

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023389.D
 Acq On : 07 Oct 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 08 04:45:15 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	588489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	765357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	402368	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	714730	140.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 280.480%#	
35) Dibromofluoromethane	7.634	113	778632	149.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 299.960%#	
50) Toluene-d8	10.103	98	2912319	148.741	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 297.480%#	
62) 4-Bromofluorobenzene	12.402	95	990964	160.423	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 320.840%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	587619	126.766	ug/l	97
3) Chloromethane	2.068	50	825167	125.233	ug/l	100
4) Vinyl Chloride	2.208	62	1118134	134.387	ug/l	100
5) Bromomethane	2.580	94	915389	134.118	ug/l	98
6) Chloroethane	2.726	64	756912	133.994	ug/l	99
7) Trichlorofluoromethane	3.050	101	1549160	144.948	ug/l	100
8) Diethyl Ether	3.452	74	418615	149.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	786278	137.639	ug/l	99
10) Methyl Iodide	4.007	142	992925	150.409	ug/l	99
11) Tert butyl alcohol	4.866	59	288878	963.279	ug/l	99
12) 1,1-Dichloroethene	3.787	96	781235	142.133	ug/l	97
13) Acrolein	3.653	56	423418	833.323	ug/l	100
14) Allyl chloride	4.385	41	988378	143.628	ug/l	99
15) Acrylonitrile	5.055	53	841857	768.735	ug/l	99
16) Acetone	3.866	43	789668	689.040	ug/l	99
17) Carbon Disulfide	4.104	76	2199339	128.252	ug/l	100
18) Methyl Acetate	4.385	43	505344	173.497	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	2056533	159.802	ug/l	97
20) Methylene Chloride	4.616	84	835005	134.365	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	871380	142.549	ug/l	98
22) Diisopropyl ether	6.019	45	2218430	145.375	ug/l	99
23) Vinyl Acetate	5.958	43	6377047	760.246	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1398477	139.024	ug/l	98
25) 2-Butanone	6.890	43	1116343	788.091	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1281633	143.391	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1043574	150.505	ug/l	98
28) Bromochloromethane	7.244	49	482210	123.567	ug/l	99
29) Tetrahydrofuran	7.262	42	687719	817.972	ug/l	100
30) Chloroform	7.421	83	1542715	142.221	ug/l	99
31) Cyclohexane	7.701	56	1192778	134.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1405131	144.305	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1069665	146.031	ug/l	100
37) Ethyl Acetate	6.982	43	460027	158.853	ug/l	98
38) Carbon Tetrachloride	7.817	117	1290353	151.646	ug/l	99
39) Methylcyclohexane	9.109	83	1496612	159.580	ug/l	99
40) Benzene	8.079	78	3366812	147.442	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	246974	164.212	ug/l	98
42) 1,2-Dichloroethane	8.158	62	866250	149.063	ug/l	100
43) Isopropyl Acetate	8.195	43	946087	167.955	ug/l	100
44) Trichloroethene	8.866	130	966011	150.740	ug/l	99
45) 1,2-Dichloropropane	9.140	63	752286	146.403	ug/l	99
46) Dibromomethane	9.231	93	483702	153.895	ug/l	99
47) Bromodichloromethane	9.420	83	1202247	151.965	ug/l	98
48) Methyl methacrylate	9.219	41	463614	176.368	ug/l	100
49) 1,4-Dioxane	9.225	88	123991	3809.726	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	2516107	872.045	ug/l	100
52) Toluene	10.170	92	2272574	156.786	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	1123644	165.367	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1296713	159.654	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	652242	156.020	ug/l	96
56) Ethyl methacrylate	10.438	69	886127	184.048	ug/l	100
57) 1,3-Dichloropropane	10.713	76	1049593	155.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	2040136	968.559	ug/l	100
59) 2-Hexanone	10.755	43	1776032	889.038	ug/l	99
60) Dibromochloromethane	10.908	129	935577	164.084	ug/l	99
61) 1,2-Dibromoethane	11.012	107	639895	162.699	ug/l	99
64) Tetrachloroethene	10.646	164	1046931	136.739	ug/l	98
65) Chlorobenzene	11.438	112	2563176	154.117	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	923367	157.870	ug/l	99
67) Ethyl Benzene	11.518	91	4341801	159.957	ug/l	97
68) m/p-Xylenes	11.627	106	3502137	321.899	ug/l	99
69) o-Xylene	11.950	106	1694987	168.295	ug/l	98
70) Styrene	11.969	104	2830398	170.203	ug/l	99
71) Bromoform	12.127	173	602644	172.115	ug/l #	99
73) Isopropylbenzene	12.249	105	4290662	160.084	ug/l	100
74) N-amyl acetate	12.066	43	890882	177.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	737773	165.010	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	940308	236.912	ug/l #	100
77) Bromobenzene	12.530	156	1111318	161.555	ug/l	100
78) n-propylbenzene	12.591	91	4932015	156.465	ug/l	99
79) 2-Chlorotoluene	12.676	91	2822049	155.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	3496249	160.460	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	245190	166.570	ug/l	98
82) 4-Chlorotoluene	12.773	91	2902371	152.701	ug/l	99
83) tert-Butylbenzene	12.993	119	3220384	162.197	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	3503639	162.527	ug/l	99
85) sec-Butylbenzene	13.170	105	4560715	158.609	ug/l	99
86) p-Isopropyltoluene	13.286	119	4024712	165.622	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	2165278	159.350	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	2090133	155.104	ug/l	100
89) n-Butylbenzene	13.615	91	3505715	163.379	ug/l	99
90) Hexachloroethane	13.877	117	799264	151.487	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1862691	157.101	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	116273	164.099	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	1272621	182.183	ug/l	100
94) Hexachlorobutadiene	15.017	225	711748	163.518	ug/l	98
95) Naphthalene	15.139	128	2277549	204.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	1110193	183.206	ug/l	100

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

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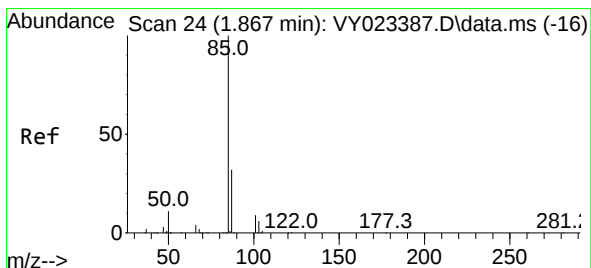
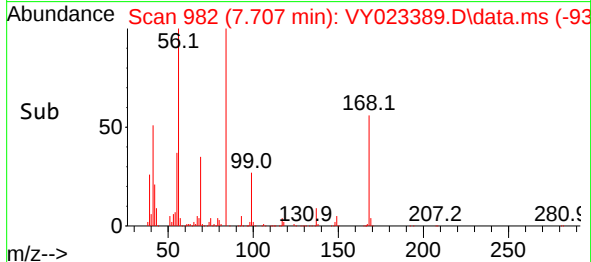
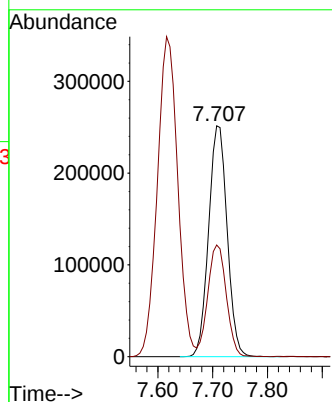
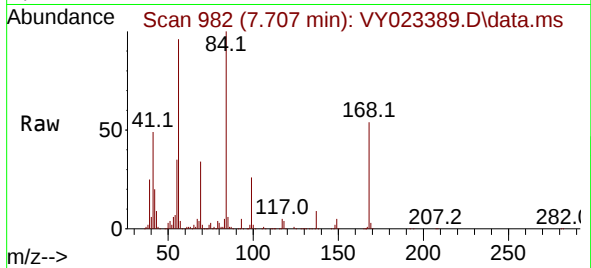




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

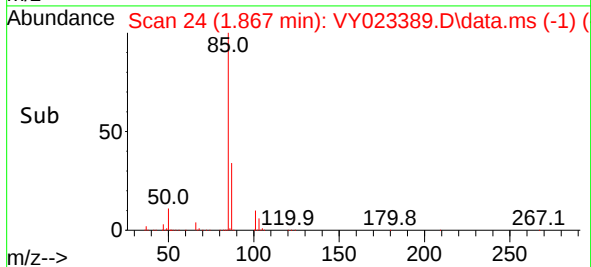
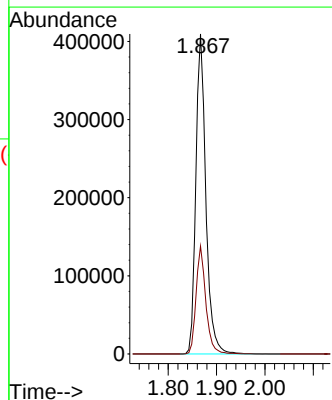
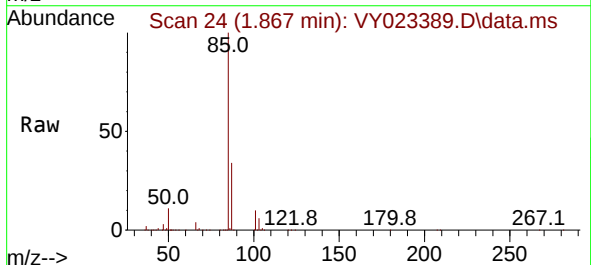
Instrument :
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ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 588489
Ion Ratio Lower Upper
168 100
99 48.3 39.7 59.5



#2
Dichlorodifluoromethane
Concen: 126.766 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 85 Resp: 587619
Ion Ratio Lower Upper
85 100
87 33.7 16.0 47.9

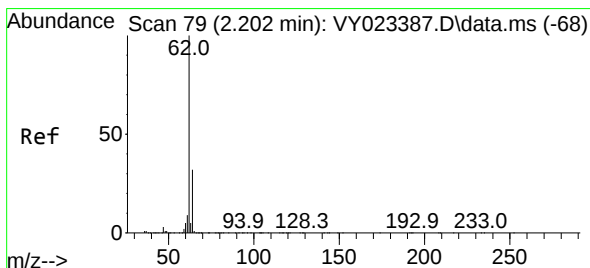
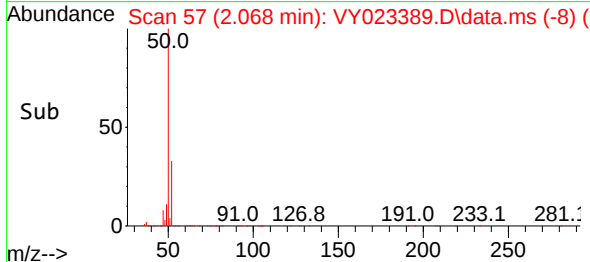
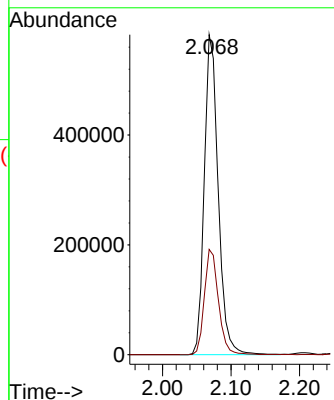
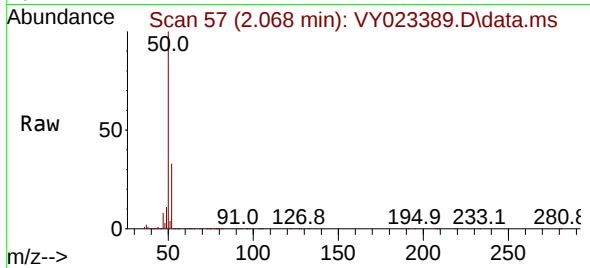




#3
Chloromethane
Concen: 125.233 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

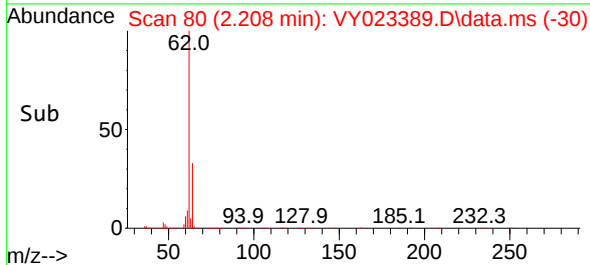
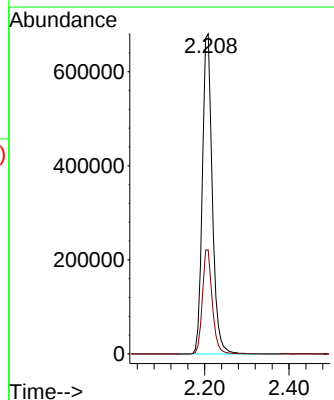
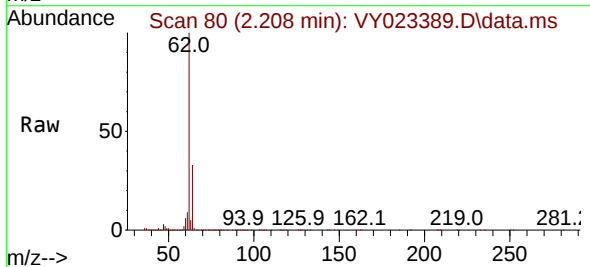
Instrument :
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ClientSampleId :
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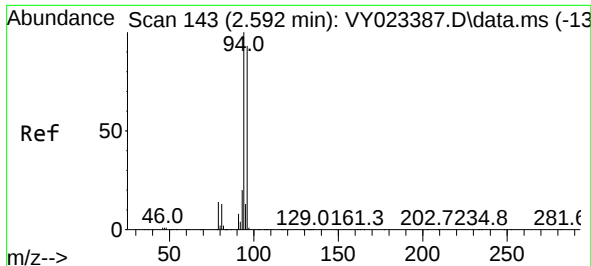
Tgt Ion: 50 Resp: 825167
Ion Ratio Lower Upper
50 100
52 32.9 26.2 39.2



#4
Vinyl Chloride
Concen: 134.387 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 1118134
Ion Ratio Lower Upper
62 100
64 32.5 25.8 38.8

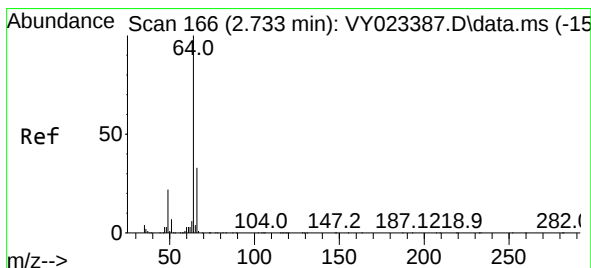
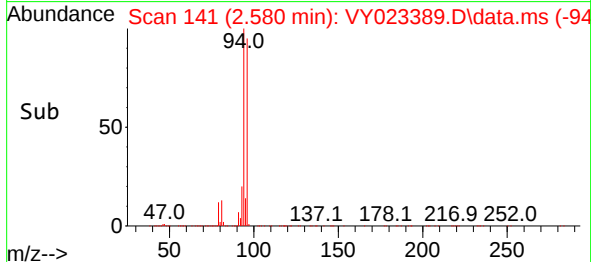
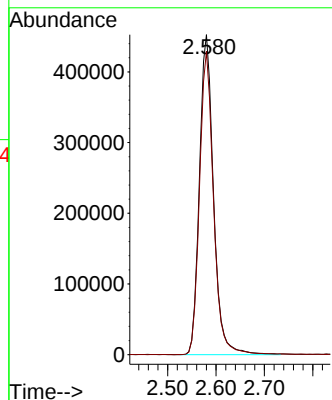
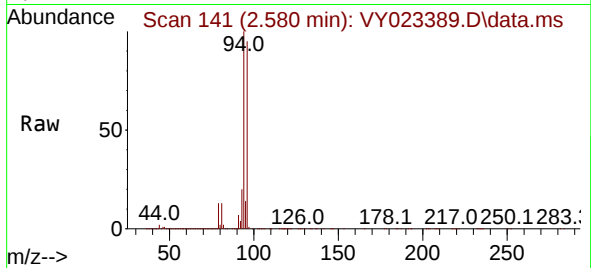




#5
Bromomethane
Concen: 134.118 ug/l
RT: 2.580 min Scan# 143
Delta R.T. -0.012 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

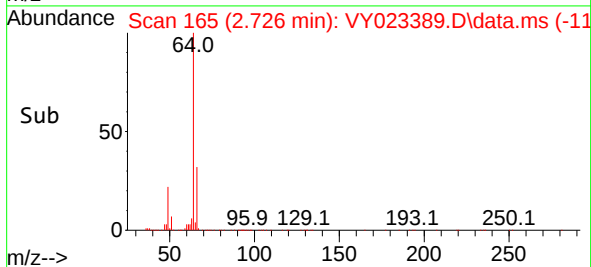
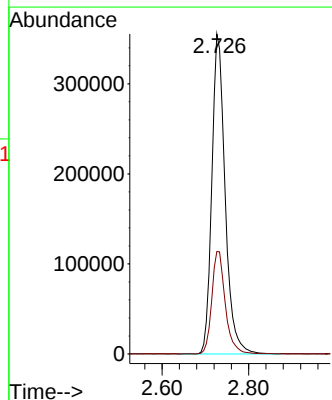
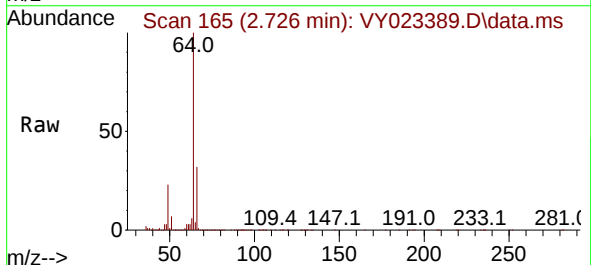
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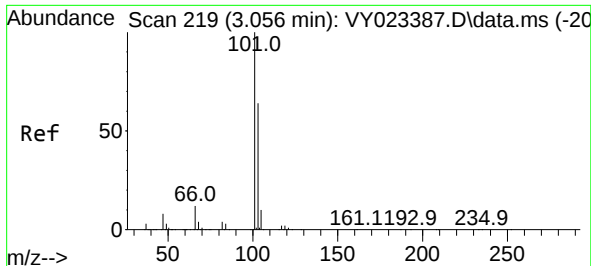
Tgt Ion: 94 Resp: 915389
Ion Ratio Lower Upper
94 100
96 94.8 74.5 111.7



#6
Chloroethane
Concen: 133.994 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 64 Resp: 756912
Ion Ratio Lower Upper
64 100
66 32.0 26.2 39.4

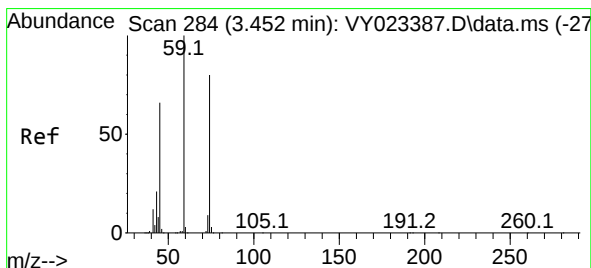
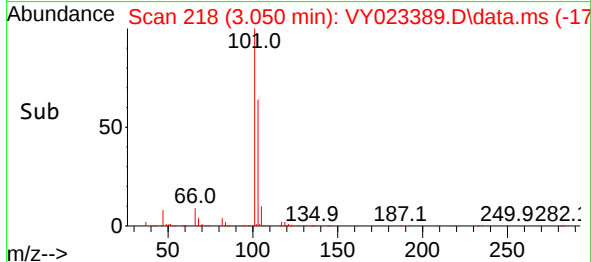
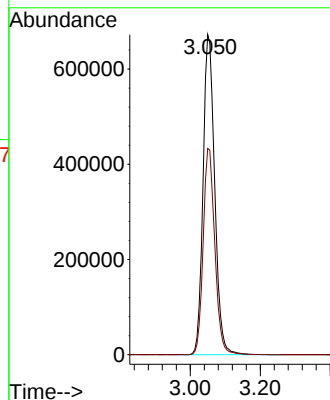
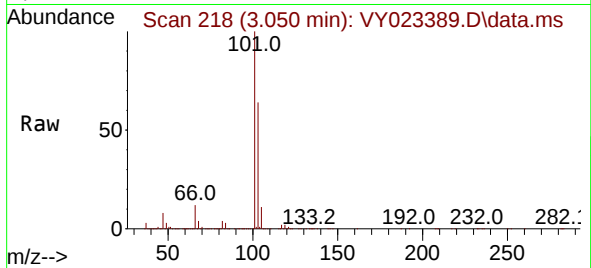




#7
 Trichlorofluoromethane
 Concen: 144.948 ug/l
 RT: 3.050 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY023389.D
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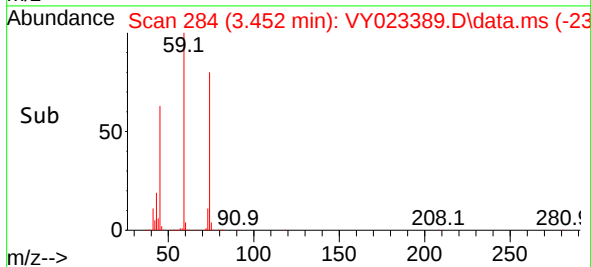
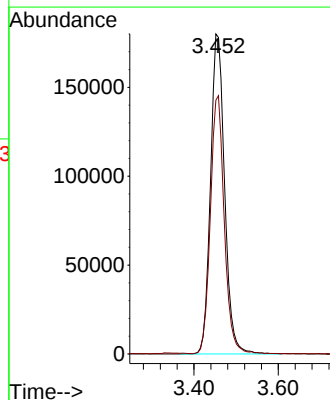
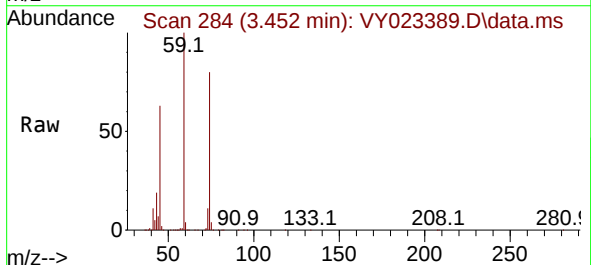
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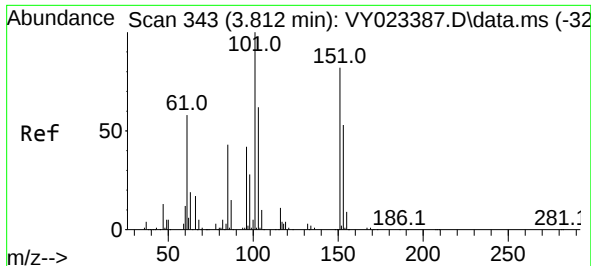
Tgt Ion:101 Resp: 1549160
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.3 76.9



#8
 Diethyl Ether
 Concen: 149.747 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. -0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

Tgt Ion: 74 Resp: 418615
 Ion Ratio Lower Upper
 74 100
 45 79.7 39.9 119.7

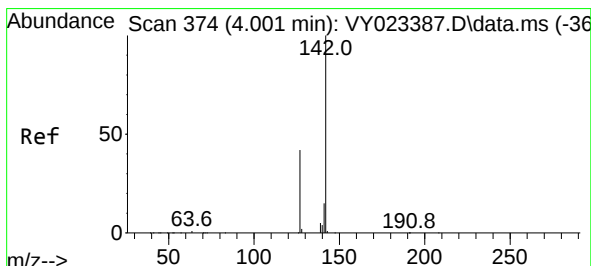
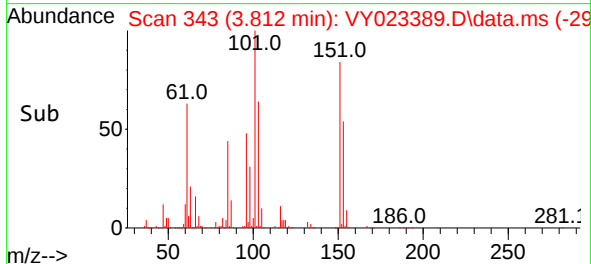
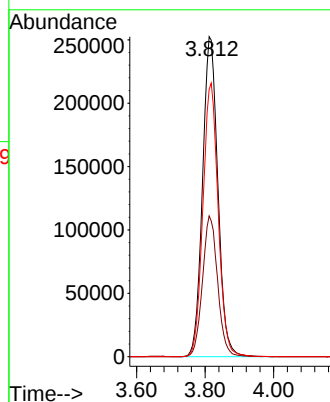
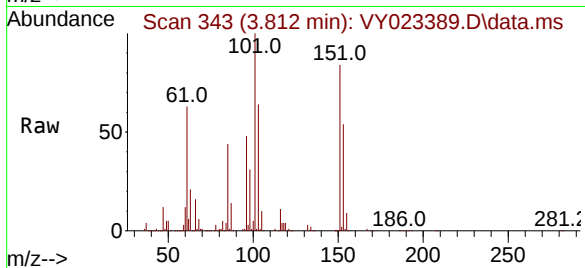




#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.639 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
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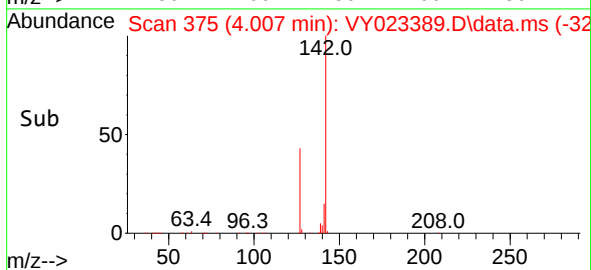
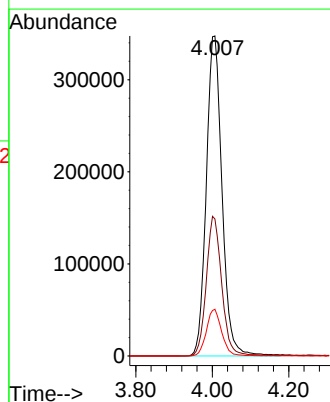
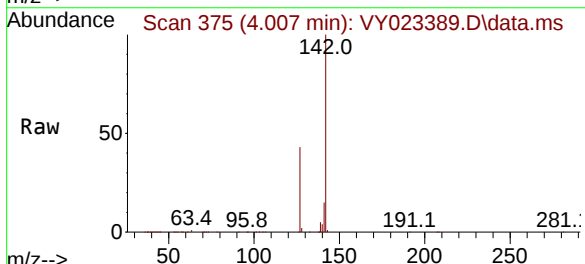
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ClientSampleId :
VSTDIC150

