

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023181.D
 Acq On : 20 Aug 2025 17:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:41:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	431711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	681100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	612955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	314994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201806	49.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.100%
35) Dibromofluoromethane	7.634	113	205442	50.409	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.103	98	803956	50.496	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.401	95	254520	49.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.420%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	140877	39.978	ug/l	97
3) Chloromethane	2.068	50	261276	45.777	ug/l	100
4) Vinyl Chloride	2.202	62	338048	47.914	ug/l	98
5) Bromomethane	2.592	94	264319	50.164	ug/l	99
6) Chloroethane	2.732	64	236880	50.501	ug/l	98
7) Trichlorofluoromethane	3.049	101	393907	45.916	ug/l	99
8) Diethyl Ether	3.452	74	103960	45.804	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	197614	46.691	ug/l	99
10) Methyl Iodide	4.001	142	225990	49.483	ug/l	99
11) Tert butyl alcohol	4.854	59	62649	222.221	ug/l	100
12) 1,1-Dichloroethene	3.787	96	193943	46.619	ug/l	94
13) Acrolein	3.647	56	44701	108.267	ug/l	99
14) Allyl chloride	4.378	41	270128	44.128	ug/l	98
15) Acrylonitrile	5.055	53	223687	242.415	ug/l	100
16) Acetone	3.866	43	177721	199.376	ug/l	99
17) Carbon Disulfide	4.104	76	607851	44.811	ug/l	99
18) Methyl Acetate	4.385	43	130298	49.121	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	510091	47.317	ug/l	99
20) Methylene Chloride	4.616	84	223113	48.063	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	223660	47.840	ug/l	96
22) Diisopropyl ether	6.018	45	627852	47.200	ug/l	97
23) Vinyl Acetate	5.957	43	1719391	233.764	ug/l	99
24) 1,1-Dichloroethane	5.909	63	388982	47.830	ug/l	99
25) 2-Butanone	6.890	43	272663	224.910	ug/l	97
26) 2,2-Dichloropropane	6.884	77	311074	44.329	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	262081	48.491	ug/l	97
28) Bromochloromethane	7.244	49	163067	50.540	ug/l	97
29) Tetrahydrofuran	7.262	42	179182	238.443	ug/l	98
30) Chloroform	7.421	83	414476	49.417	ug/l	94
31) Cyclohexane	7.701	56	324389	42.328	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	361459	48.569	ug/l	99
36) 1,1-Dichloropropene	7.835	75	288831	47.687	ug/l	98
37) Ethyl Acetate	6.982	43	123240	48.438	ug/l	99
38) Carbon Tetrachloride	7.817	117	317448	48.256	ug/l	99
39) Methylcyclohexane	9.109	83	370443	46.445	ug/l	98
40) Benzene	8.079	78	922826	49.434	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	62713	42.710	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	237320	48.880	ug/l	99
43) Isopropyl Acetate	8.195	43	243485	47.349	ug/l	97
44) Trichloroethene	8.866	130	243042	50.380	ug/l	97
45) 1,2-Dichloropropane	9.140	63	213263	49.651	ug/l	98
46) Dibromomethane	9.231	93	125873	51.057	ug/l	100
47) Bromodichloromethane	9.420	83	319939	50.434	ug/l	98
48) Methyl methacrylate	9.219	41	117938	47.928	ug/l	95
49) 1,4-Dioxane	9.231	88	29639	1025.325	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	660107	248.855	ug/l	99
52) Toluene	10.170	92	591391	49.880	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	277440	48.297	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	332155	48.898	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	167667	50.825	ug/l	96
56) Ethyl methacrylate	10.438	69	214252	50.756	ug/l	98
57) 1,3-Dichloropropane	10.719	76	280045	50.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	553935	278.196	ug/l	99
59) 2-Hexanone	10.762	43	434814	240.731	ug/l	99
60) Dibromochloromethane	10.908	129	221938	50.987	ug/l	100
61) 1,2-Dibromoethane	11.011	107	156537	50.486	ug/l	98
64) Tetrachloroethene	10.646	164	294304	53.771	ug/l	97
65) Chlorobenzene	11.438	112	649300	49.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	224242	49.973	ug/l	98
67) Ethyl Benzene	11.517	91	1114480	48.982	ug/l	98
68) m/p-Xylenes	11.627	106	886344	99.741	ug/l	97
69) o-Xylene	11.950	106	416104	49.995	ug/l	100
70) Styrene	11.969	104	710534	52.202	ug/l	97
71) Bromoform	12.127	173	133042	50.729	ug/l #	99
73) Isopropylbenzene	12.249	105	1062843	47.807	ug/l	100
74) N-amyl acetate	12.066	43	214847	45.570	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	171339	45.136	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	236703	77.862	ug/l #	100
77) Bromobenzene	12.529	156	255129	48.103	ug/l	97
78) n-propylbenzene	12.590	91	1275610	48.193	ug/l	99
79) 2-Chlorotoluene	12.676	91	723999	47.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	862323	47.993	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	55521	44.210	ug/l	98
82) 4-Chlorotoluene	12.773	91	748821	47.598	ug/l	98
83) tert-Butylbenzene	12.993	119	780594	48.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	869337	48.604	ug/l	99
85) sec-Butylbenzene	13.170	105	1147774	48.148	ug/l	100
86) p-Isopropyltoluene	13.285	119	965816	48.810	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	508936	48.659	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	497592	47.958	ug/l	100
89) n-Butylbenzene	13.615	91	869741	47.858	ug/l	99
90) Hexachloroethane	13.877	117	197634	48.791	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	445962	48.617	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27394	46.349	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	242796	44.759	ug/l	98
94) Hexachlorobutadiene	15.017	225	143992	45.173	ug/l	99
95) Naphthalene	15.139	128	429158	46.397	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	213464	45.668	ug/l	98

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Response via : Initial Calibration

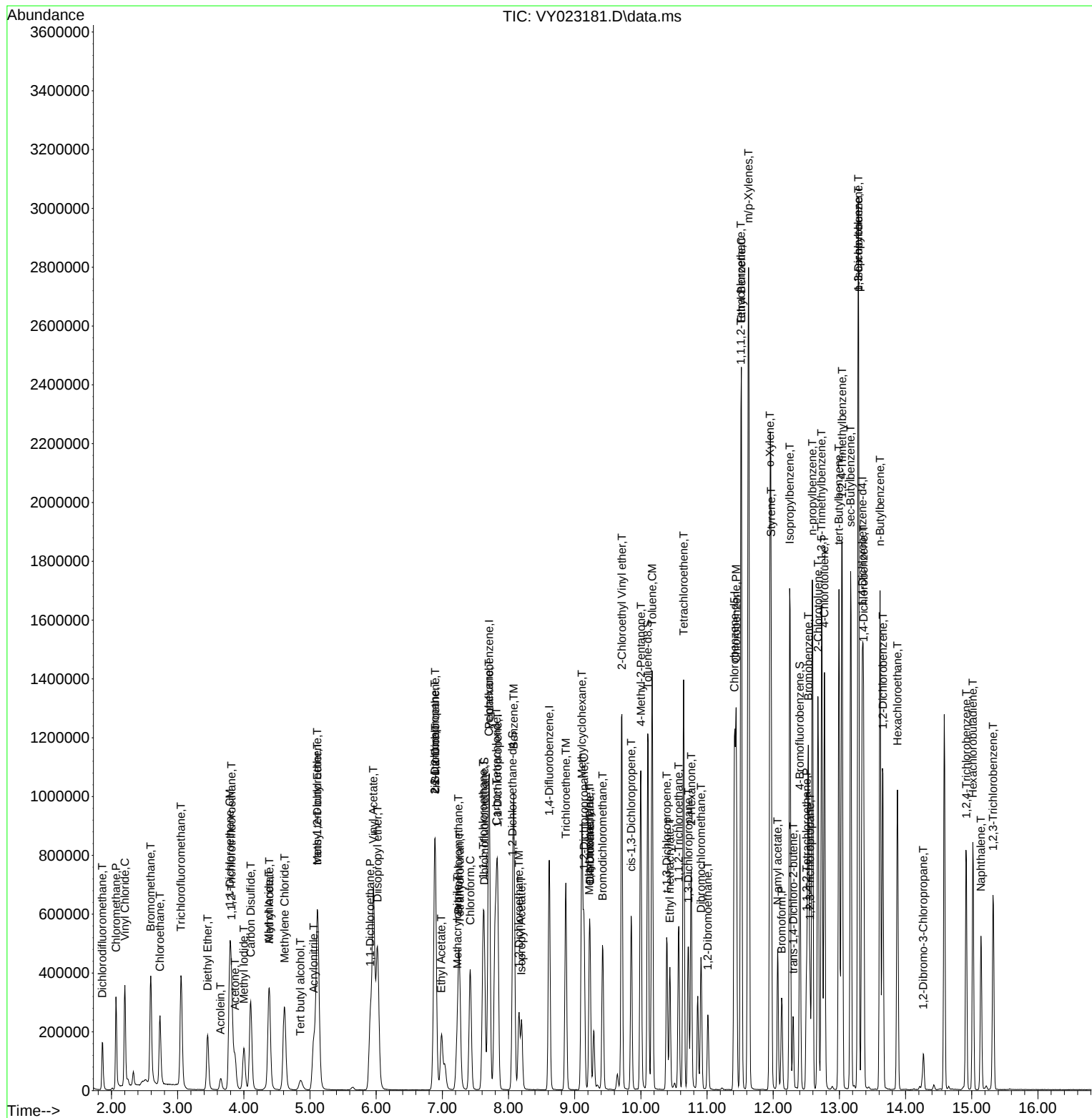
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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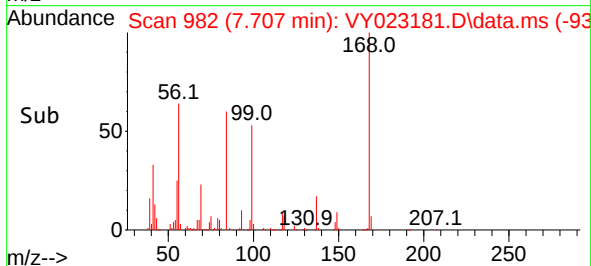
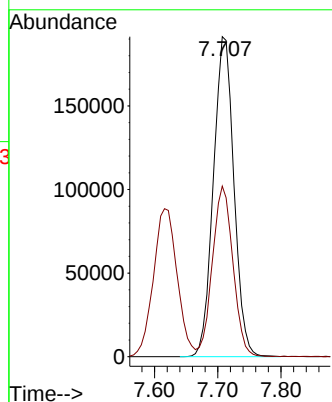
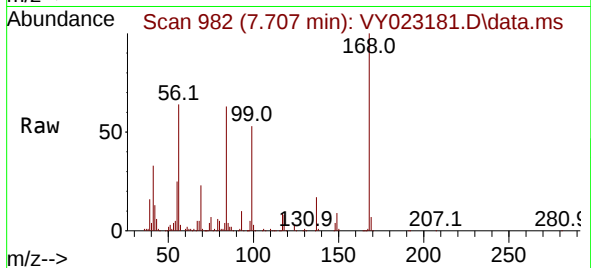




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023181.D
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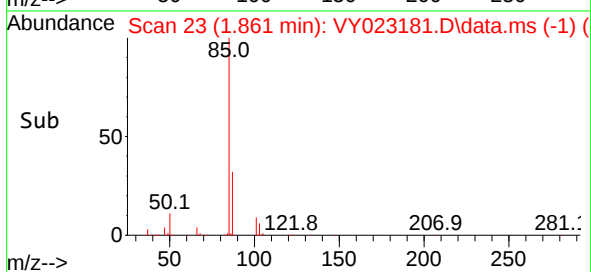
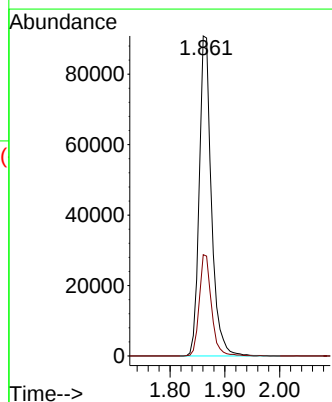
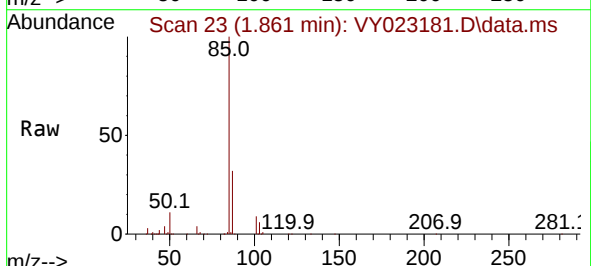
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 431711
Ion Ratio Lower Upper
168 100
99 53.2 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 39.978 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 85 Resp: 140877
Ion Ratio Lower Upper
85 100
87 31.7 16.6 49.8

