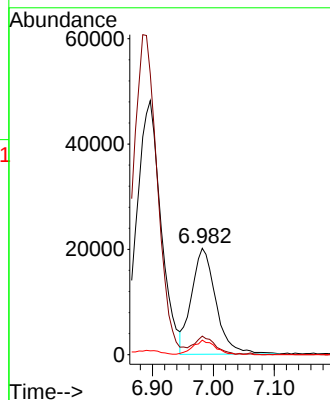
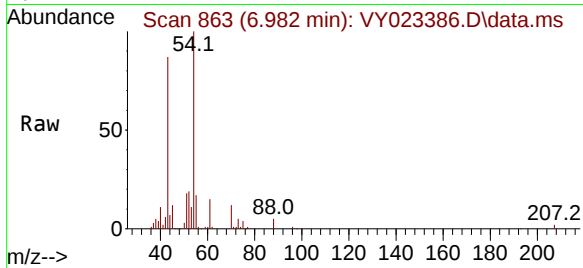




#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 6.982 min Scan# 863
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

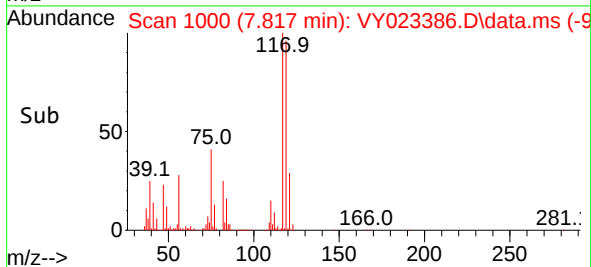
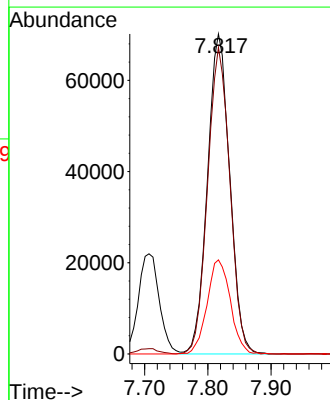
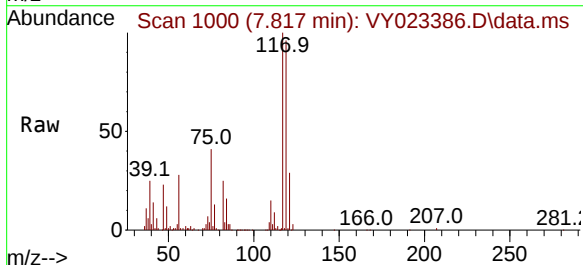
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

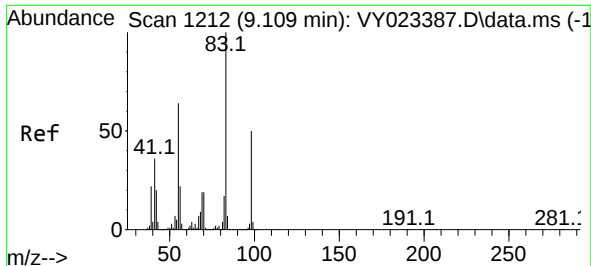
Tgt Ion: 43 Resp: 55705
Ion Ratio Lower Upper
43 100
61 13.9 11.8 17.8
70 12.7 10.5 15.7



#38
Carbon Tetrachloride
Concen: 20.289 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 117 Resp: 171925
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2
121 29.4 24.5 36.7





#39

Methylcyclohexane

Concen: 19.576 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

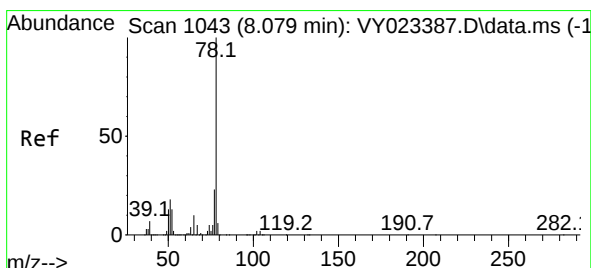
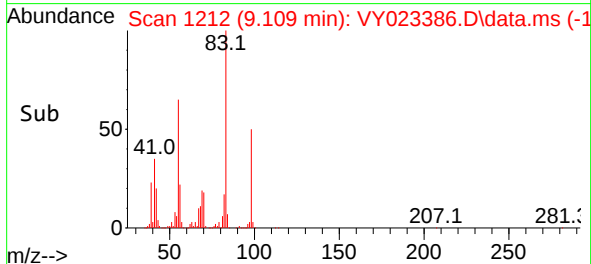
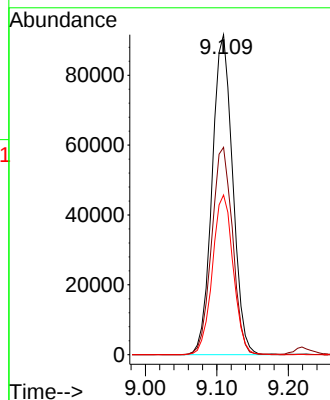
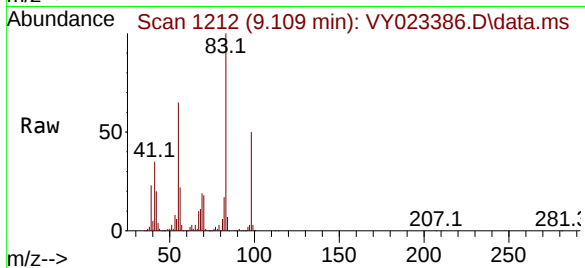
Tgt Ion: 83 Resp: 182831

Ion Ratio Lower Upper

83 100

55 64.8 51.4 77.2

98 49.9 40.4 60.6



#40

Benzene

Concen: 19.809 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY023386.D

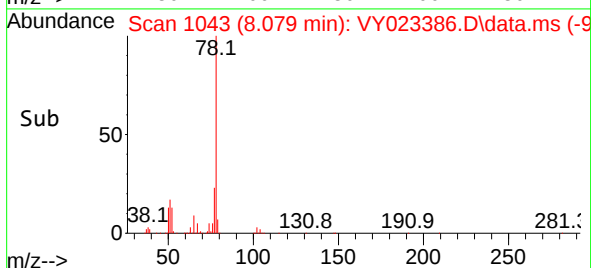
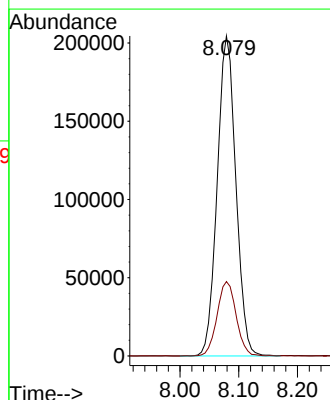
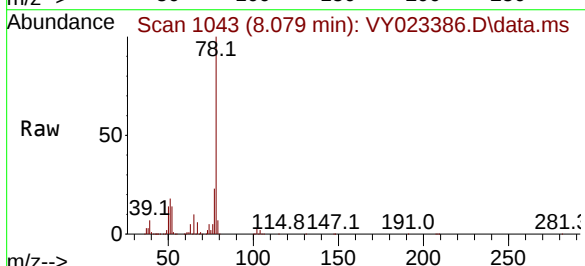
Acq: 07 Oct 2025 11:24

Tgt Ion: 78 Resp: 450471

Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5

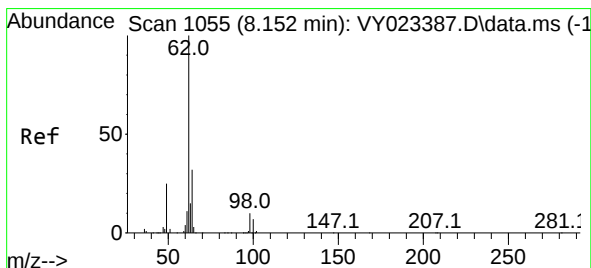
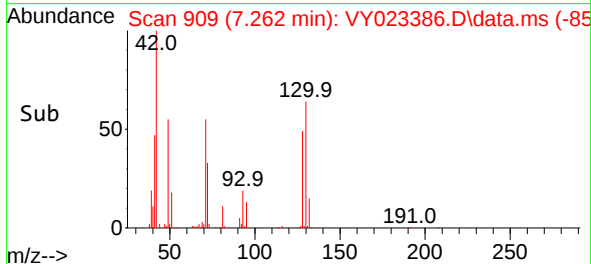
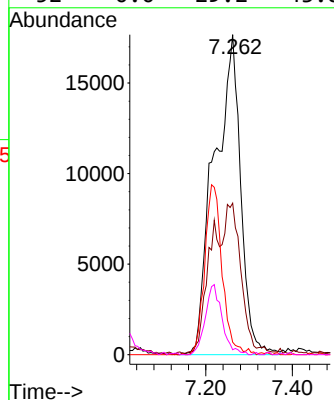
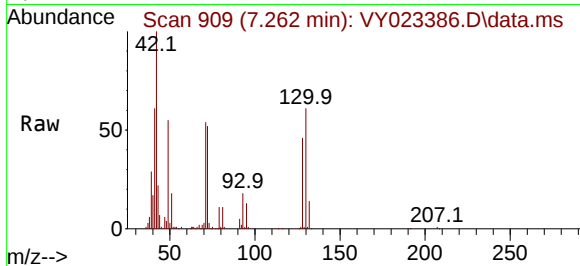




#41
Methacrylonitrile
Concen: 49.906 ug/l
RT: 7.262 min Scan# 902
Delta R.T. 0.042 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

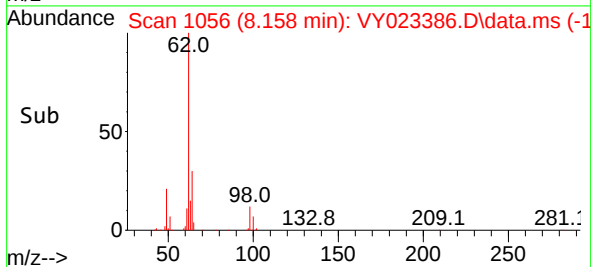
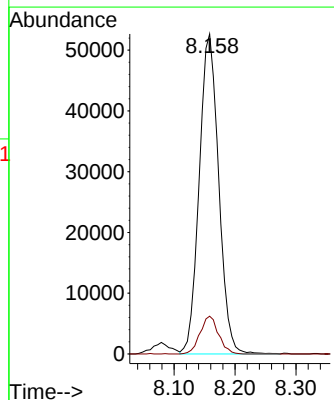
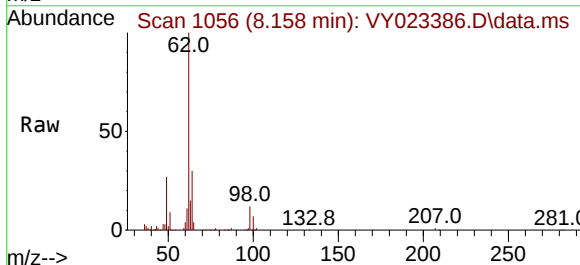
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

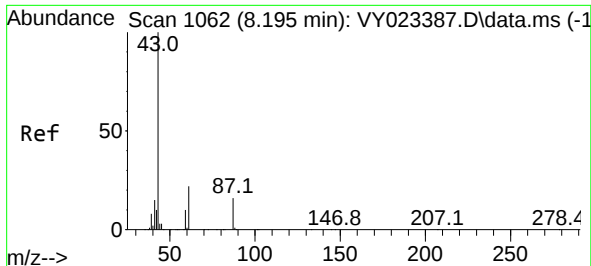
Tgt Ion: 41 Resp: 74749
Ion Ratio Lower Upper
41 100
39 28.6 52.2 78.4#
67 0.0 74.9 112.3#
52 0.0 29.2 43.8#



#42
1,2-Dichloroethane
Concen: 20.206 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 116941
Ion Ratio Lower Upper
62 100
98 11.2 0.0 21.6

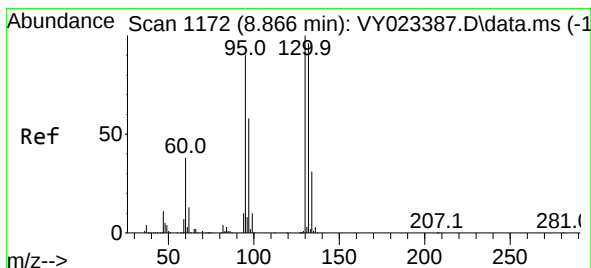
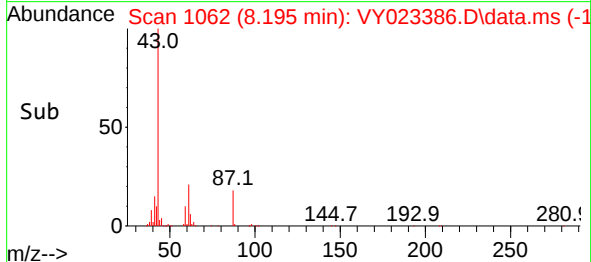
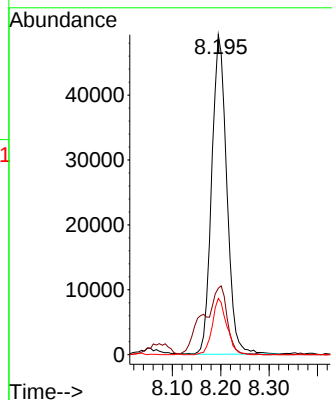
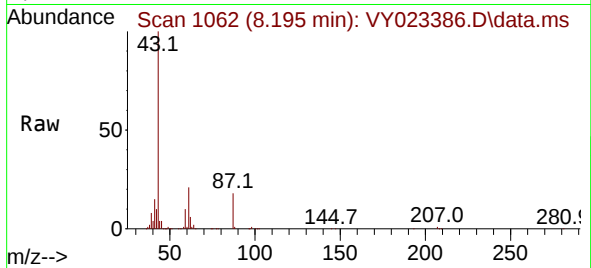




#43
Isopropyl Acetate
Concen: 19.002 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

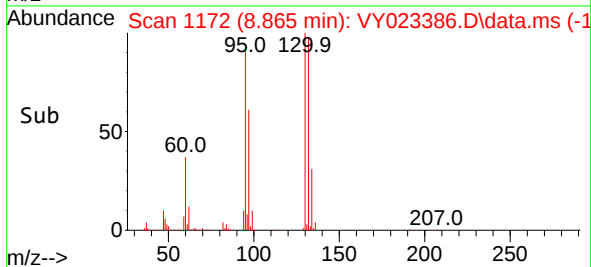
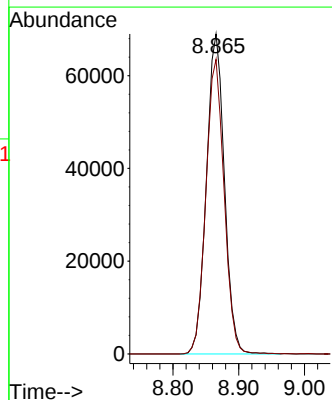
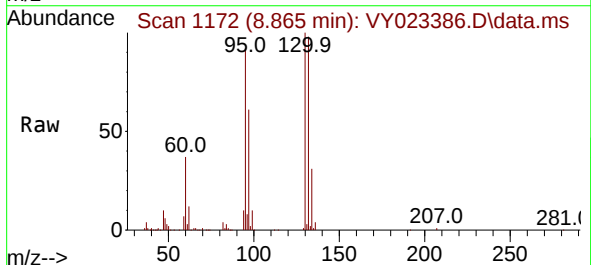
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

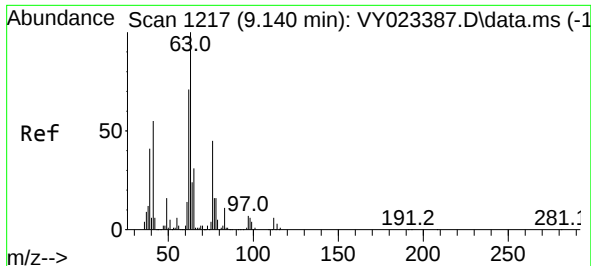
Tgt Ion: 43 Resp: 106595
Ion Ratio Lower Upper
43 100
61 33.1 18.1 27.1#
87 16.9 13.5 20.3