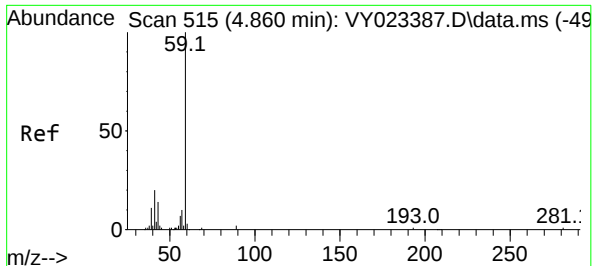
Tgt Ion:101 Resp: 786278
Ion Ratio Lower Upper
101 100
85 43.5 34.6 51.8
151 85.2 67.0 100.6



#10
Methyl Iodide
Concen: 150.409 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:142 Resp: 992925
Ion Ratio Lower Upper
142 100
127 42.8 34.8 52.2
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 963.279 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

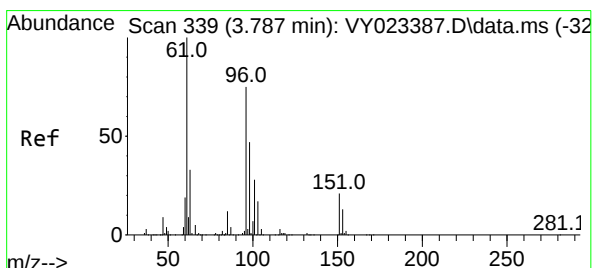
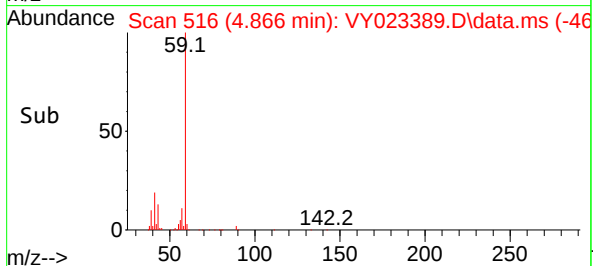
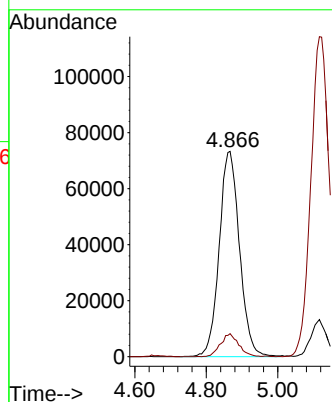
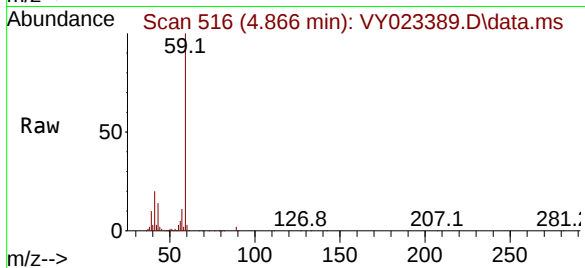
VSTDIC150

Tgt Ion: 59 Resp: 288878

Ion Ratio Lower Upper

59 100

57 10.1 8.3 12.5



#12

1,1-Dichloroethene

Concen: 142.133 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

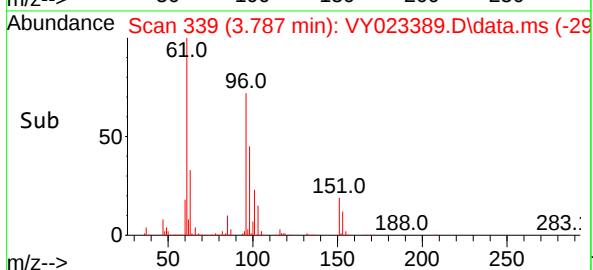
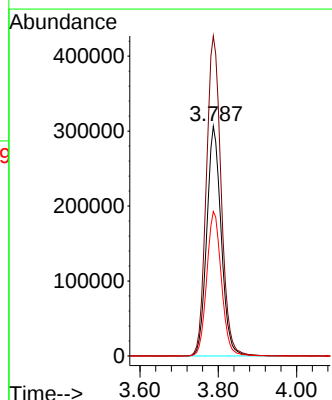
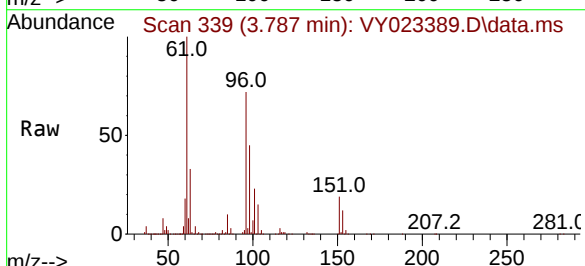
Tgt Ion: 96 Resp: 781235

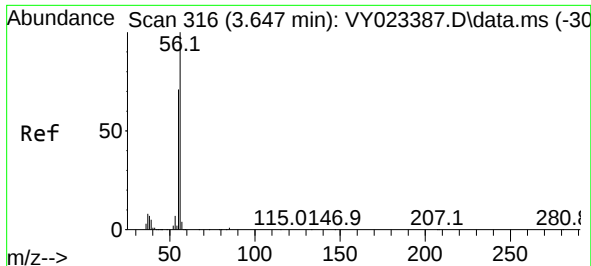
Ion Ratio Lower Upper

96 100

61 139.3 106.7 160.1

98 62.9 50.2 75.4

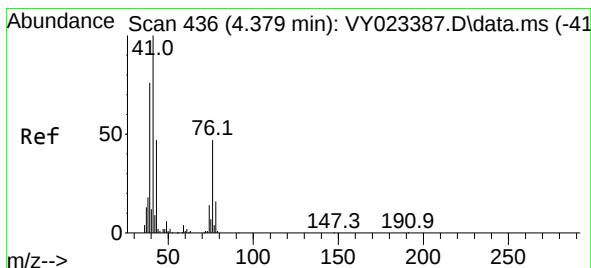
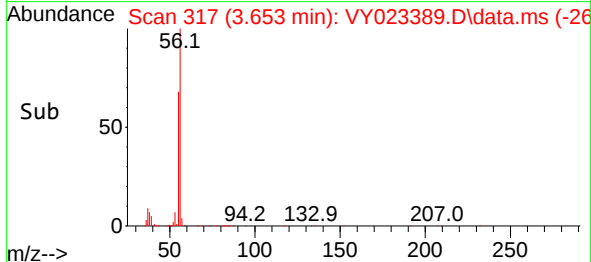
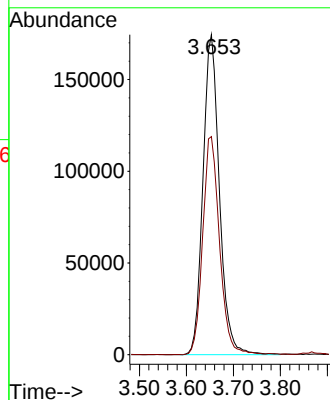
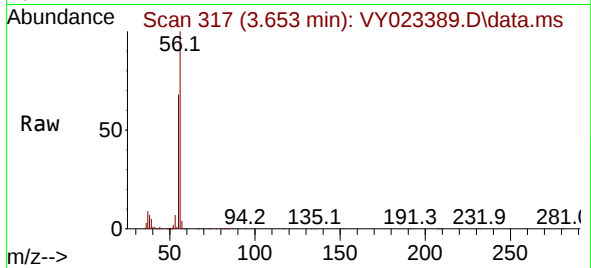




#13
Acrolein
Concen: 833.323 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

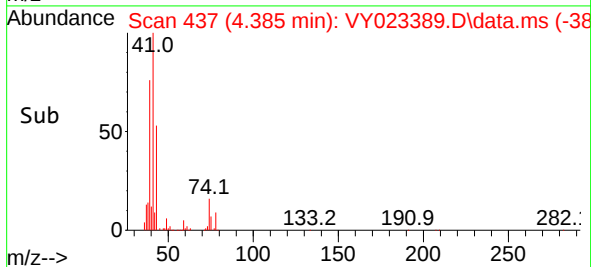
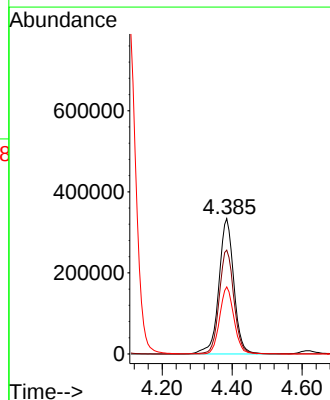
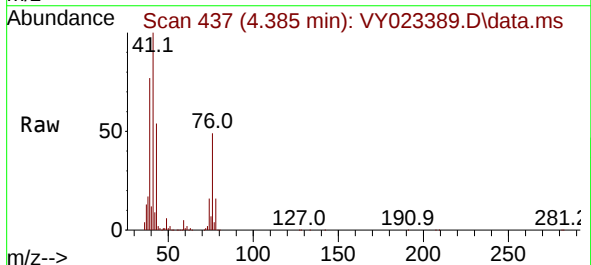
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 423418
Ion Ratio Lower Upper
56 100
55 69.7 56.1 84.1



#14
Allyl chloride
Concen: 143.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 988378
Ion Ratio Lower Upper
41 100
39 75.6 59.9 89.9
76 47.2 38.0 57.0

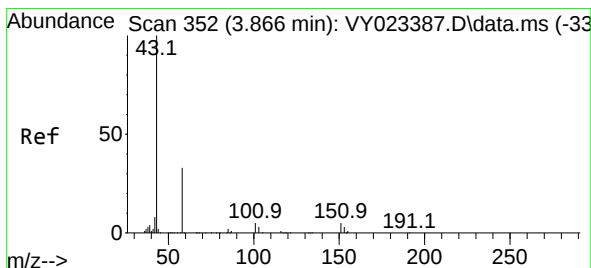
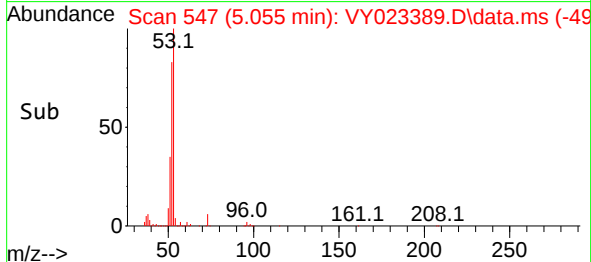
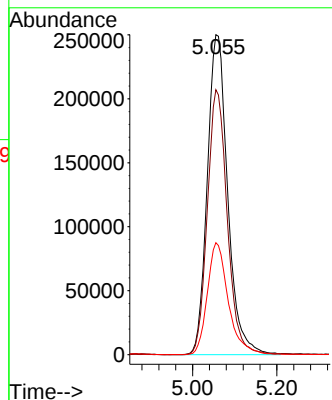
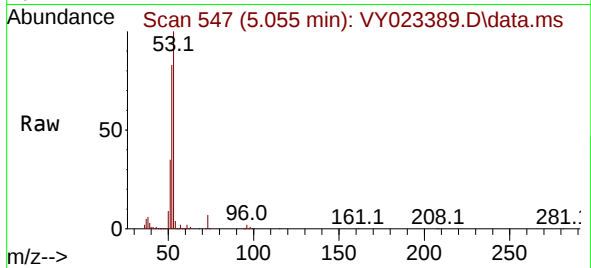




#15
Acrylonitrile
Concen: 768.735 ug/l
RT: 5.055 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

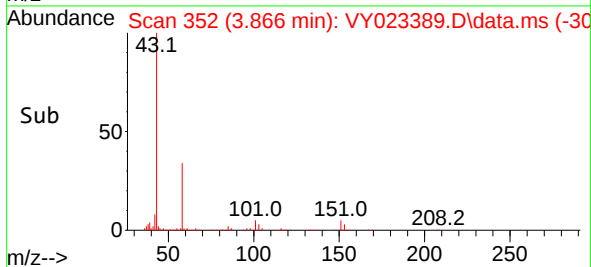
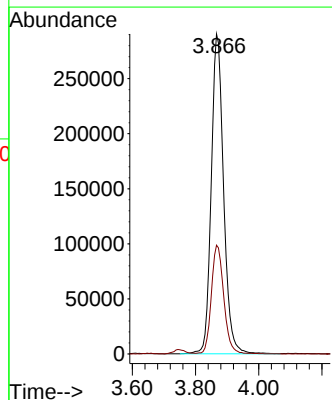
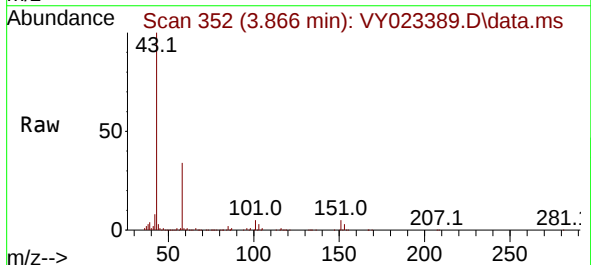
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

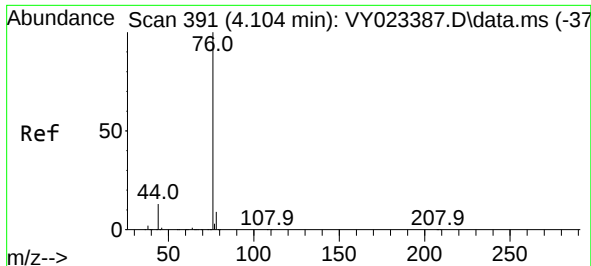
Tgt Ion: 53 Resp: 841857
Ion Ratio Lower Upper
53 100
52 80.9 64.6 97.0
51 36.0 29.5 44.3



#16
Acetone
Concen: 689.040 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 789668
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5

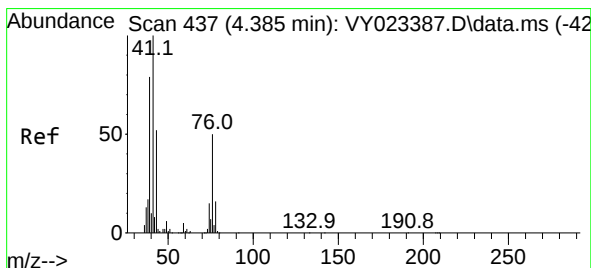
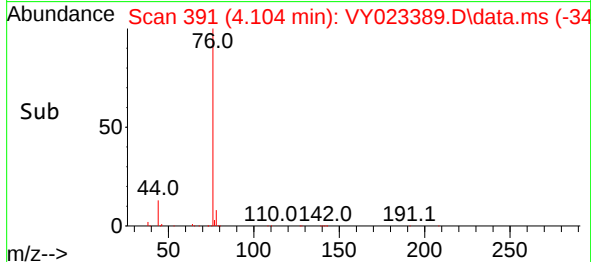
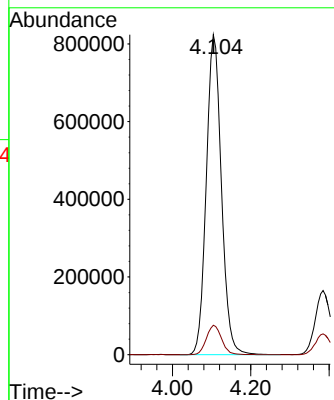
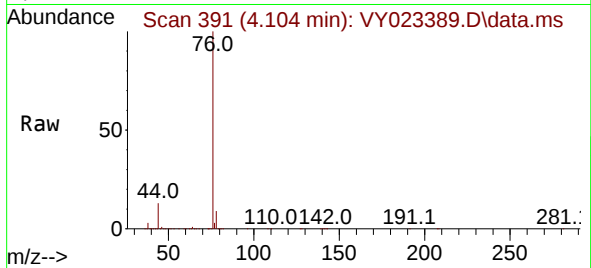




#17
Carbon Disulfide
Concen: 128.252 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

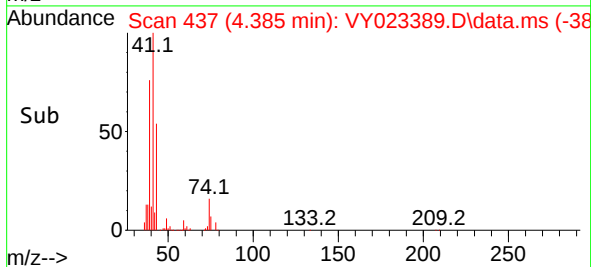
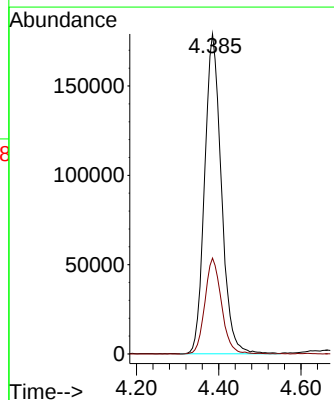
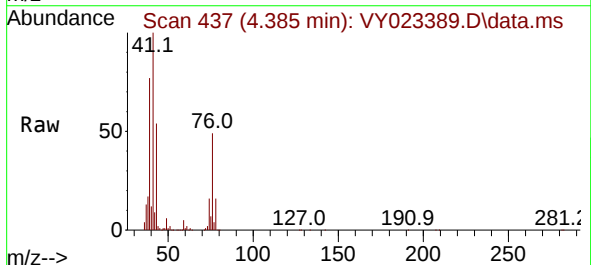
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

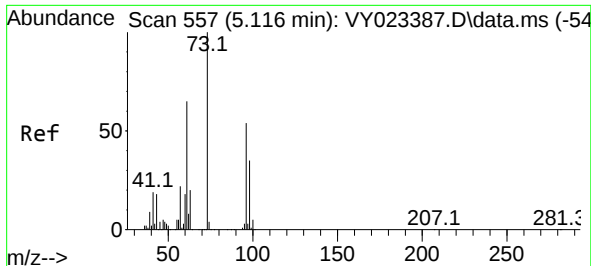
Tgt Ion: 76 Resp: 2199339
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 173.497 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 505344
Ion Ratio Lower Upper
43 100
74 29.7 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 159.802 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

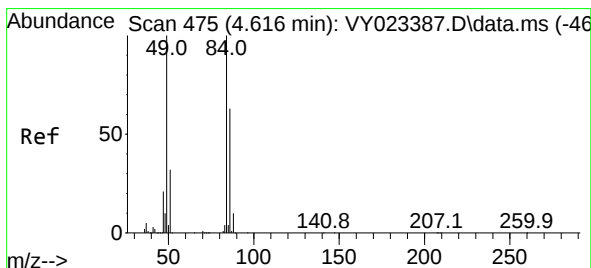
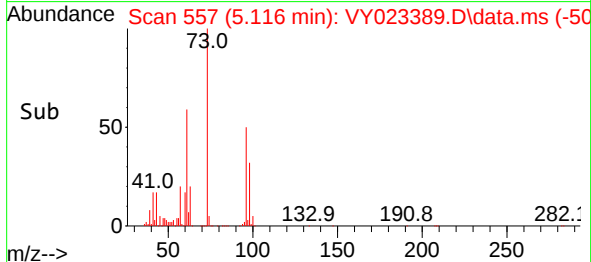
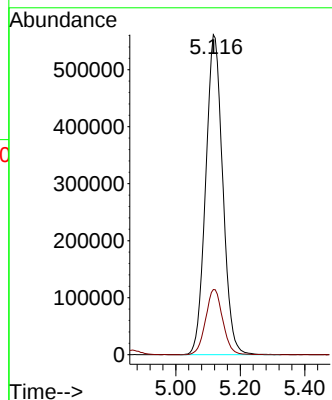
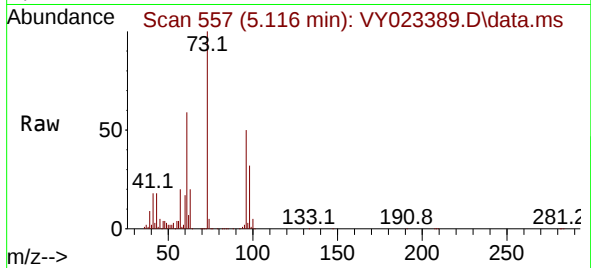
VSTDICC150

Tgt Ion: 73 Resp: 2056533

Ion Ratio Lower Upper

73 100

57 20.3 17.4 26.0



#20

Methylene Chloride

Concen: 134.365 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion: 84 Resp: 835005

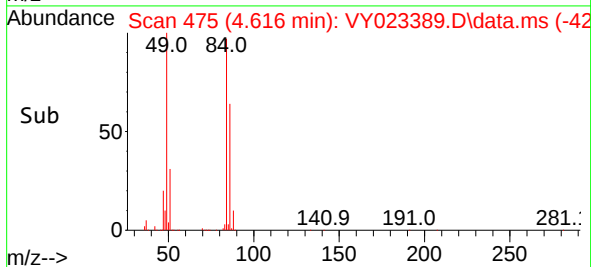
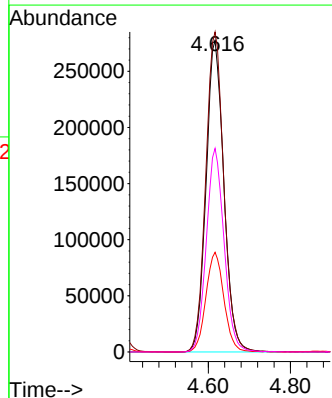
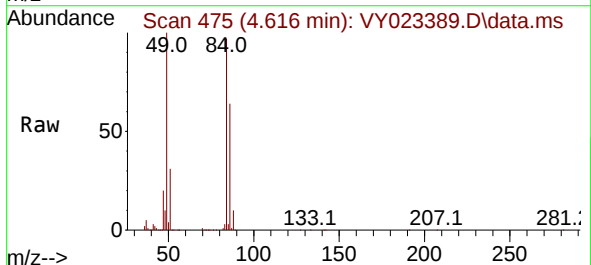
Ion Ratio Lower Upper

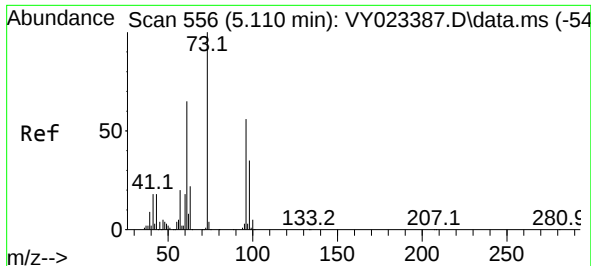
84 100

49 102.7 80.2 120.4

51 31.9 25.9 38.9

86 65.3 50.6 75.8

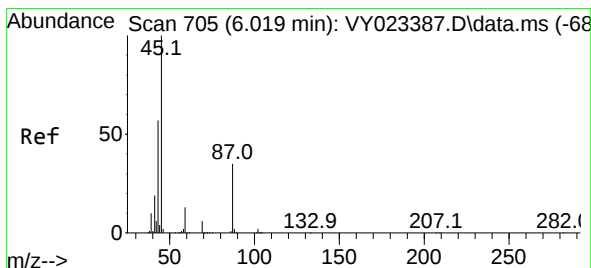
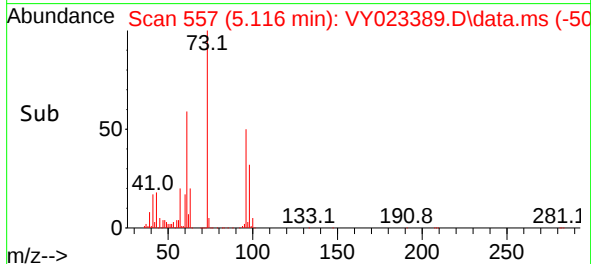
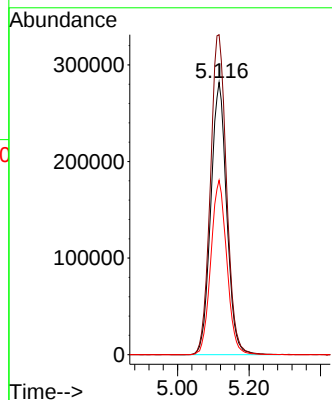
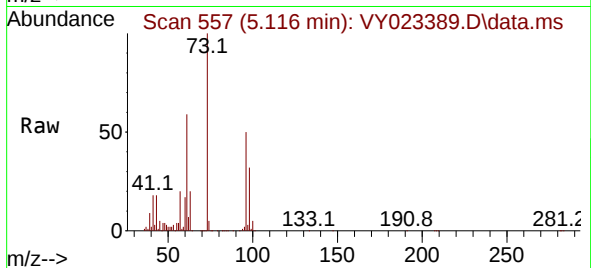




#21
trans-1,2-Dichloroethene
Concen: 142.549 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

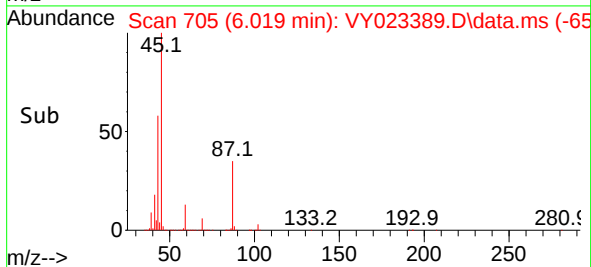
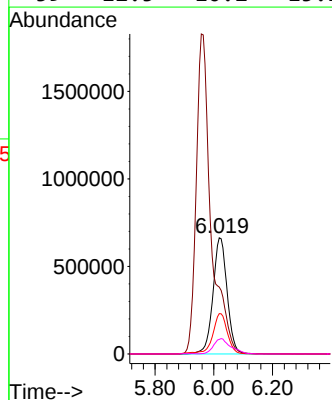
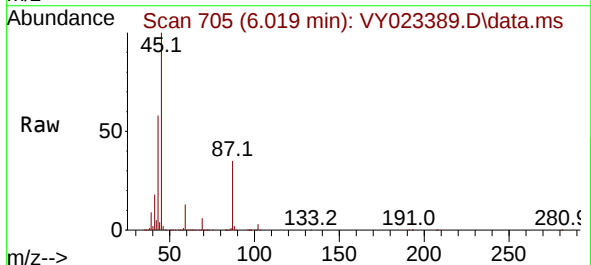
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 871380
Ion Ratio Lower Upper
96 100
61 117.5 92.7 139.1
98 64.1 49.7 74.5