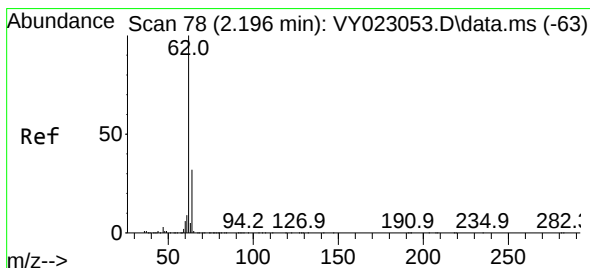
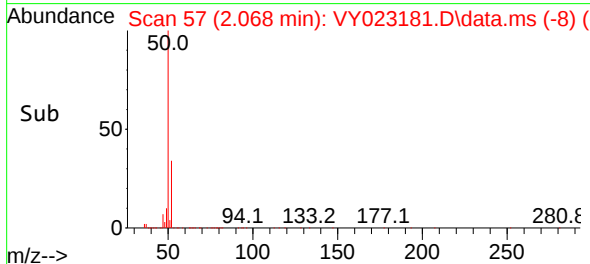
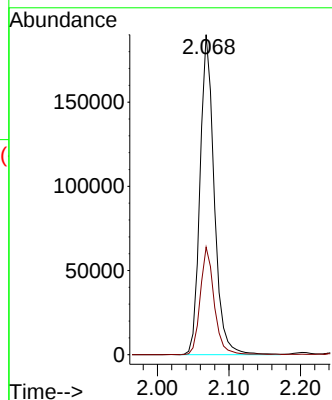
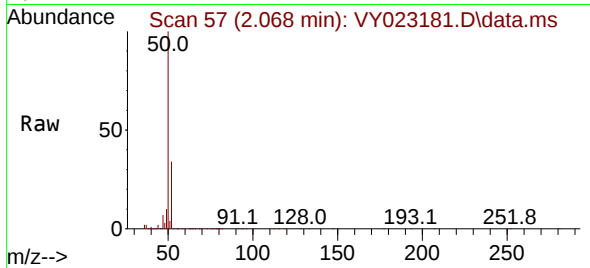




#3
Chloromethane
Concen: 45.777 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

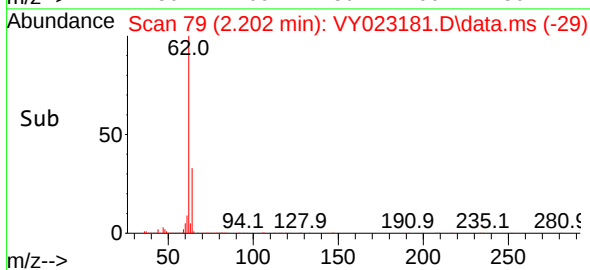
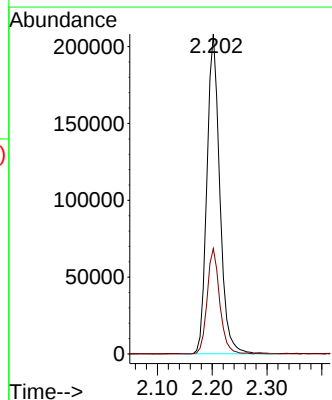
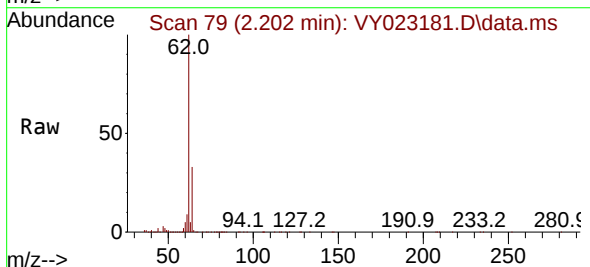
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 50 Resp: 261276
Ion Ratio Lower Upper
50 100
52 33.6 26.7 40.1



#4
Vinyl Chloride
Concen: 47.914 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 62 Resp: 338048
Ion Ratio Lower Upper
62 100
64 32.9 25.4 38.0

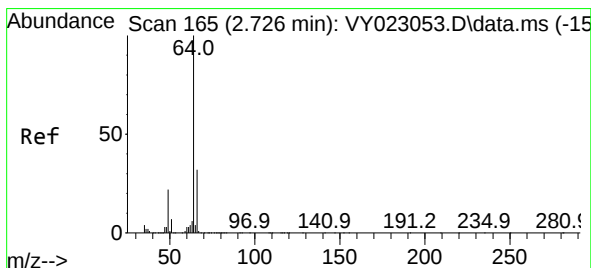
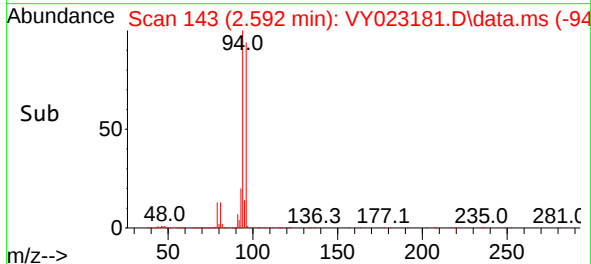
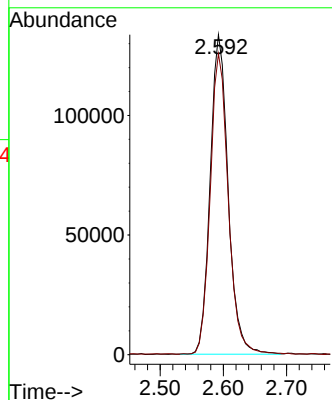
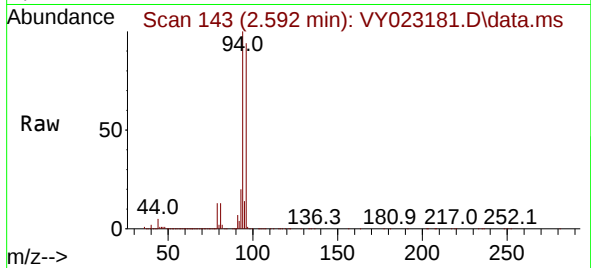




#5
Bromomethane
Concen: 50.164 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

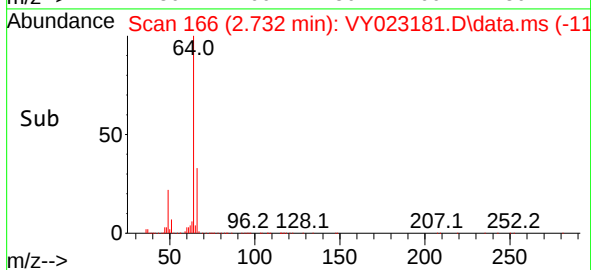
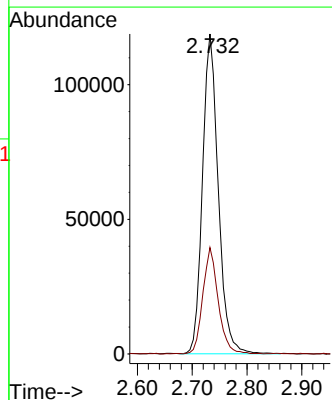
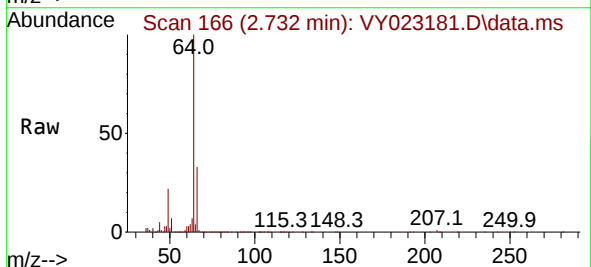
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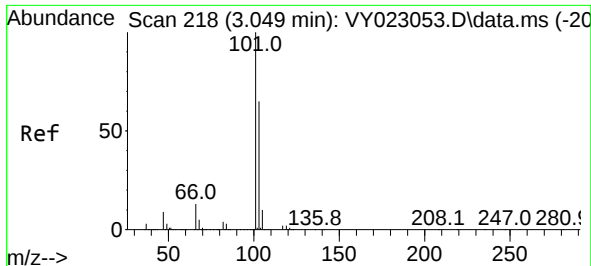
Tgt Ion: 94 Resp: 264319
Ion Ratio Lower Upper
94 100
96 94.0 74.6 112.0



#6
Chloroethane
Concen: 50.501 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 64 Resp: 236880
Ion Ratio Lower Upper
64 100
66 33.1 25.8 38.6

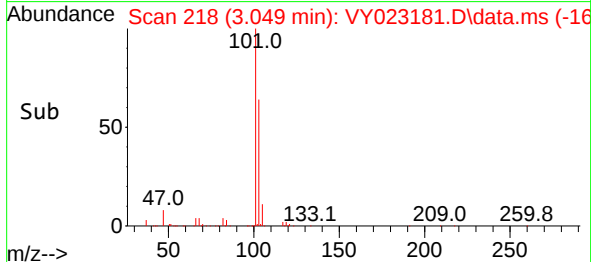
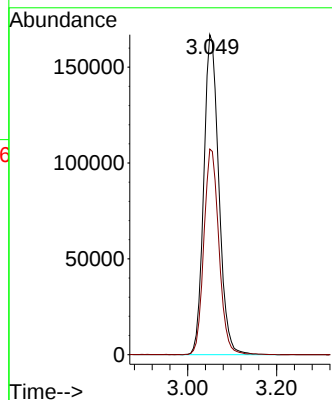
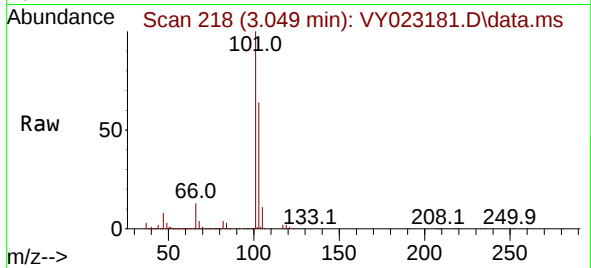




#7
 Trichlorofluoromethane
 Concen: 45.916 ug/l
 RT: 3.049 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023181.D
 Acq: 20 Aug 2025 17:41

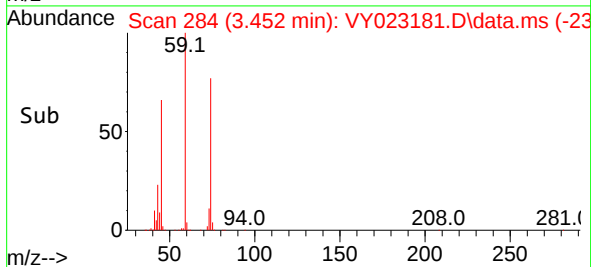
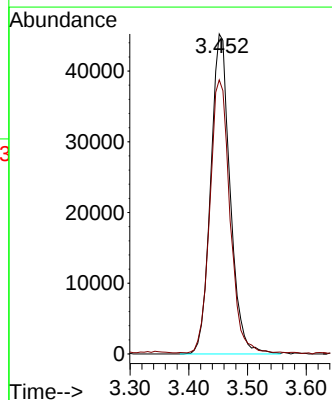
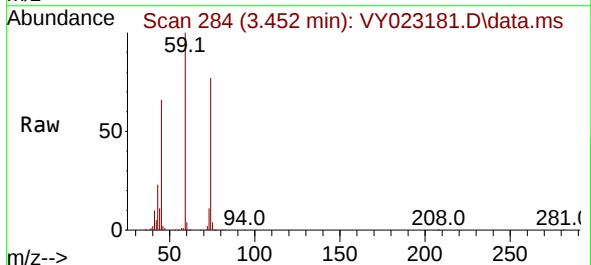
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:101 Resp: 393907
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9



#8
 Diethyl Ether
 Concen: 45.804 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023181.D
 Acq: 20 Aug 2025 17:41

Tgt Ion: 74 Resp: 103960
 Ion Ratio Lower Upper
 74 100
 45 88.0 44.4 133.2

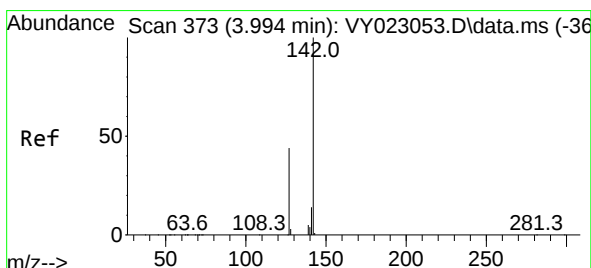
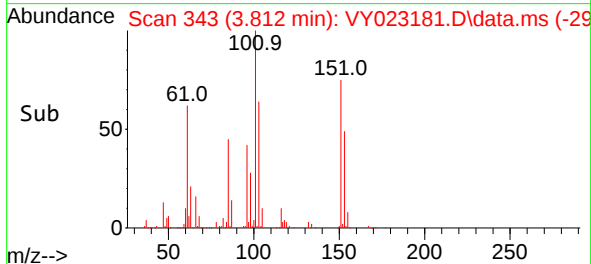
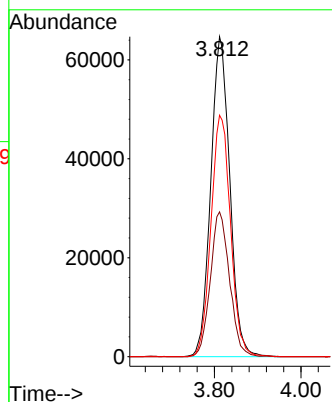
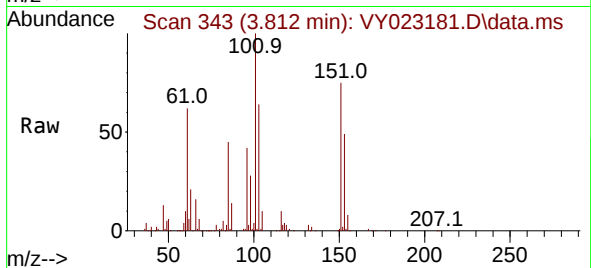