#44
Trichloroethene
Concen: 20.598 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:130 Resp: 131459
Ion Ratio Lower Upper
130 100
95 92.0 0.0 180.6





#45

1,2-Dichloropropane

Concen: 19.417 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

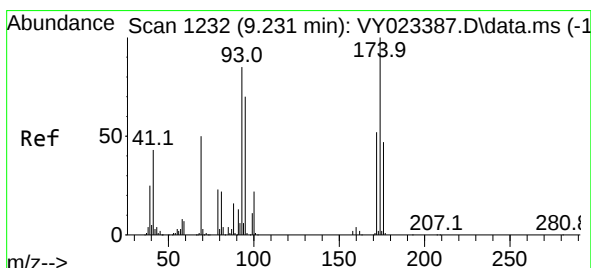
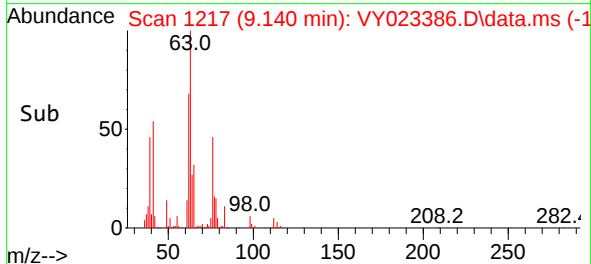
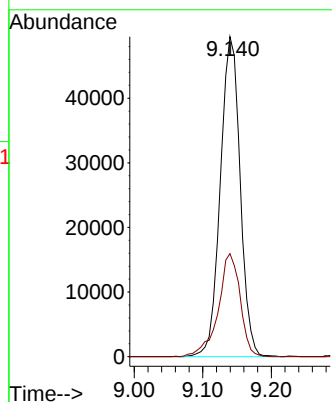
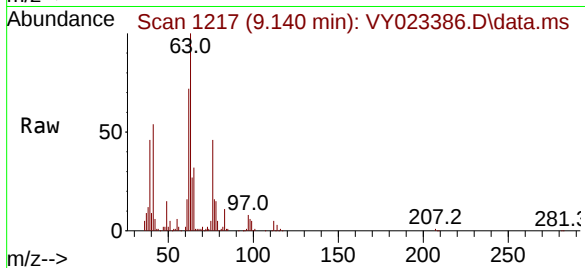
VSTDIC020

Tgt Ion: 63 Resp: 99363

Ion Ratio Lower Upper

63 100

65 32.2 24.9 37.3



#46

Dibromomethane

Concen: 19.896 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

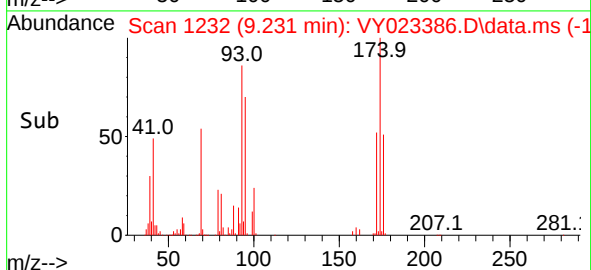
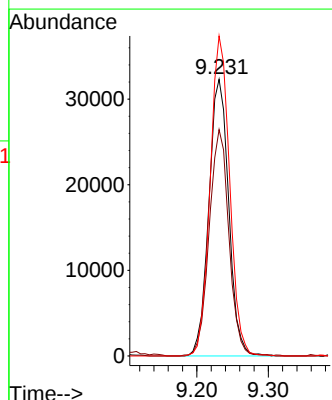
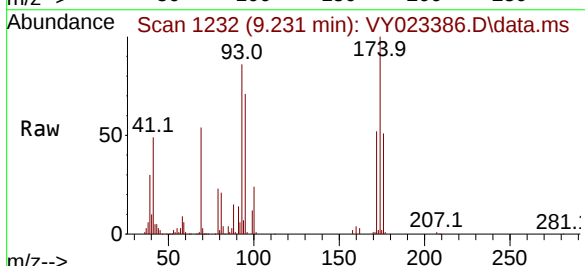
Tgt Ion: 93 Resp: 62277

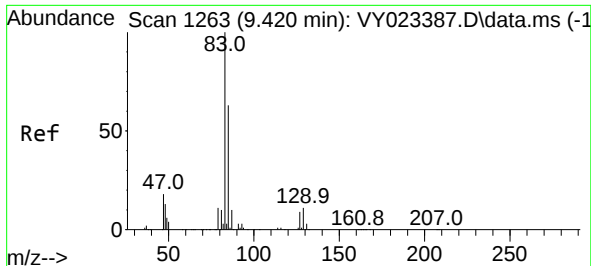
Ion Ratio Lower Upper

93 100

95 81.3 65.4 98.0

174 113.6 92.9 139.3

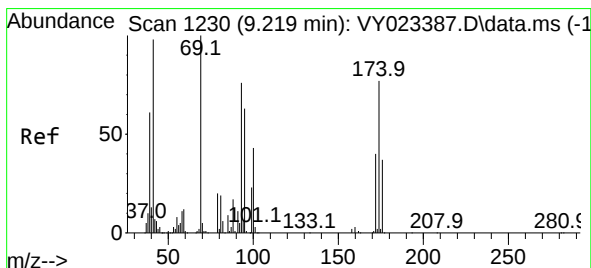
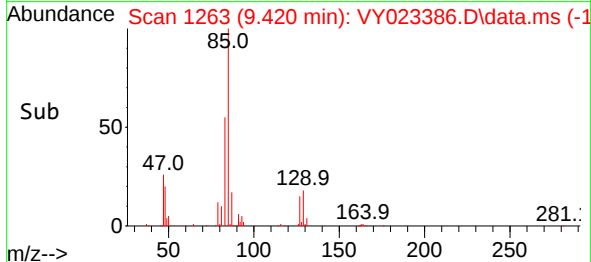
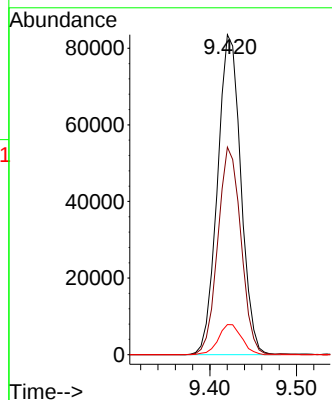
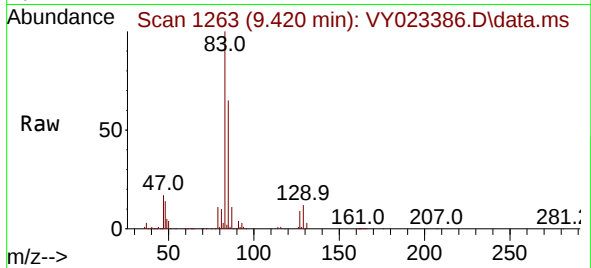




#47
Bromodichloromethane
Concen: 19.854 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

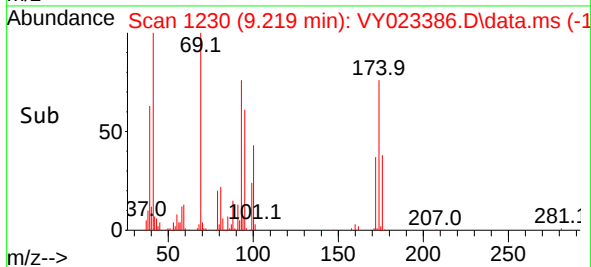
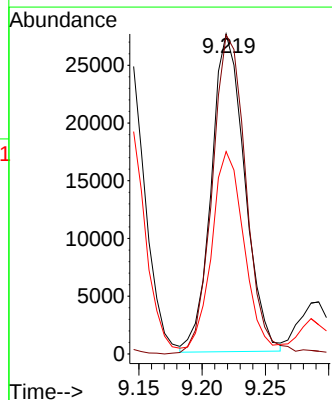
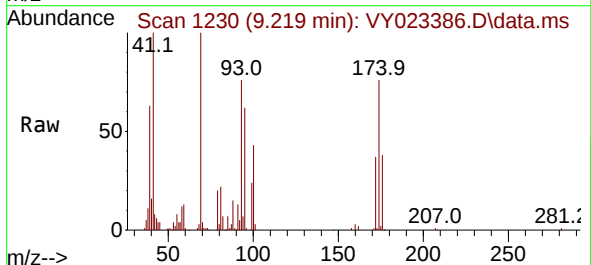
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 156426
Ion Ratio Lower Upper
83 100
85 64.9 50.8 76.2
127 9.4 7.4 11.2



#48
Methyl methacrylate
Concen: 19.352 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 50661
Ion Ratio Lower Upper
41 100
69 102.0 81.0 121.4
39 58.8 48.2 72.4

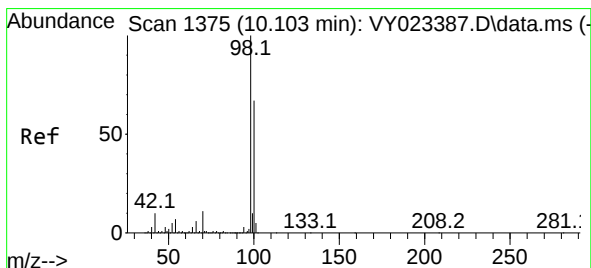
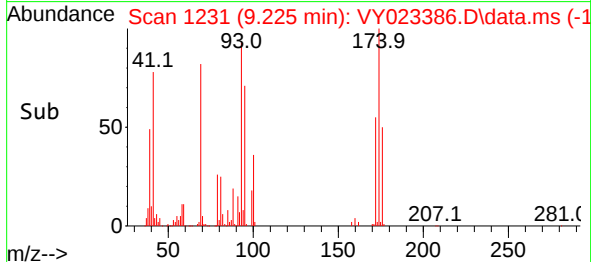
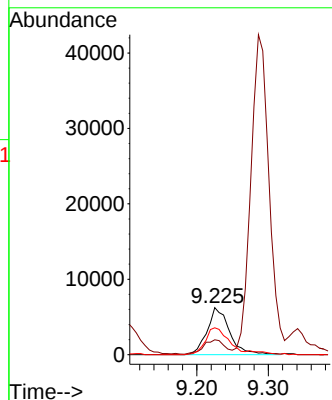
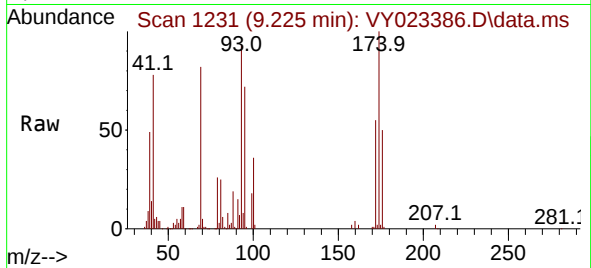




#49
1,4-Dioxane
Concen: 420.712 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

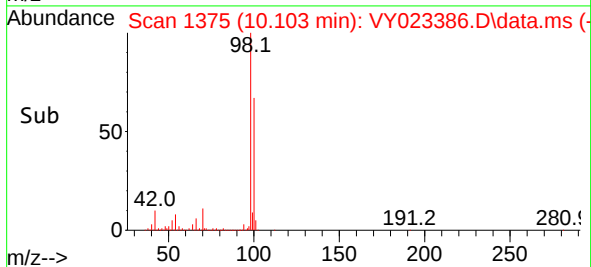
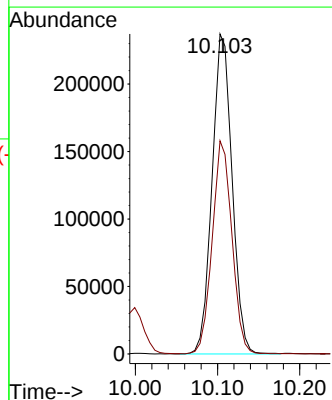
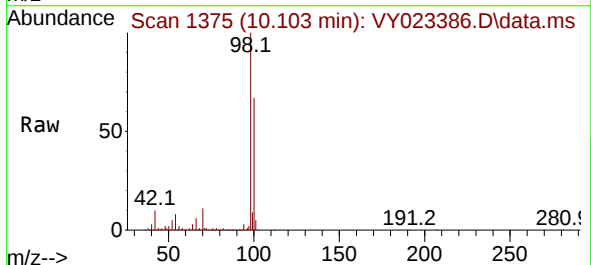
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

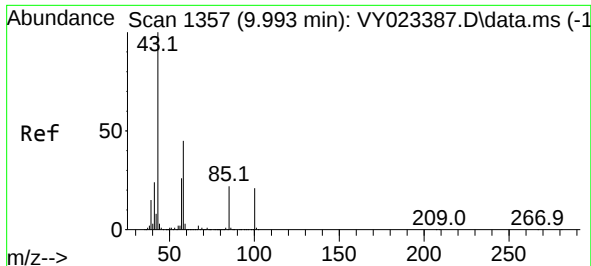
Tgt Ion: 88 Resp: 13636
Ion Ratio Lower Upper
88 100
43 28.9 21.8 32.8
58 58.1 46.8 70.2



#50
Toluene-d8
Concen: 20.568 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 98 Resp: 401067
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 95.378 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

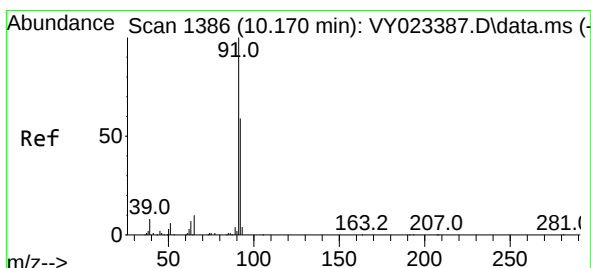
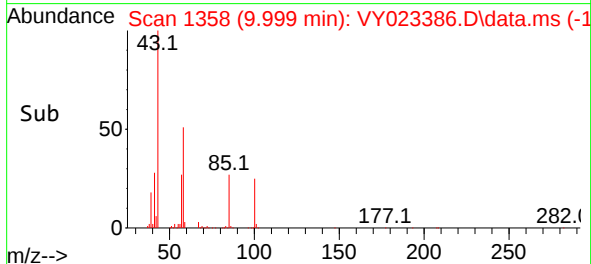
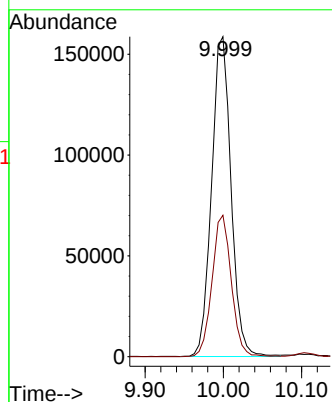
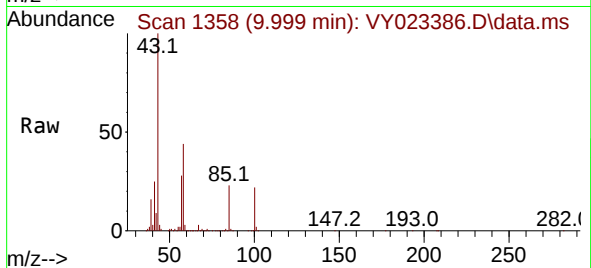
VSTDICC020