#22
Diisopropyl ether
Concen: 145.375 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 45 Resp: 2218430
Ion Ratio Lower Upper
45 100
43 57.6 45.6 68.4
87 34.7 28.1 42.1
59 12.5 10.2 15.2

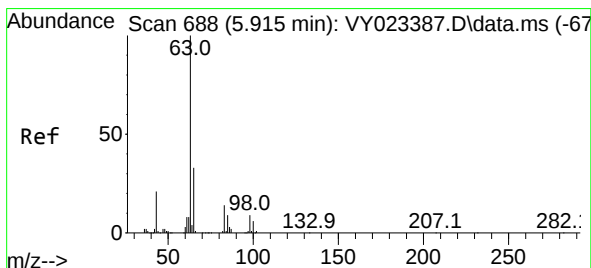
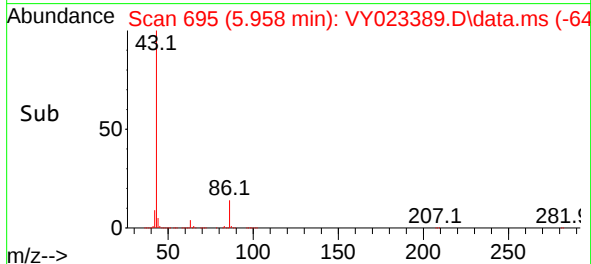
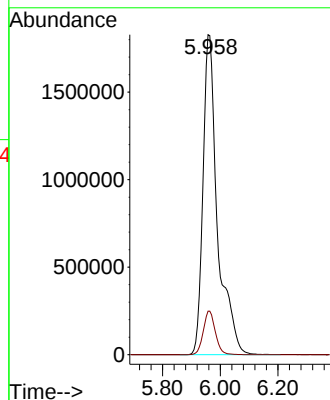
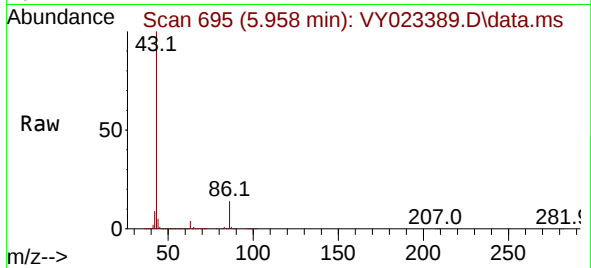




#23
 Vinyl Acetate
 Concen: 760.246 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

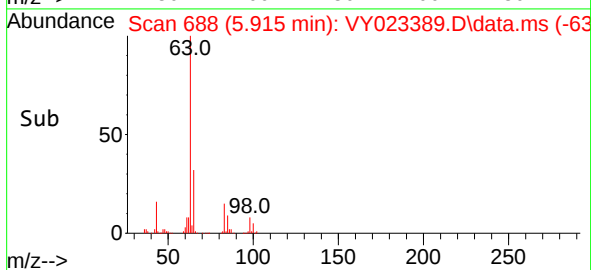
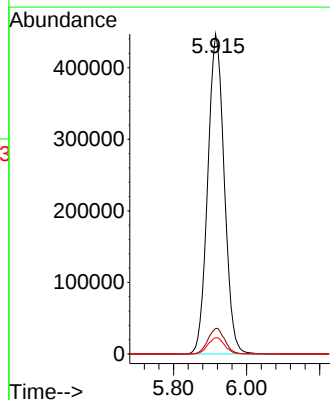
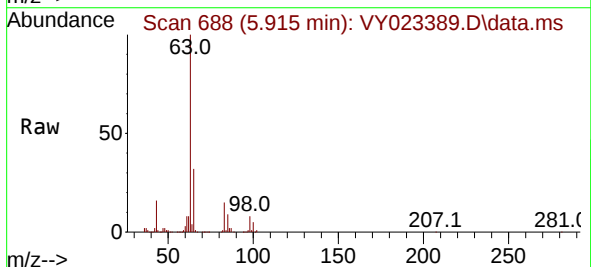
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 6377047
 Ion Ratio Lower Upper
 43 100
 86 13.6 10.6 15.8



#24
 1,1-Dichloroethane
 Concen: 139.024 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 1398477
 Ion Ratio Lower Upper
 63 100
 98 8.0 4.3 13.1
 100 5.0 2.8 8.4

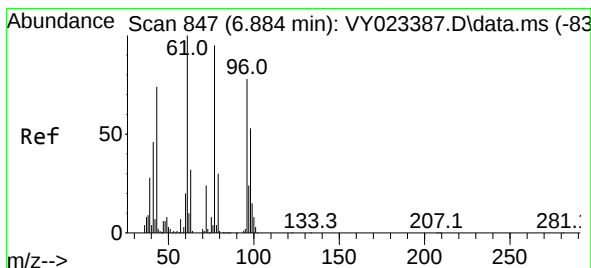
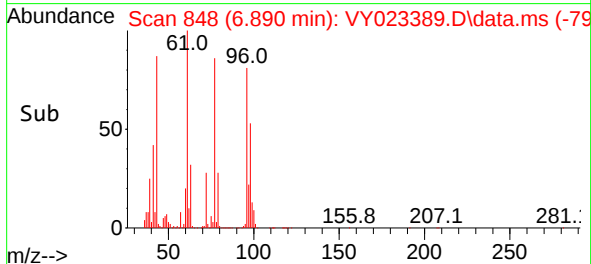
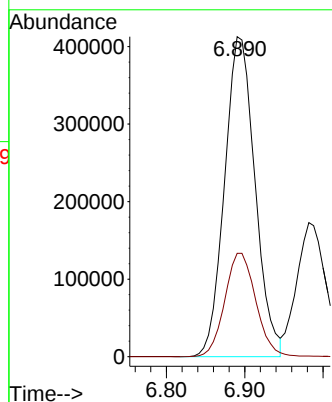
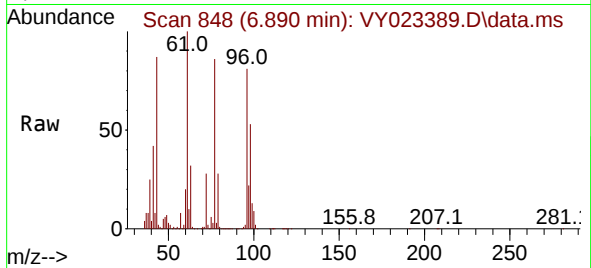




#25
2-Butanone
Concen: 788.091 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

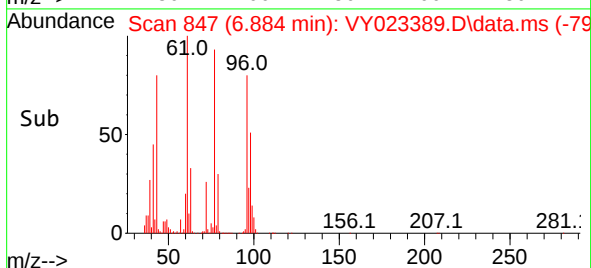
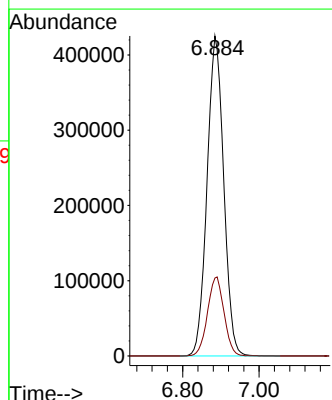
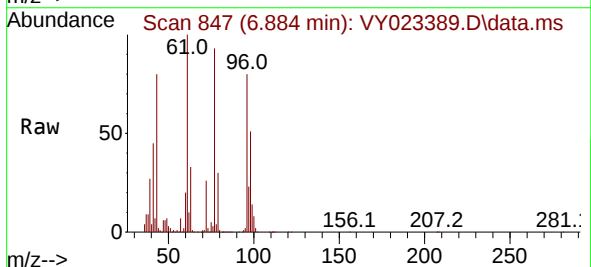
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1116343
Ion Ratio Lower Upper
43 100
72 32.3 27.4 41.2



#26
2,2-Dichloropropane
Concen: 143.391 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 77 Resp: 1281633
Ion Ratio Lower Upper
77 100
97 24.6 12.1 36.3

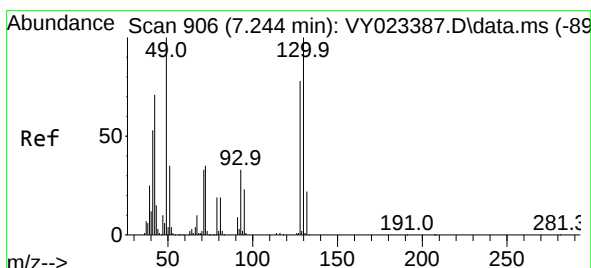
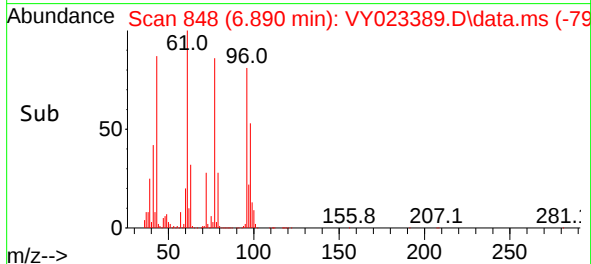
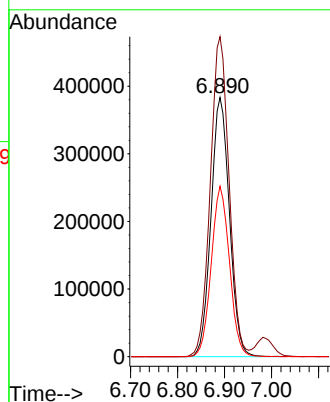
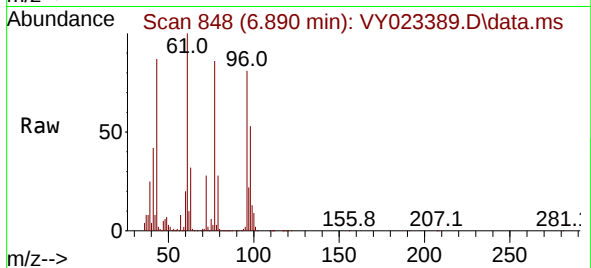




#27
 cis-1,2-Dichloroethene
 Concen: 150.505 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

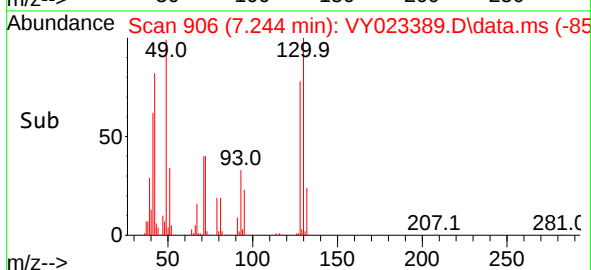
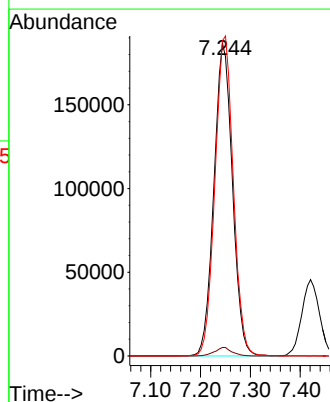
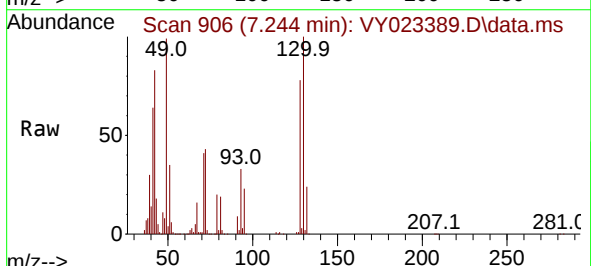
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

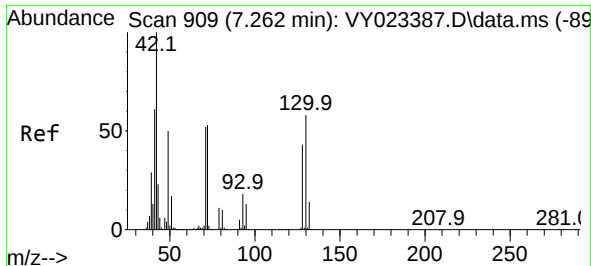
Tgt Ion: 96 Resp: 1043574
 Ion Ratio Lower Upper
 96 100
 61 125.7 0.0 258.2
 98 65.0 0.0 132.0



#28
 Bromochloromethane
 Concen: 123.567 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

Tgt Ion: 49 Resp: 482210
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.6
 130 101.2 81.9 122.9





#29

Tetrahydrofuran

Concen: 817.972 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

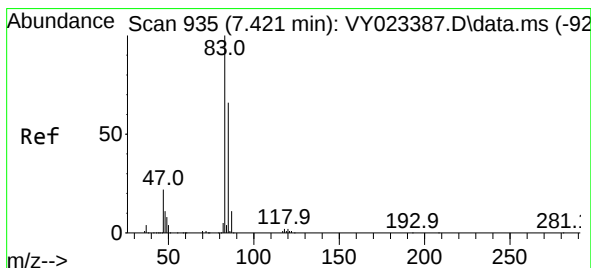
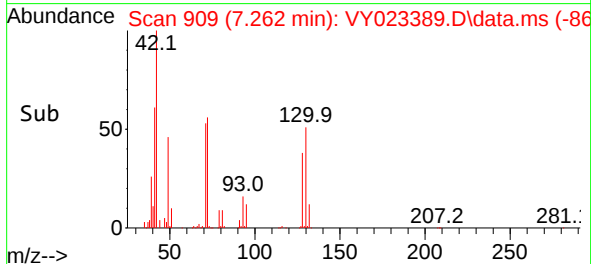
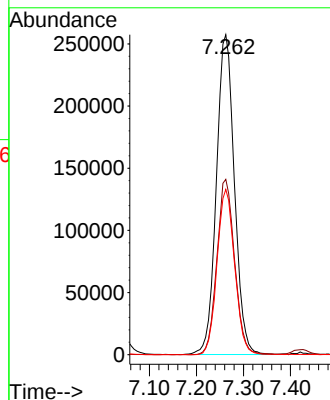
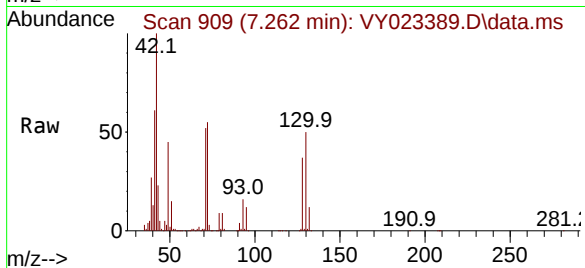
Tgt Ion: 42 Resp: 687719

Ion Ratio Lower Upper

42 100

72 53.9 43.0 64.6

71 50.4 40.1 60.1



#30

Chloroform

Concen: 142.221 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY023389.D

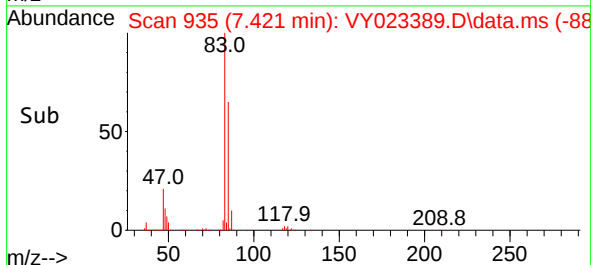
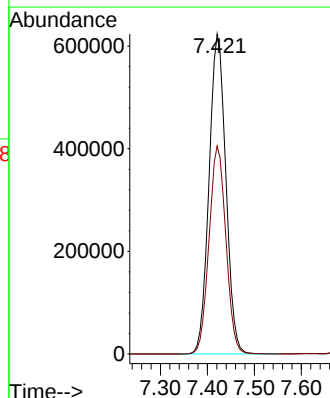
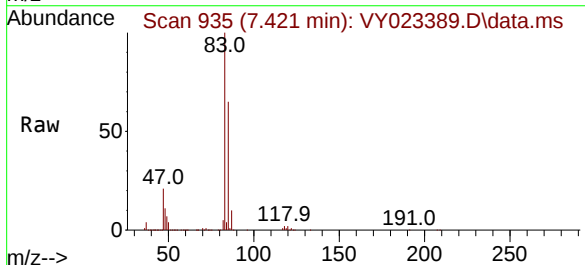
Acq: 07 Oct 2025 12:32

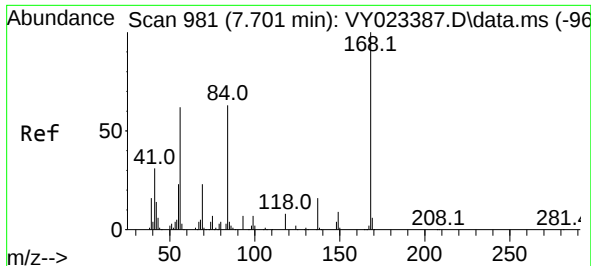
Tgt Ion: 83 Resp: 1542715

Ion Ratio Lower Upper

83 100

85 65.0 52.5 78.7

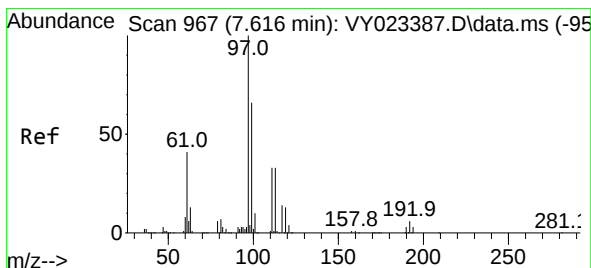
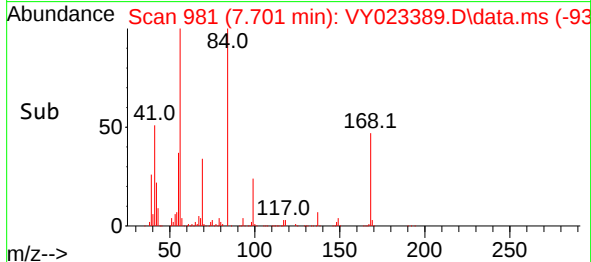
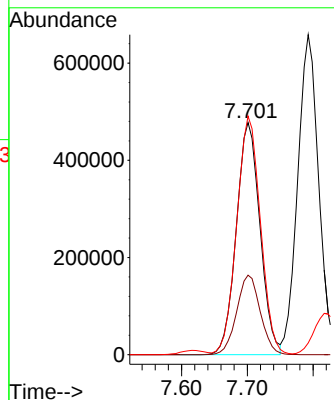
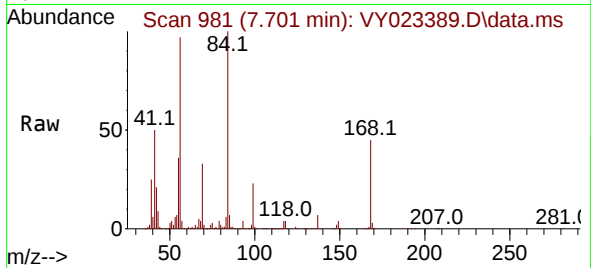




#31
Cyclohexane
Concen: 134.268 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

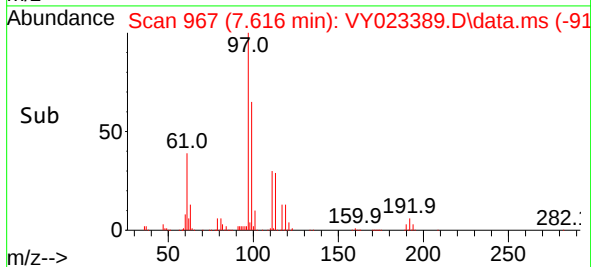
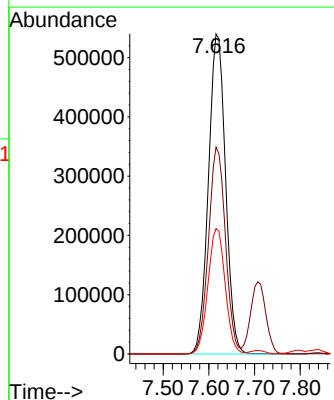
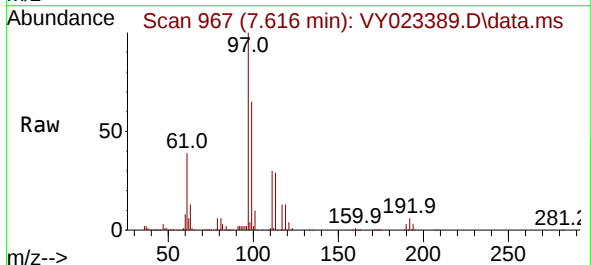
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 1192778
Ion Ratio Lower Upper
56 100
69 34.2 30.0 45.0
84 101.7 81.2 121.8



#32
1,1,1-Trichloroethane
Concen: 144.305 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 97 Resp: 1405131
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 39.5 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 140.236 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

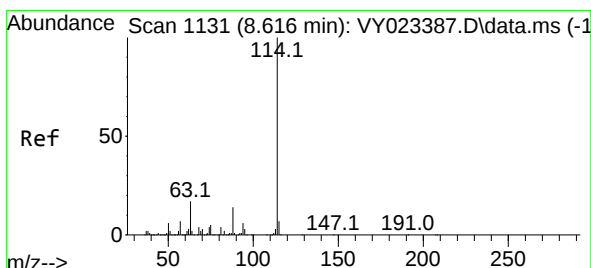
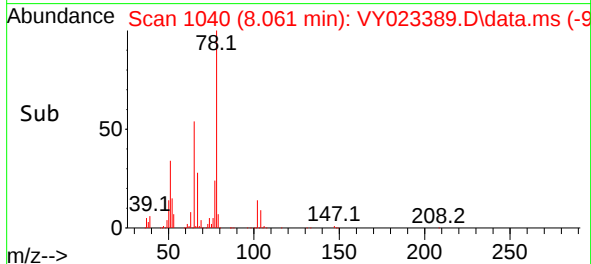
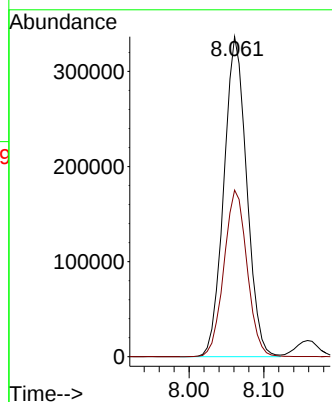
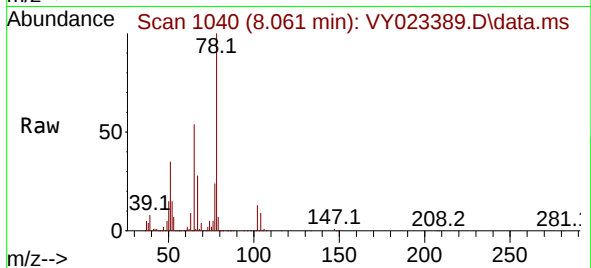
VSTDIC150

Tgt Ion: 65 Resp: 714730

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

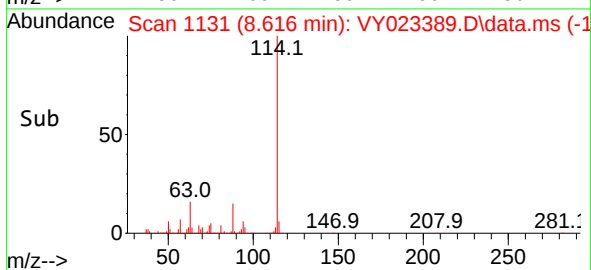
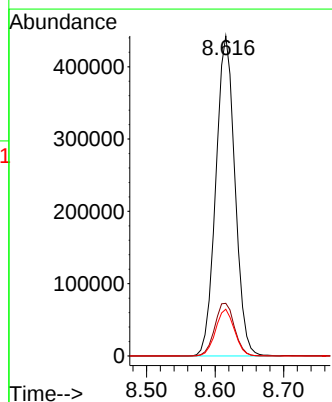
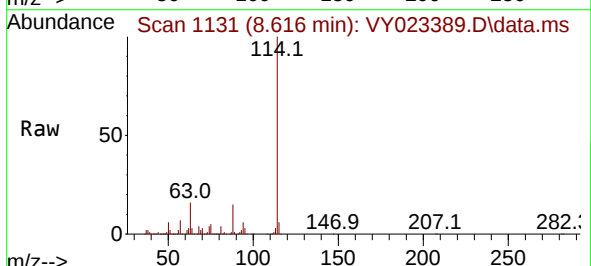
Tgt Ion: 114 Resp: 855488

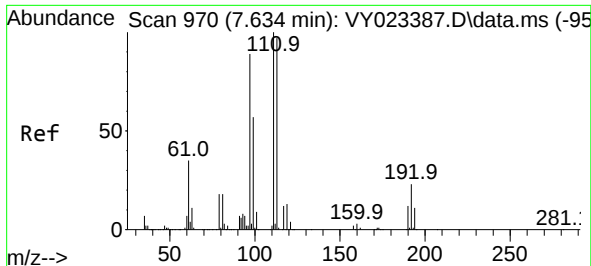
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.6 0.0 28.4