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.691 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

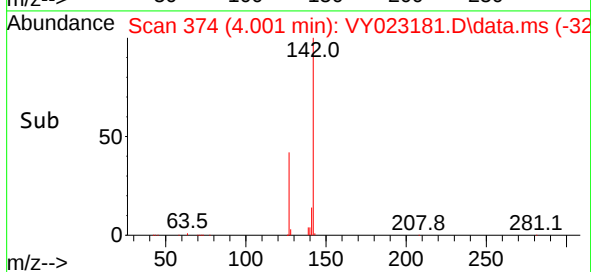
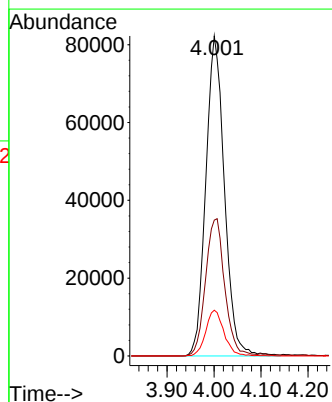
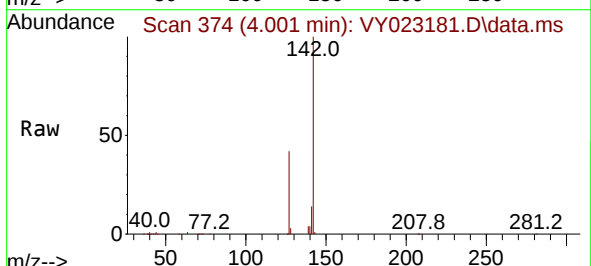
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Tgt Ion:101 Resp: 197614
Ion Ratio Lower Upper
101 100
85 45.7 36.3 54.5
151 77.6 61.5 92.3



#10
Methyl Iodide
Concen: 49.483 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:142 Resp: 225990
Ion Ratio Lower Upper
142 100
127 44.2 34.9 52.3
141 14.1 11.3 16.9

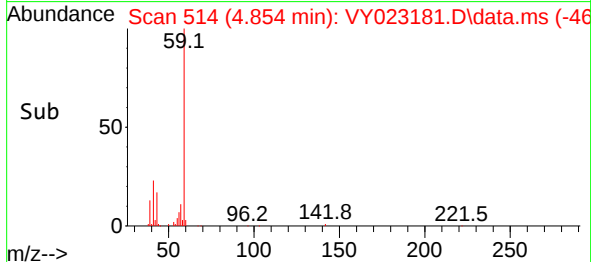
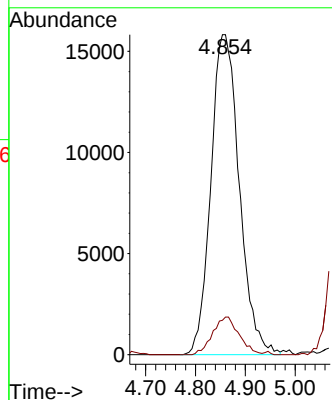
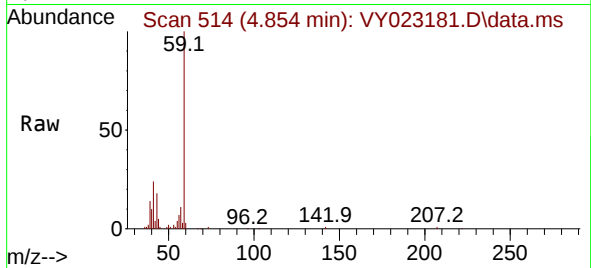




#11
Tert butyl alcohol
Concen: 222.221 ug/l
RT: 4.854 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

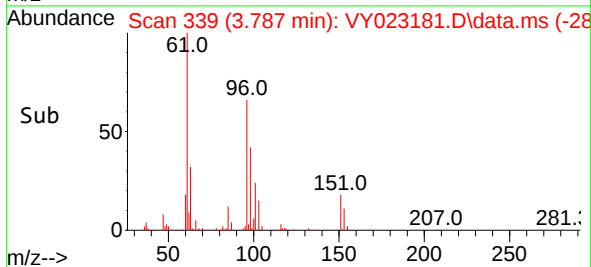
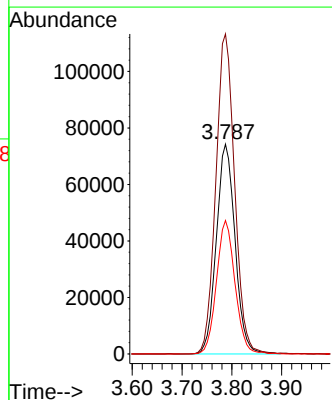
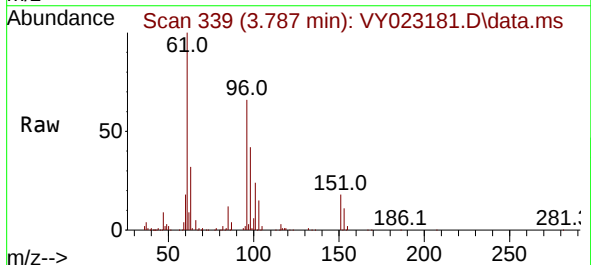
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 62649
Ion Ratio Lower Upper
59 100
57 10.9 8.6 13.0



#12
1,1-Dichloroethene
Concen: 46.619 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 96 Resp: 193943
Ion Ratio Lower Upper
96 100
61 152.6 129.4 194.2
98 63.7 52.8 79.2

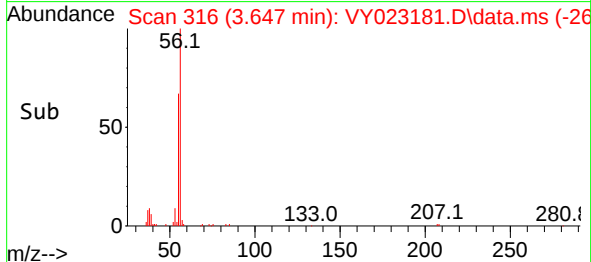
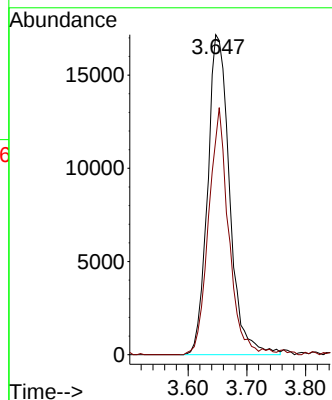
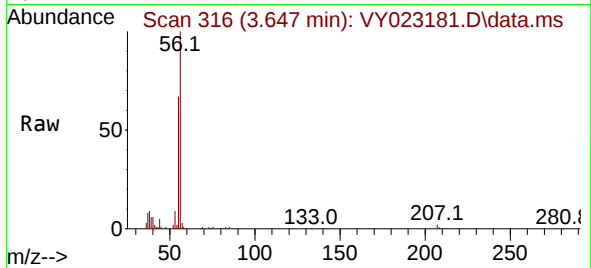




#13
Acrolein
Concen: 108.267 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

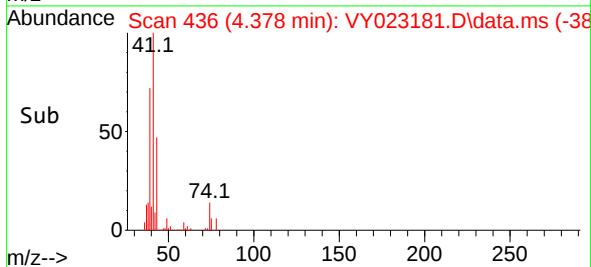
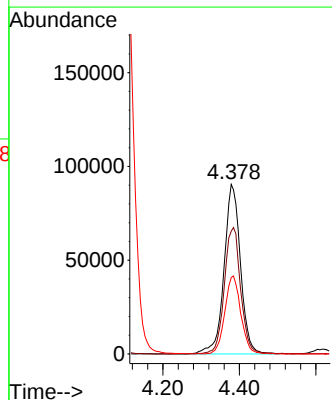
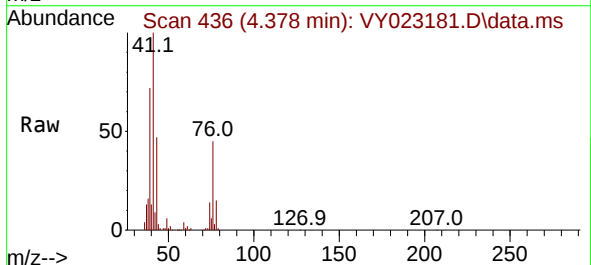
Instrument :
MSVOA_Y
ClientSampleId :

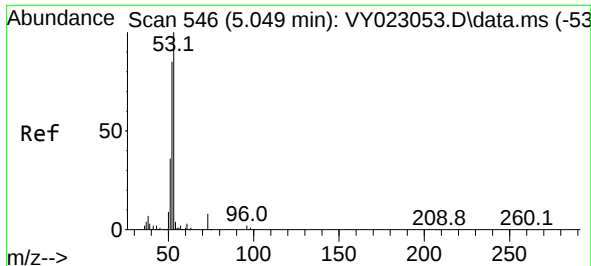
Tgt Ion: 56 Resp: 44701
Ion Ratio Lower Upper
56 100
55 69.8 55.2 82.8



#14
Allyl chloride
Concen: 44.128 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 270128
Ion Ratio Lower Upper
41 100
39 74.1 59.8 89.6
76 44.6 33.7 50.5

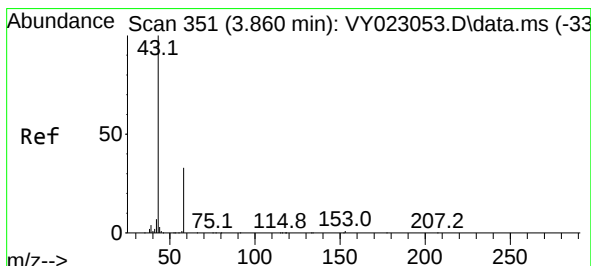
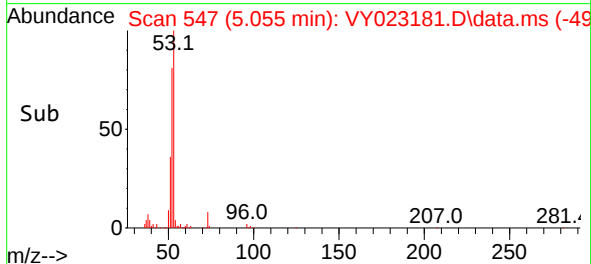
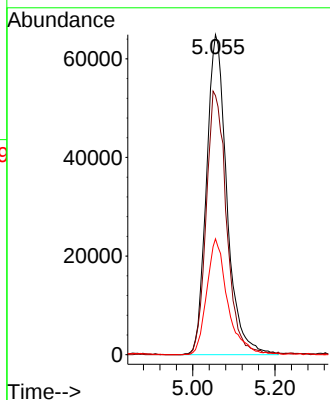
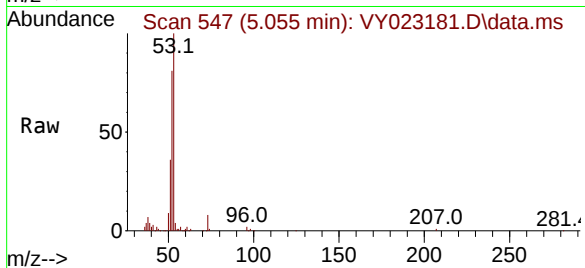




#15
Acrylonitrile
Concen: 242.415 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