Tgt Ion: 43 Resp: 274059

Ion Ratio Lower Upper

43 100

58 43.8 35.3 52.9



#52

Toluene

Concen: 20.191 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023386.D

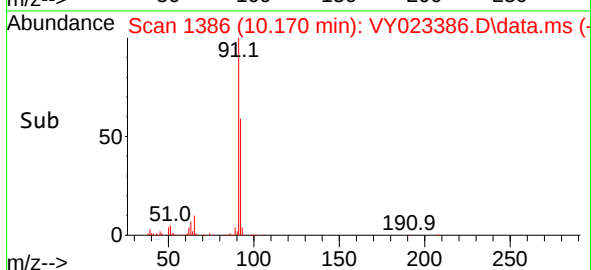
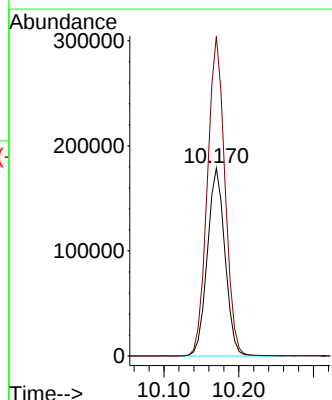
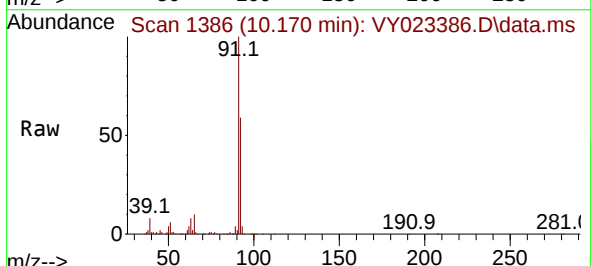
Acq: 07 Oct 2025 11:24

Tgt Ion: 92 Resp: 291453

Ion Ratio Lower Upper

92 100

91 170.0 136.4 204.6

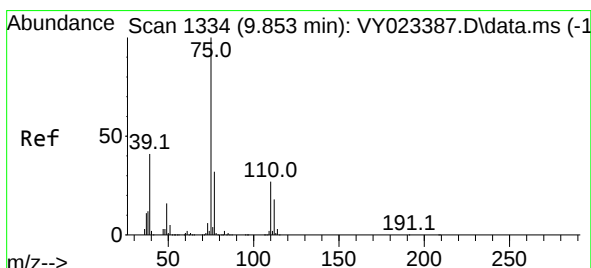
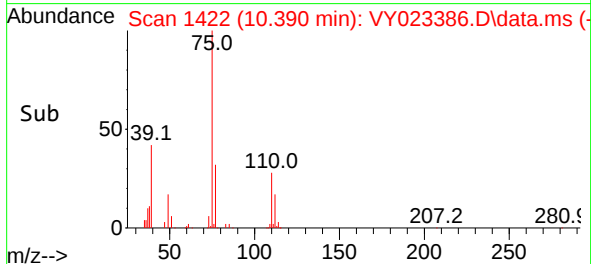
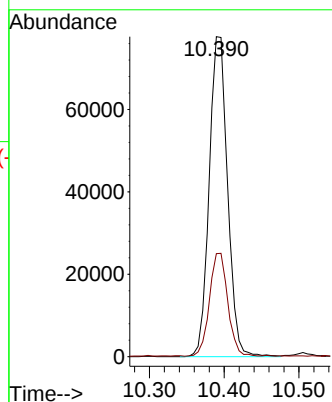
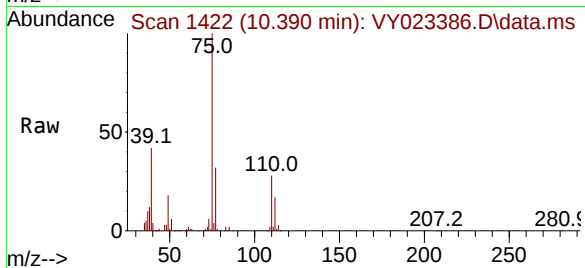




#53
t-1,3-Dichloropropene
Concen: 19.632 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

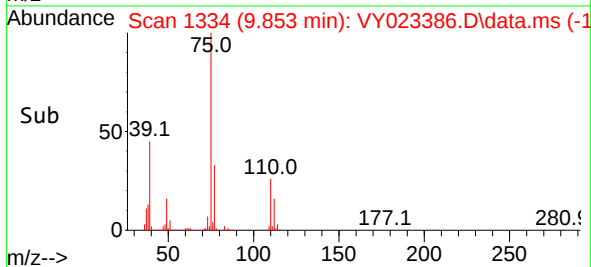
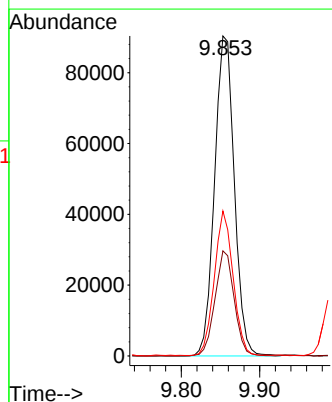
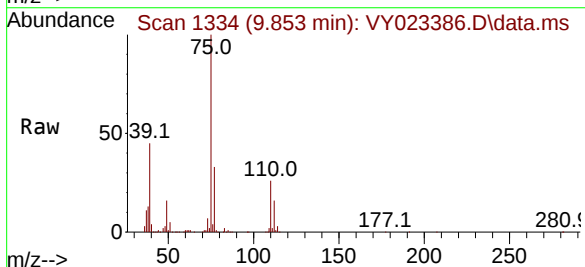
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

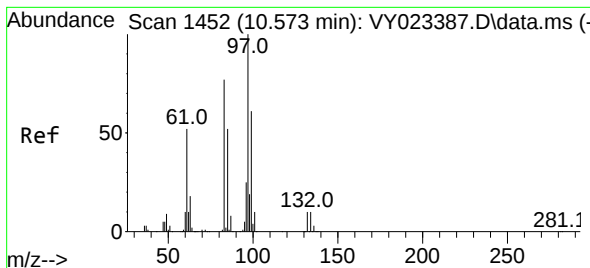
Tgt Ion: 75 Resp: 132848
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 19.606 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 158580
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0
39 45.1 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 19.740 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 82183

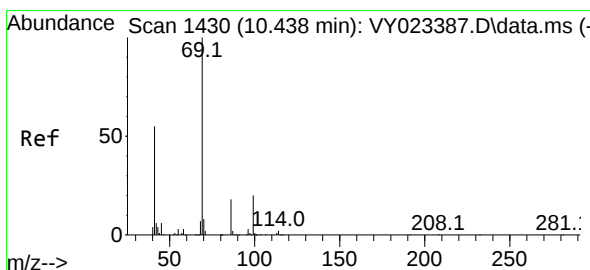
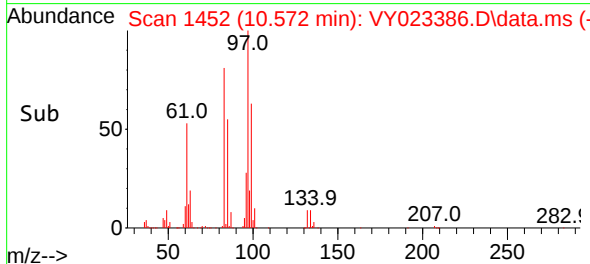
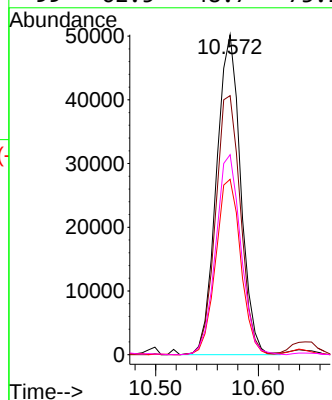
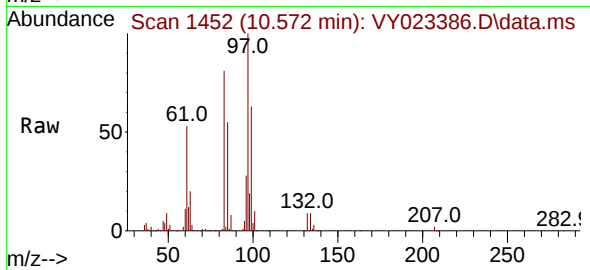
Ion Ratio Lower Upper

97 100

83 80.9 61.8 92.6

85 54.8 41.3 61.9

99 62.5 48.7 73.1



#56

Ethyl methacrylate

Concen: 18.613 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

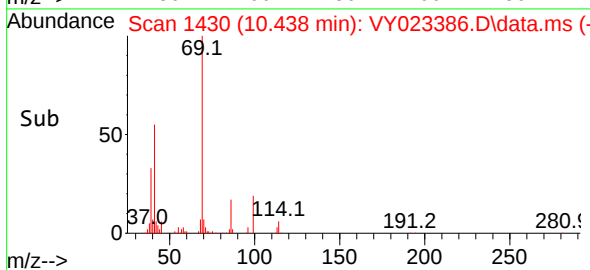
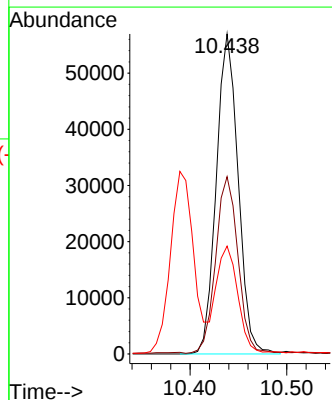
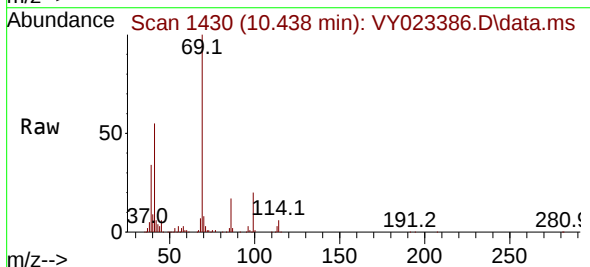
Tgt Ion: 69 Resp: 89244

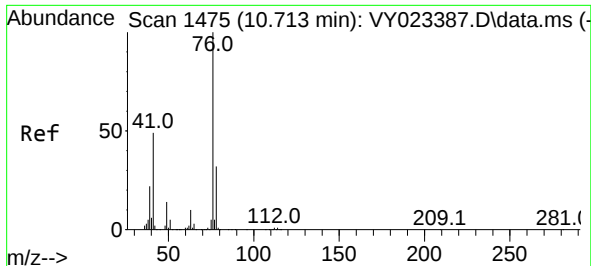
Ion Ratio Lower Upper

69 100

41 56.5 44.6 67.0

39 34.5 27.0 40.4





#57

1,3-Dichloropropane

Concen: 19.389 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

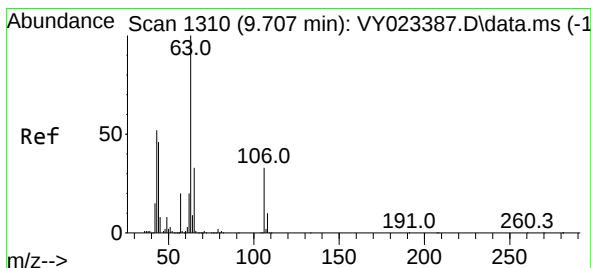
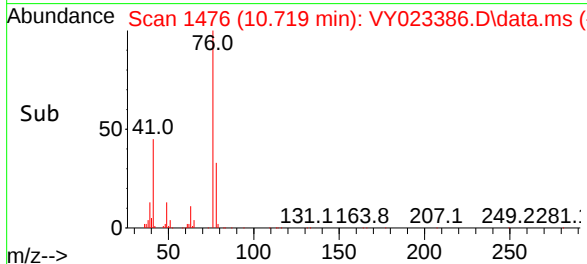
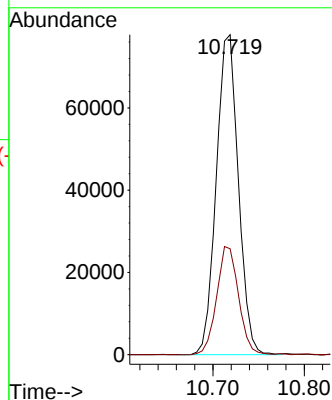
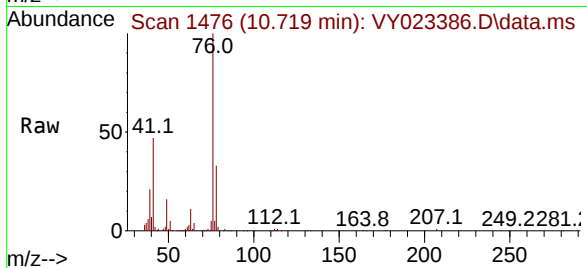
VSTDICC020

Tgt Ion: 76 Resp: 130650

Ion Ratio Lower Upper

76 100

78 33.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 89.723 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023386.D

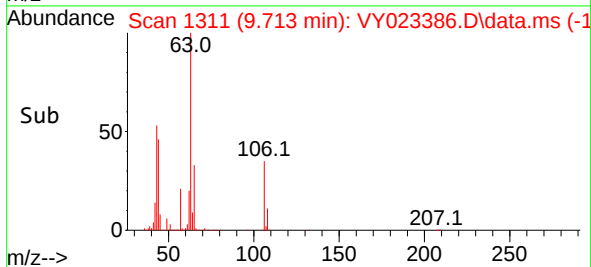
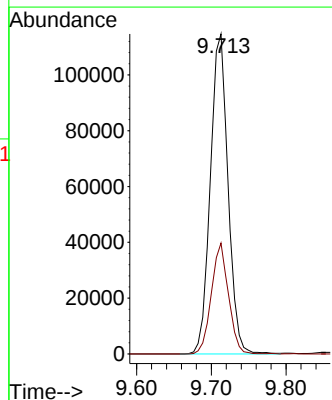
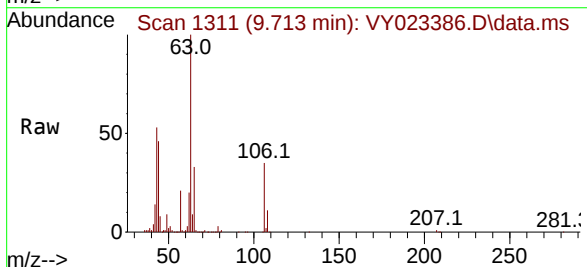
Acq: 07 Oct 2025 11:24

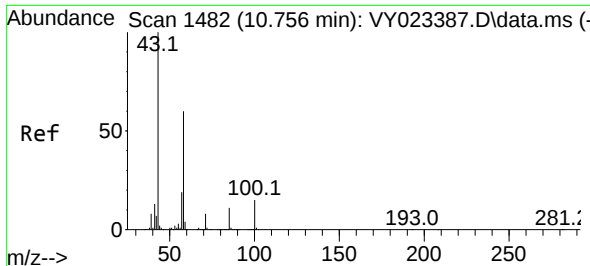
Tgt Ion: 63 Resp: 188209

Ion Ratio Lower Upper

63 100

106 33.4 26.6 39.8

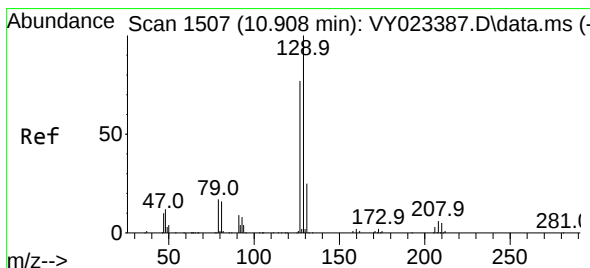
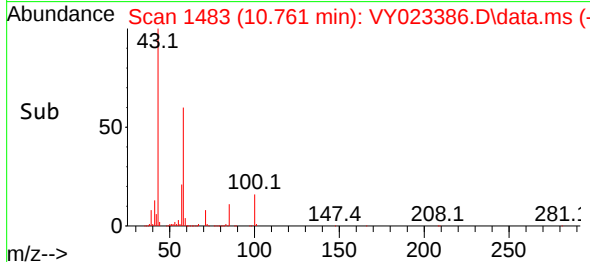
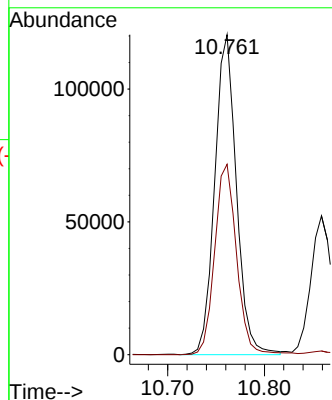
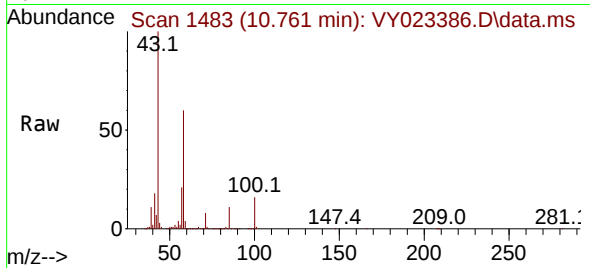