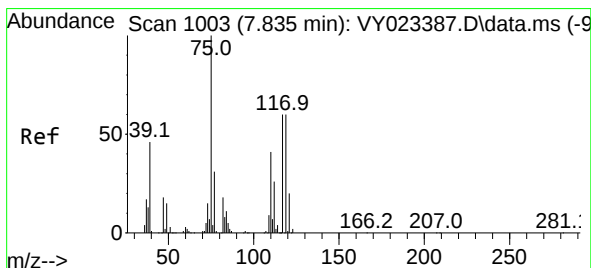
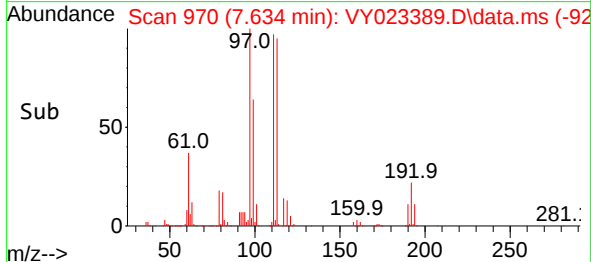
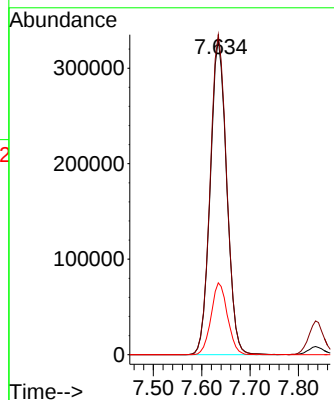
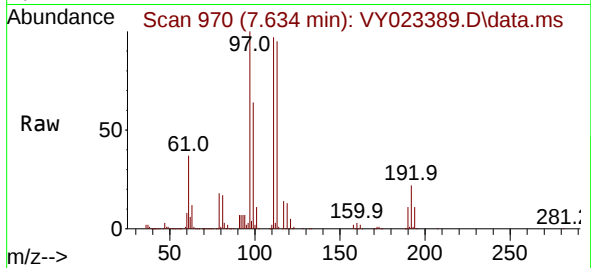




#35
Dibromofluoromethane
Concen: 149.977 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

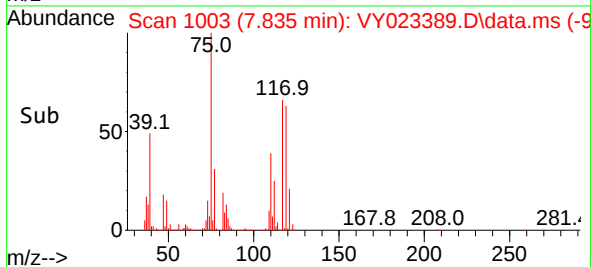
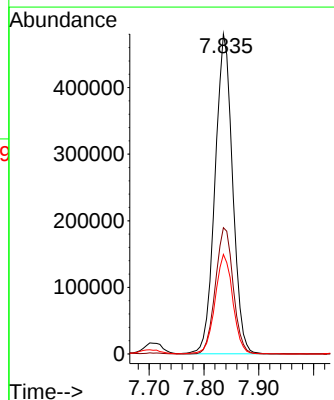
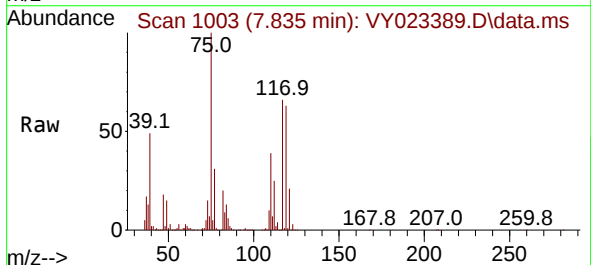
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

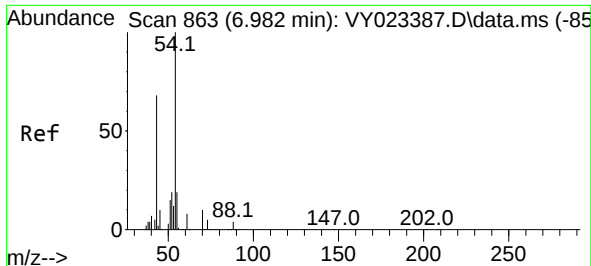
Tgt Ion:113 Resp: 778632
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 22.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 146.031 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1069665
Ion Ratio Lower Upper
75 100
110 39.9 19.9 59.7
77 31.4 25.0 37.6

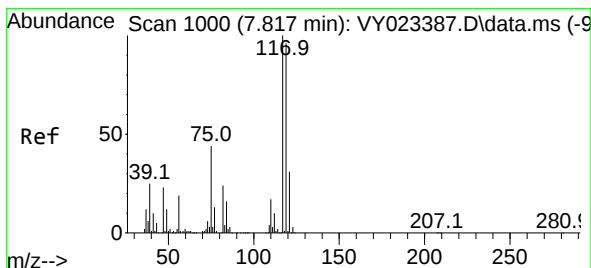
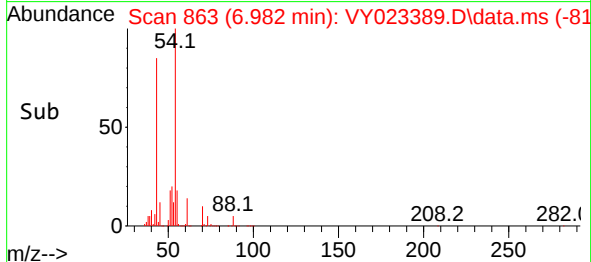
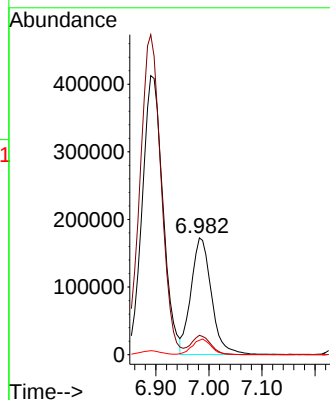
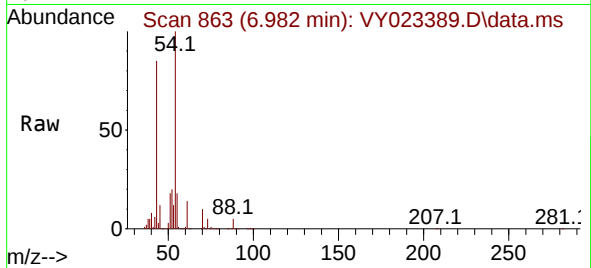




#37
Ethyl Acetate
Concen: 158.853 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

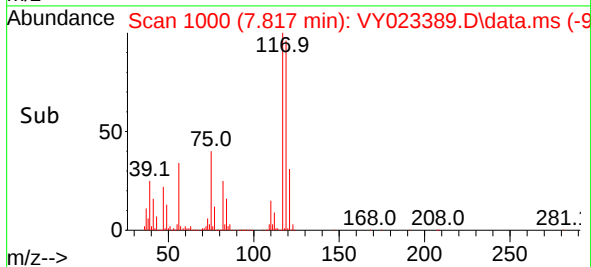
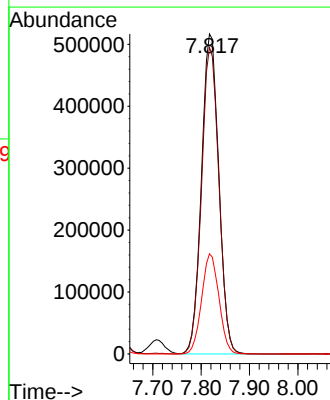
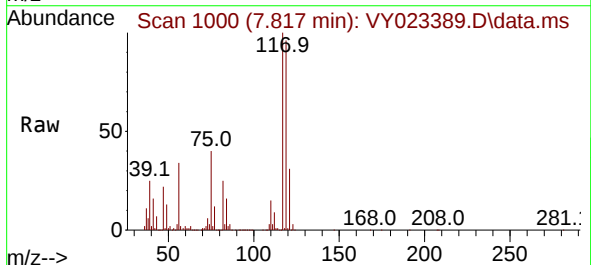
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 460027
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.8
70 12.7 10.5 15.7



#38
Carbon Tetrachloride
Concen: 151.646 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 117 Resp: 1290353
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2
121 31.3 24.5 36.7





#39

Methylcyclohexane

Concen: 159.580 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

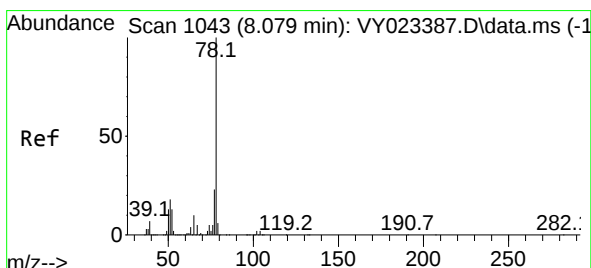
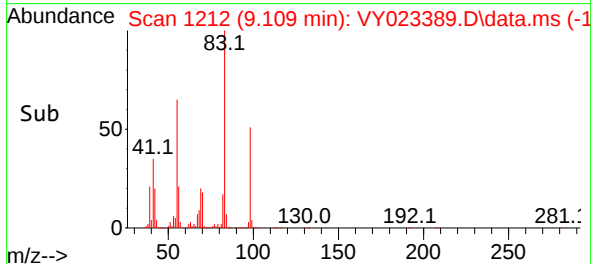
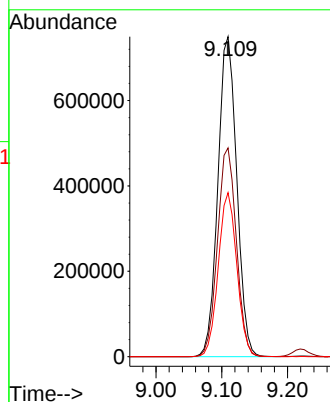
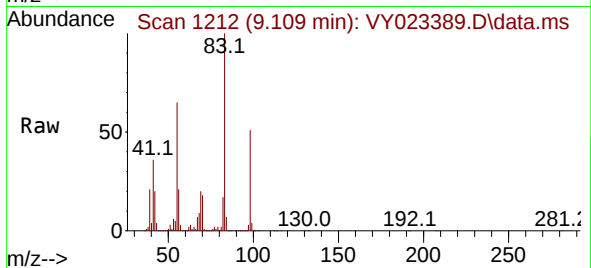
MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1496612

Ion	Ratio	Lower	Upper
83	100		
55	65.2	51.4	77.2
98	51.2	40.4	60.6



#40

Benzene

Concen: 147.442 ug/l

RT: 8.079 min Scan# 1043

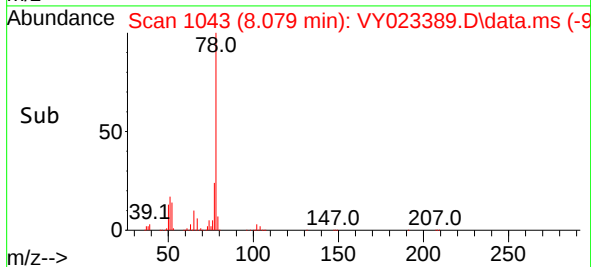
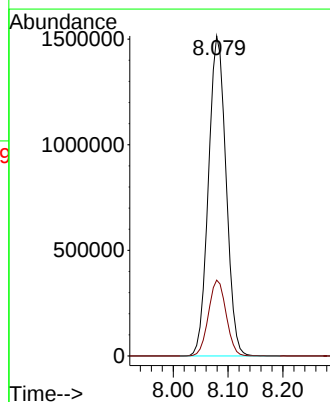
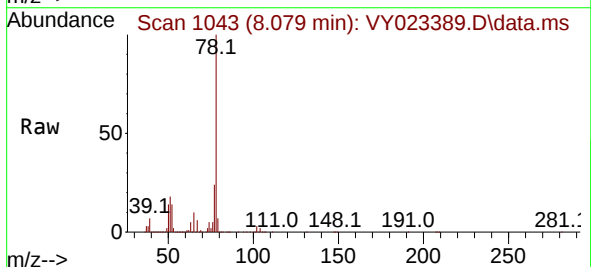
Delta R.T. -0.000 min

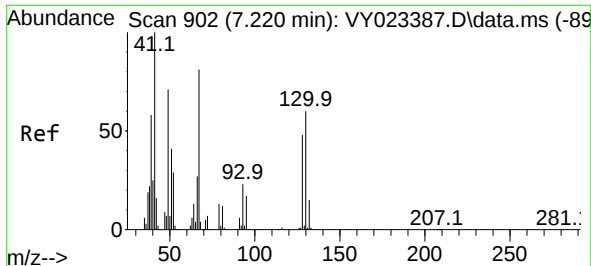
Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion: 78 Resp: 3366812

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5



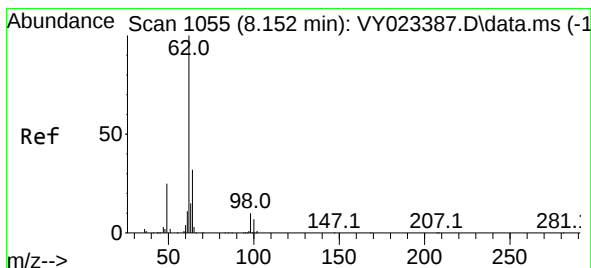
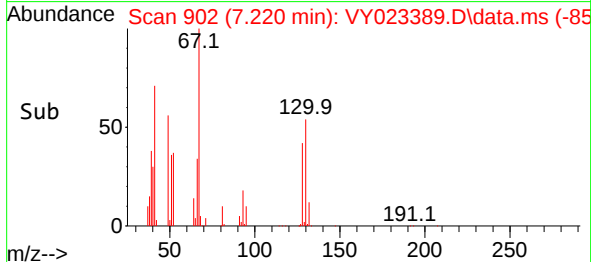
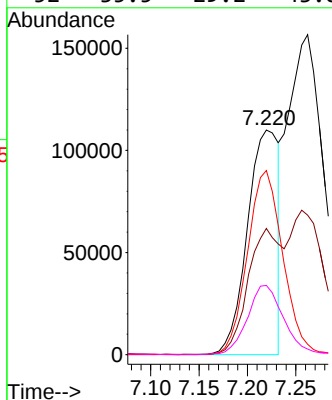
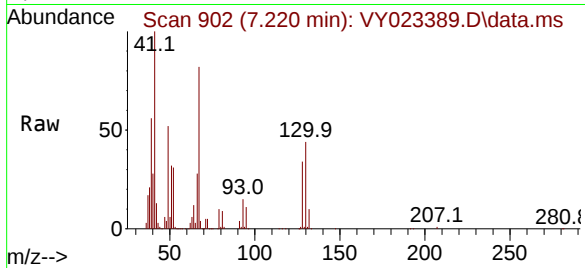


#41
Methacrylonitrile
Concen: 164.212 ug/l
RT: 7.220 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 246974

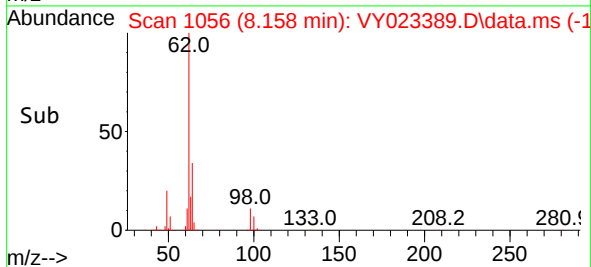
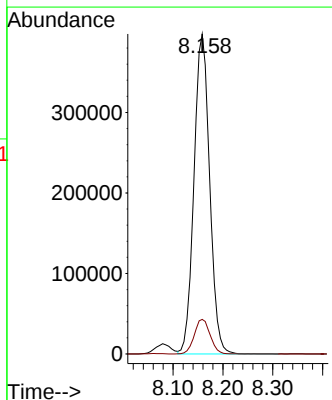
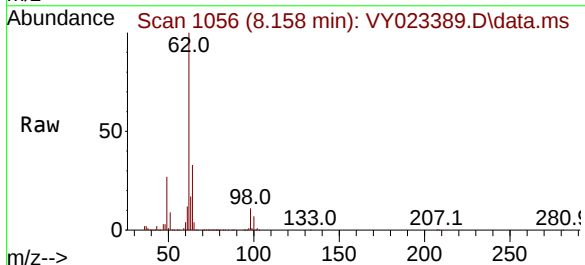
Ion	Ratio	Lower	Upper
41	100		
39	61.7	52.2	78.4
67	93.3	74.9	112.3
52	35.5	29.2	43.8

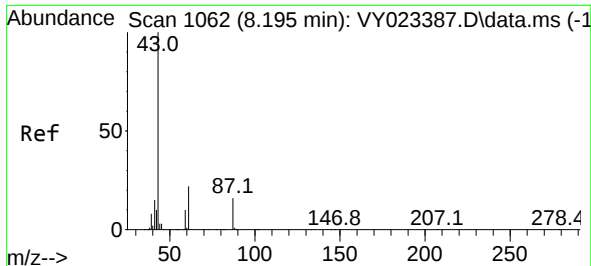


#42
1,2-Dichloroethane
Concen: 149.063 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 866250

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6

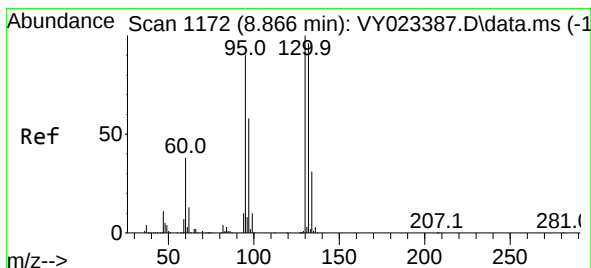
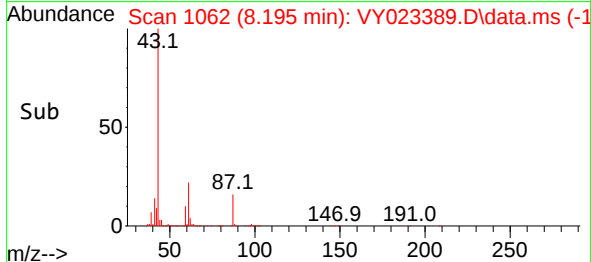
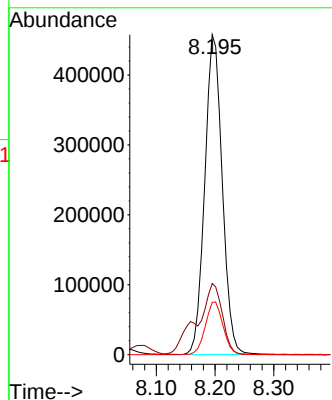
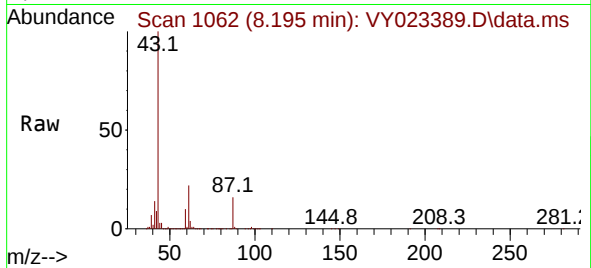




#43
Isopropyl Acetate
Concen: 167.955 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

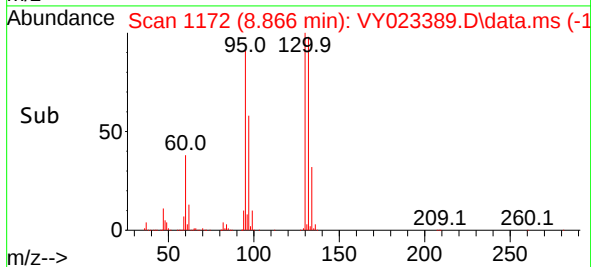
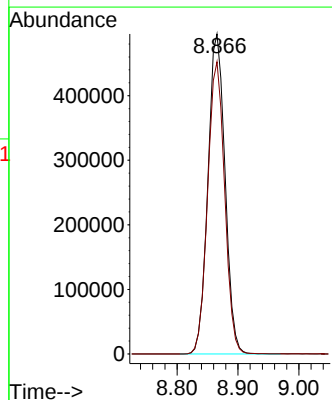
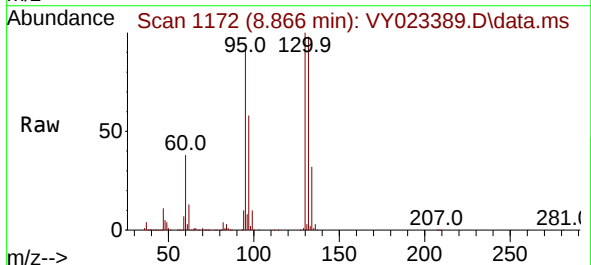
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

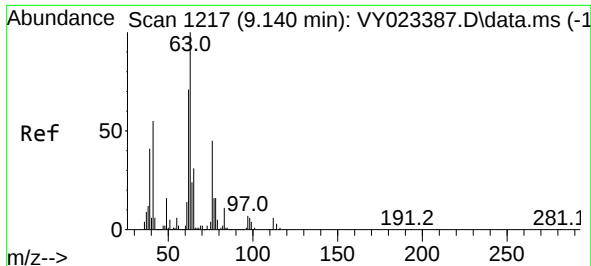
Tgt Ion: 43 Resp: 946087
Ion Ratio Lower Upper
43 100
61 22.6 18.1 27.1
87 16.7 13.5 20.3



#44
Trichloroethene
Concen: 150.740 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:130 Resp: 966011
Ion Ratio Lower Upper
130 100
95 91.3 0.0 180.6





#45

1,2-Dichloropropane

Concen: 146.403 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

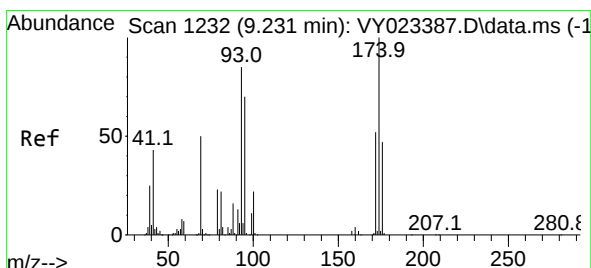
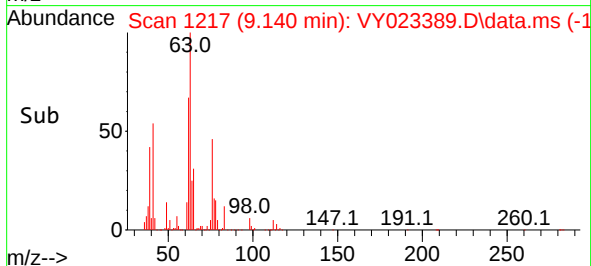
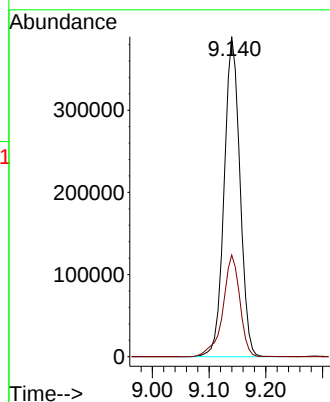
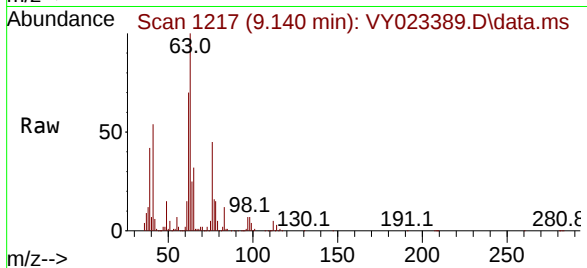
VSTDIC150

Tgt Ion: 63 Resp: 752286

Ion Ratio Lower Upper

63 100

65 31.7 24.9 37.3



#46

Dibromomethane

Concen: 153.895 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

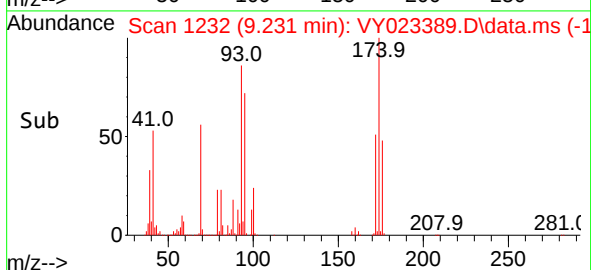
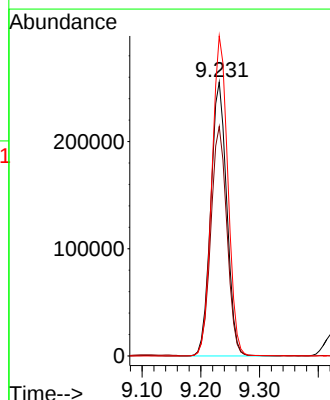
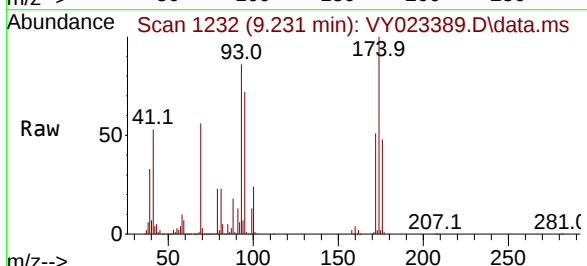
Tgt Ion: 93 Resp: 483702

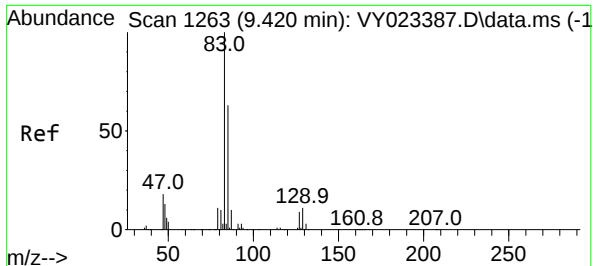
Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.0