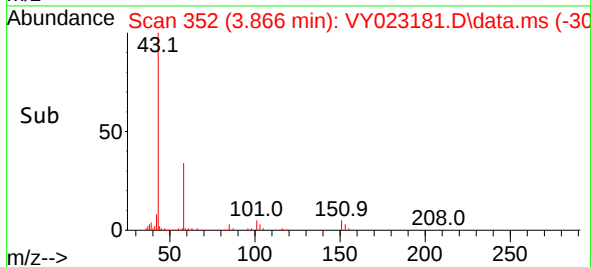
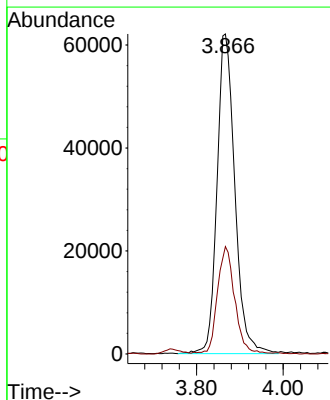
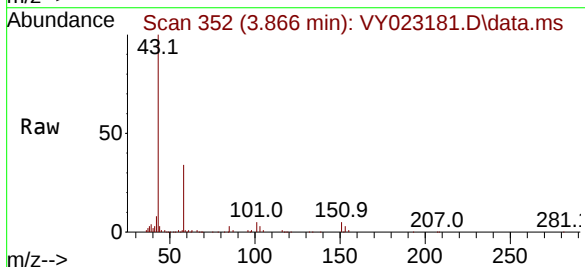
Instrument :
MSVOA_Y
ClientSampleId :

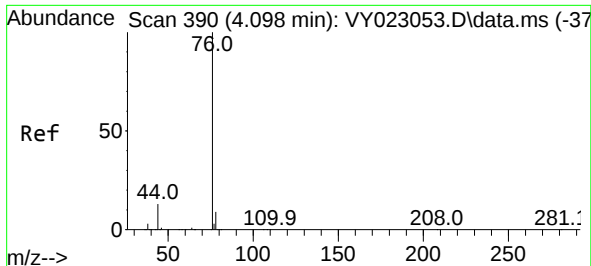
Tgt Ion: 53 Resp: 223687
Ion Ratio Lower Upper
53 100
52 82.1 65.3 97.9
51 37.1 29.5 44.3



#16
Acetone
Concen: 199.376 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 177721
Ion Ratio Lower Upper
43 100
58 33.2 27.1 40.7

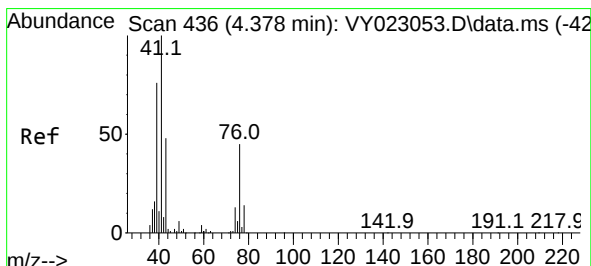
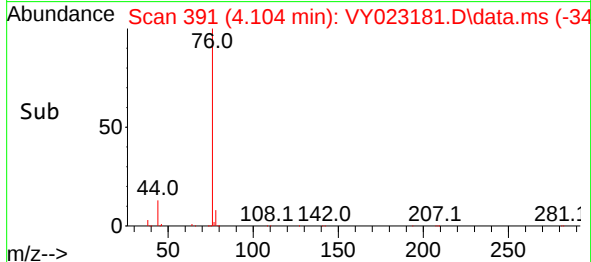
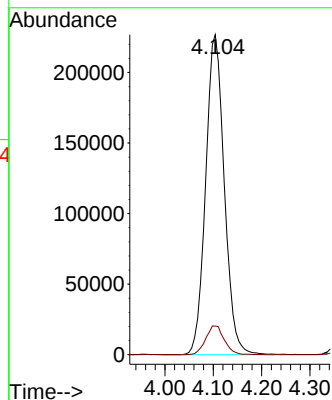
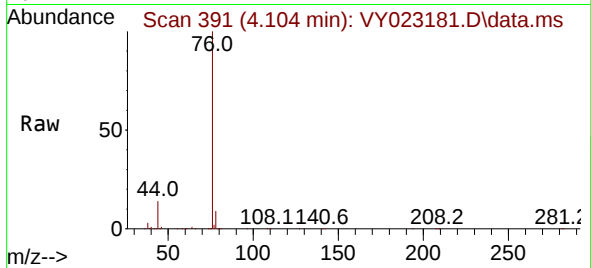




#17
Carbon Disulfide
Concen: 44.811 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

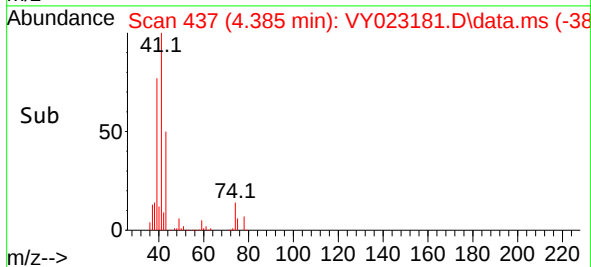
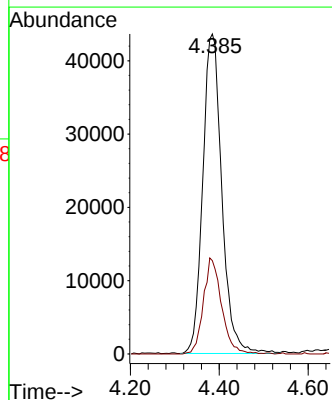
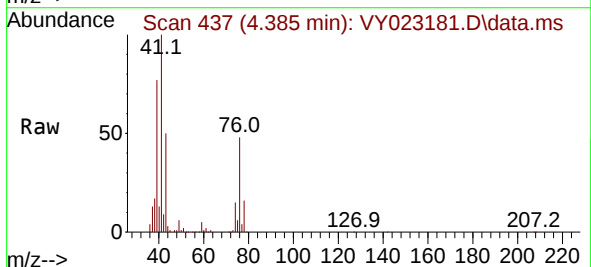
Instrument :
MSVOA_Y
ClientSampleId :

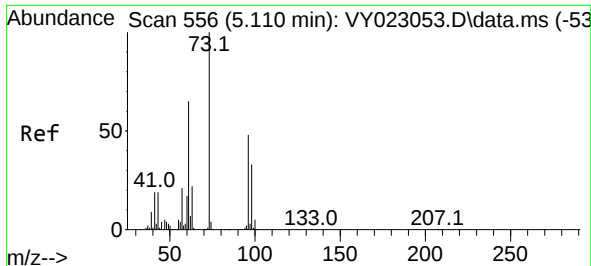
Tgt Ion: 76 Resp: 607851
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 49.121 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 130298
Ion Ratio Lower Upper
43 100
74 28.6 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 47.317 ug/l

RT: 5.110 min Scan# 510

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

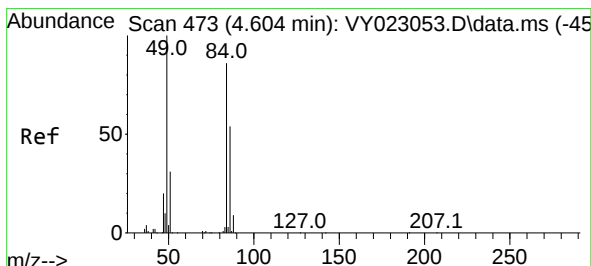
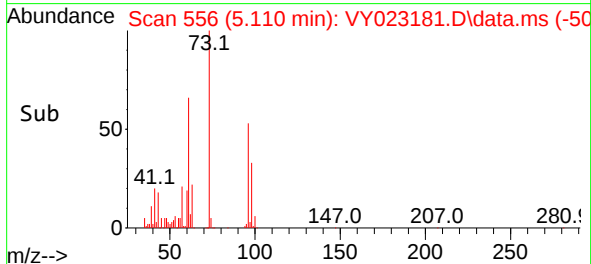
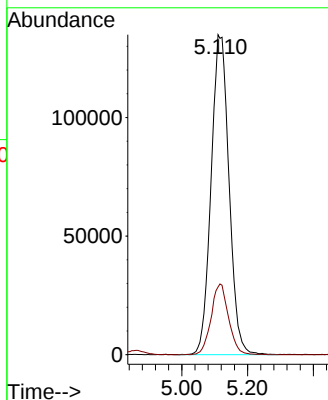
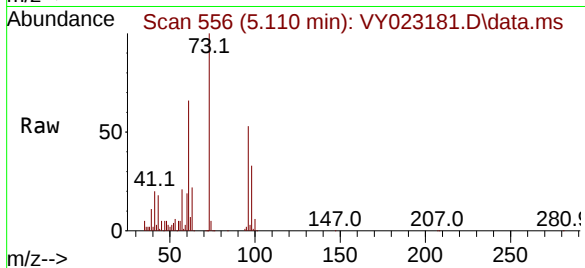
ClientSampleId :

Tgt Ion: 73 Resp: 510091

Ion Ratio Lower Upper

73 100

57 21.1 17.1 25.7



#20

Methylene Chloride

Concen: 48.063 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Tgt Ion: 84 Resp: 223113

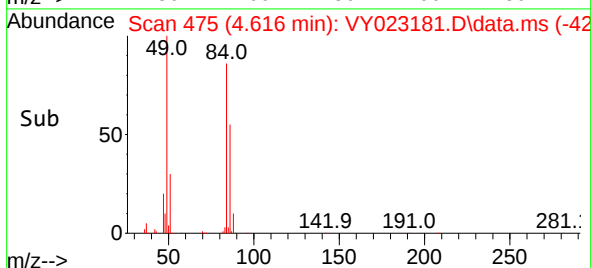
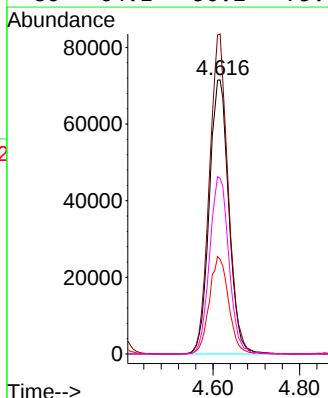
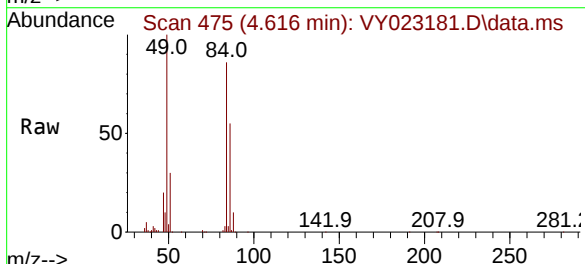
Ion Ratio Lower Upper

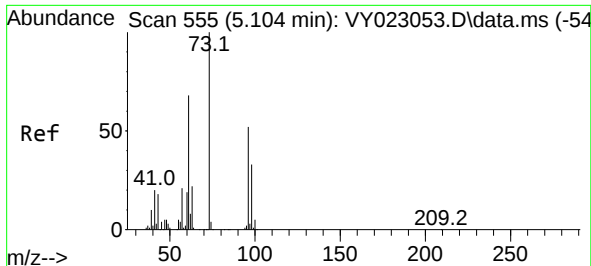
84 100

49 116.8 93.0 139.6

51 34.5 29.0 43.4

86 64.1 50.2 75.4

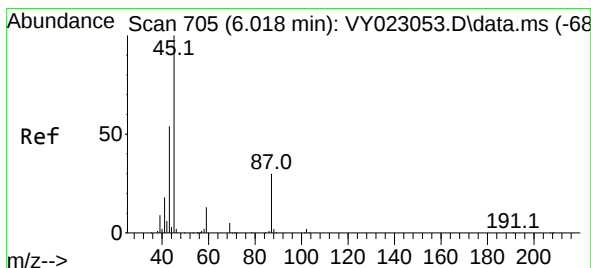
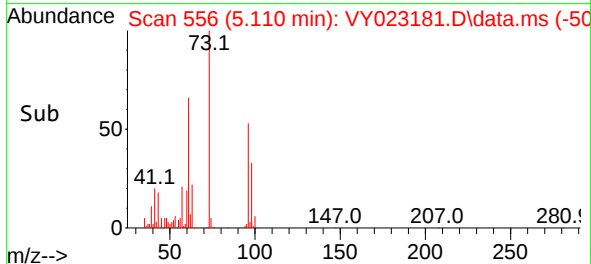
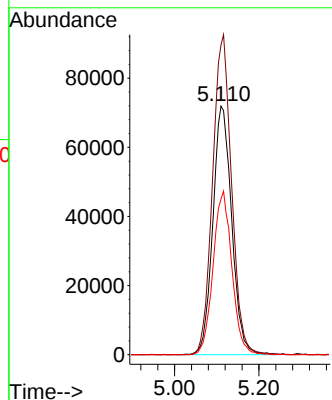
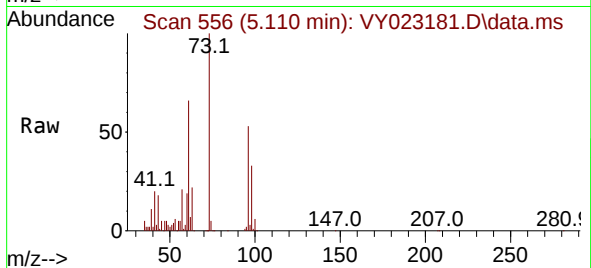




#21
trans-1,2-Dichloroethene
Concen: 47.840 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