#59
2-Hexanone
Concen: 94.190 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

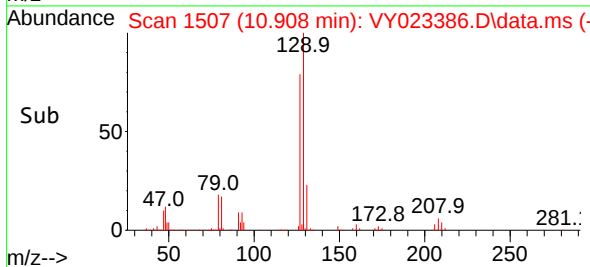
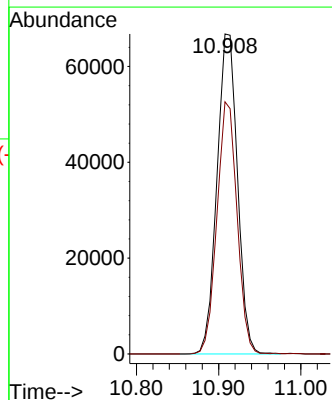
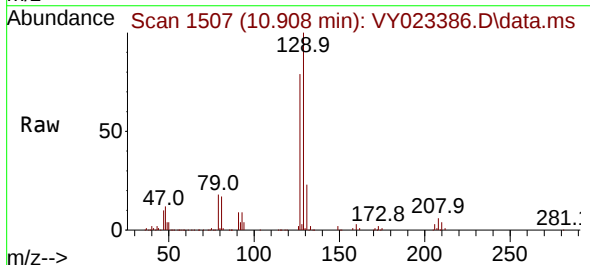
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

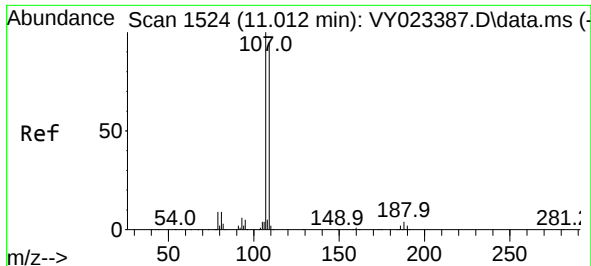
Tgt Ion: 43 Resp: 187387
Ion Ratio Lower Upper
43 100
58 60.2 30.5 91.5



#60
Dibromochloromethane
Concen: 20.412 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 129 Resp: 115907
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7

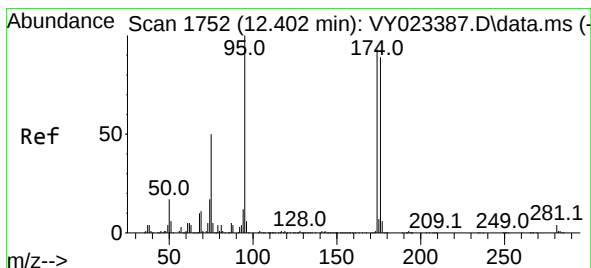
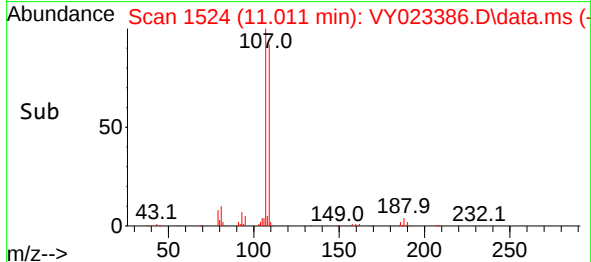
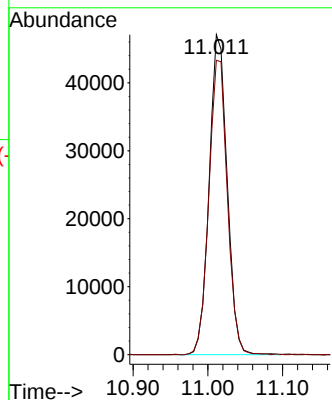
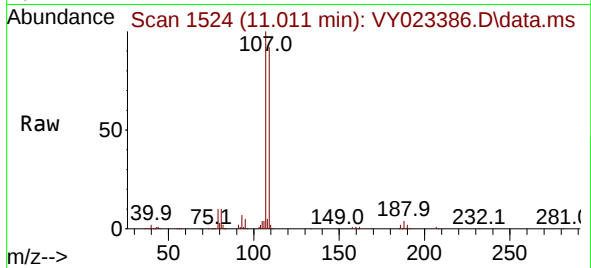




#61
1,2-Dibromoethane
Concen: 20.062 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

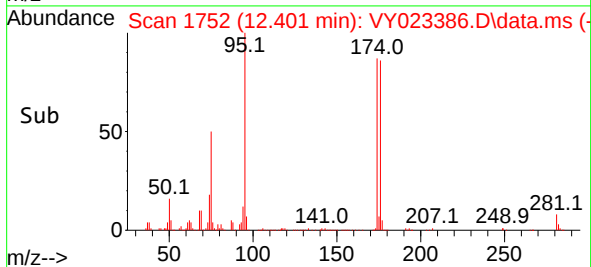
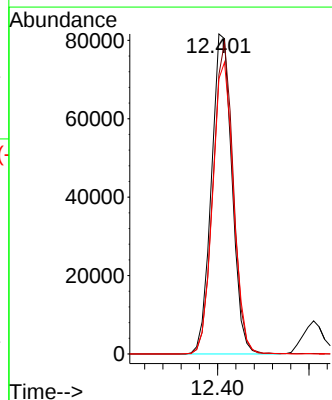
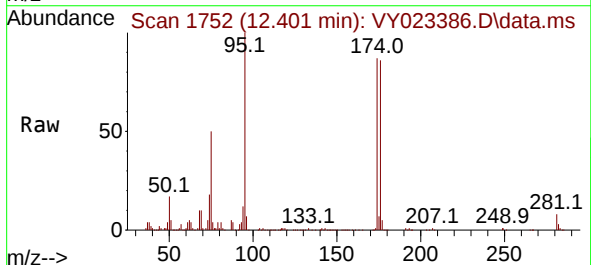
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

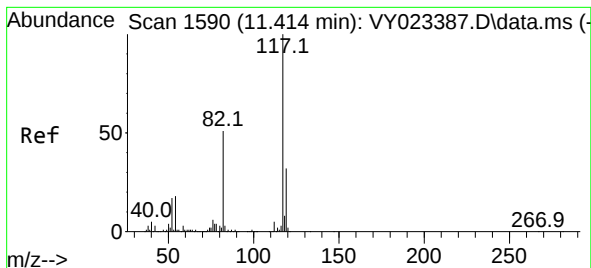
Tgt Ion:107 Resp: 78579
Ion Ratio Lower Upper
107 100
109 94.7 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 20.680 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 95 Resp: 127216
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

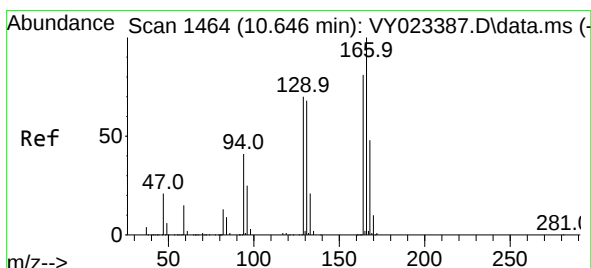
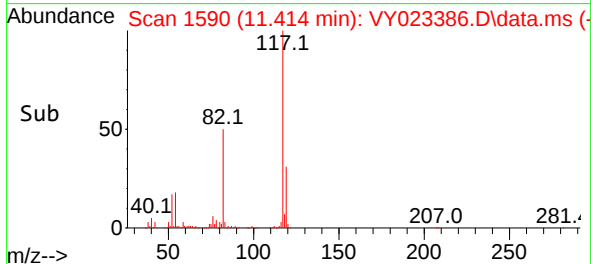
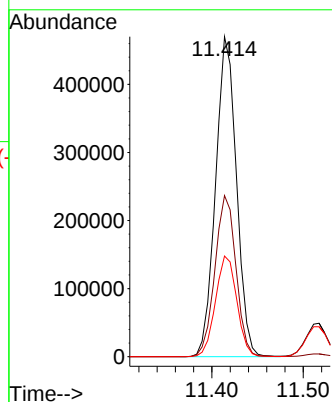
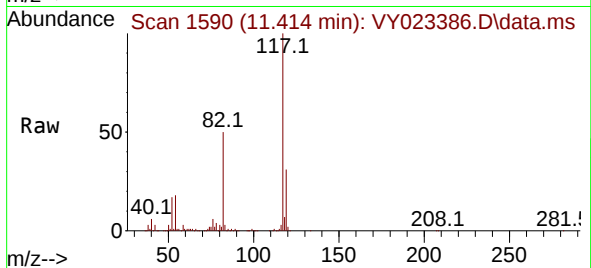
Tgt Ion:117 Resp: 746872

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.4

119 31.4 25.6 38.4



#64

Tetrachloroethene

Concen: 22.438 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:164 Resp: 167648

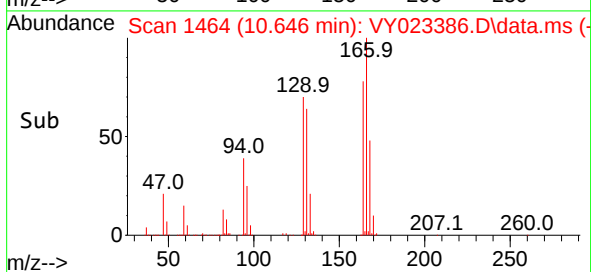
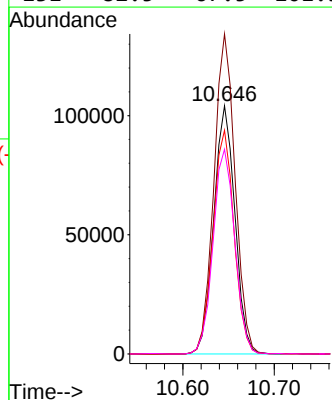
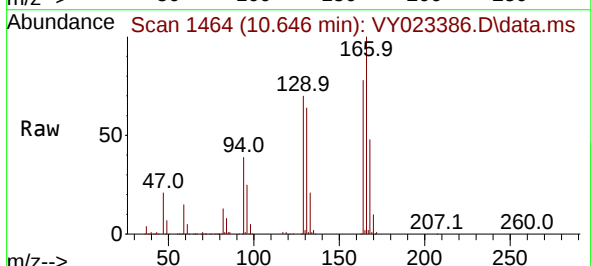
Ion Ratio Lower Upper

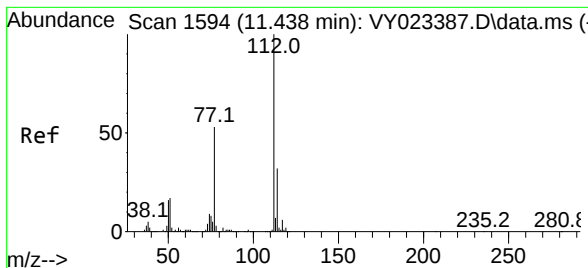
164 100

166 128.9 99.4 149.0

129 90.1 69.4 104.2

131 82.5 67.5 101.3

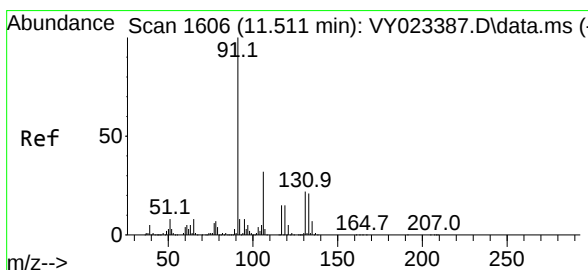
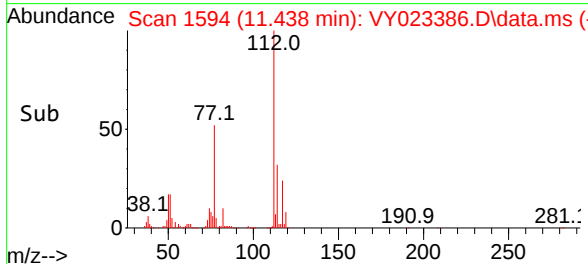
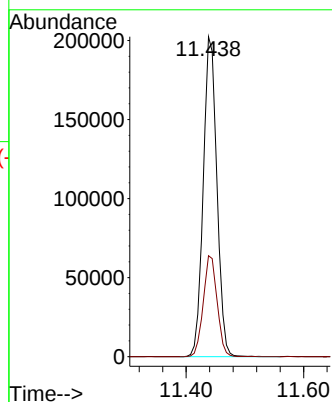
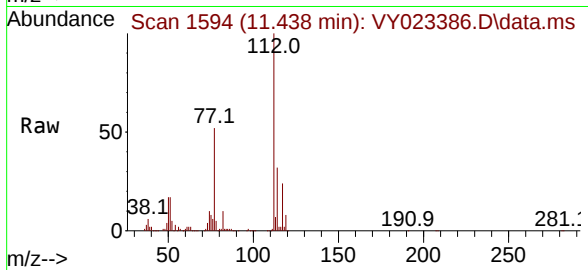




#65
Chlorobenzene
Concen: 20.109 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

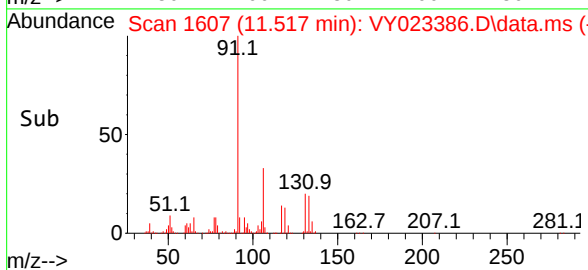
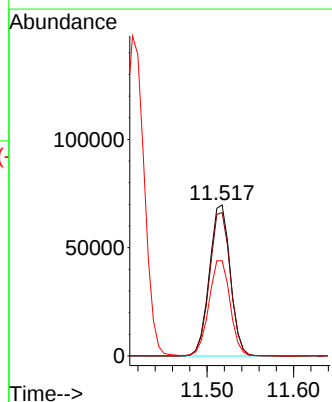
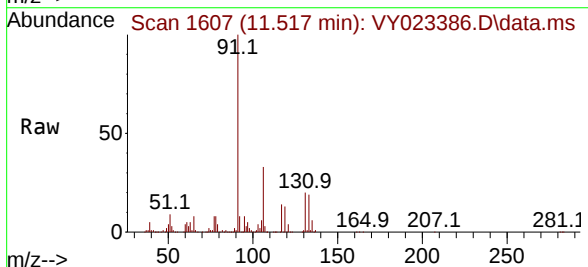
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

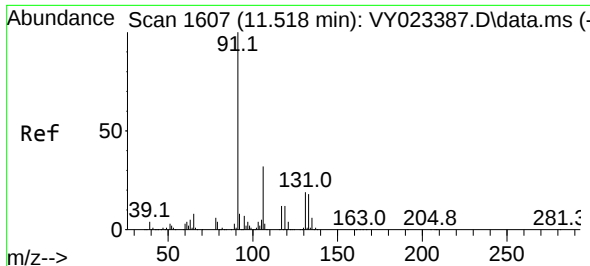
Tgt Ion:112 Resp: 326360
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:131 Resp: 116412
Ion Ratio Lower Upper
131 100
133 95.9 48.4 145.2
119 64.4 32.4 97.2