174 116.7 92.9 139.3

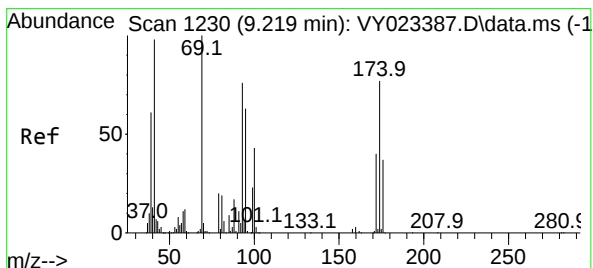
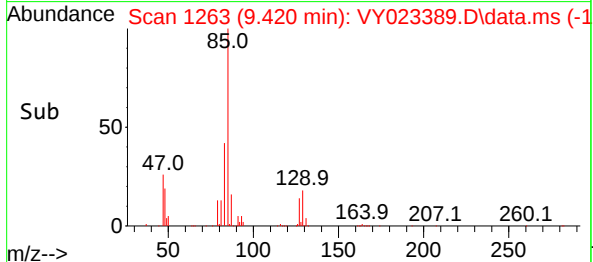
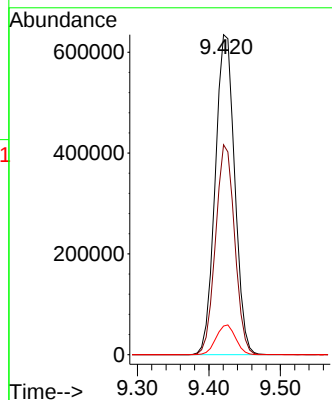
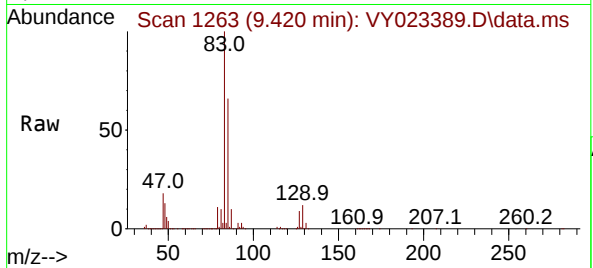




#47
Bromodichloromethane
Concen: 151.965 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

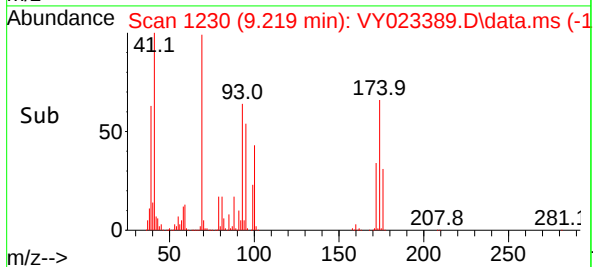
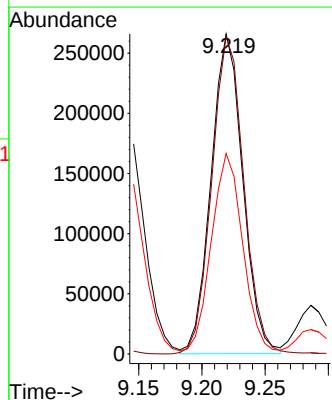
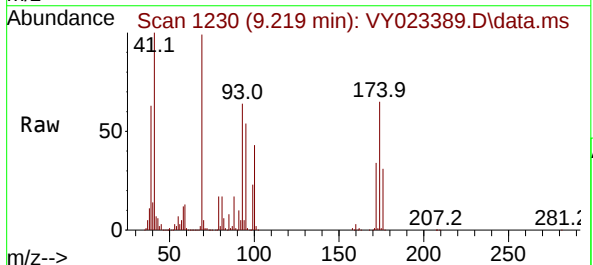
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

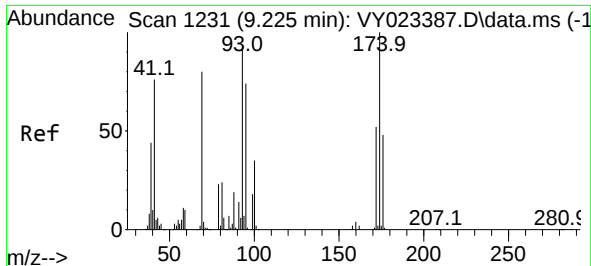
Tgt Ion: 83 Resp: 1202247
Ion Ratio Lower Upper
83 100
85 65.6 50.8 76.2
127 9.0 7.4 11.2



#48
Methyl methacrylate
Concen: 176.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 463614
Ion Ratio Lower Upper
41 100
69 100.4 81.0 121.4
39 60.3 48.2 72.4





#49

1,4-Dioxane

Concen: 3809.726 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

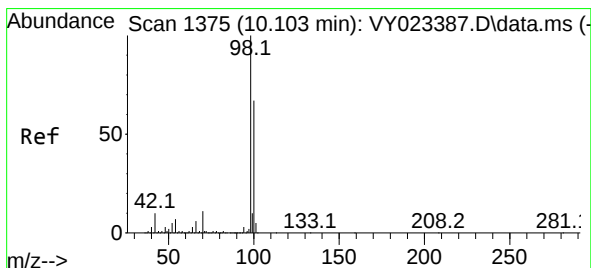
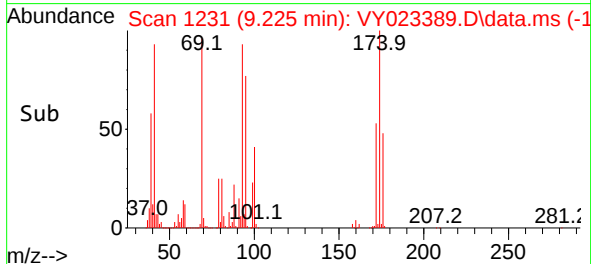
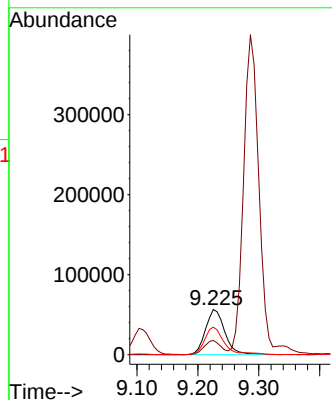
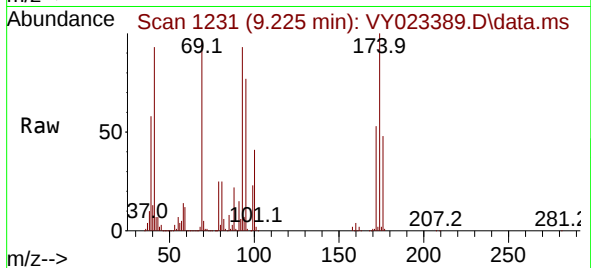
Tgt Ion: 88 Resp: 123991

Ion Ratio Lower Upper

88 100

43 27.5 21.8 32.8

58 62.1 46.8 70.2



#50

Toluene-d8

Concen: 148.741 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023389.D

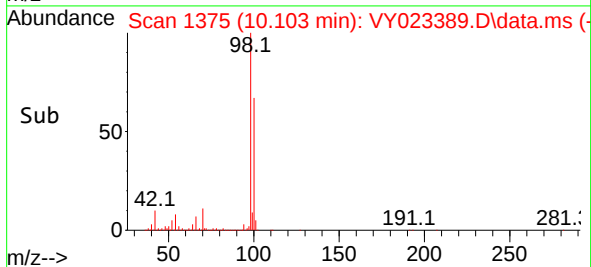
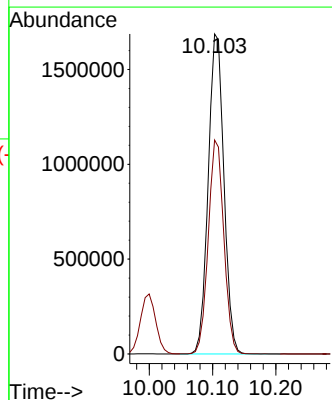
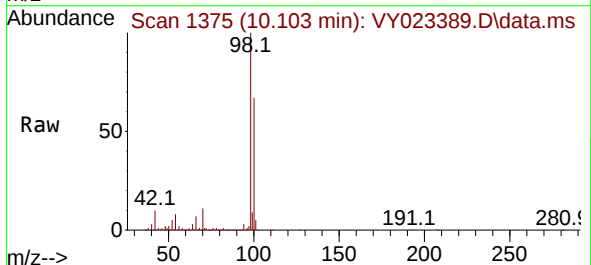
Acq: 07 Oct 2025 12:32

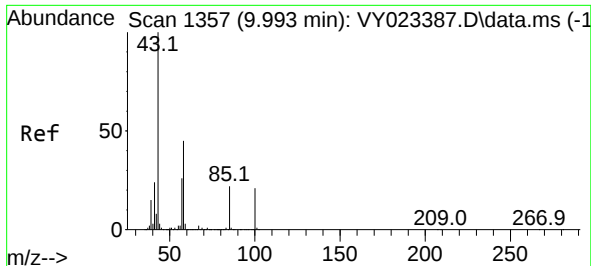
Tgt Ion: 98 Resp: 2912319

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 872.045 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

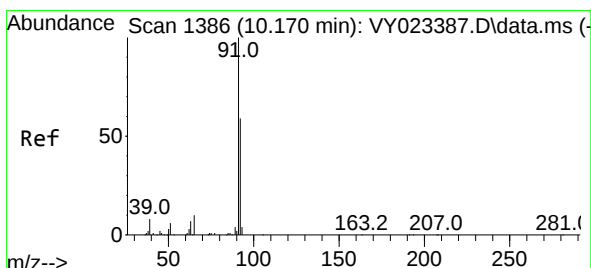
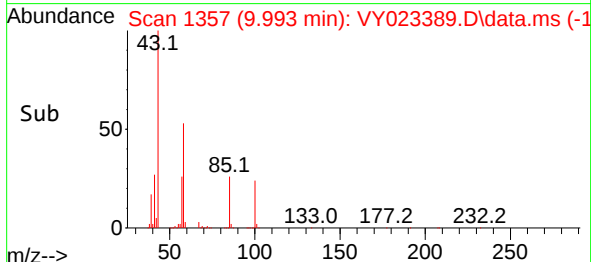
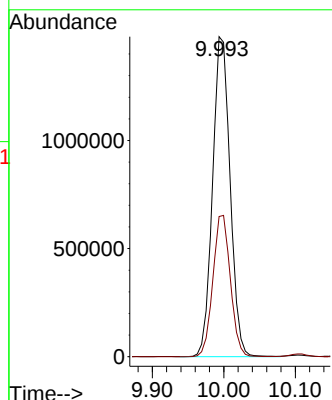
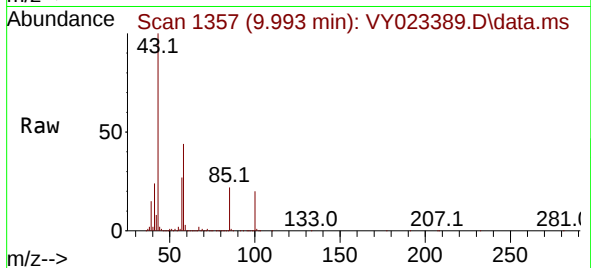
VSTDIC150

Tgt Ion: 43 Resp: 2516107

Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9



#52

Toluene

Concen: 156.786 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023389.D

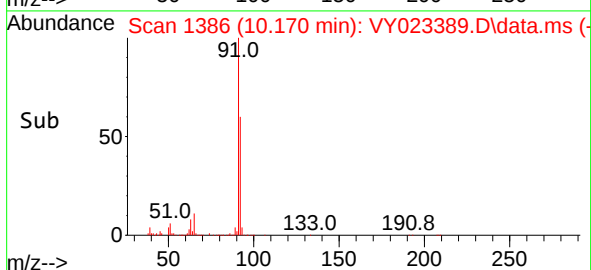
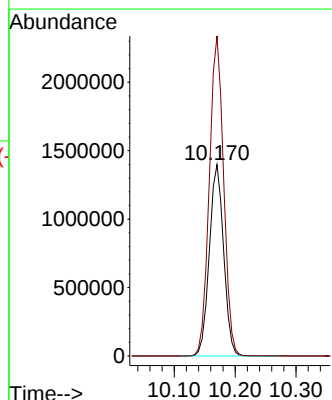
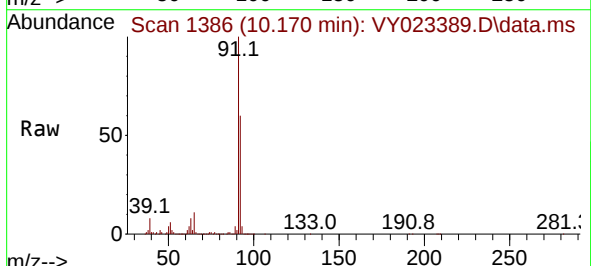
Acq: 07 Oct 2025 12:32

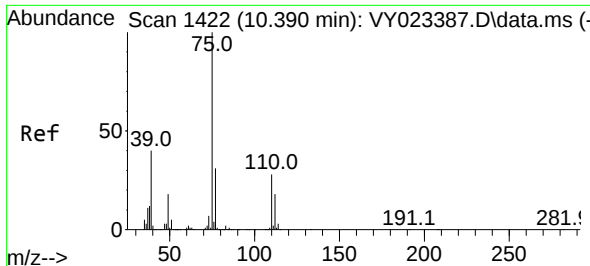
Tgt Ion: 92 Resp: 2272574

Ion Ratio Lower Upper

92 100

91 168.3 136.4 204.6

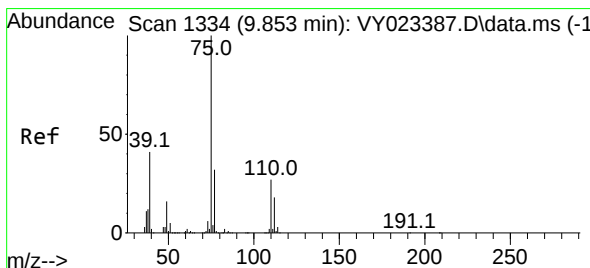
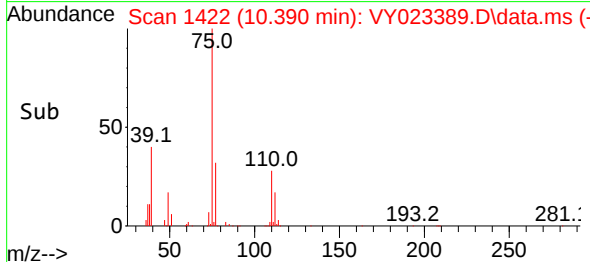
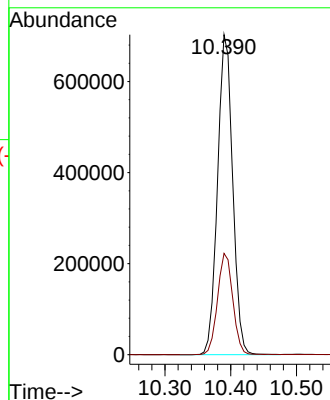
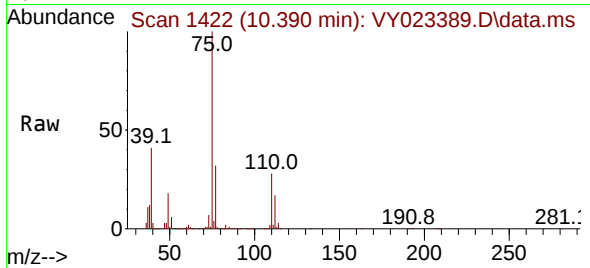




#53
 t-1,3-Dichloropropene
 Concen: 165.367 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

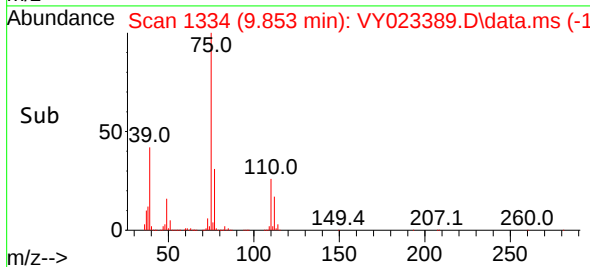
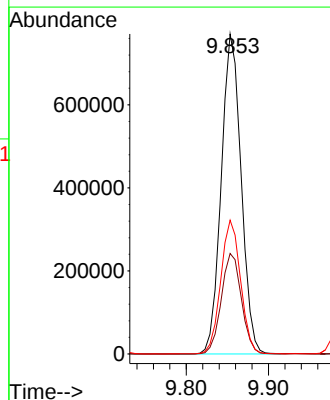
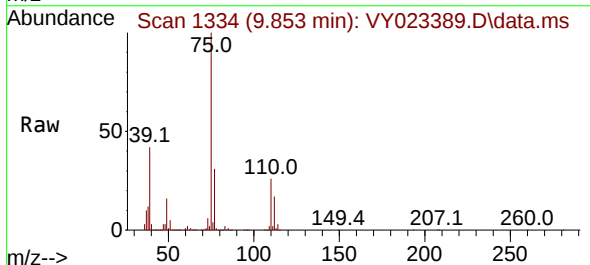
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tgt Ion: 75 Resp: 1123644
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 159.654 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1296713
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 41.7 32.8 49.2



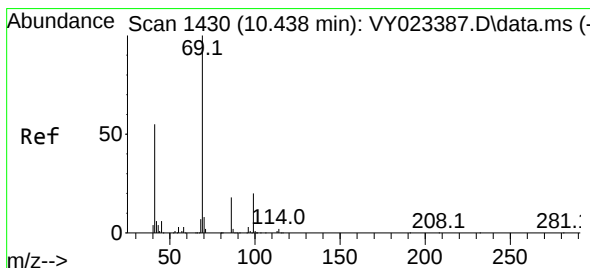
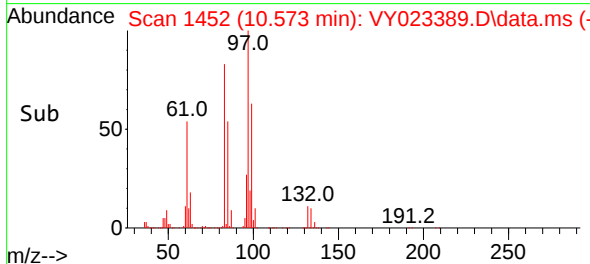
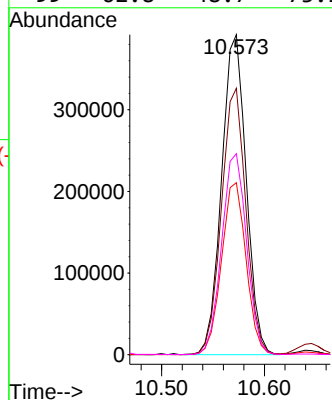
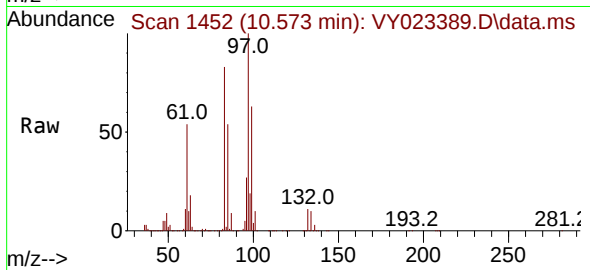


#55
1,1,2-Trichloroethane
Concen: 156.020 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 97 Resp: 652242

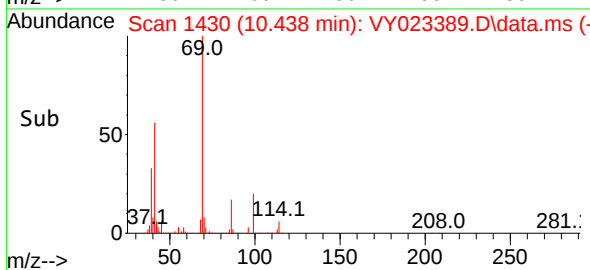
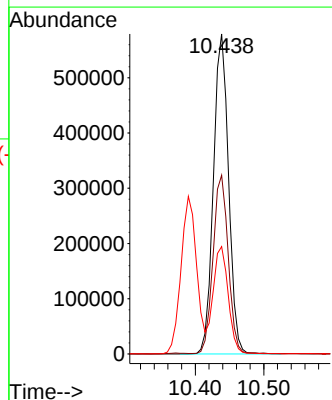
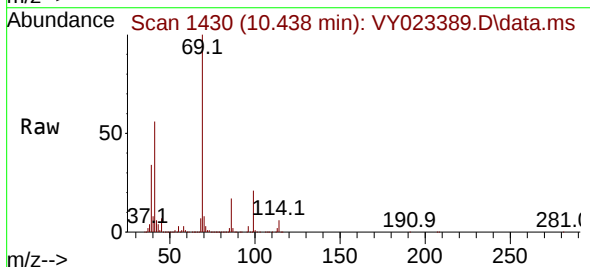
Ion	Ratio	Lower	Upper
97	100		
83	83.2	61.8	92.6
85	53.7	41.3	61.9
99	62.8	48.7	73.1

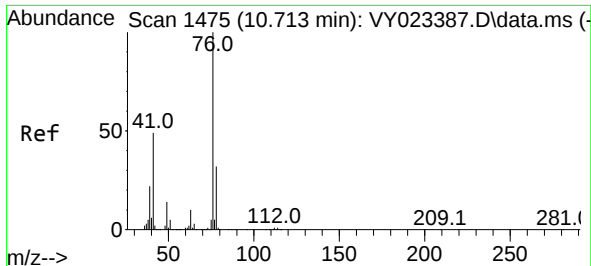


#56
Ethyl methacrylate
Concen: 184.048 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 69 Resp: 886127

Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.6	67.0
39	33.6	27.0	40.4





#57

1,3-Dichloropropane

Concen: 155.122 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

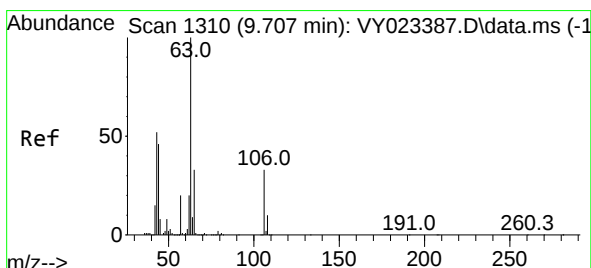
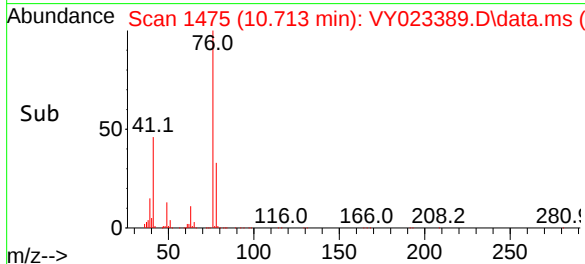
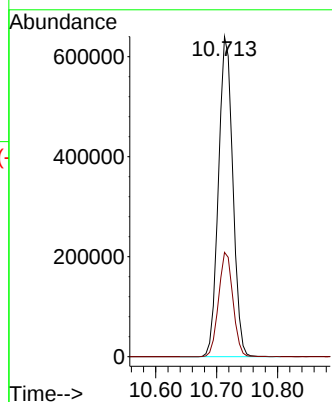
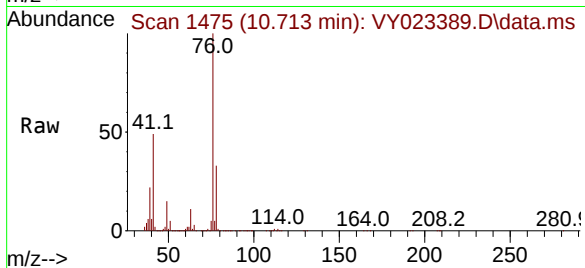
VSTDIC150

Tgt Ion: 76 Resp: 1049593

Ion Ratio Lower Upper

76 100

78 32.6 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 968.559 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023389.D

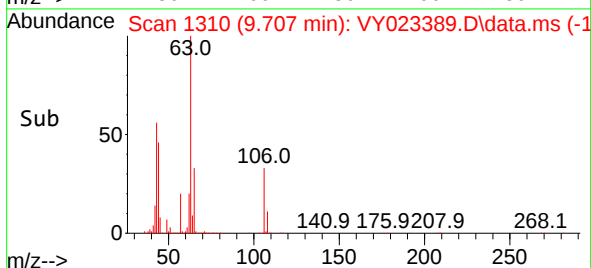
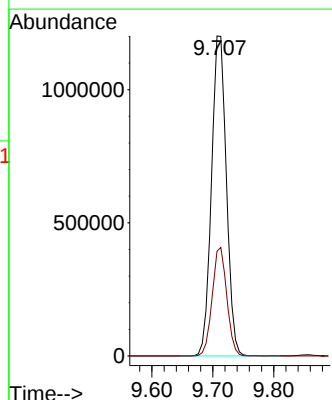
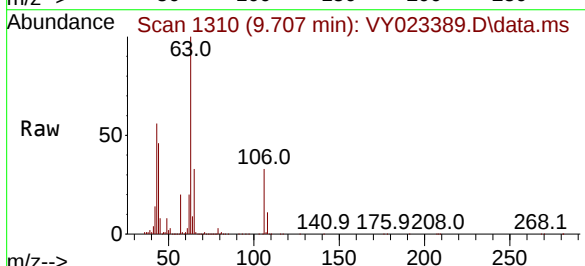
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 2040136

Ion Ratio Lower Upper

63 100

106 33.2 26.6 39.8

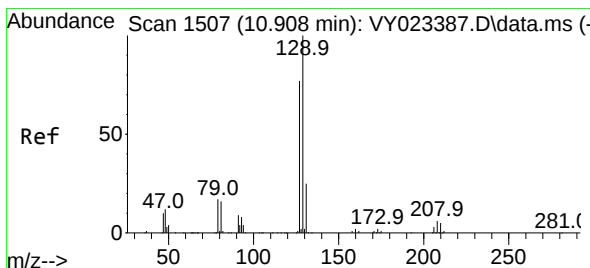
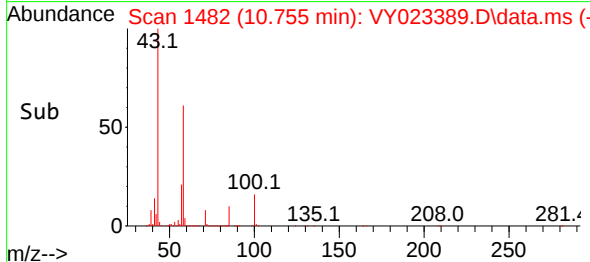
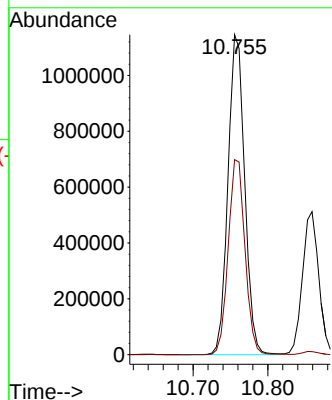
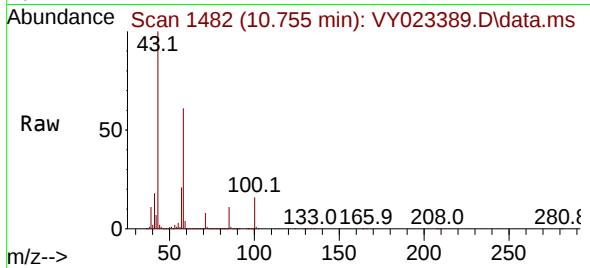