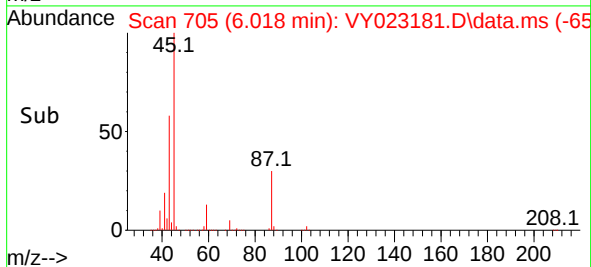
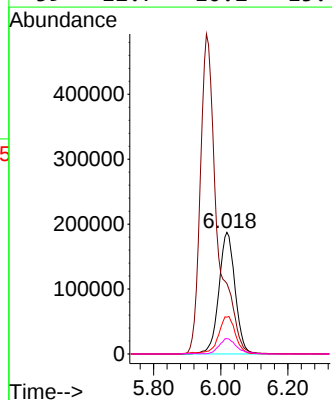
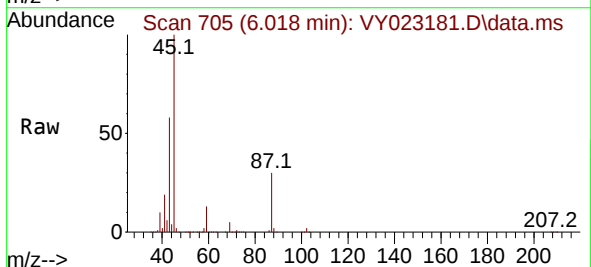
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 96 Resp: 223660
Ion Ratio Lower Upper
96 100
61 124.6 104.8 157.2
98 62.6 50.1 75.1



#22
Diisopropyl ether
Concen: 47.200 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 45 Resp: 627852
Ion Ratio Lower Upper
45 100
43 57.9 43.4 65.0
87 30.3 24.4 36.6
59 12.7 10.2 15.4

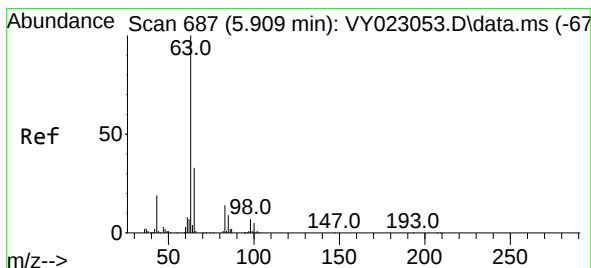
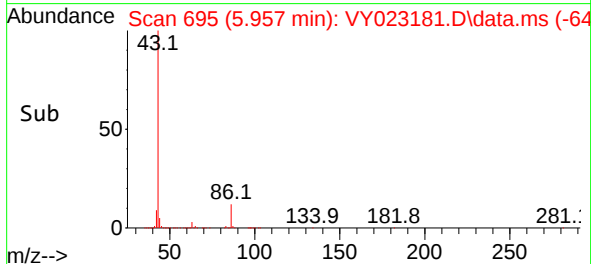
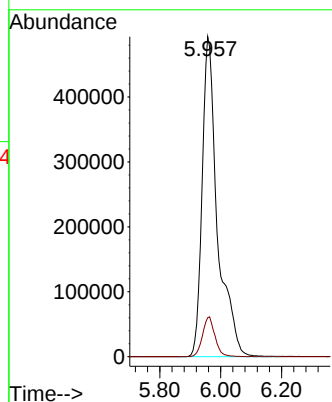
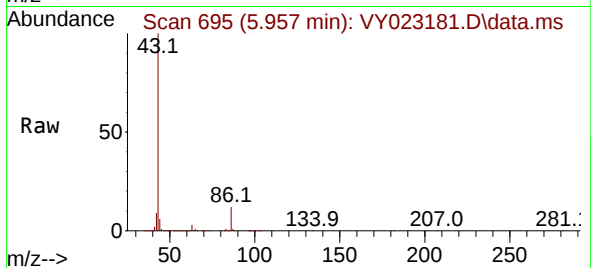




#23
 Vinyl Acetate
 Concen: 233.764 ug/l
 RT: 5.957 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023181.D
 Acq: 20 Aug 2025 17:41

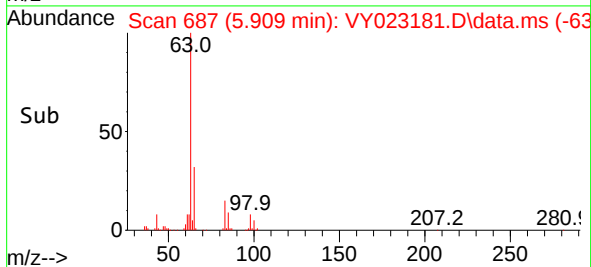
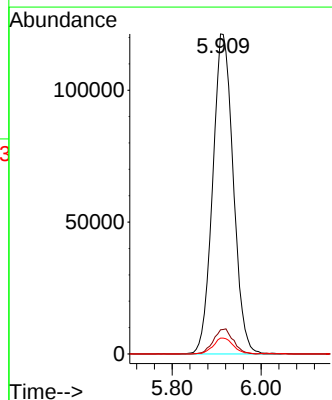
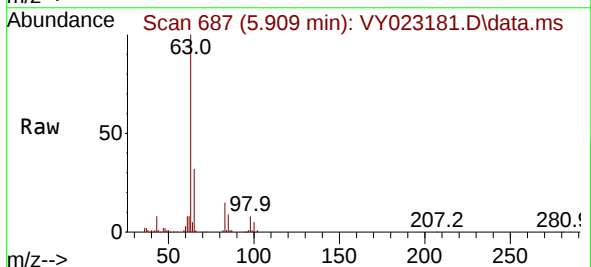
Instrument :
 MSVOA_Y
 ClientSampleId :

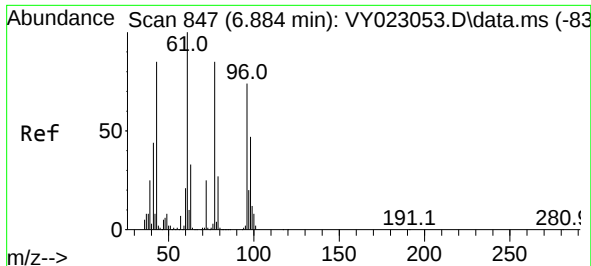
Tgt Ion: 43 Resp: 1719391
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 47.830 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023181.D
 Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 388982
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.6
 100 4.9 2.4 7.1





#25

2-Butanone

Concen: 224.910 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

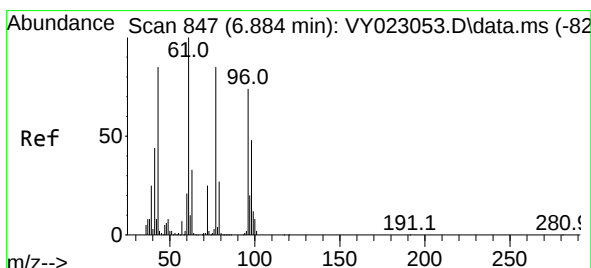
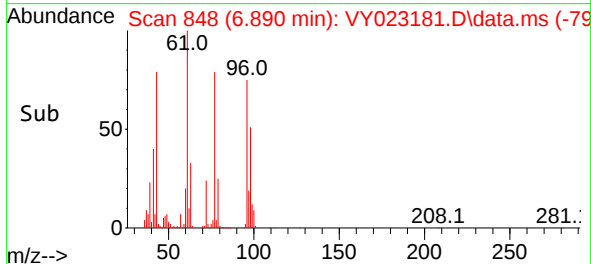
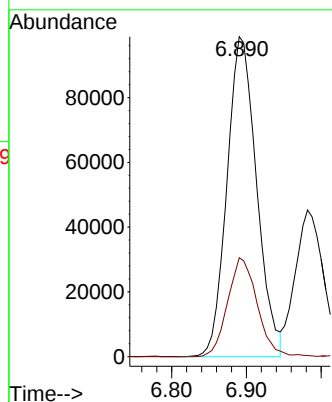
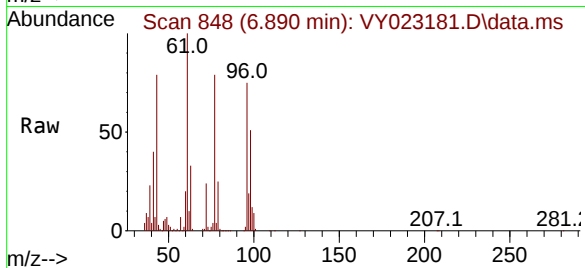
ClientSampleId :

Tgt Ion: 43 Resp: 272663

Ion Ratio Lower Upper

43 100

72 30.9 23.5 35.3



#26

2,2-Dichloropropane

Concen: 44.329 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023181.D

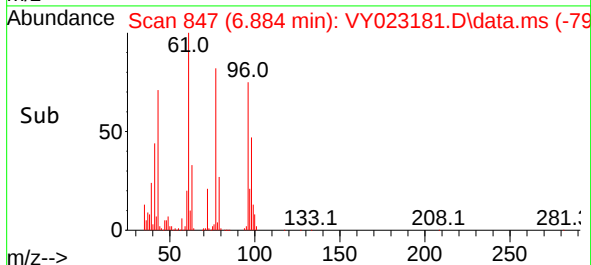
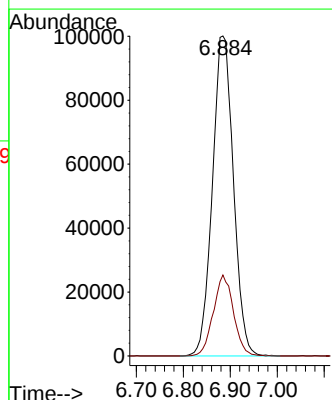
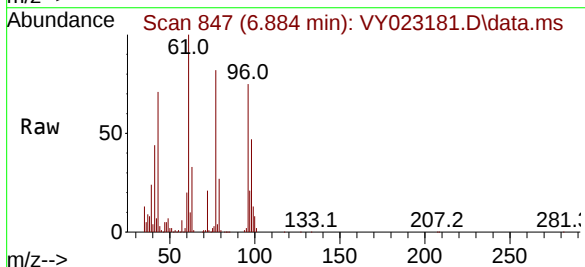
Acq: 20 Aug 2025 17:41

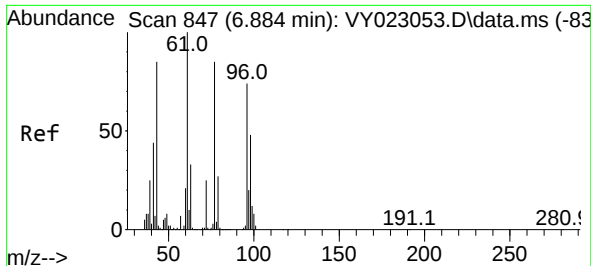
Tgt Ion: 77 Resp: 311074

Ion Ratio Lower Upper

77 100

97 24.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 48.491 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

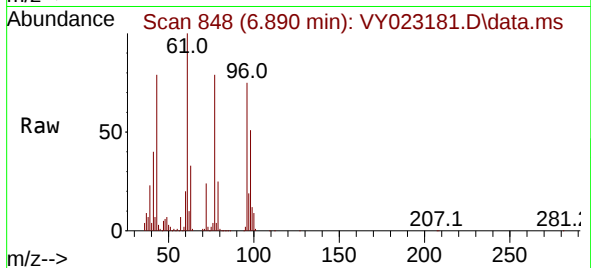
Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :



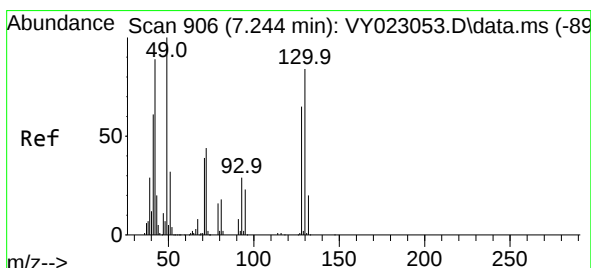
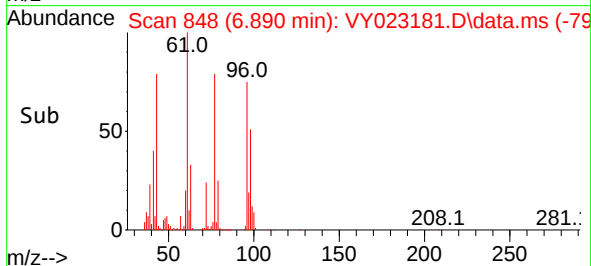
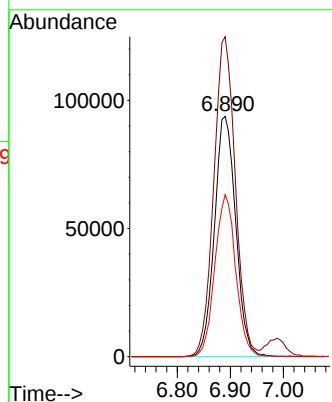
Tgt Ion: 96 Resp: 262081