#67

Ethyl Benzene

Concen: 19.768 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

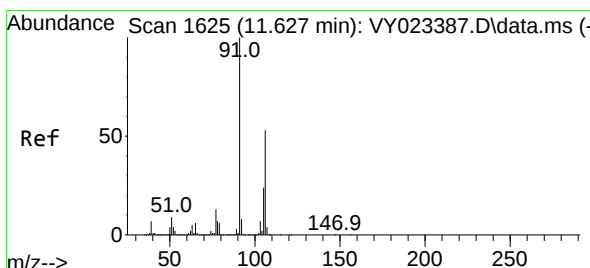
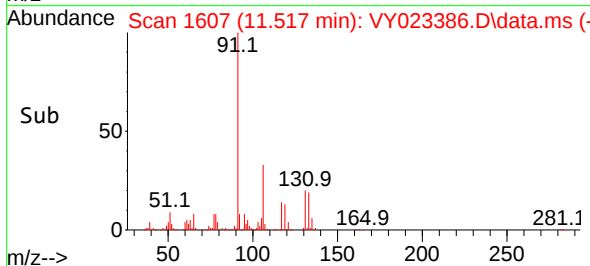
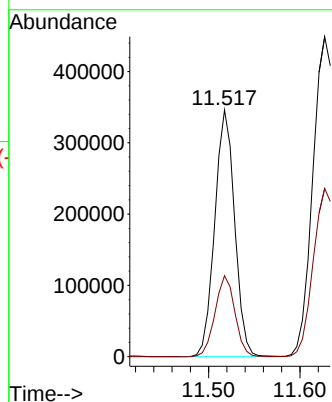
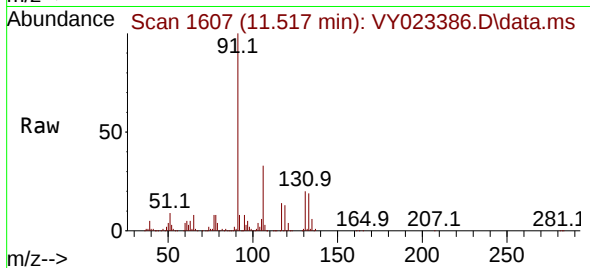
VSTDIC020

Tgt Ion: 91 Resp: 523606

Ion Ratio Lower Upper

91 100

106 32.8 25.8 38.8



#68

m/p-Xylenes

Concen: 40.211 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023386.D

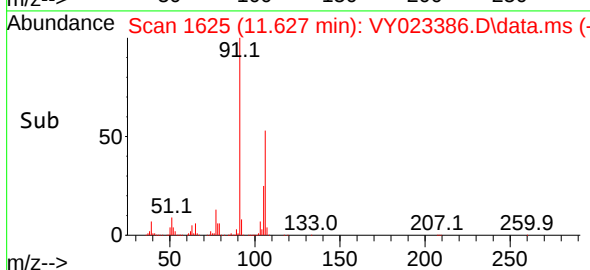
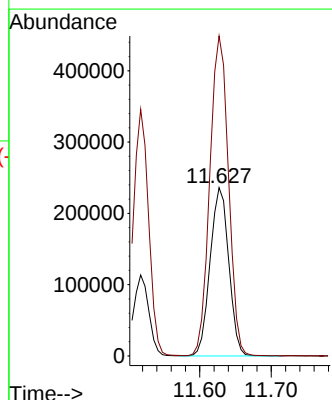
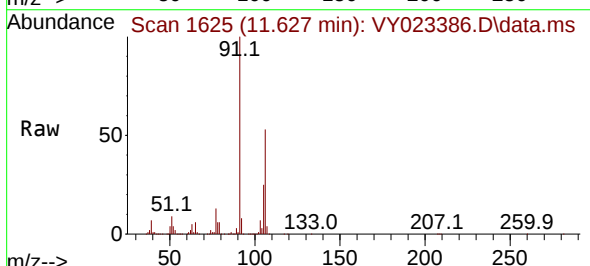
Acq: 07 Oct 2025 11:24

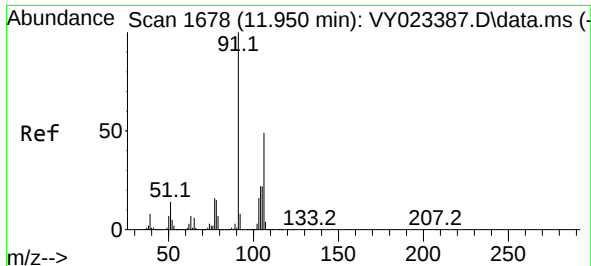
Tgt Ion:106 Resp: 426913

Ion Ratio Lower Upper

106 100

91 190.8 152.6 229.0

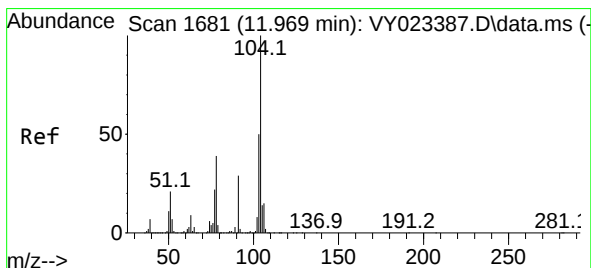
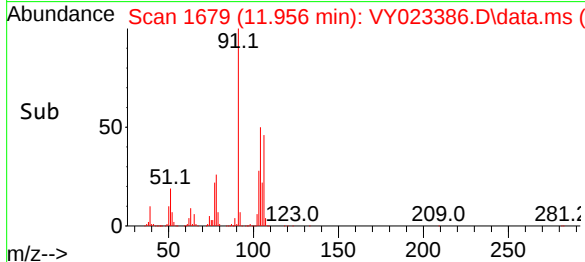
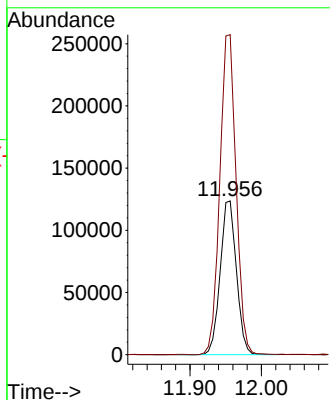
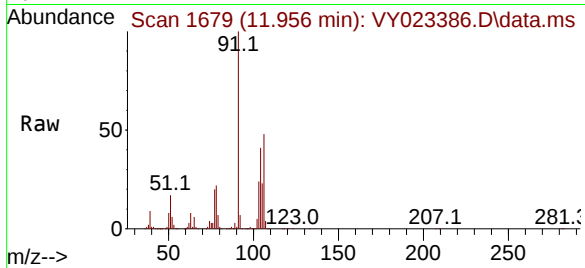




#69
o-Xylene
Concen: 19.843 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

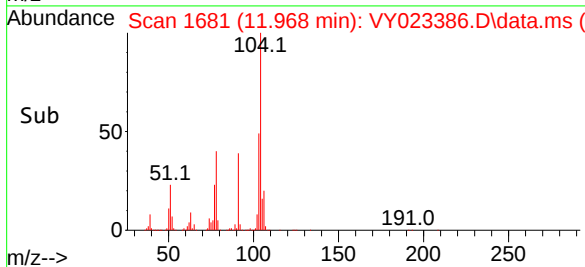
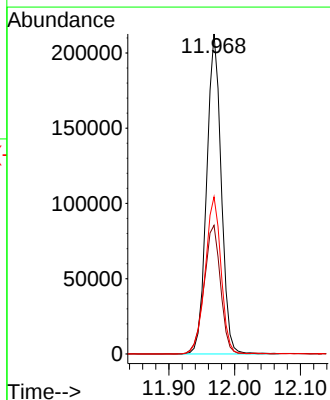
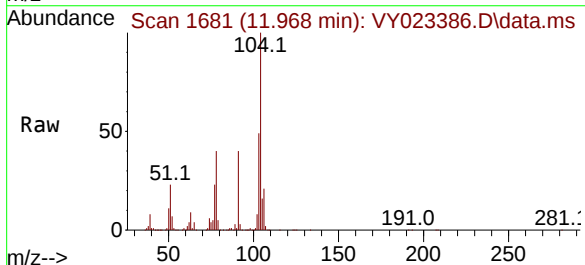
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

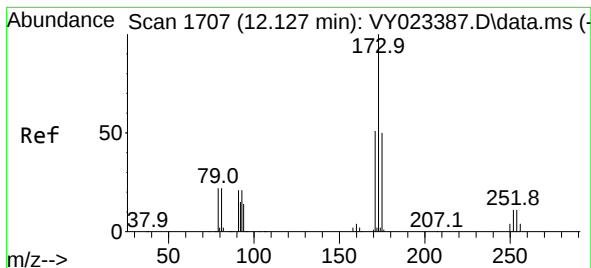
Tgt Ion:106 Resp: 195021
Ion Ratio Lower Upper
106 100
91 208.5 101.4 304.1



#70
Styrene
Concen: 20.208 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:104 Resp: 327934
Ion Ratio Lower Upper
104 100
78 45.4 36.1 54.1
103 53.3 43.2 64.8





#71

Bromoform

Concen: 20.814 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

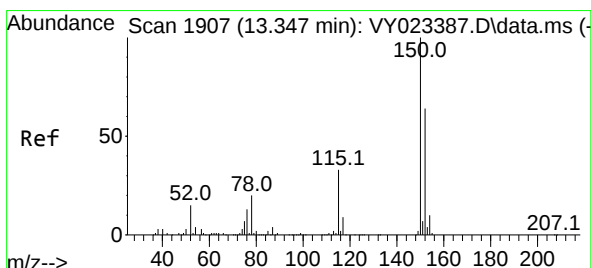
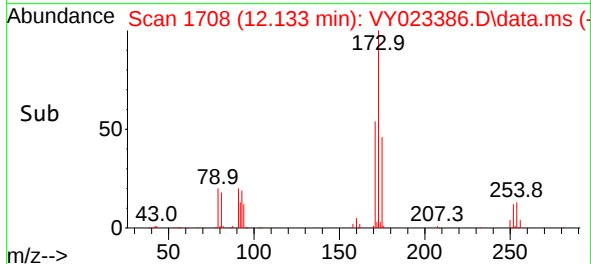
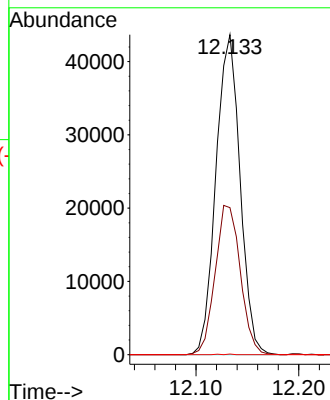
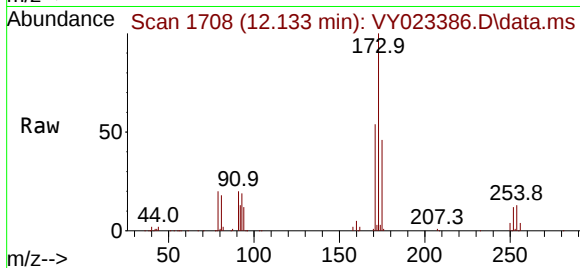
Tgt Ion:173 Resp: 71119

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

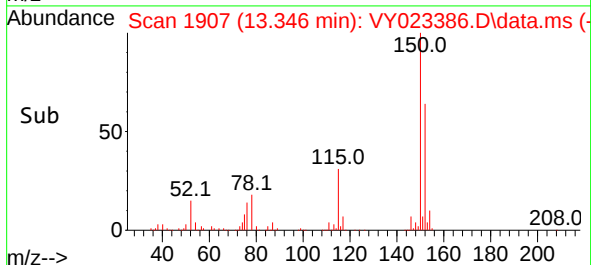
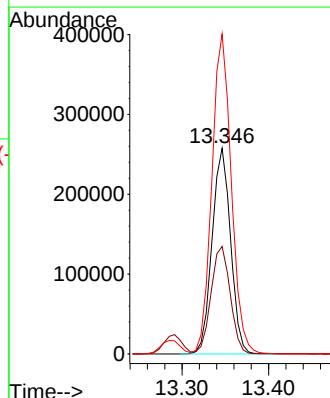
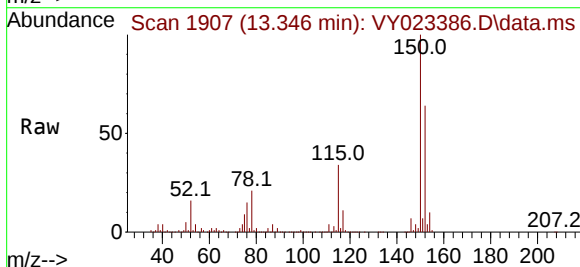
Tgt Ion:152 Resp: 382604

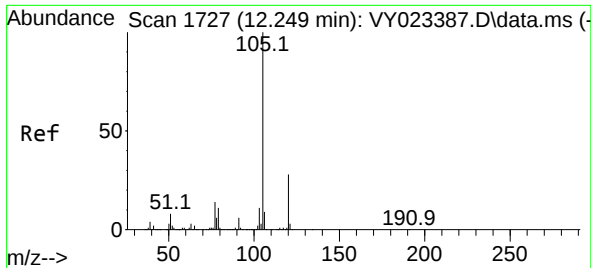
Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 163.2 0.0 347.4

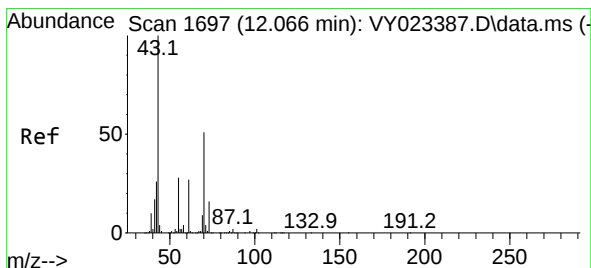
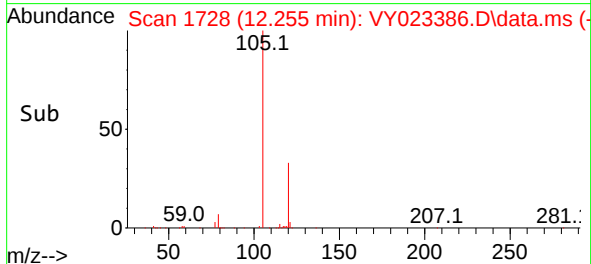
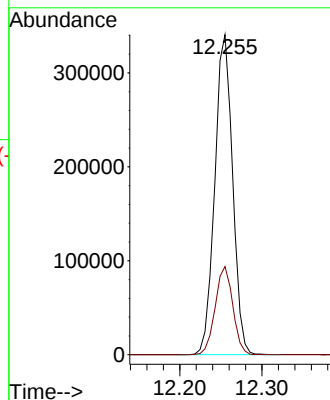
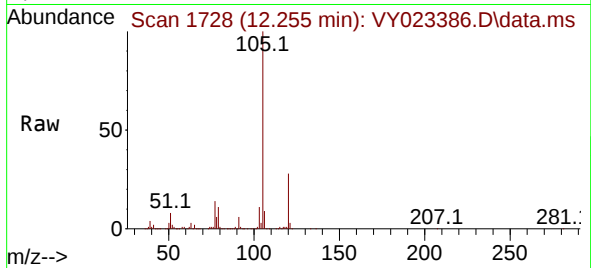




#73
Isopropylbenzene
Concen: 20.136 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