#59
2-Hexanone
Concen: 889.038 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

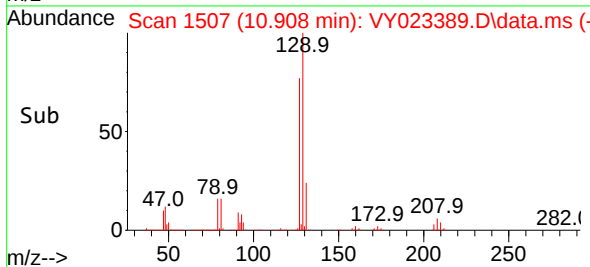
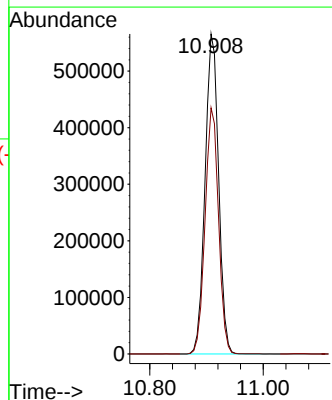
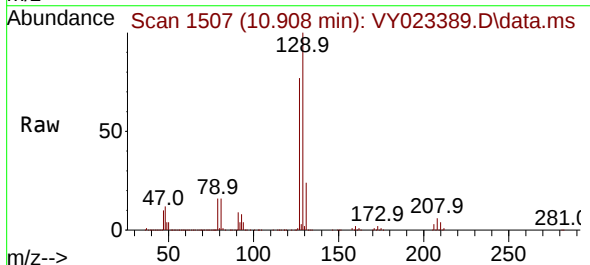
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

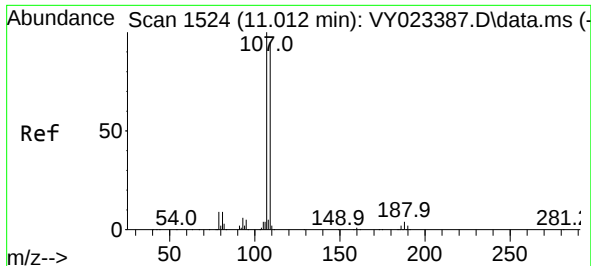
Tgt Ion: 43 Resp: 1776032
Ion Ratio Lower Upper
43 100
58 61.4 30.5 91.5



#60
Dibromochloromethane
Concen: 164.084 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 129 Resp: 935577
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7

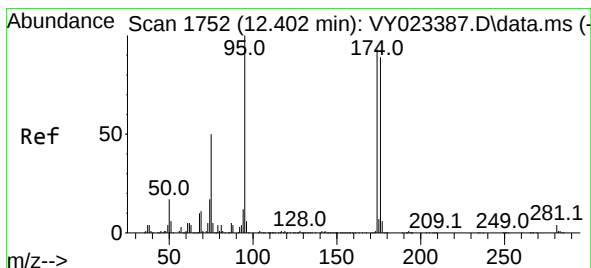
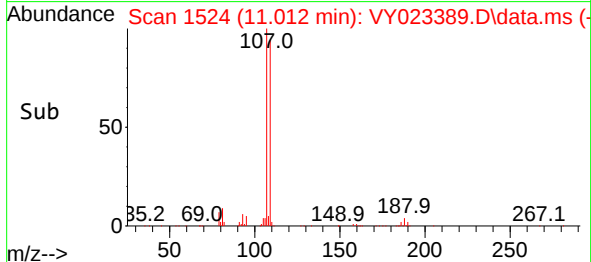
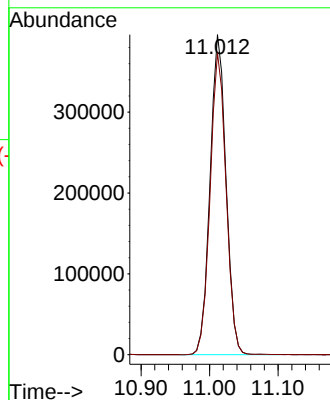
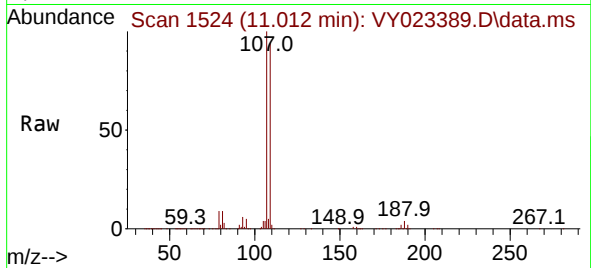




#61
1,2-Dibromoethane
Concen: 162.699 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

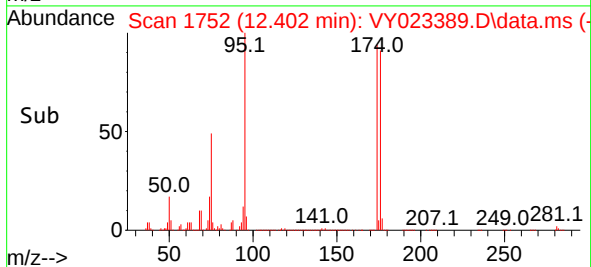
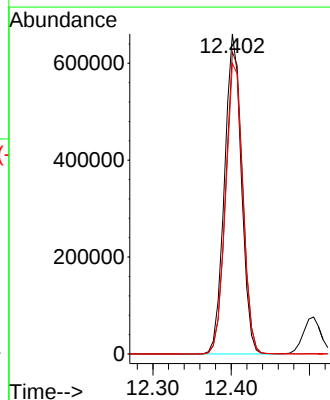
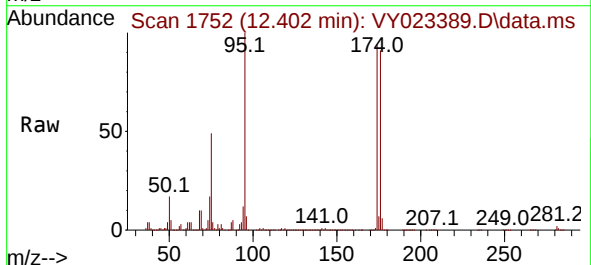
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

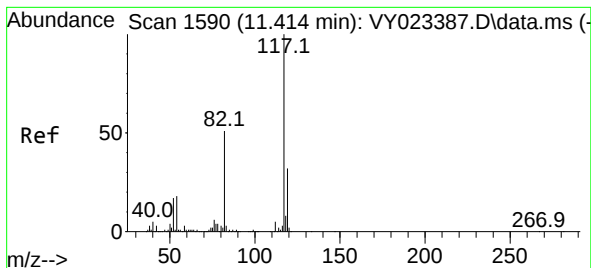
Tgt Ion:107 Resp: 639895
Ion Ratio Lower Upper
107 100
109 94.4 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 160.423 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 95 Resp: 990964
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.8 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: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

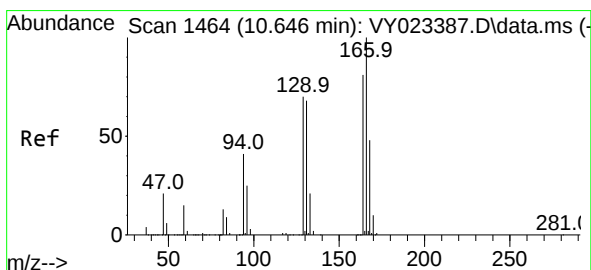
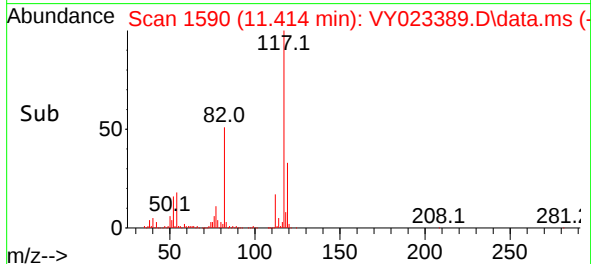
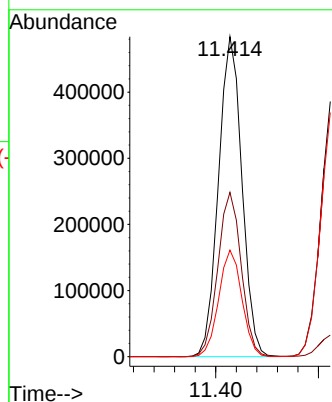
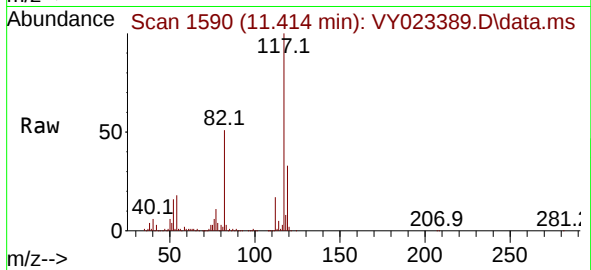
Tgt Ion:117 Resp: 765357

Ion Ratio Lower Upper

117 100

82 51.3 41.0 61.4

119 33.3 25.6 38.4



#64

Tetrachloroethene

Concen: 136.739 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion:164 Resp: 1046931

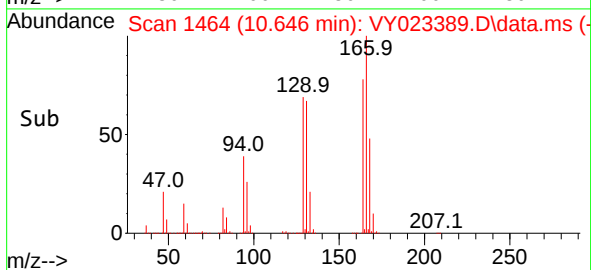
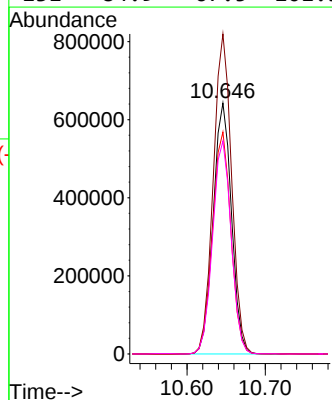
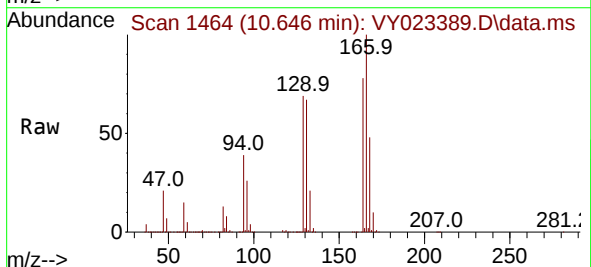
Ion Ratio Lower Upper

164 100

166 127.5 99.4 149.0

129 88.4 69.4 104.2

131 84.9 67.5 101.3

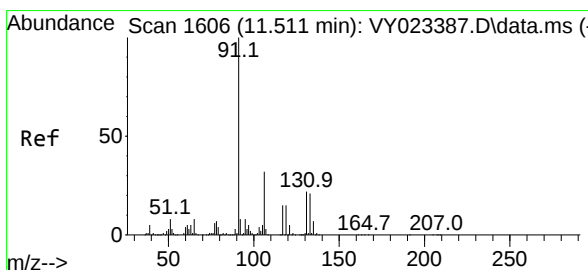
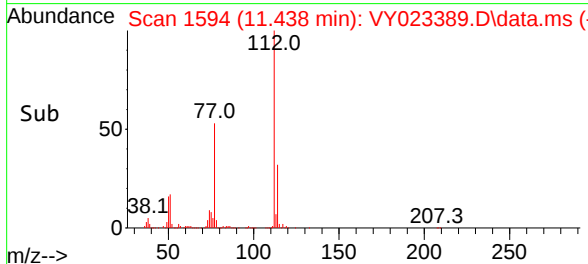
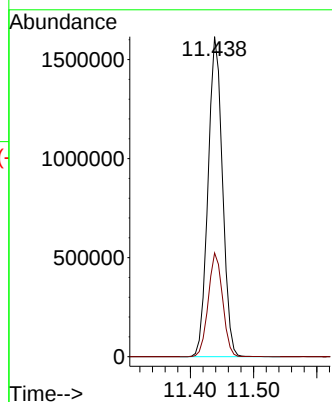
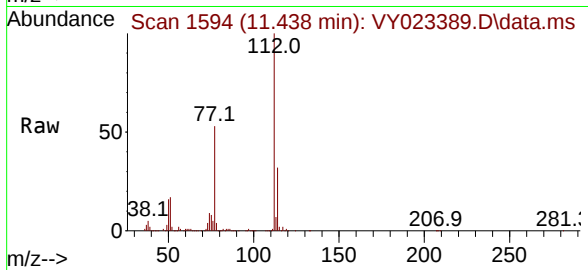




#65
Chlorobenzene
Concen: 154.117 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

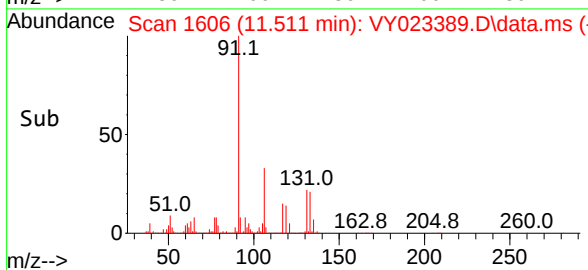
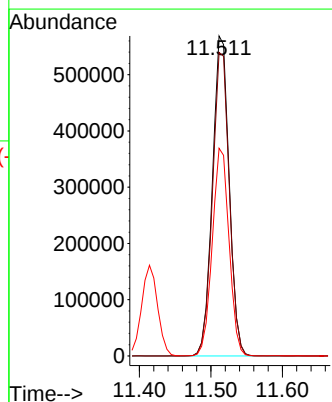
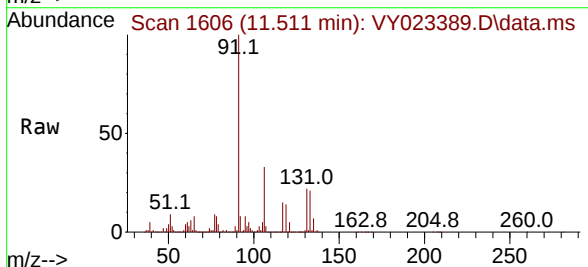
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 2563176
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 157.870 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:131 Resp: 923367
Ion Ratio Lower Upper
131 100
133 95.4 48.4 145.2
119 65.2 32.4 97.2





#67

Ethyl Benzene

Concen: 159.957 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

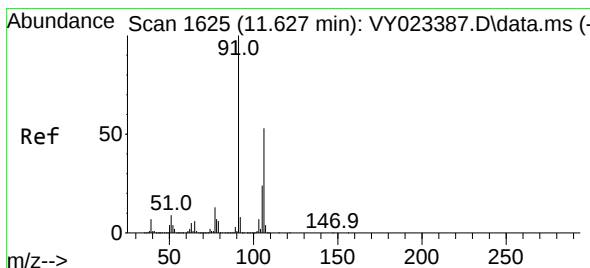
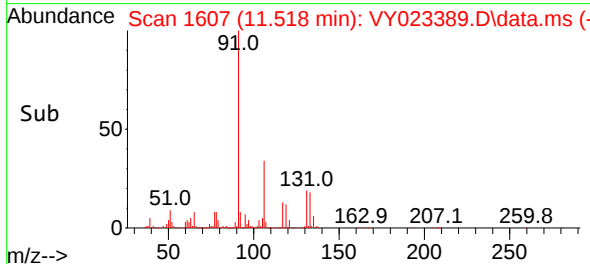
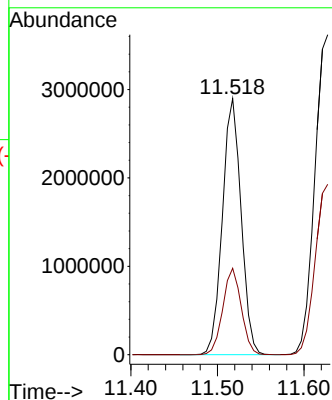
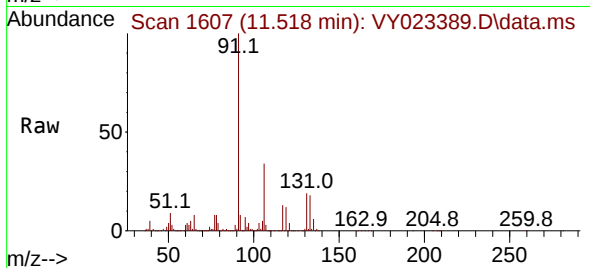
VSTDIC150

Tgt Ion: 91 Resp: 4341801

Ion Ratio Lower Upper

91 100

106 33.8 25.8 38.8



#68

m/p-Xylenes

Concen: 321.899 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023389.D

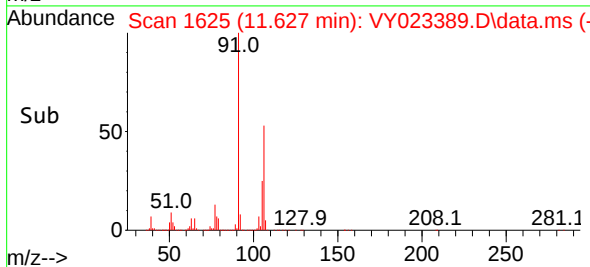
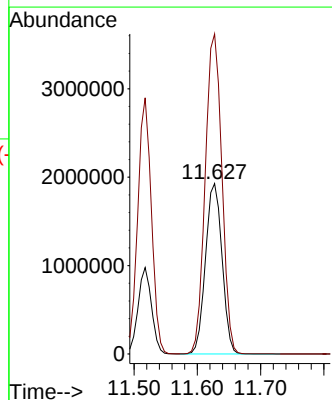
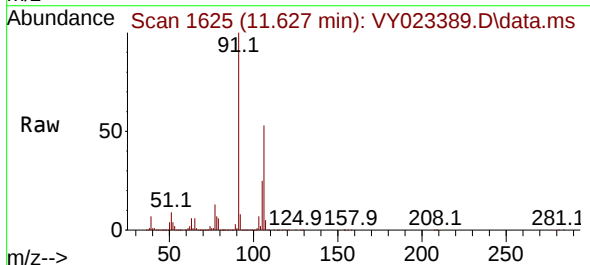
Acq: 07 Oct 2025 12:32

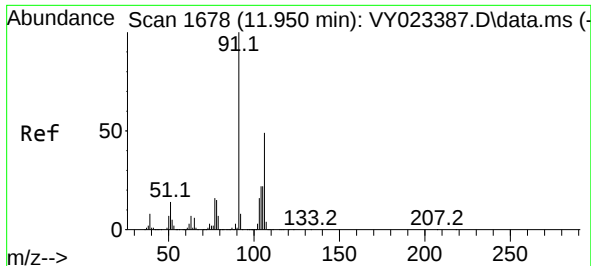
Tgt Ion:106 Resp: 3502137

Ion Ratio Lower Upper

106 100

91 189.2 152.6 229.0

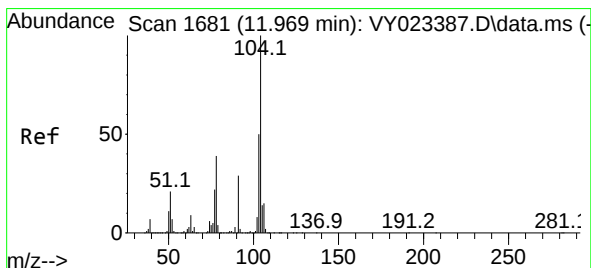
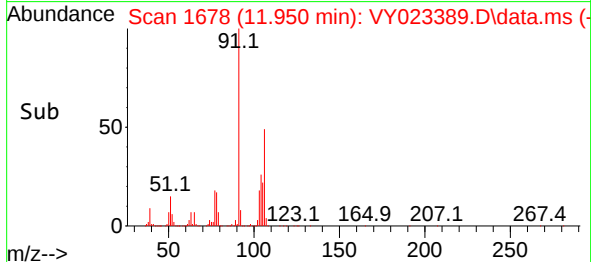
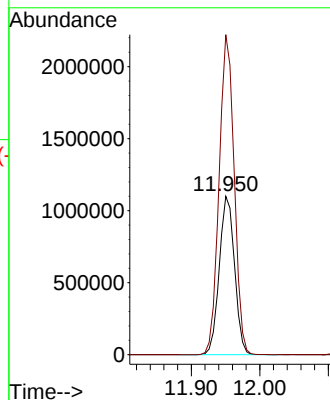
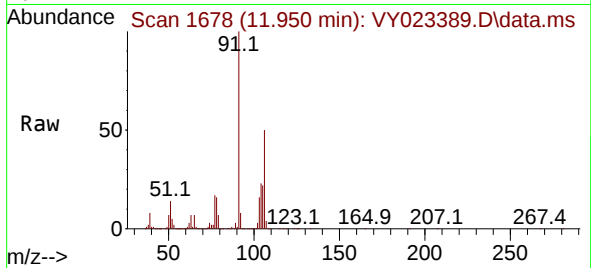




#69
o-Xylene
Concen: 168.295 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

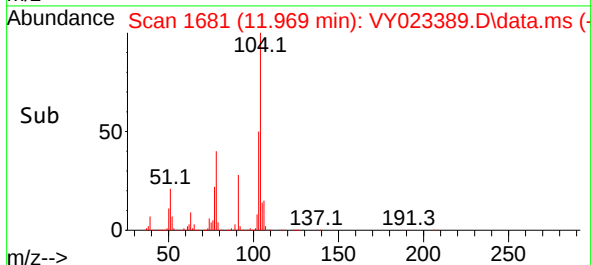
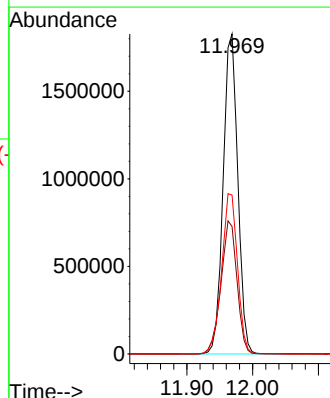
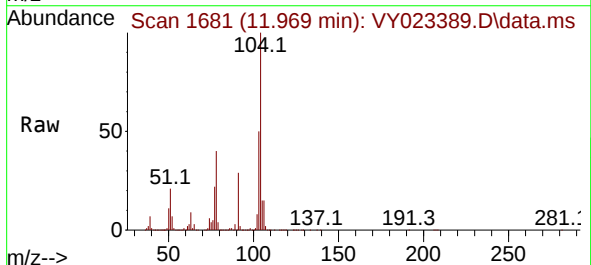
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

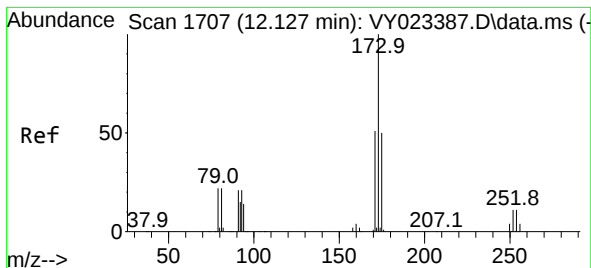
Tgt Ion:106 Resp: 1694987
Ion Ratio Lower Upper
106 100
91 200.0 101.4 304.1



#70
Styrene
Concen: 170.203 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:104 Resp: 2830398
Ion Ratio Lower Upper
104 100
78 45.5 36.1 54.1
103 54.3 43.2 64.8





#71

Bromoform

Concen: 172.115 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

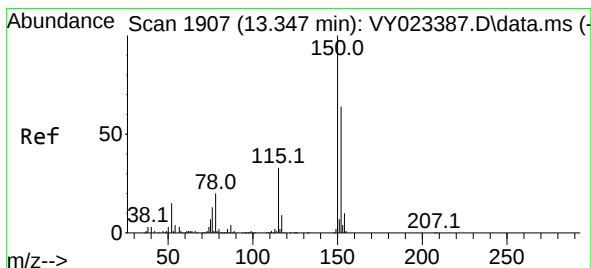
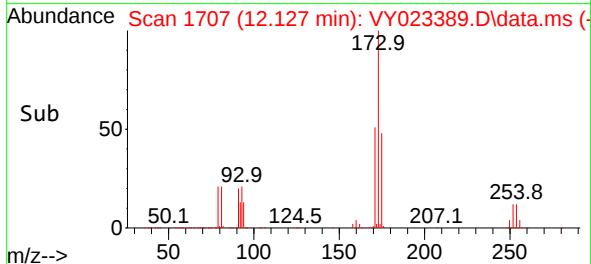
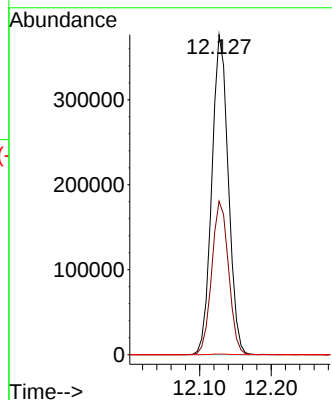
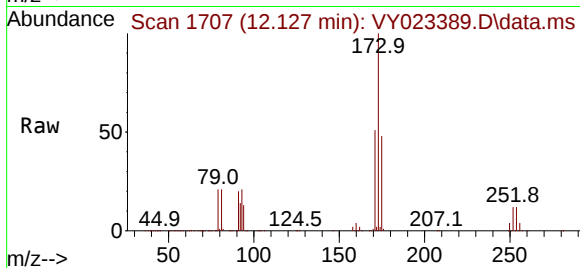
Tgt Ion:173 Resp: 602644