Ion Ratio Lower Upper

96 100

61 134.3 0.0 278.6

98 66.1 0.0 130.4



#28

Bromochloromethane

Concen: 50.540 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

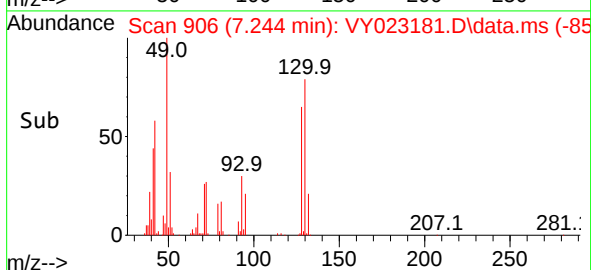
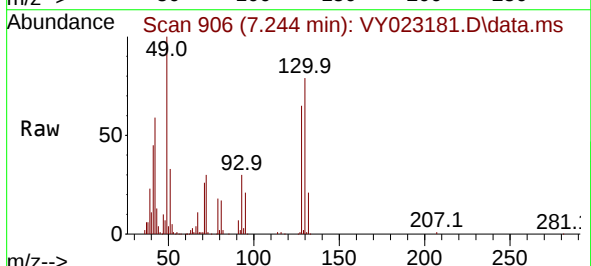
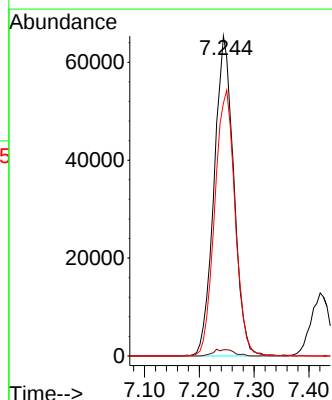
Tgt Ion: 49 Resp: 163067

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 85.8 66.4 99.6





#29

Tetrahydrofuran

Concen: 238.443 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

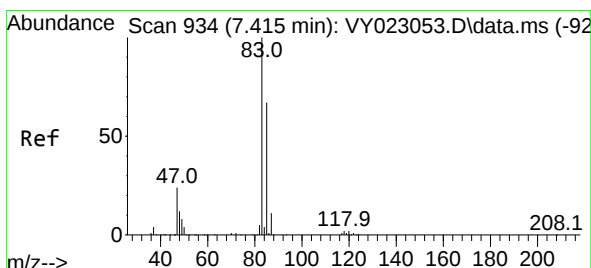
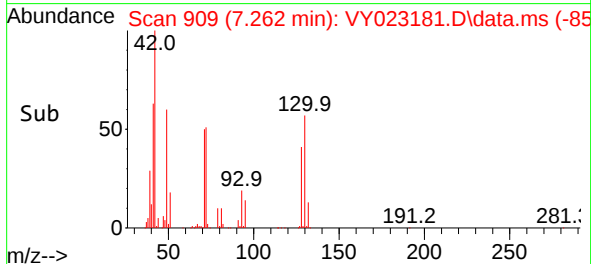
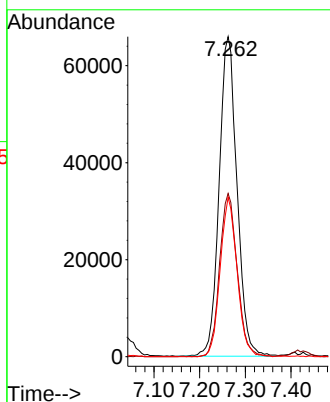
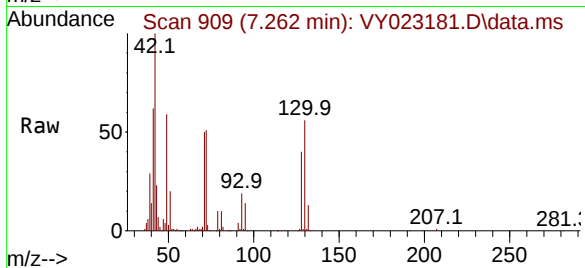
Tgt Ion: 42 Resp: 179182

Ion Ratio Lower Upper

42 100

72 50.4 39.4 59.2

71 47.1 36.5 54.7



#30

Chloroform

Concen: 49.417 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023181.D

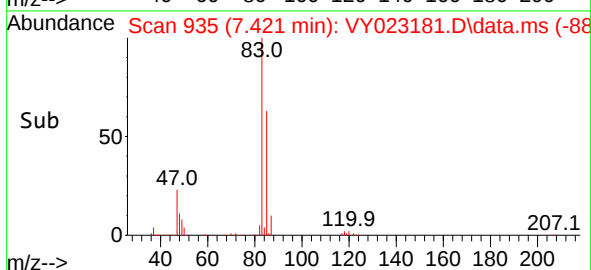
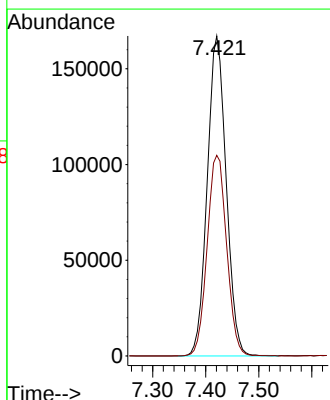
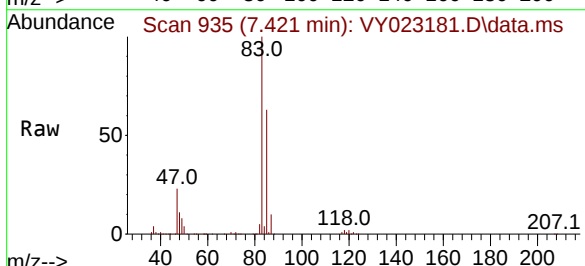
Acq: 20 Aug 2025 17:41

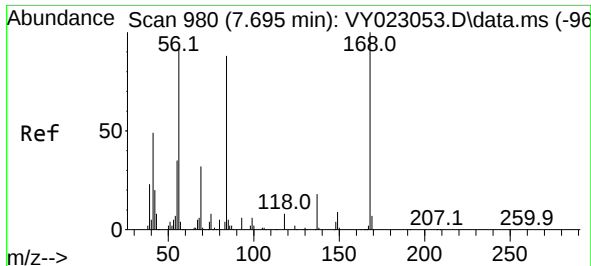
Tgt Ion: 83 Resp: 414476

Ion Ratio Lower Upper

83 100

85 62.7 53.8 80.8

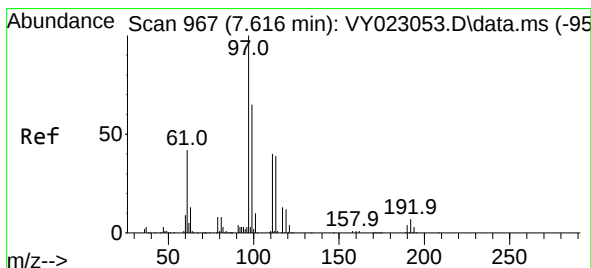
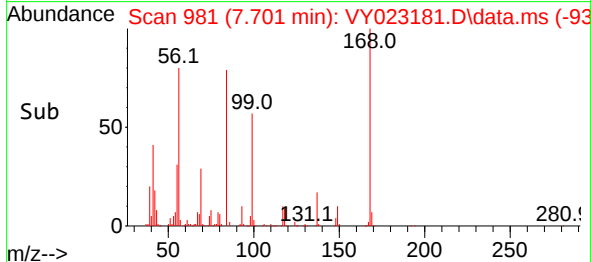
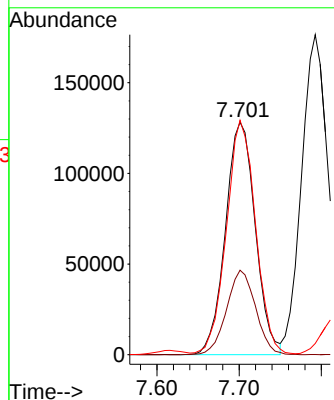
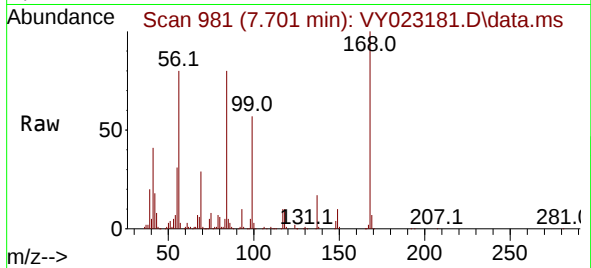




#31
Cyclohexane
Concen: 42.328 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

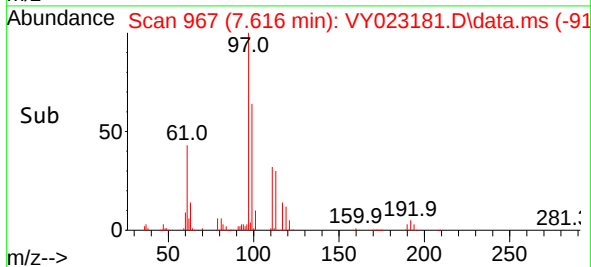
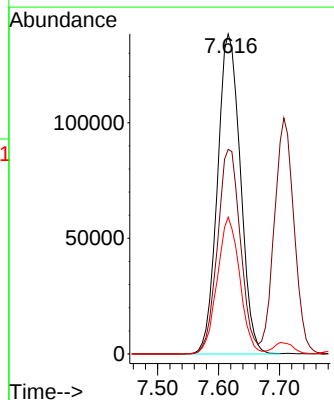
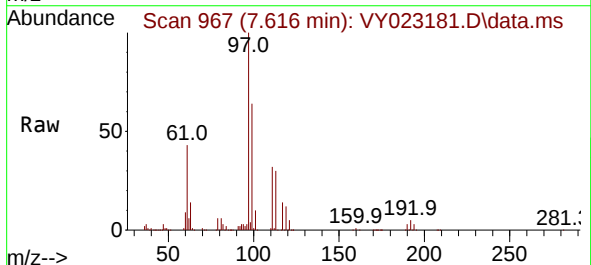
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 324389
Ion Ratio Lower Upper
56 100
69 36.4 28.2 42.2
84 99.4 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 97 Resp: 361459
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 42.1 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.047 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

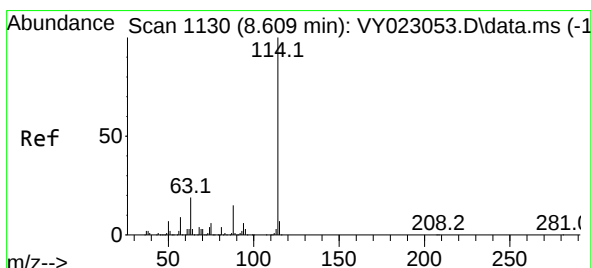
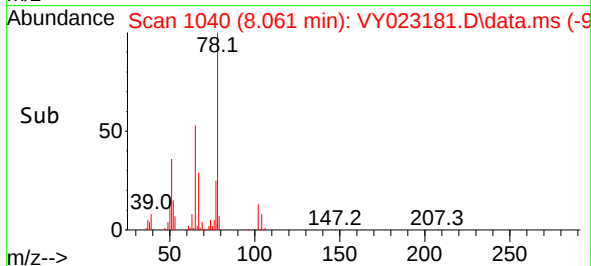
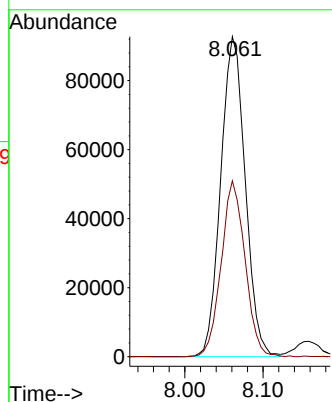
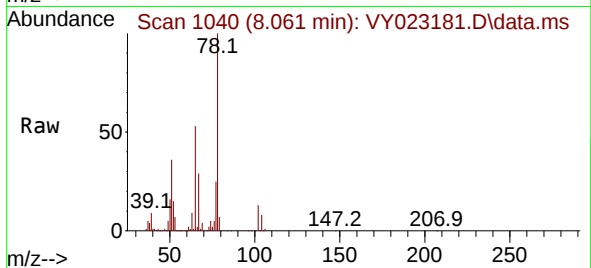
ClientSampleId :