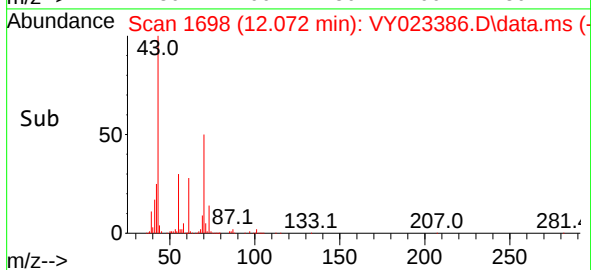
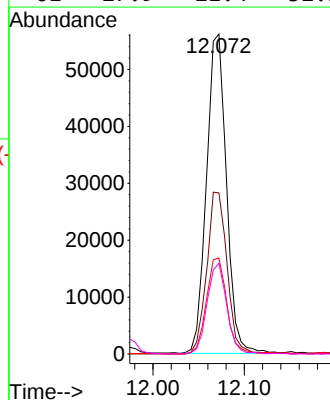
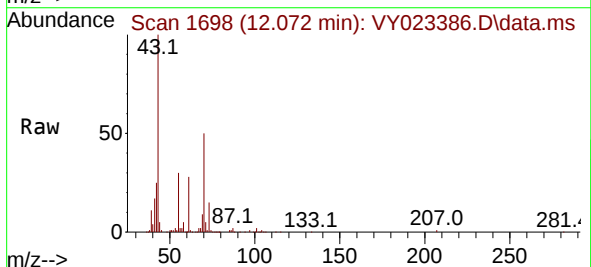
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

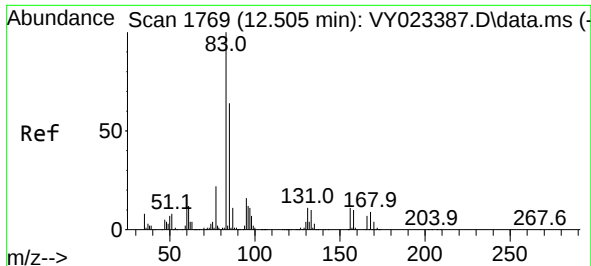
Tgt Ion:105 Resp: 513183
Ion Ratio Lower Upper
105 100
120 27.2 13.9 41.7



#74
N-ethyl acetate
Concen: 17.860 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 85063
Ion Ratio Lower Upper
43 100
70 51.8 41.1 61.7
55 30.6 23.0 34.6
61 27.9 21.4 32.2

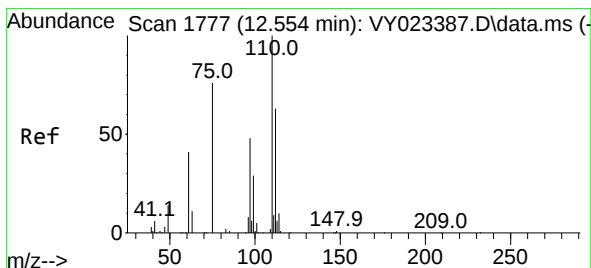
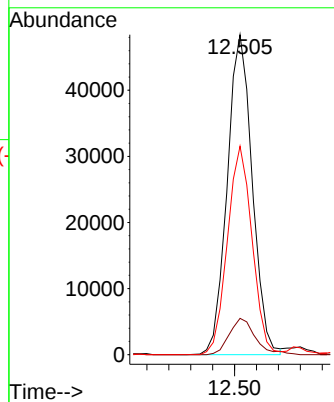
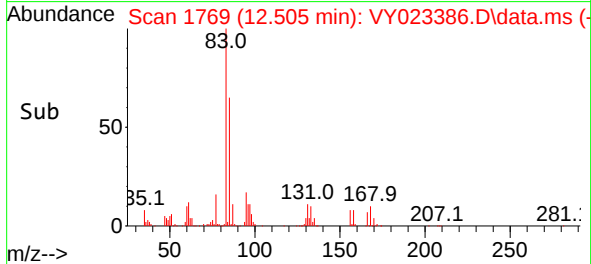
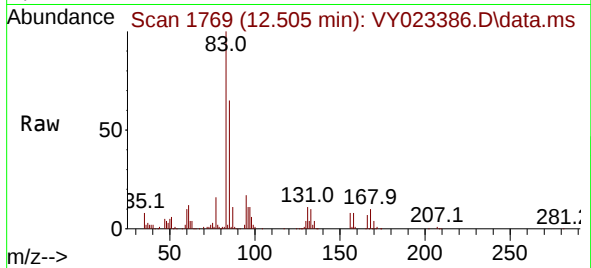




#75
1,1,2,2-Tetrachloroethane
Concen: 18.069 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

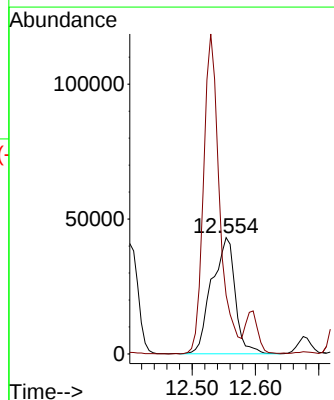
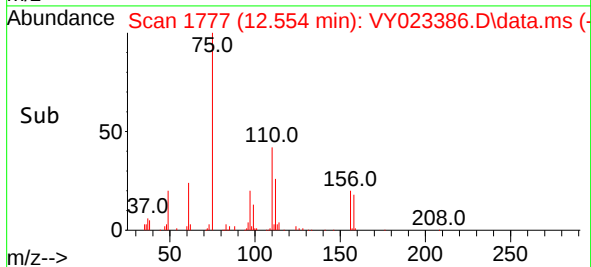
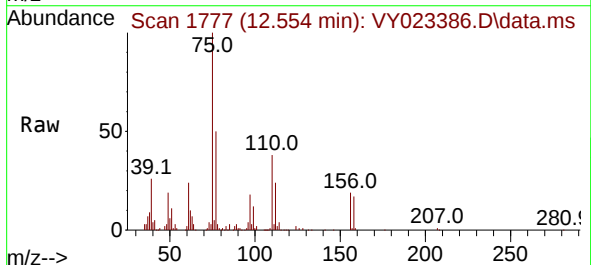
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

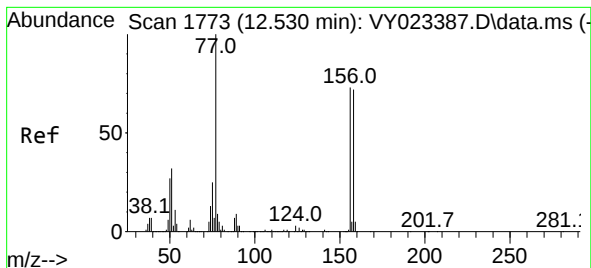
Tgt Ion: 83 Resp: 76821
Ion Ratio Lower Upper
83 100
131 11.8 5.9 17.6
85 64.1 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 29.209 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 110236
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.700 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

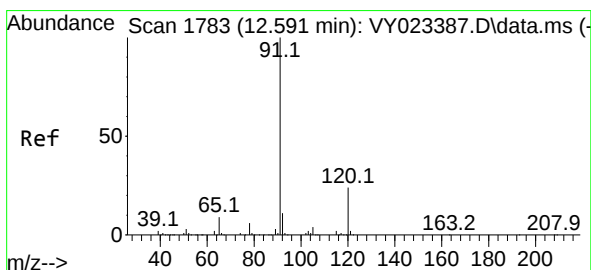
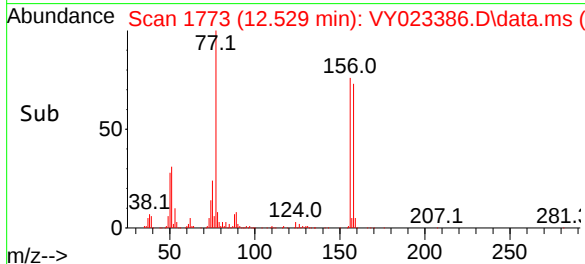
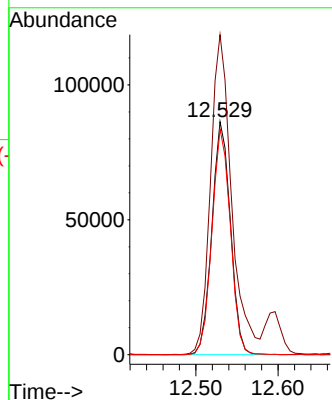
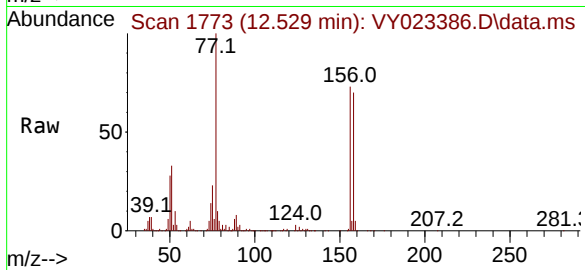
Tgt Ion:156 Resp: 135402

Ion Ratio Lower Upper

156 100

77 156.2 76.8 230.5

158 96.1 49.0 147.2



#78

n-propylbenzene

Concen: 19.945 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023386.D

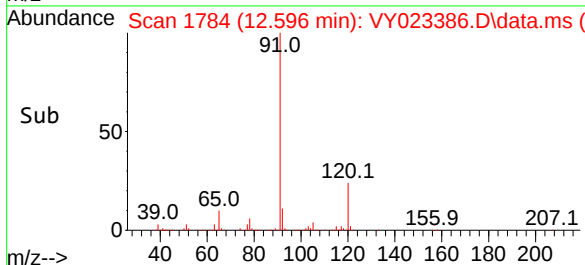
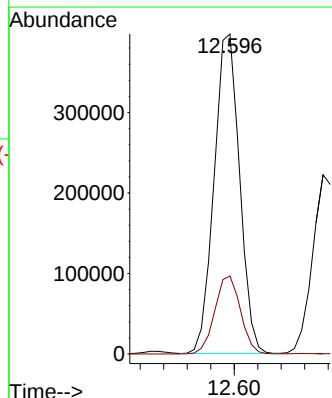
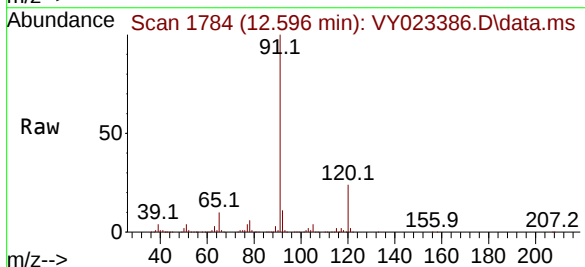
Acq: 07 Oct 2025 11:24

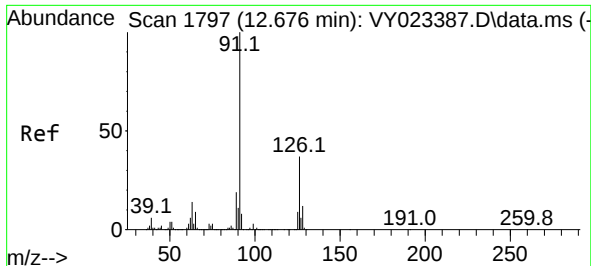
Tgt Ion: 91 Resp: 597829

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.8





#79

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

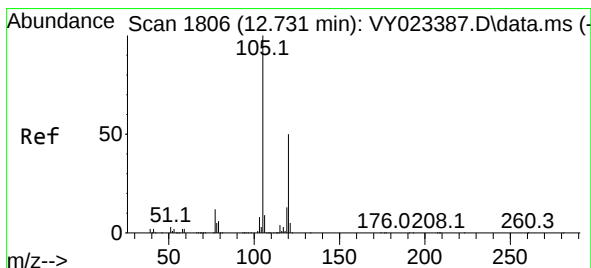
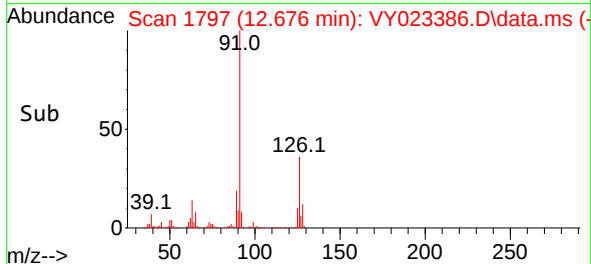
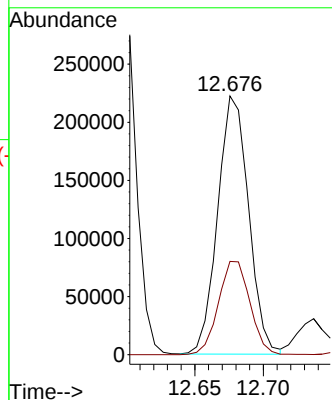
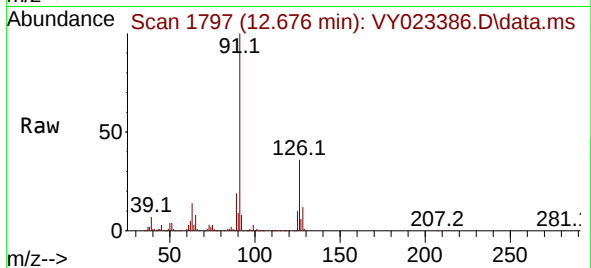
VSTDICC020

Tgt Ion: 91 Resp: 349203

Ion Ratio Lower Upper

91 100

126 36.8 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 20.208 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023386.D

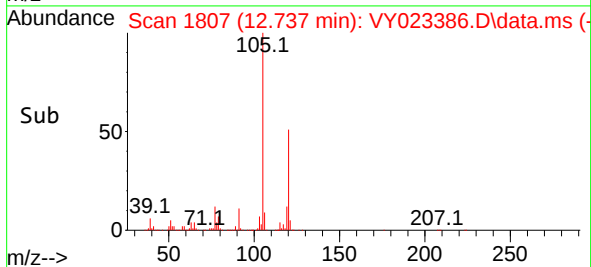
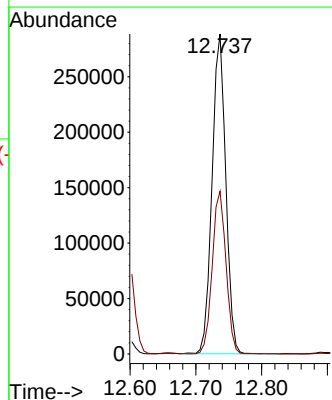
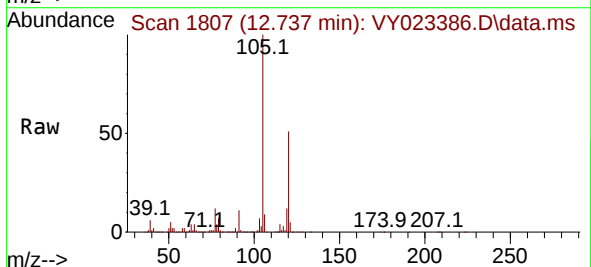
Acq: 07 Oct 2025 11:24

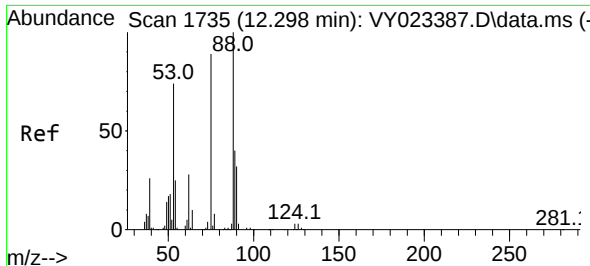
Tgt Ion: 105 Resp: 418684

Ion Ratio Lower Upper

105 100

120 51.1 25.4 76.4

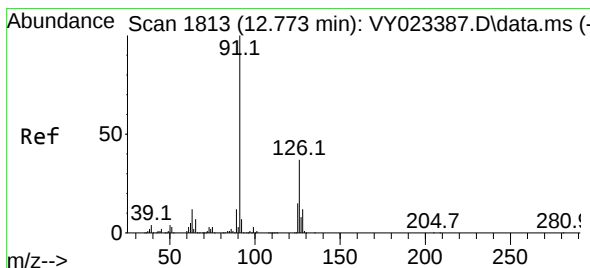
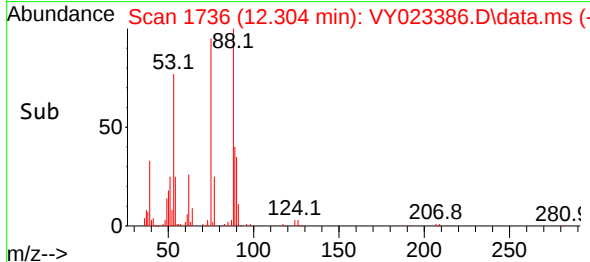
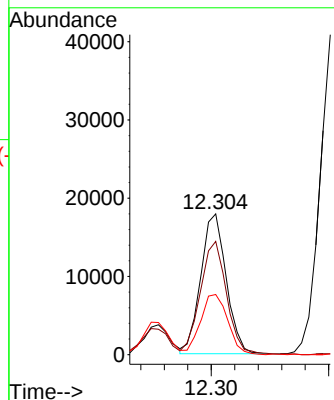
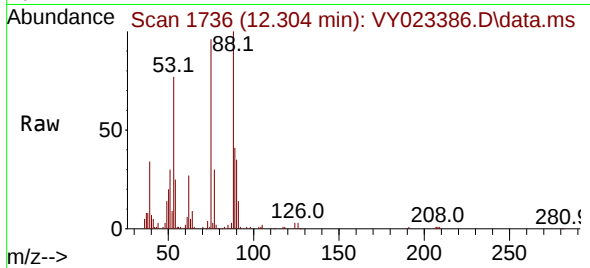