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

254 0.2 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: VY023389.D

Acq: 07 Oct 2025 12:32

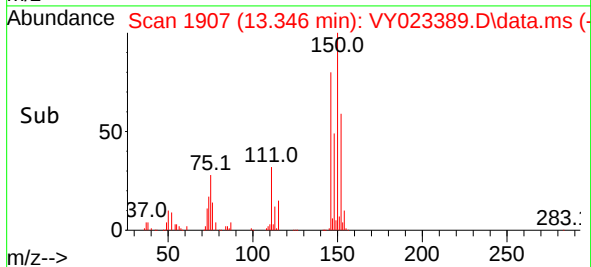
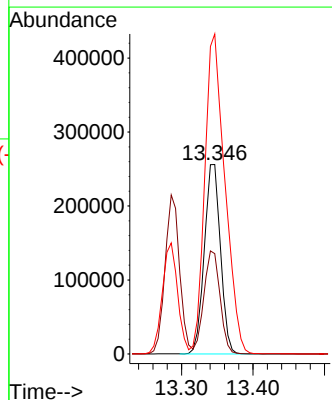
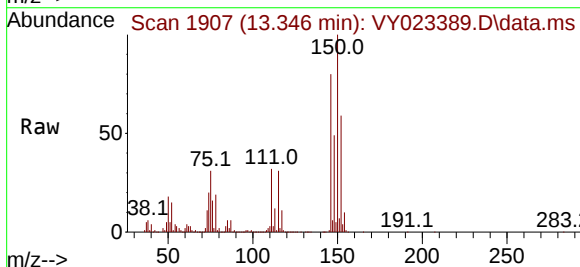
Tgt Ion:152 Resp: 402368

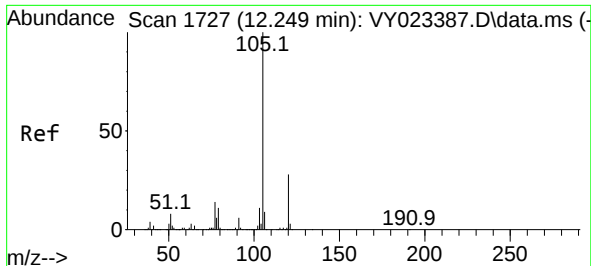
Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

150 210.4 0.0 347.4

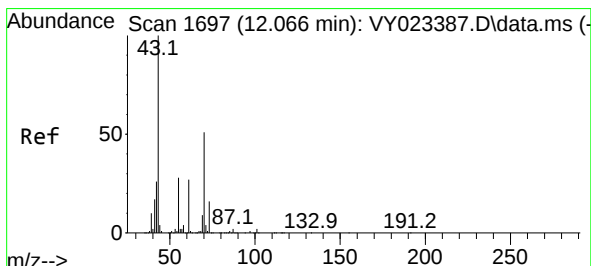
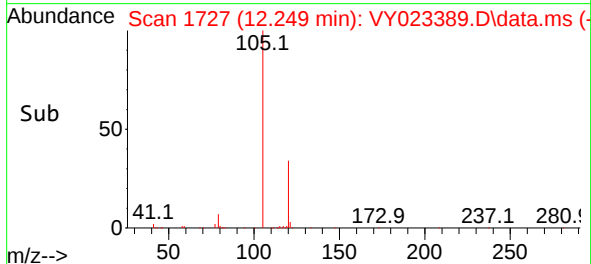
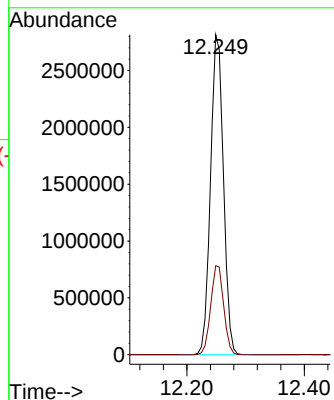
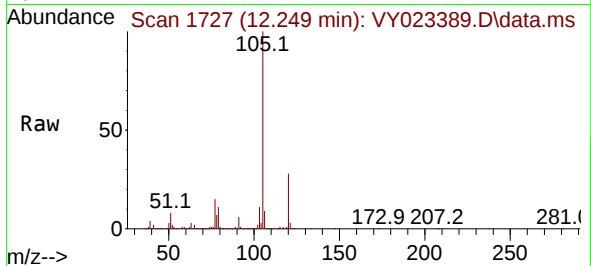




#73
Isopropylbenzene
Concen: 160.084 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

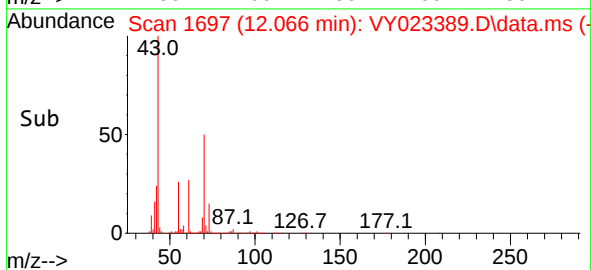
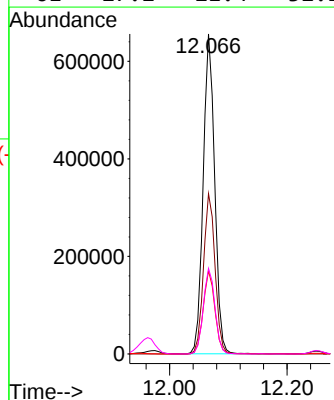
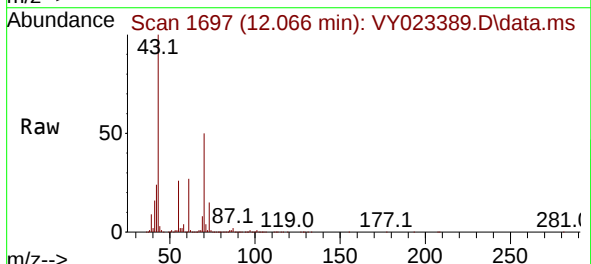
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

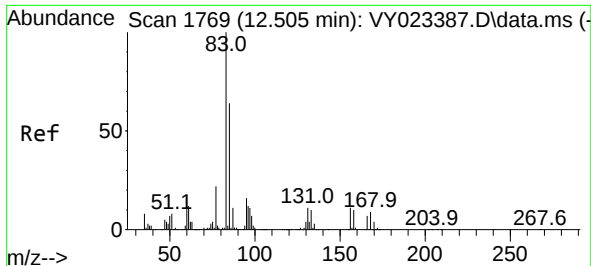
Tgt Ion:105 Resp: 4290662
Ion Ratio Lower Upper
105 100
120 27.9 13.9 41.7



#74
N-ethyl acetate
Concen: 177.866 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 890882
Ion Ratio Lower Upper
43 100
70 50.6 41.1 61.7
55 26.4 23.0 34.6
61 27.2 21.4 32.2

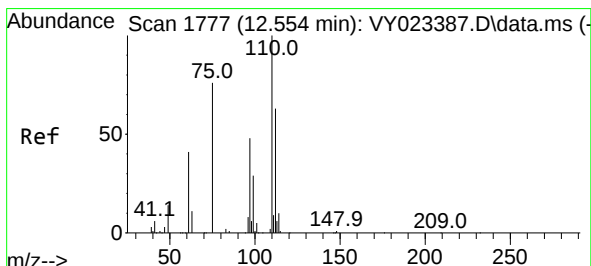
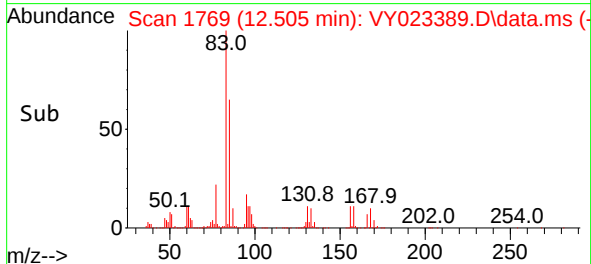
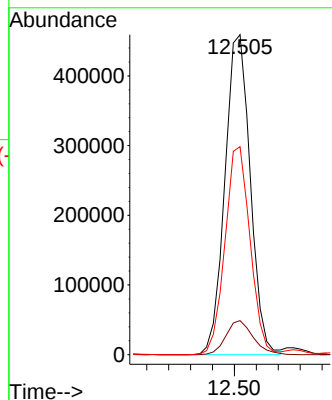
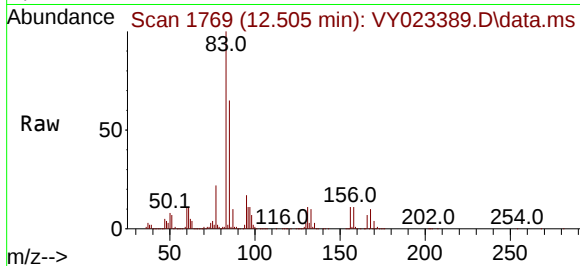




#75
1,1,2,2-Tetrachloroethane
Concen: 165.010 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

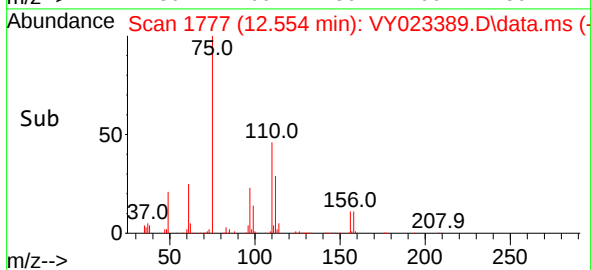
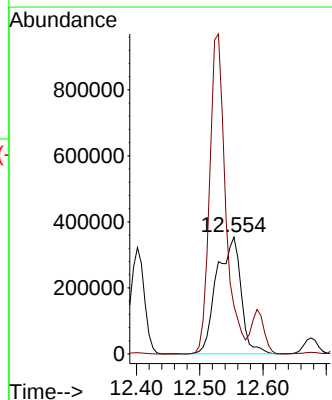
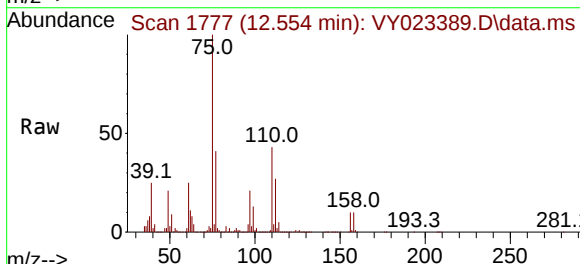
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

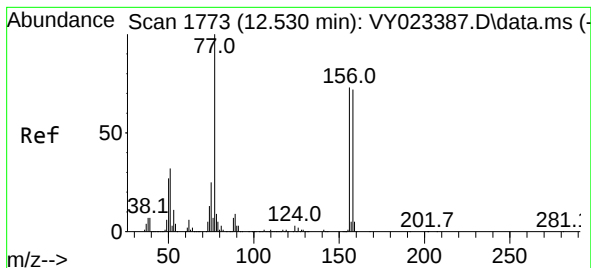
Tgt Ion: 83 Resp: 737773
Ion Ratio Lower Upper
83 100
131 11.4 5.9 17.6
85 64.4 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 236.912 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 940308
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 161.555 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

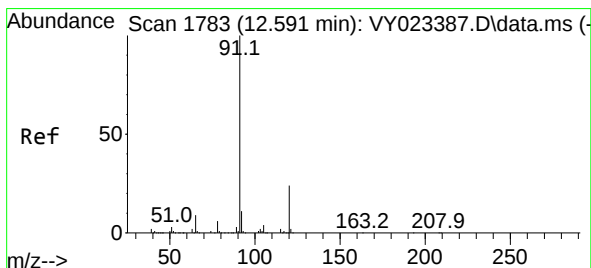
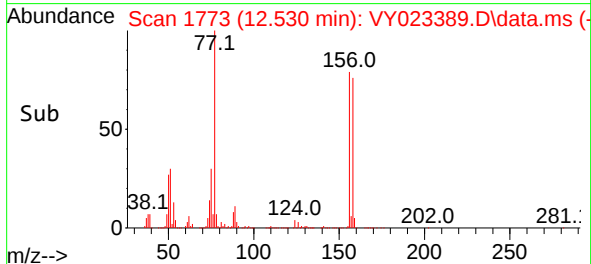
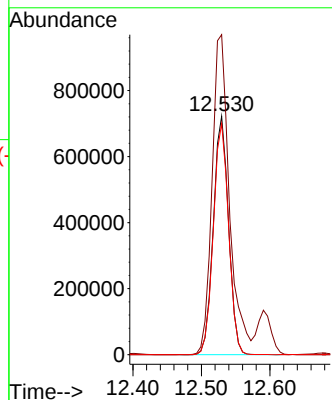
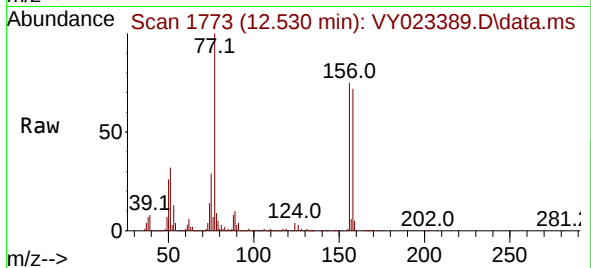
Tgt Ion:156 Resp: 1111318

Ion Ratio Lower Upper

156 100

77 153.9 76.8 230.5

158 97.4 49.0 147.2



#78

n-propylbenzene

Concen: 156.465 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.000 min

Lab File: VY023389.D

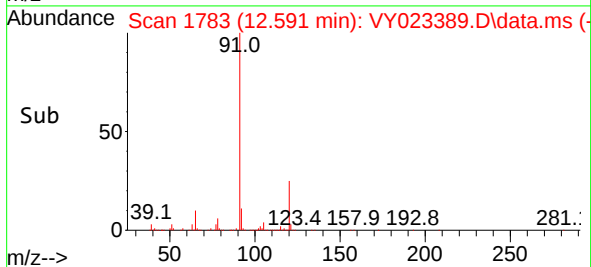
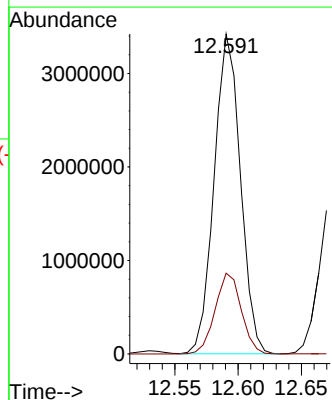
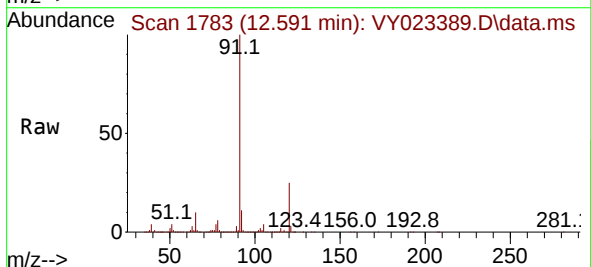
Acq: 07 Oct 2025 12:32

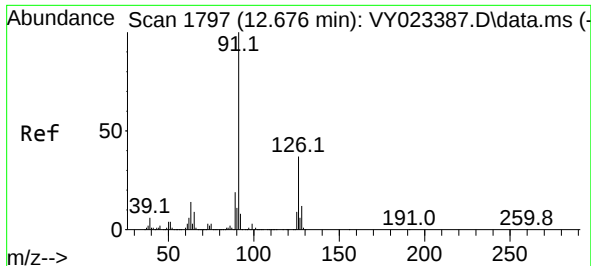
Tgt Ion: 91 Resp: 4932015

Ion Ratio Lower Upper

91 100

120 25.1 12.3 36.8

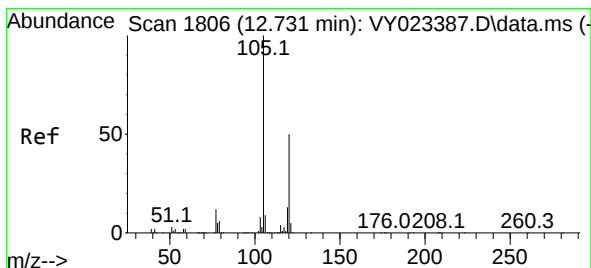
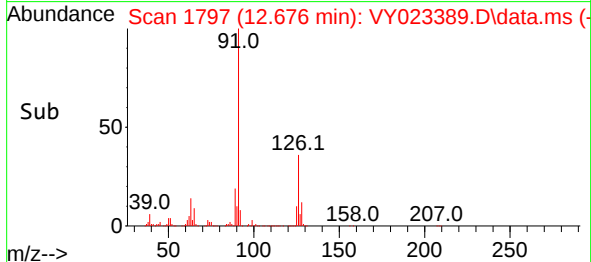
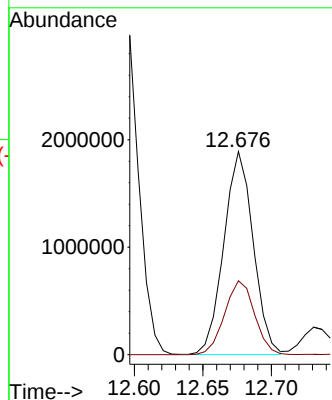
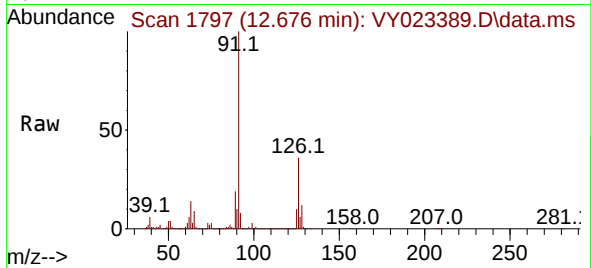




#79
2-Chlorotoluene
Concen: 155.063 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

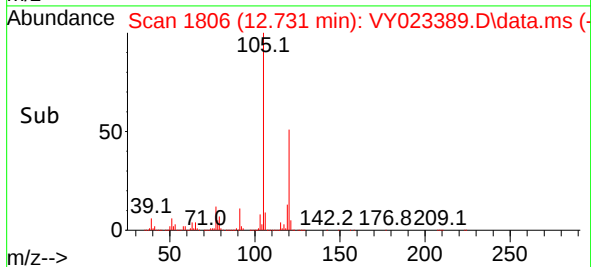
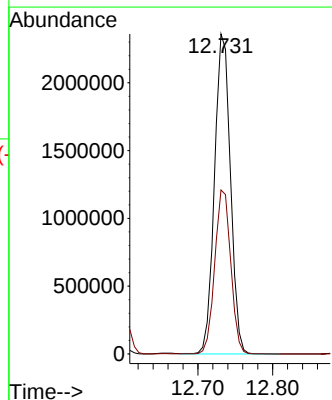
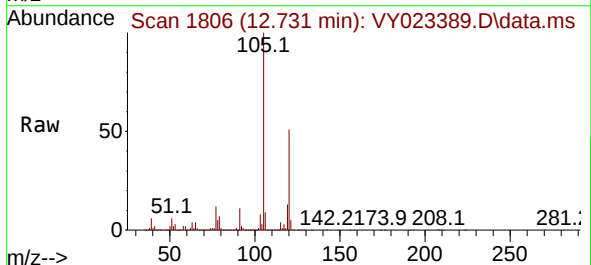
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

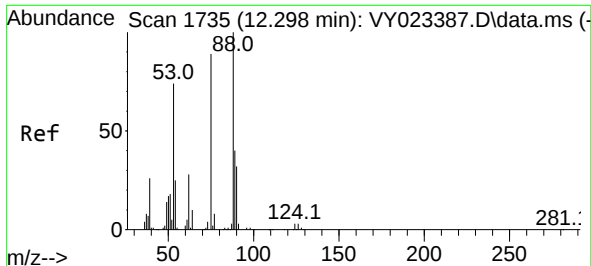
Tgt Ion: 91 Resp: 2822049
Ion Ratio Lower Upper
91 100
126 37.1 18.5 55.5



#80
1,3,5-Trimethylbenzene
Concen: 160.460 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 105 Resp: 3496249
Ion Ratio Lower Upper
105 100
120 51.4 25.4 76.4

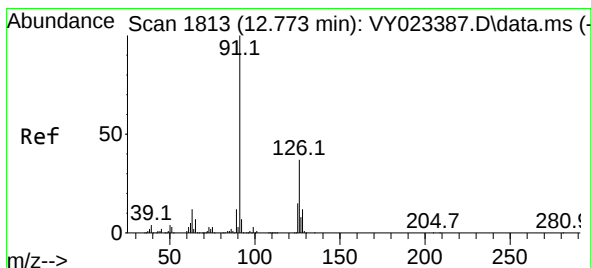
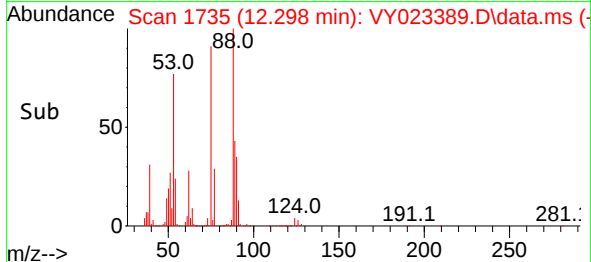
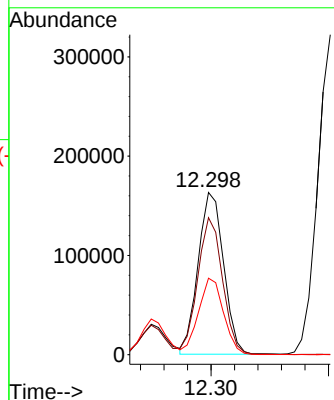
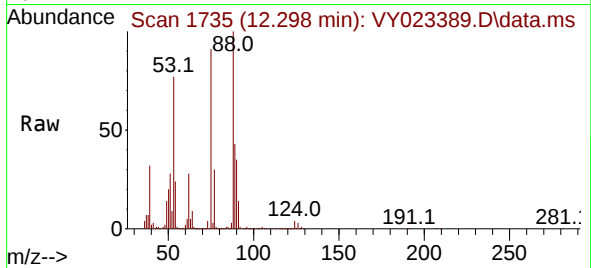




#81
trans-1,4-Dichloro-2-butene
Concen: 166.570 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

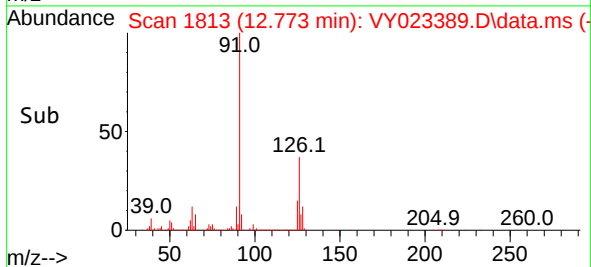
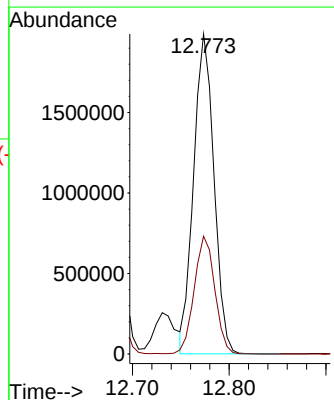
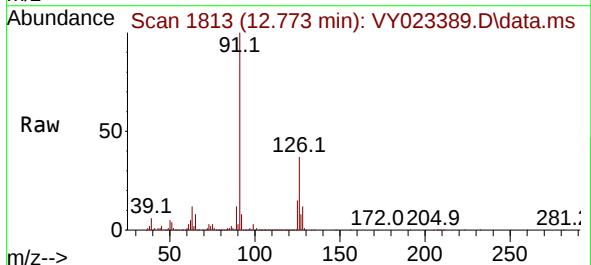
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

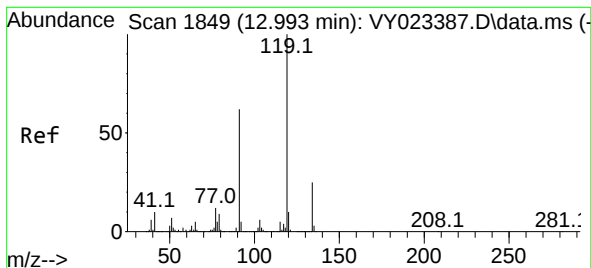
Tgt Ion: 75 Resp: 245190
Ion Ratio Lower Upper
75 100
53 83.6 68.6 102.8
89 46.8 39.0 58.4



#82
4-Chlorotoluene
Concen: 152.701 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 2902371
Ion Ratio Lower Upper
91 100
126 37.3 18.4 55.4





#83

tert-Butylbenzene

Concen: 162.197 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

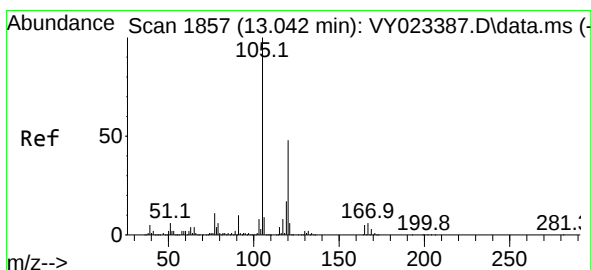
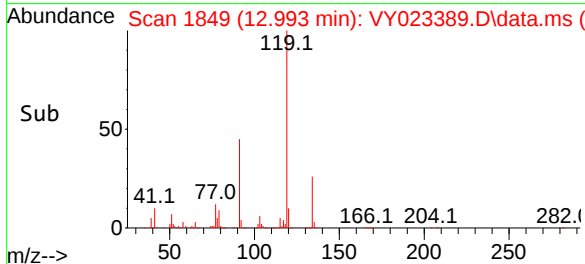
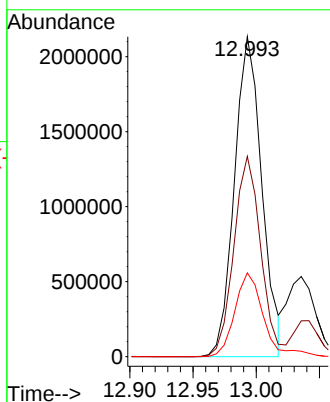
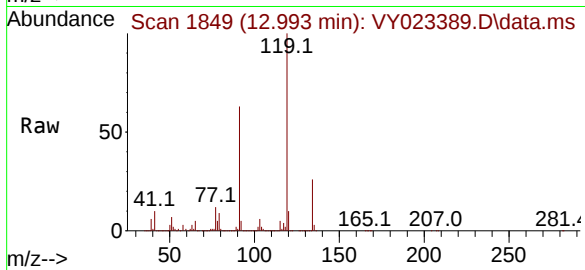
Tgt Ion:119 Resp: 3220384