Tgt Ion: 65 Resp: 201806

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

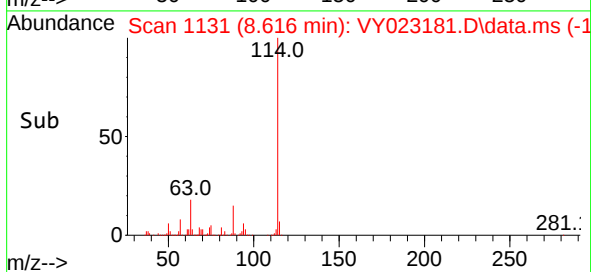
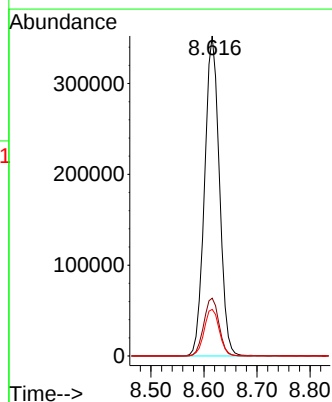
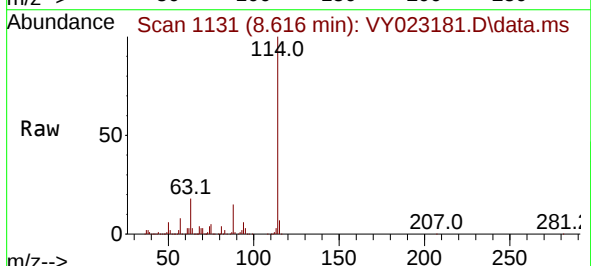
Tgt Ion:114 Resp: 681100

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.6 0.0 30.0

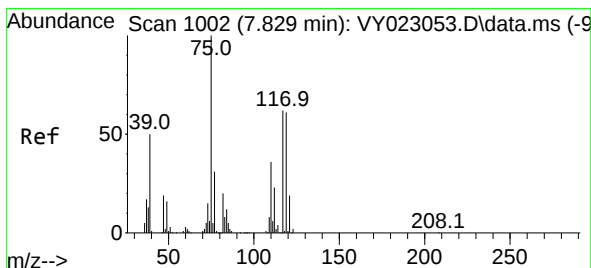
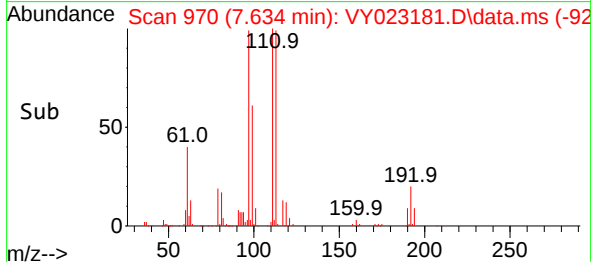
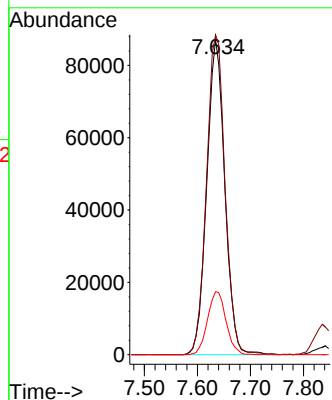
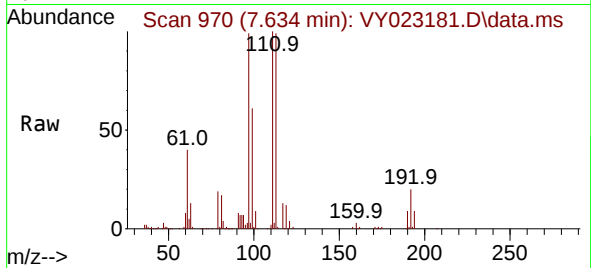




#35
Dibromofluoromethane
Concen: 50.409 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

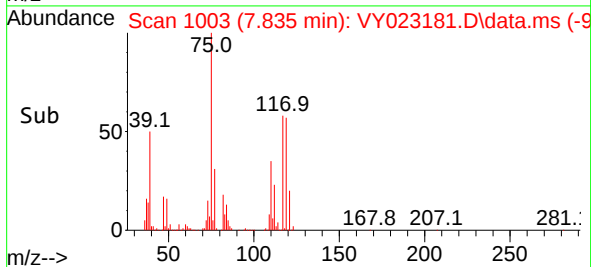
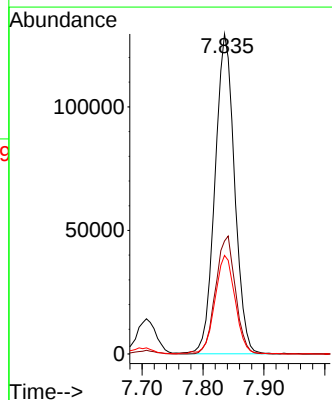
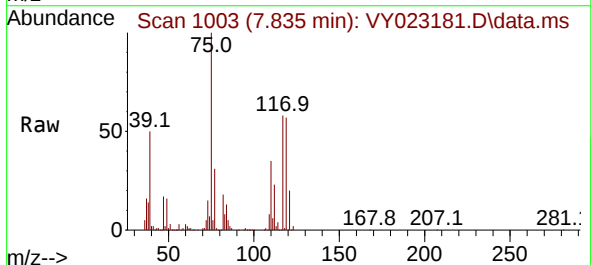
Instrument :
MSVOA_Y
ClientSampleId :

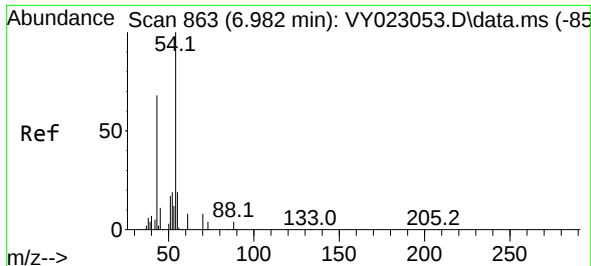
Tgt Ion:113 Resp: 205442
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 47.687 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 288831
Ion Ratio Lower Upper
75 100
110 37.3 18.1 54.4
77 31.8 24.6 37.0





#37

Ethyl Acetate

Concen: 48.438 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

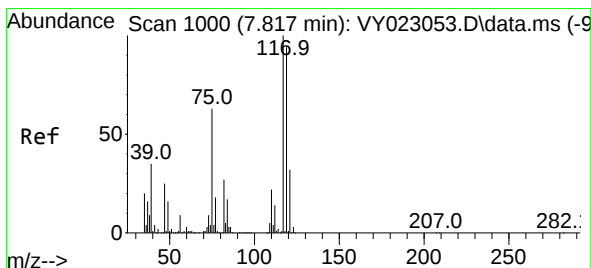
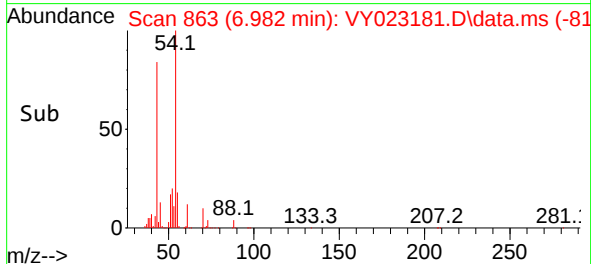
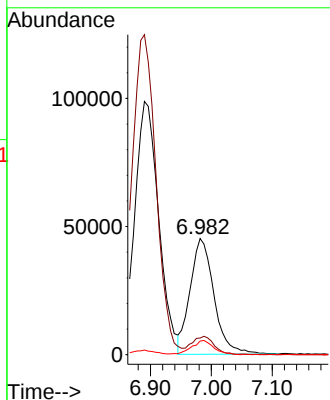
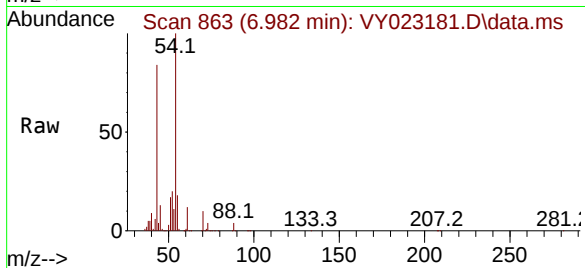
Tgt Ion: 43 Resp: 123240

Ion Ratio Lower Upper

43 100

61 15.1 11.9 17.9

70 11.4 8.8 13.2



#38

Carbon Tetrachloride

Concen: 48.256 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

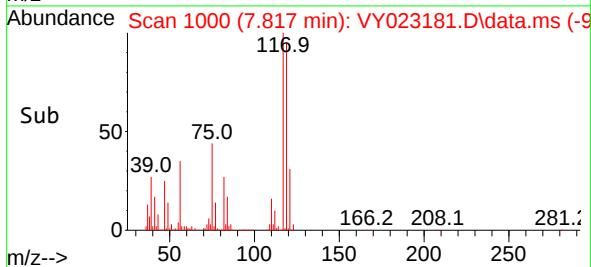
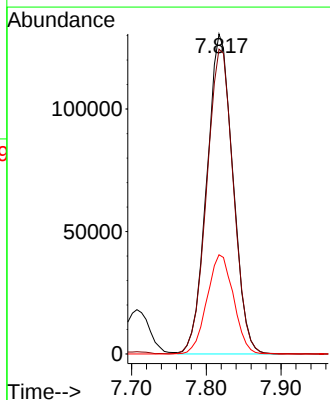
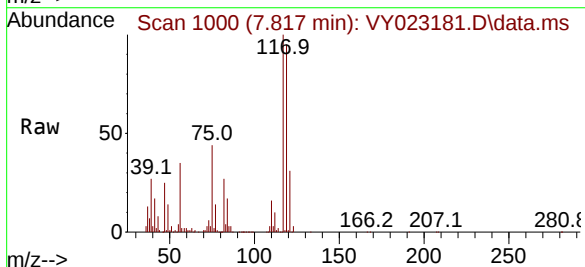
Tgt Ion: 117 Resp: 317448

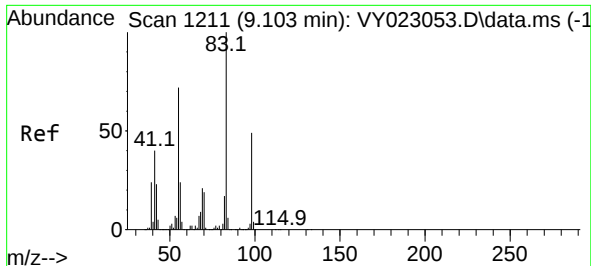
Ion Ratio Lower Upper

117 100

119 95.1 75.6 113.4

121 31.0 25.8 38.8





#39

Methylcyclohexane

Concen: 46.445 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

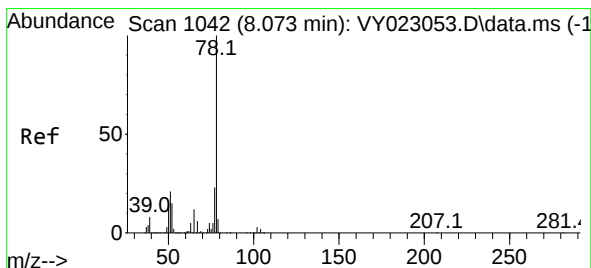
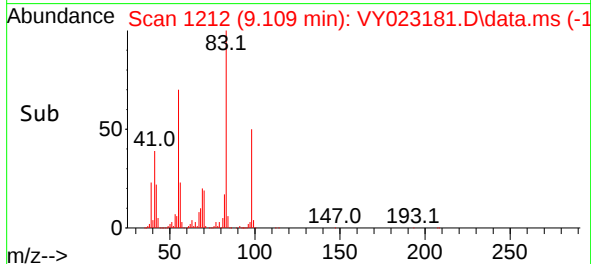
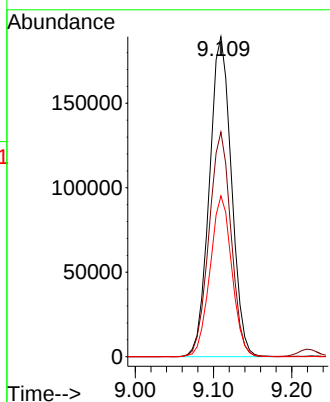
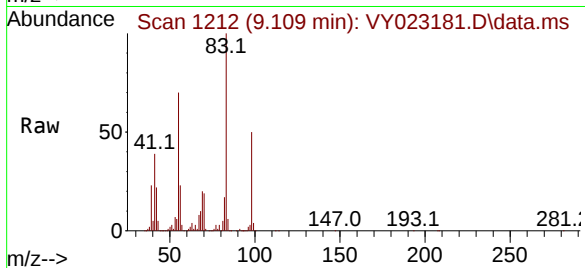
Tgt Ion: 83 Resp: 370443