#81
trans-1,4-Dichloro-2-butene
Concen: 19.234 ug/l
RT: 12.304 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

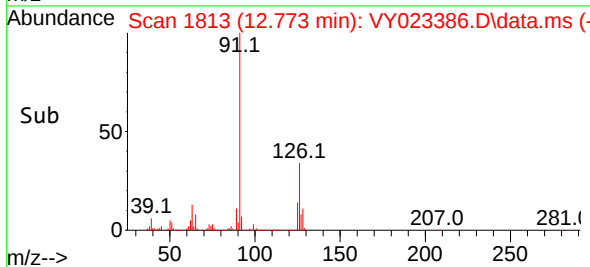
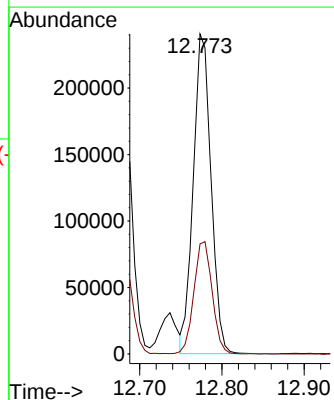
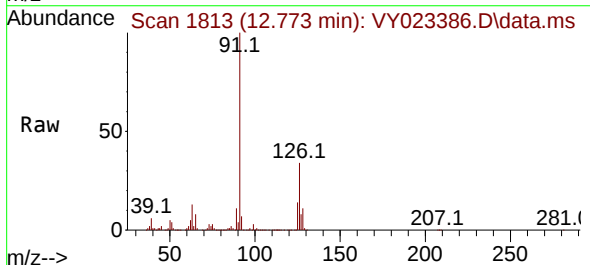
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

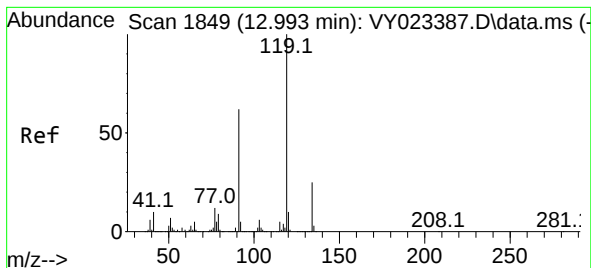
Tgt Ion: 75 Resp: 26922
Ion Ratio Lower Upper
75 100
53 84.4 68.6 102.8
89 46.4 39.0 58.4



#82
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 361458
Ion Ratio Lower Upper
91 100
126 36.1 18.4 55.4

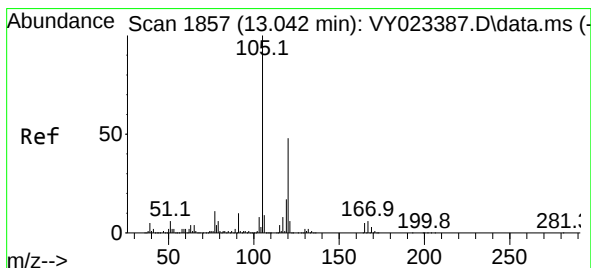
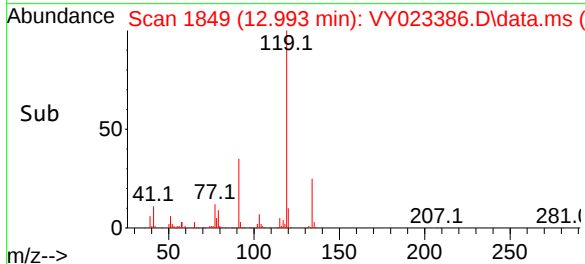
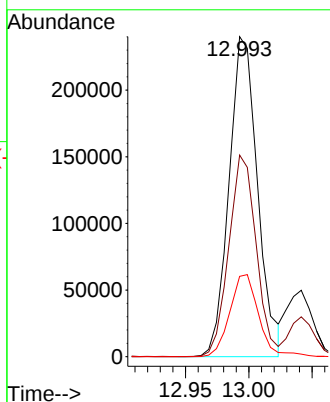
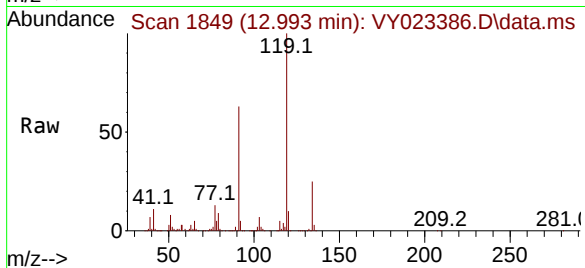




#83
tert-Butylbenzene
Concen: 19.983 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

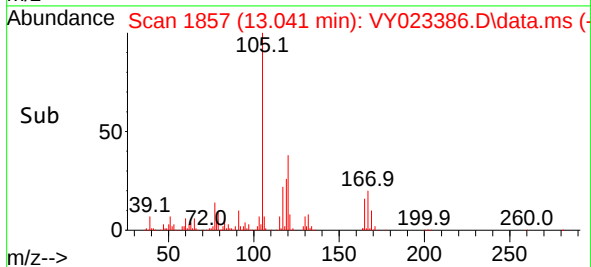
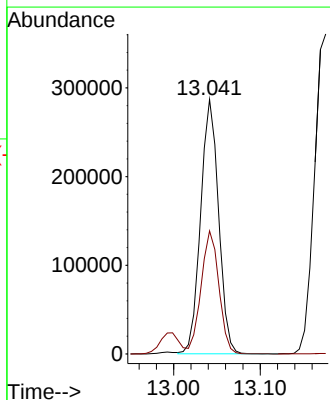
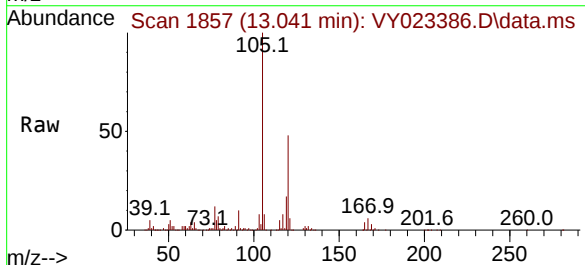
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

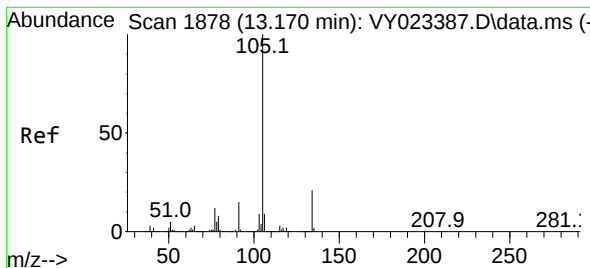
Tgt Ion:119 Resp: 377277
Ion Ratio Lower Upper
119 100
91 60.4 29.9 89.8
134 26.1 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 413292
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.2





#85

sec-Butylbenzene

Concen: 19.990 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

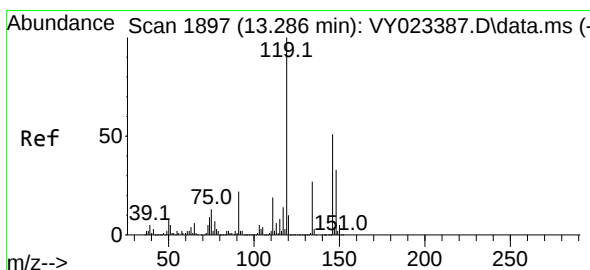
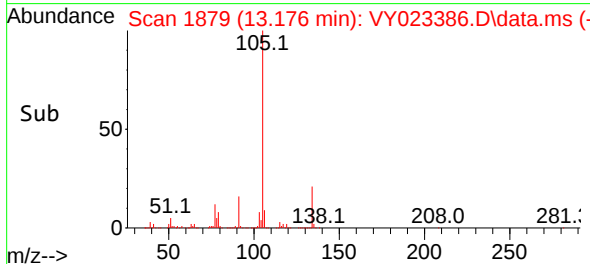
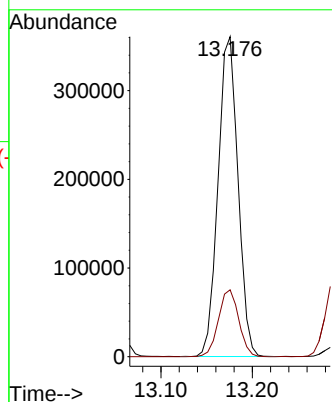
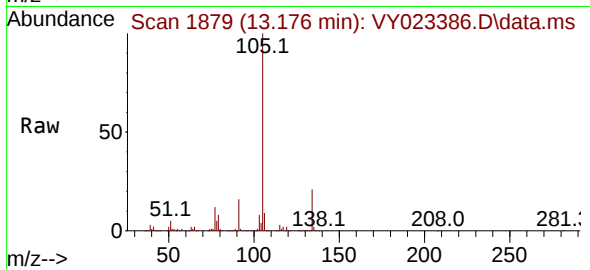
VSTDIC020

Tgt Ion:105 Resp: 546582

Ion Ratio Lower Upper

105 100

134 21.3 10.7 32.1



#86

p-Isopropyltoluene

Concen: 20.081 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

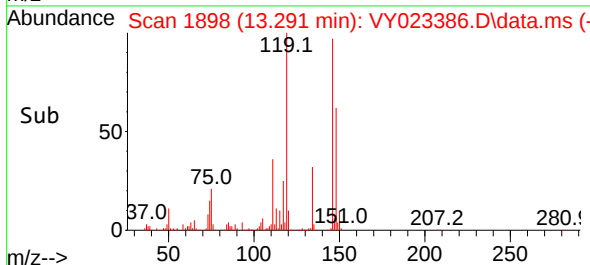
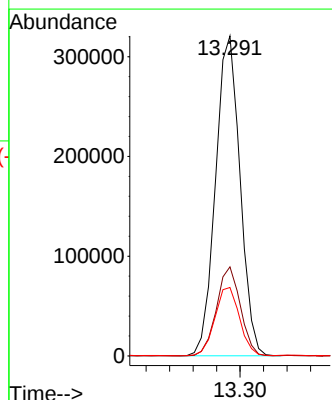
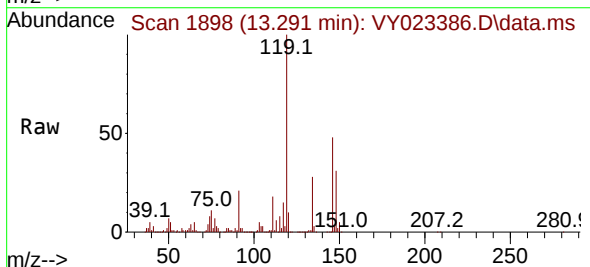
Tgt Ion:119 Resp: 464005

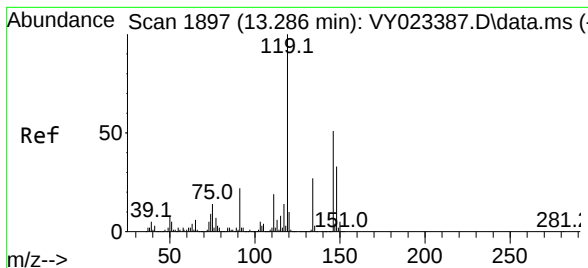
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.347 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

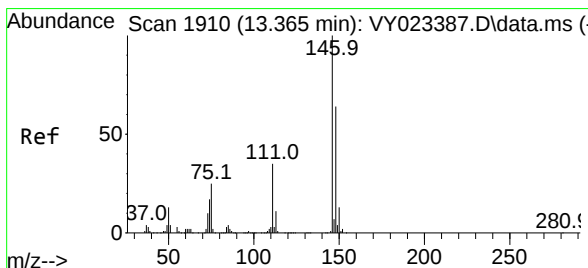
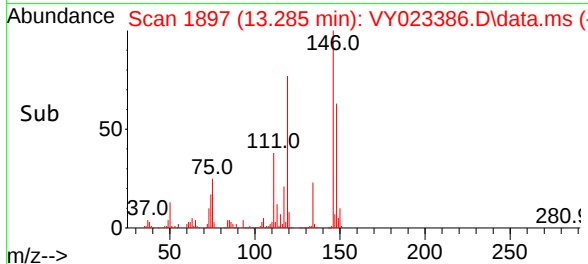
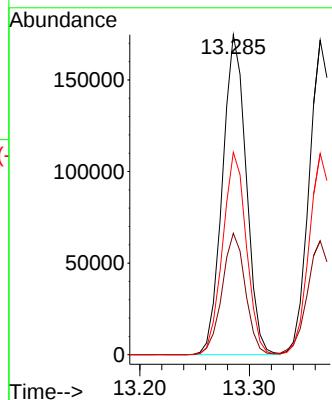
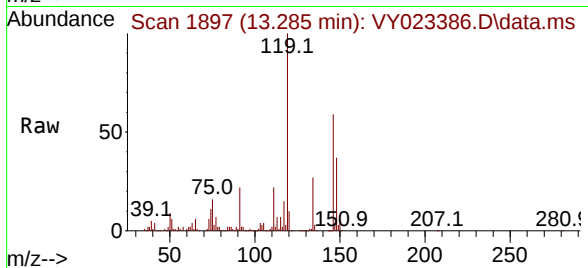
Tgt Ion:146 Resp: 262901

Ion Ratio Lower Upper

146 100

111 37.2 18.7 56.1

148 63.1 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 20.230 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

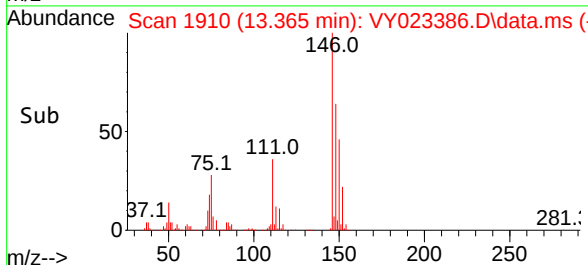
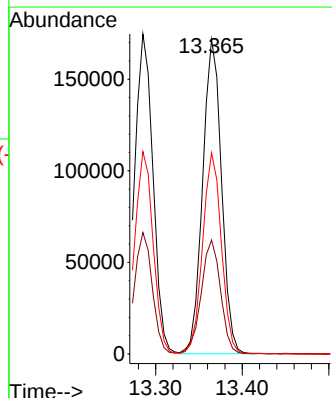
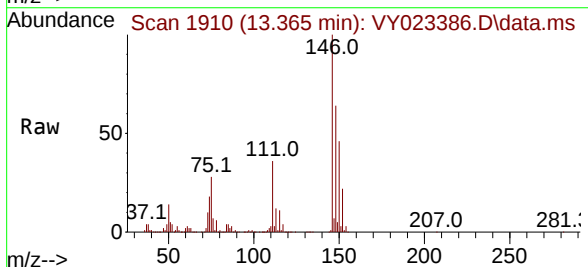
Tgt Ion:146 Resp: 259217