Ion Ratio Lower Upper

119 100

91 61.6 29.9 89.8

134 27.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 162.527 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023389.D

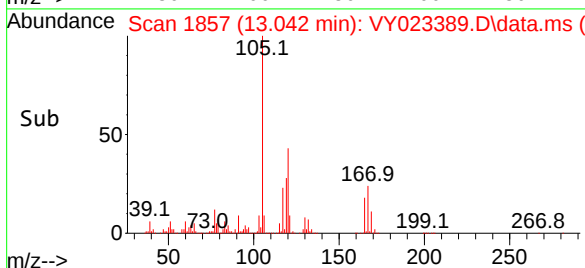
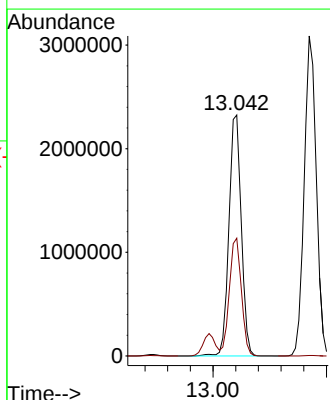
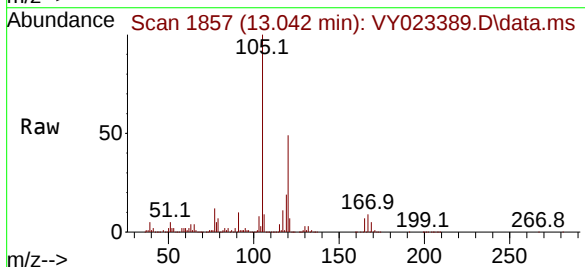
Acq: 07 Oct 2025 12:32

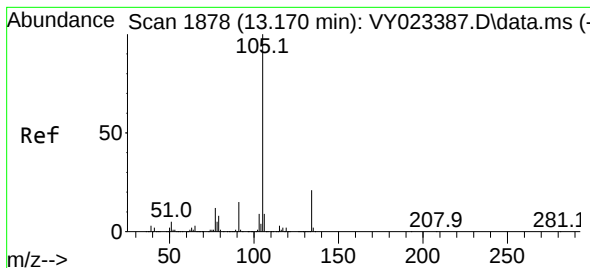
Tgt Ion:105 Resp: 3503639

Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.2





#85

sec-Butylbenzene

Concen: 158.609 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

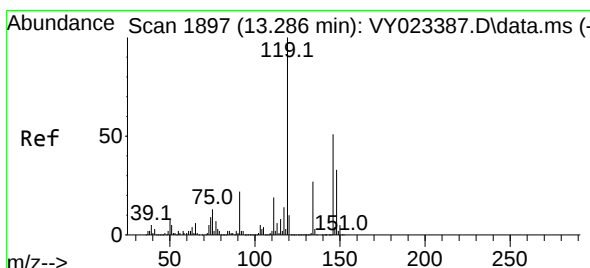
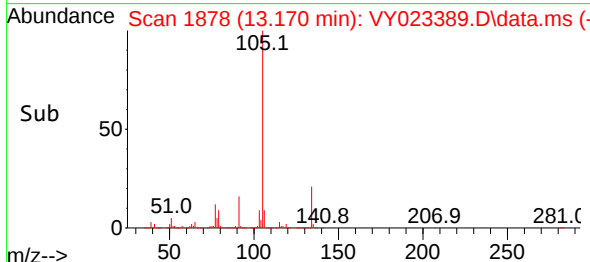
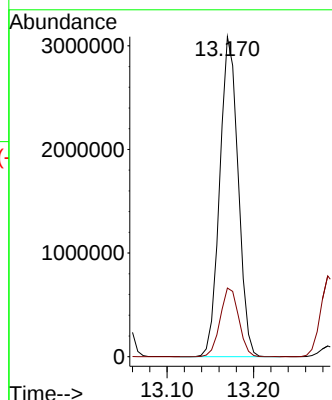
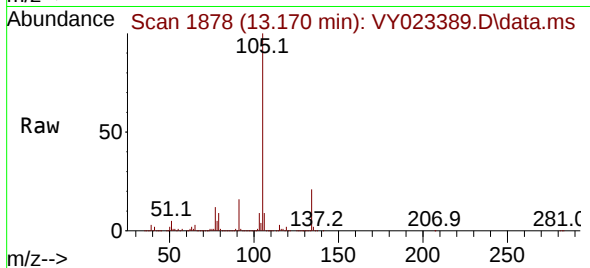
VSTDIC150

Tgt Ion:105 Resp: 4560715

Ion Ratio Lower Upper

105 100

134 21.6 10.7 32.1



#86

p-Isopropyltoluene

Concen: 165.622 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

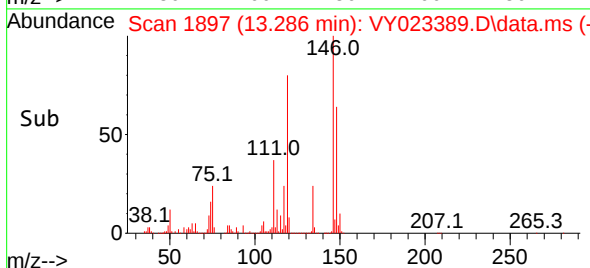
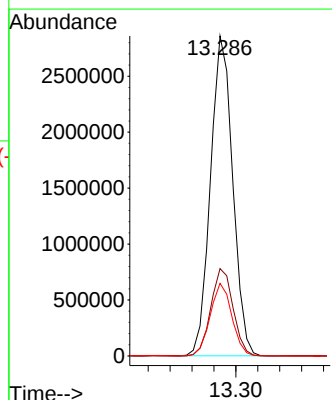
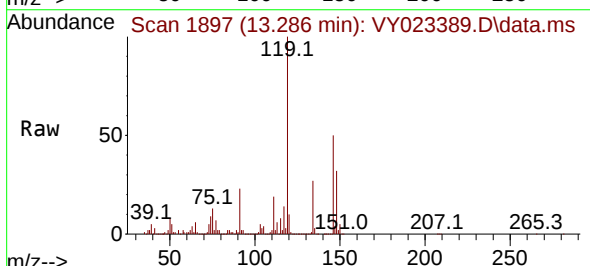
Tgt Ion:119 Resp: 4024712

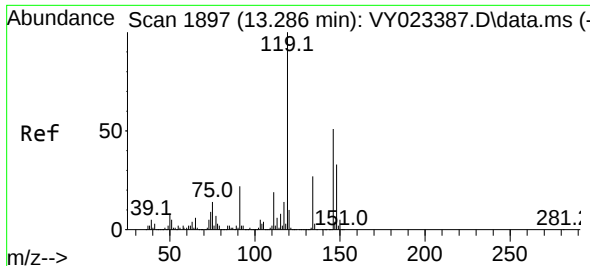
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 22.1 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 159.350 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

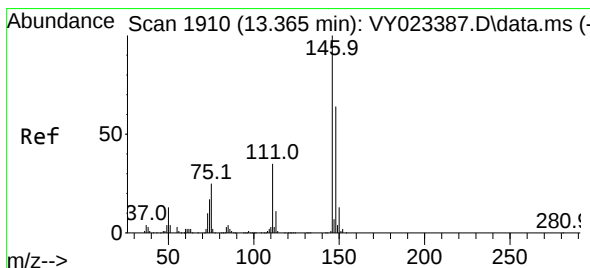
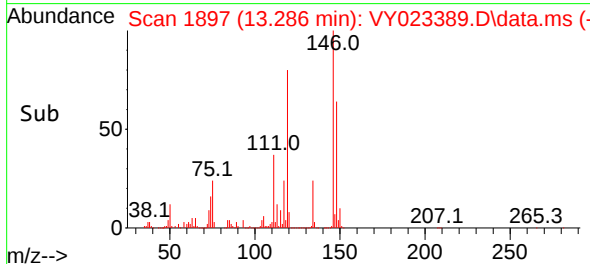
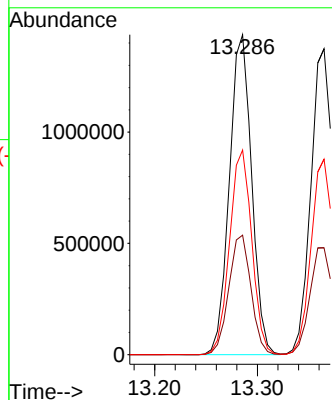
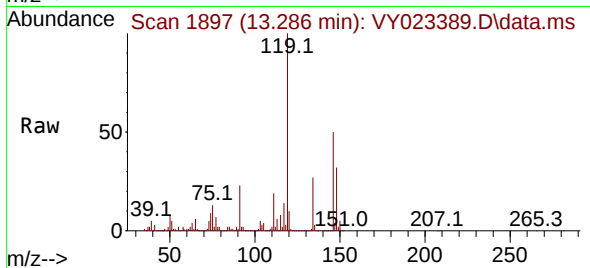
Tgt Ion:146 Resp: 2165278

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

148 64.0 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 155.104 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

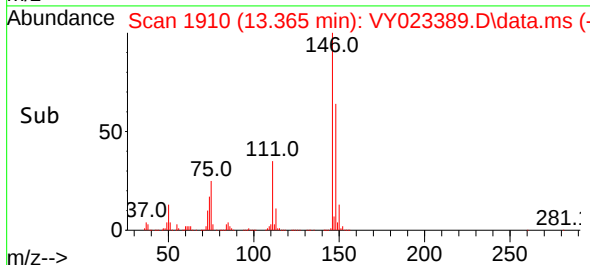
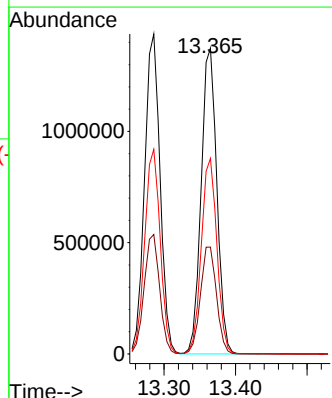
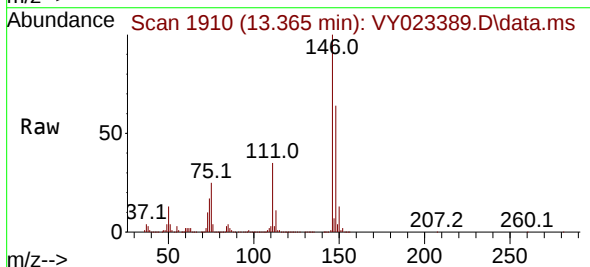
Tgt Ion:146 Resp: 2090133

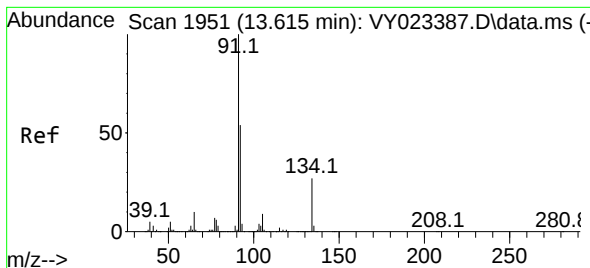
Ion Ratio Lower Upper

146 100

111 35.8 18.0 54.0

148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 163.379 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

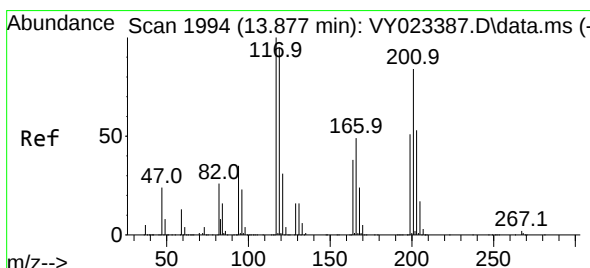
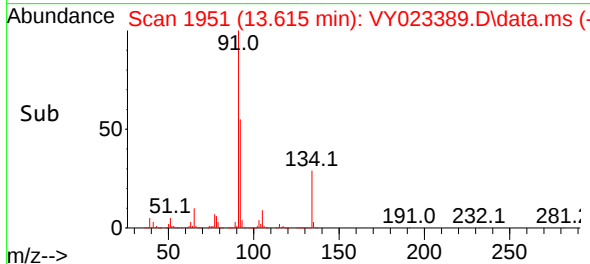
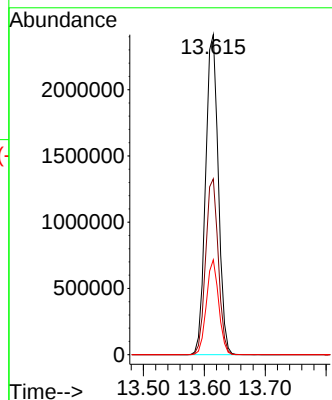
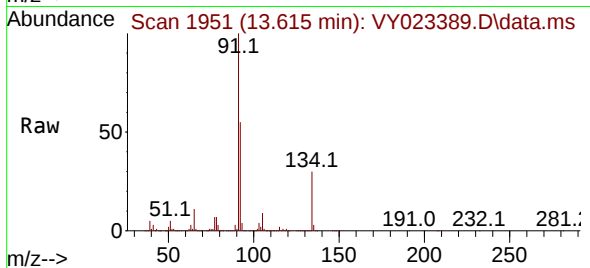
MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 3505715

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	80.8
134	28.6	14.1	42.2



#90

Hexachloroethane

Concen: 151.487 ug/l

RT: 13.877 min Scan# 1994

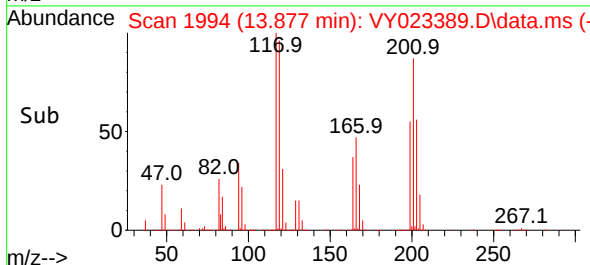
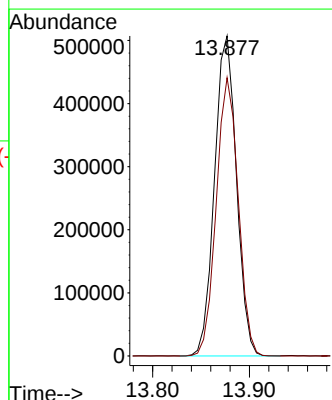
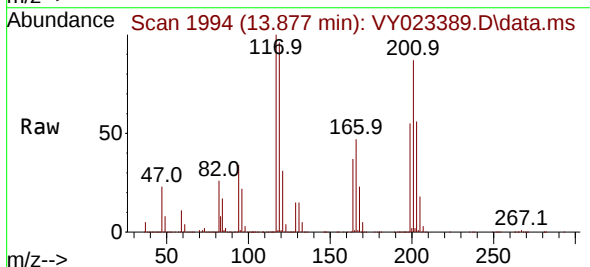
Delta R.T. 0.000 min

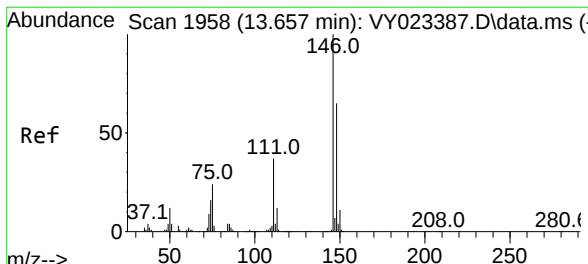
Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion: 117 Resp: 799264

Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.4



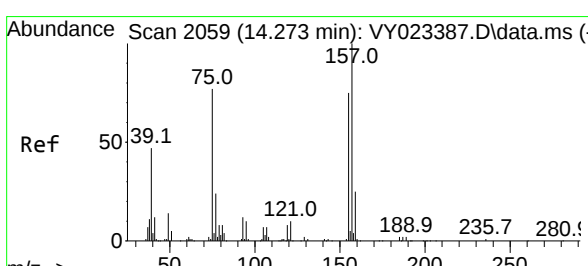
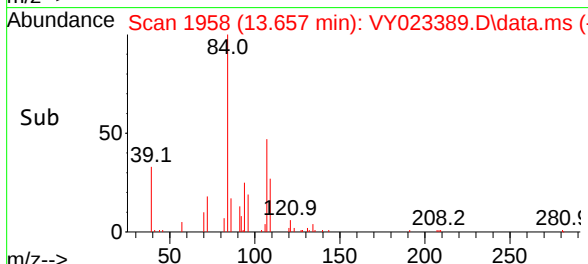
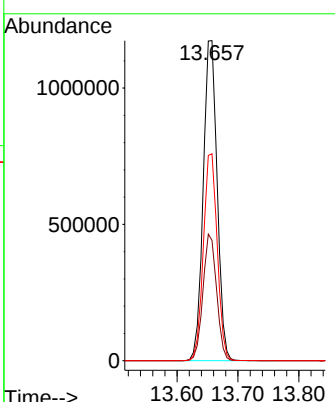
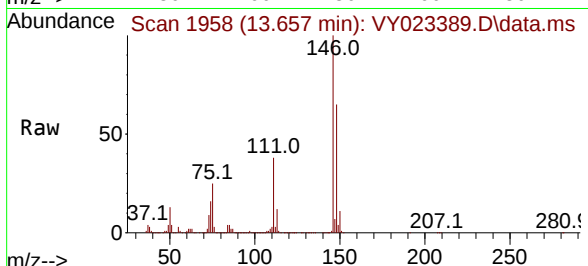


#91
 1,2-Dichlorobenzene
 Concen: 157.101 ug/l
 RT: 13.657 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1862691

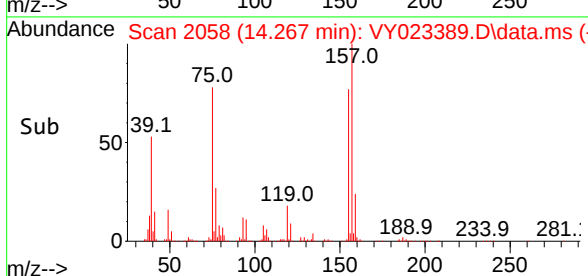
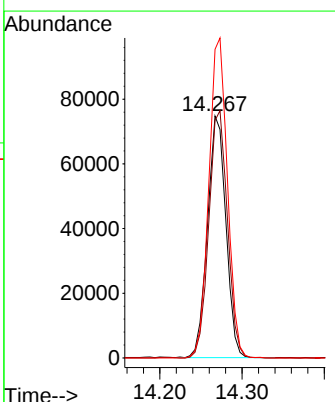
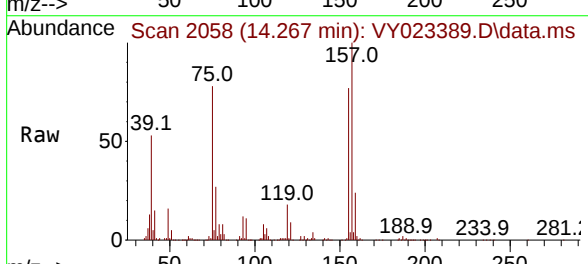
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.5	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.099 ug/l
 RT: 14.267 min Scan# 2058
 Delta R.T. -0.006 min
 Lab File: VY023389.D
 Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 116273

Ion	Ratio	Lower	Upper
75	100		
155	103.6	50.0	150.0
157	133.4	63.8	191.5





#93

1,2,4-Trichlorobenzene

Concen: 182.183 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. -0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

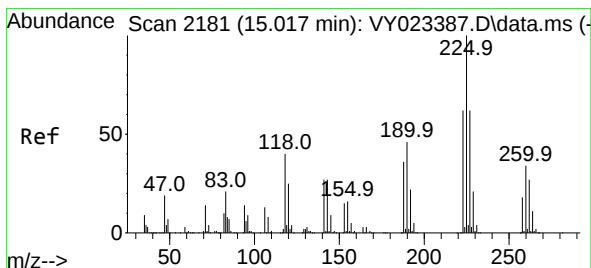
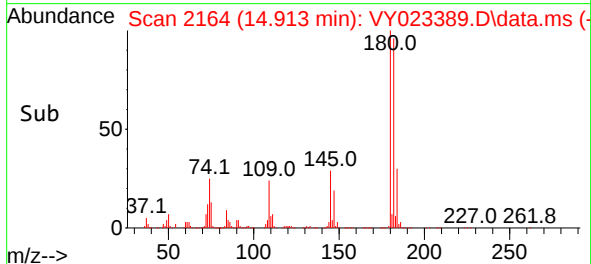
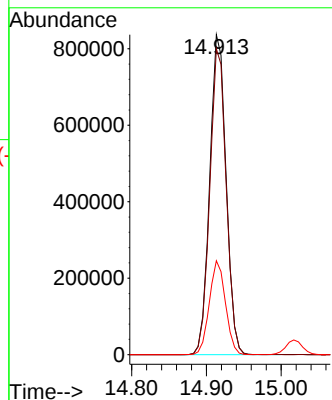
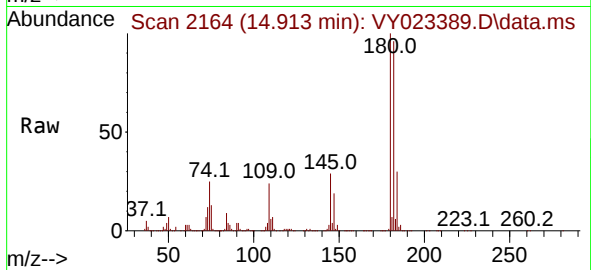
Tgt Ion:180 Resp: 1272621

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

145 28.9 14.7 44.1



#94

Hexachlorobutadiene

Concen: 163.518 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

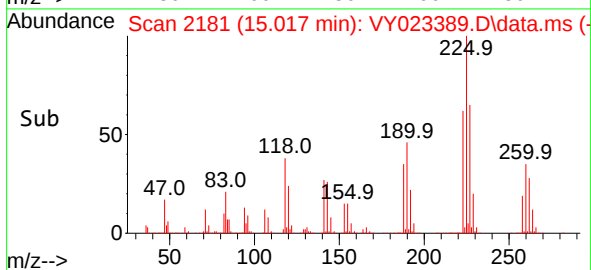
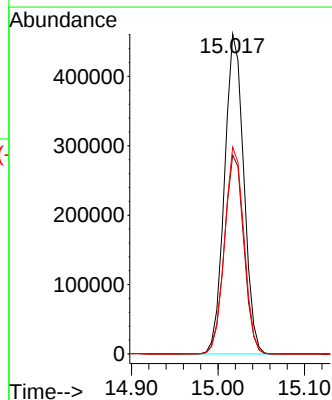
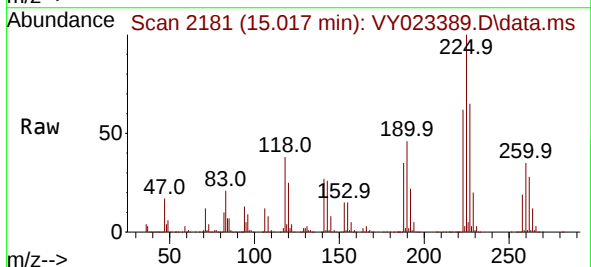
Tgt Ion:225 Resp: 711748

Ion Ratio Lower Upper

225 100

223 62.9 30.8 92.3

227 65.0 31.9 95.7





#95

Naphthalene

Concen: 204.639 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

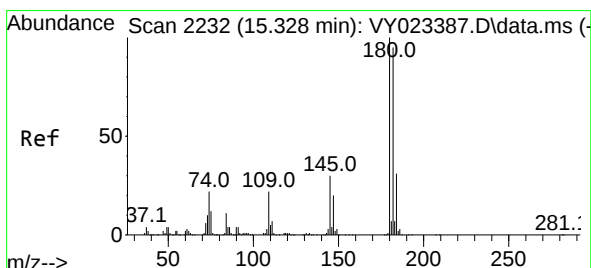
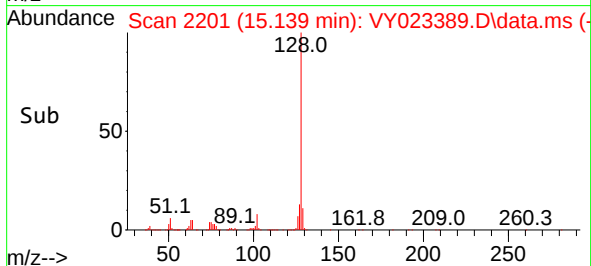
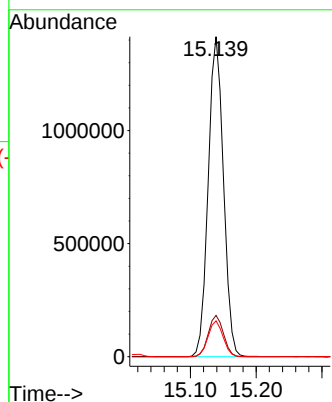
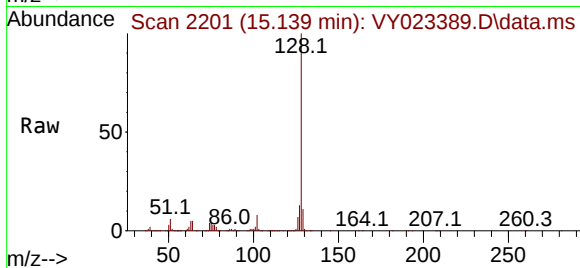
Tgt Ion:128 Resp: 2277549

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: 183.206 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY023389.D

Acq: 07 Oct 2025 12:32

Tgt Ion:180 Resp: 1110193

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 30.5 15.3 45.9