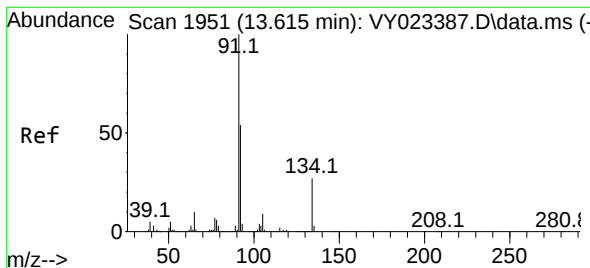
Ion Ratio Lower Upper

146 100

111 37.3 18.0 54.0

148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 19.697 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

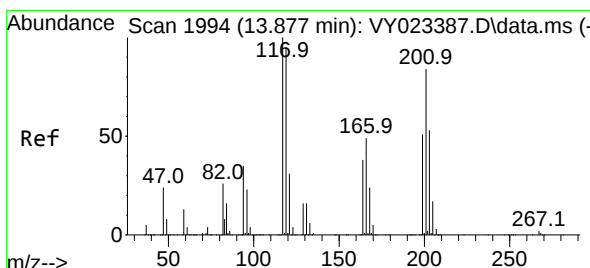
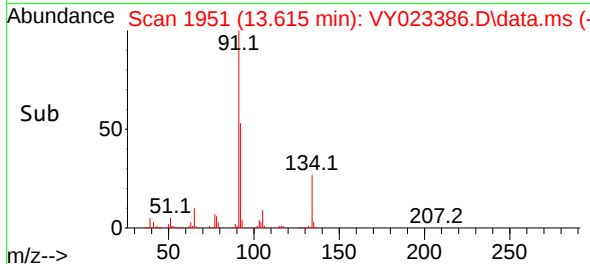
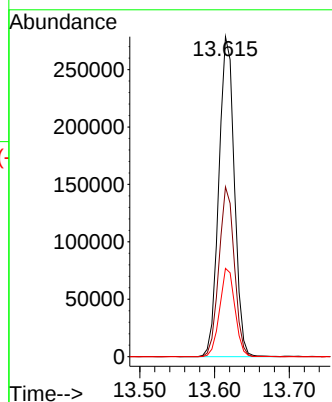
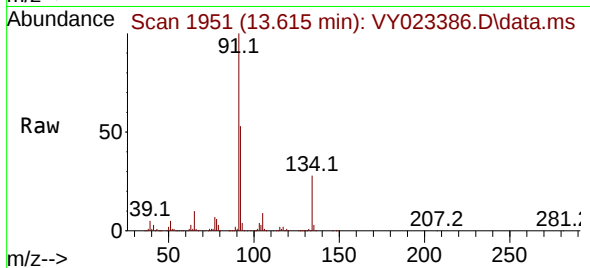
Tgt Ion: 91 Resp: 401893

Ion Ratio Lower Upper

91 100

92 52.6 27.0 80.8

134 27.3 14.1 42.2



#90

Hexachloroethane

Concen: 19.730 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VY023386.D

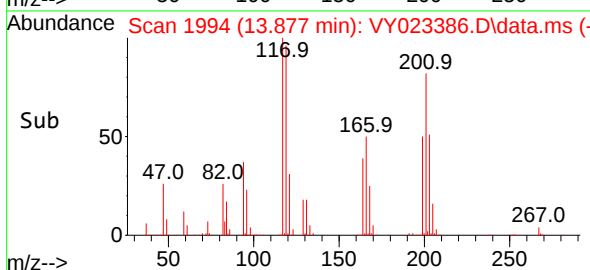
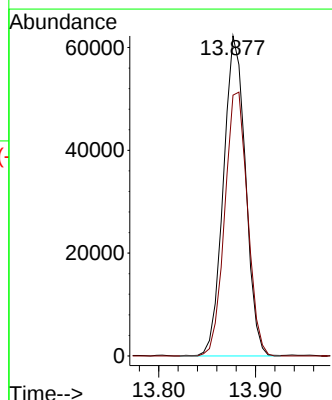
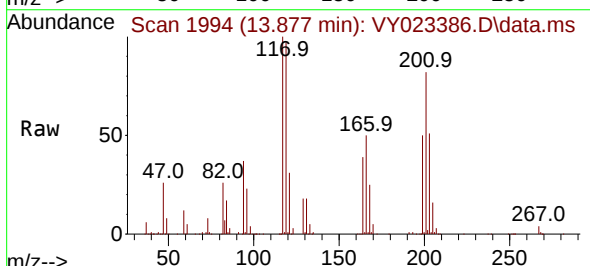
Acq: 07 Oct 2025 11:24

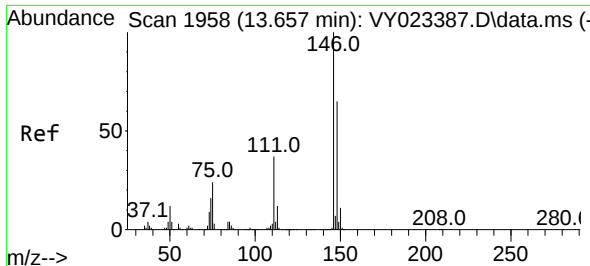
Tgt Ion: 117 Resp: 98983

Ion Ratio Lower Upper

117 100

201 84.8 43.8 131.4

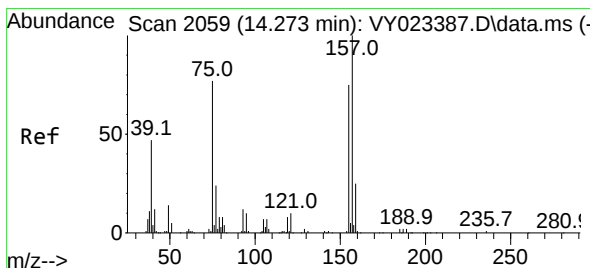
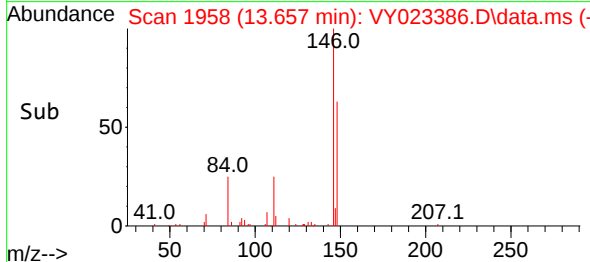
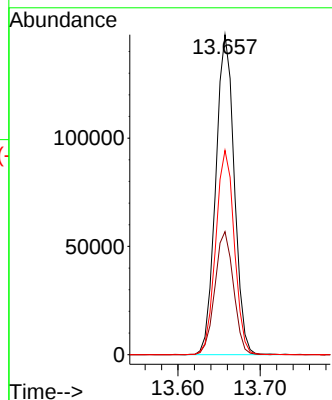
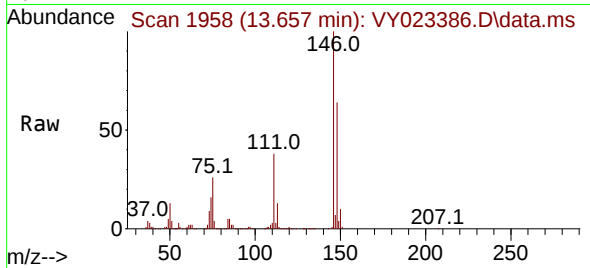




#91
 1,2-Dichlorobenzene
 Concen: 20.507 ug/l
 RT: 13.657 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VY023386.D
 Acq: 07 Oct 2025 11:24

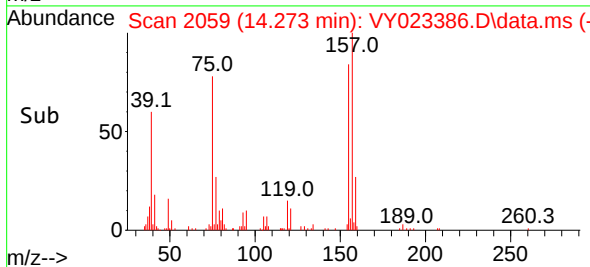
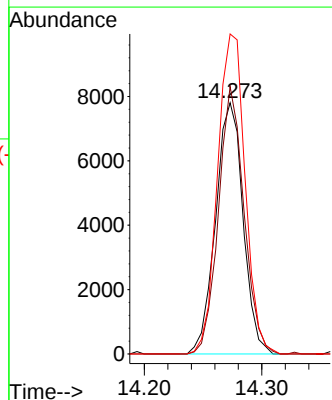
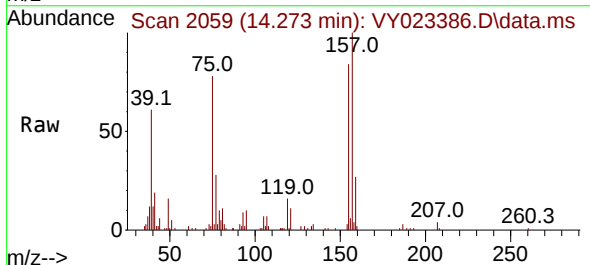
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

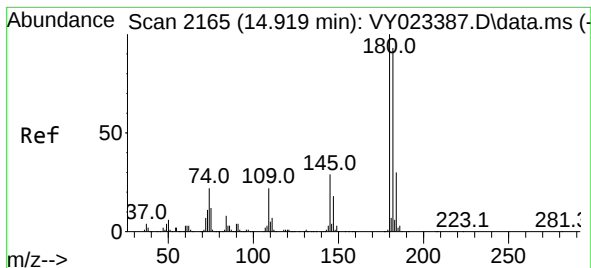
Tgt Ion:146 Resp: 231199
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.0 57.0
 148 64.1 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.802 ug/l
 RT: 14.273 min Scan# 2059
 Delta R.T. -0.000 min
 Lab File: VY023386.D
 Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 12668
 Ion Ratio Lower Upper
 75 100
 155 99.1 50.0 150.0
 157 127.9 63.8 191.5





#93

1,2,4-Trichlorobenzene

Concen: 20.770 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

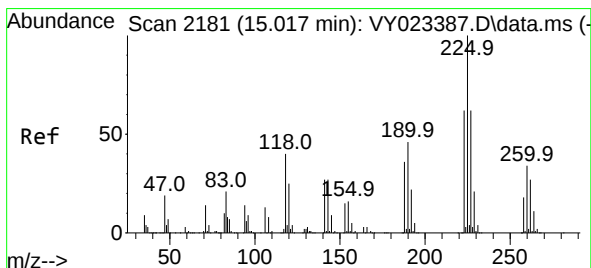
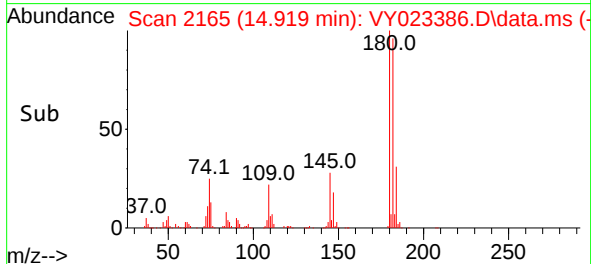
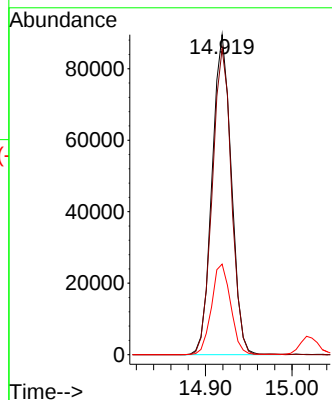
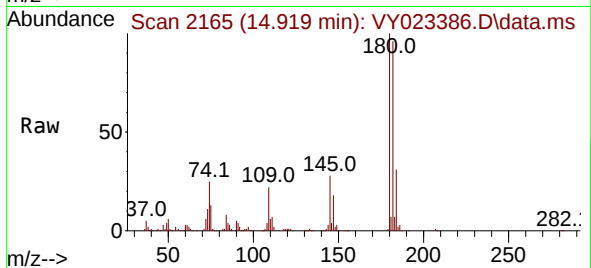
Tgt Ion:180 Resp: 137963

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

145 28.3 14.7 44.1



#94

Hexachlorobutadiene

Concen: 21.159 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

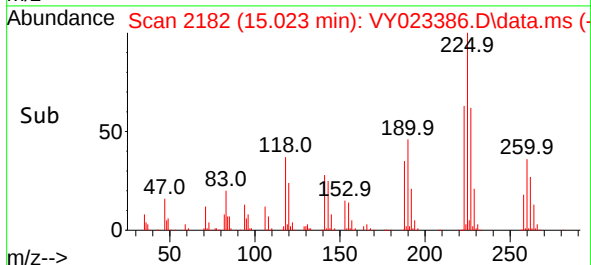
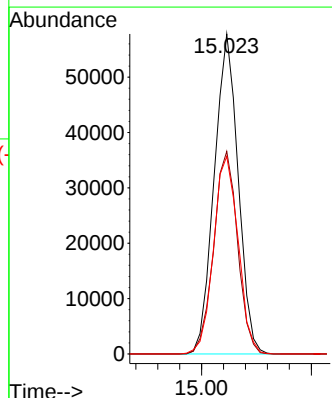
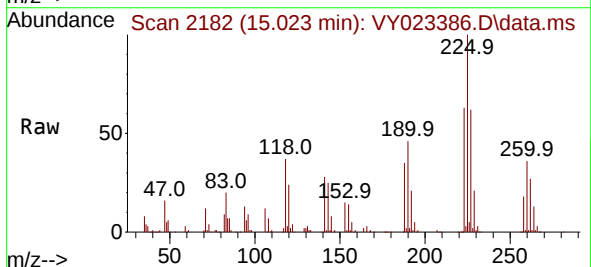
Tgt Ion:225 Resp: 87575

Ion Ratio Lower Upper

225 100

223 63.1 30.8 92.3

227 63.4 31.9 95.7





#95

Naphthalene

Concen: 19.467 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

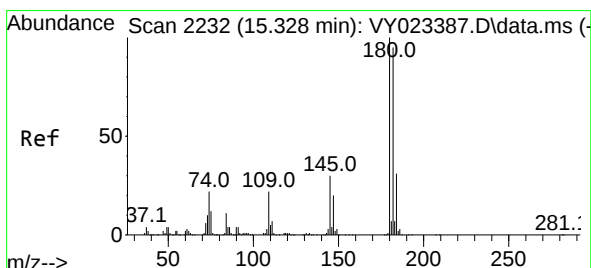
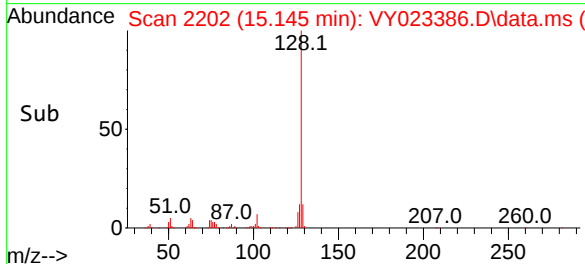
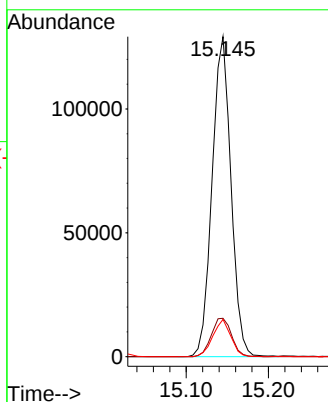
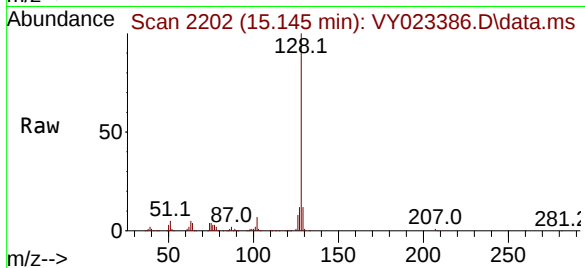
Tgt Ion:128 Resp: 206017

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.1 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 21.113 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023386.D

Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 121656

Ion Ratio Lower Upper

180 100

182 93.3 47.9 143.8

145 29.8 15.3 45.9