Ion Ratio Lower Upper

83 100

55 70.2 57.6 86.4

98 50.3 39.2 58.8



#40

Benzene

Concen: 49.434 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023181.D

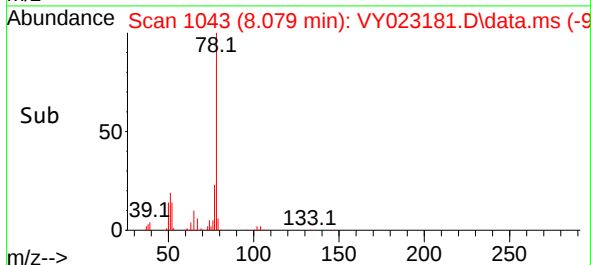
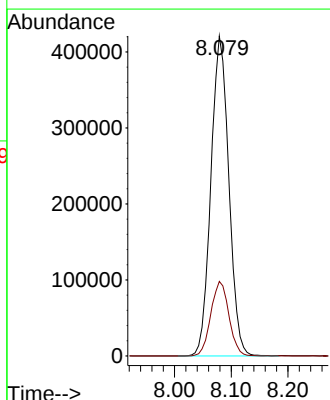
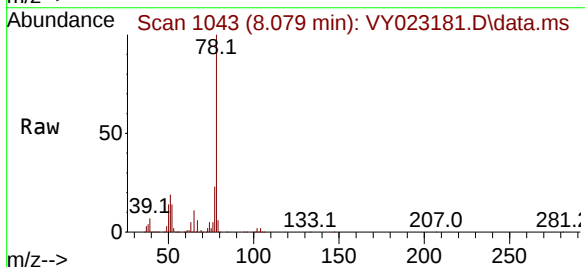
Acq: 20 Aug 2025 17:41

Tgt Ion: 78 Resp: 922826

Ion Ratio Lower Upper

78 100

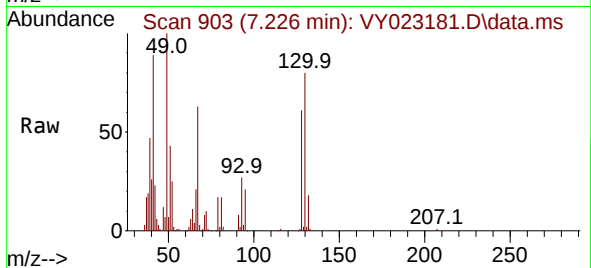
77 23.3 18.6 28.0



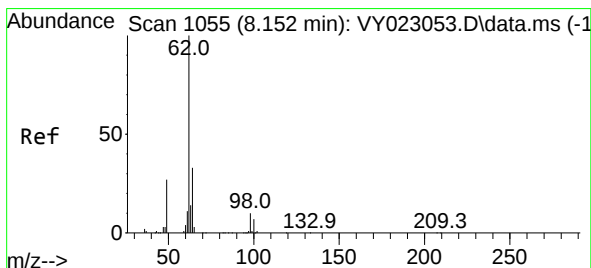
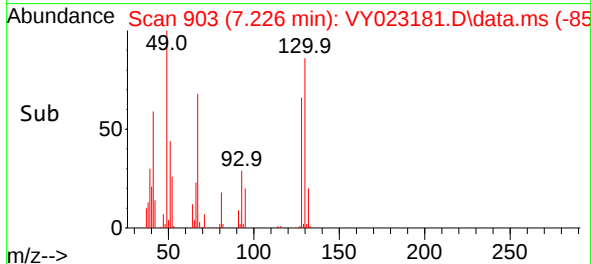
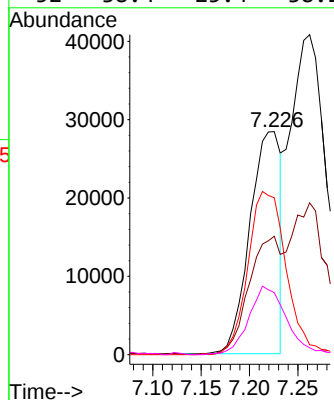


#41
Methacrylonitrile
Concen: 42.710 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :

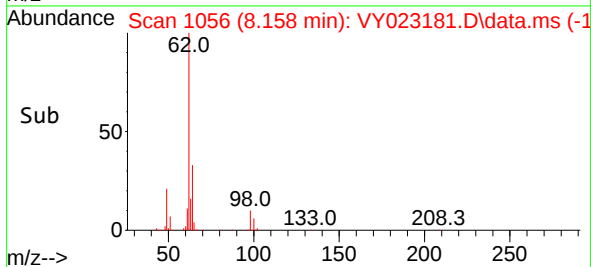
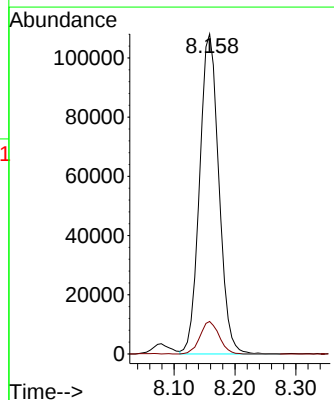
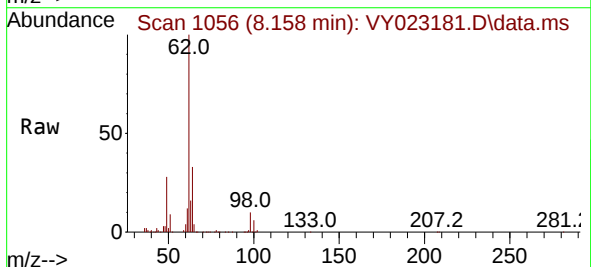


Tgt Ion: 41 Resp: 62713
Ion Ratio Lower Upper
41 100
39 54.0 43.4 65.2
67 91.7 63.6 95.4
52 38.4 25.4 38.2#



#42
1,2-Dichloroethane
Concen: 48.880 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 62 Resp: 237320
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6

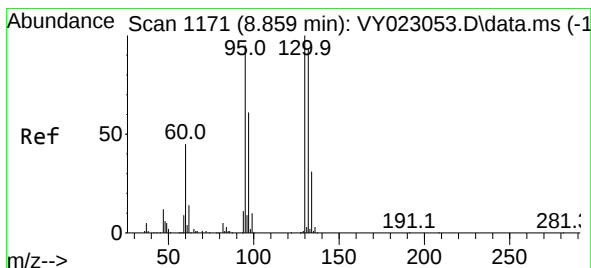
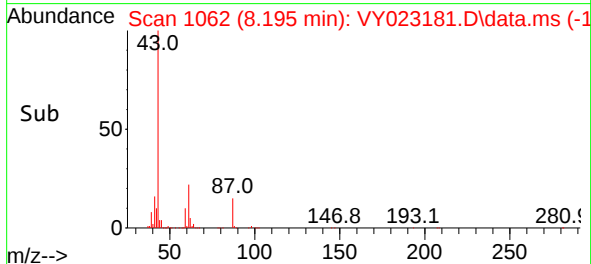
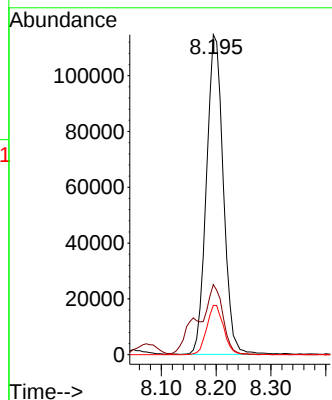
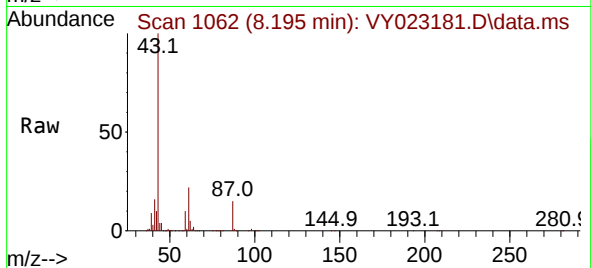




#43
Isopropyl Acetate
Concen: 47.349 ug/l
RT: 8.195 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

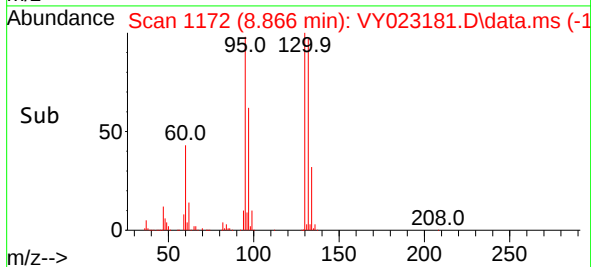
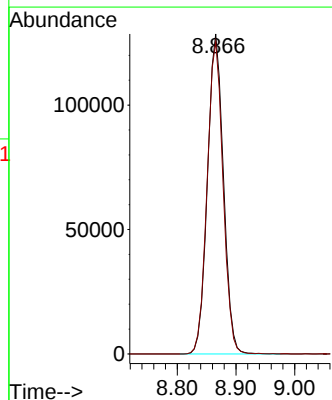
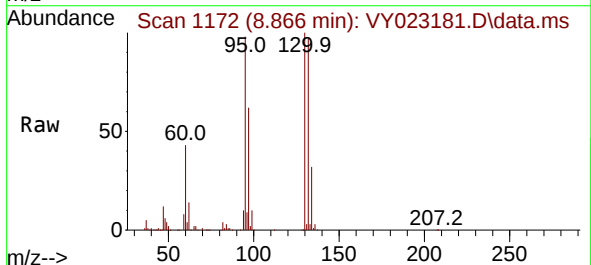
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 243485
Ion Ratio Lower Upper
43 100
61 21.9 16.4 24.6
87 15.6 11.8 17.6



#44
Trichloroethene
Concen: 50.380 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:130 Resp: 243042
Ion Ratio Lower Upper
130 100
95 97.6 0.0 190.2





#45

1,2-Dichloropropane

Concen: 49.651 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

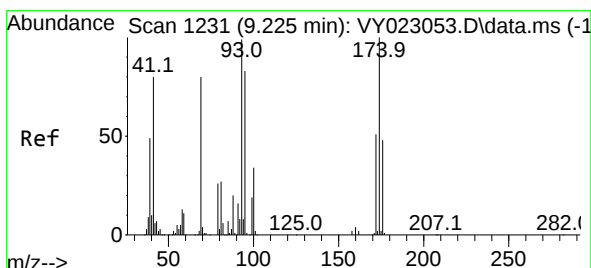
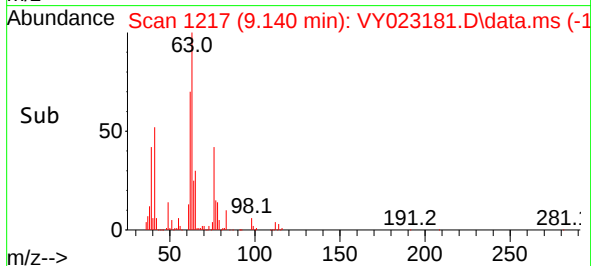
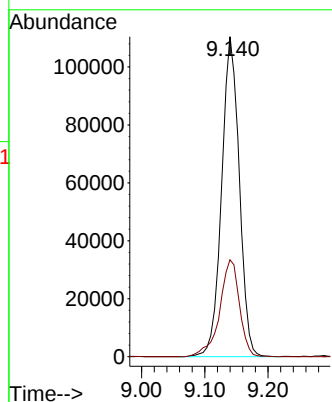
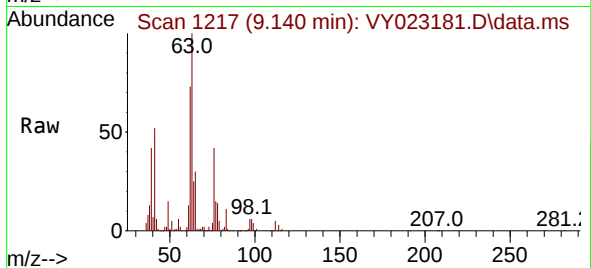
ClientSampleId :

Tgt Ion: 63 Resp: 213263

Ion Ratio Lower Upper

63 100

65 30.3 25.3 37.9



#46

Dibromomethane

Concen: 51.057 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

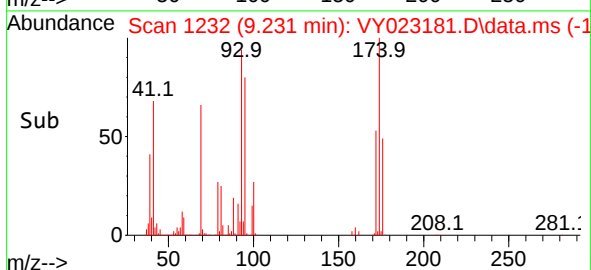
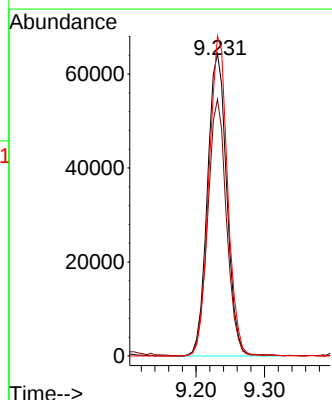
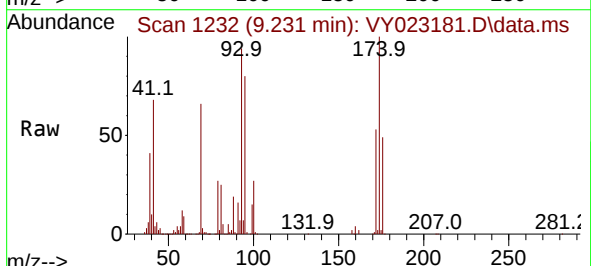
Tgt Ion: 93 Resp: 125873

Ion Ratio Lower Upper

93 100

95 82.5 66.5 99.7

174 102.2 81.8 122.8

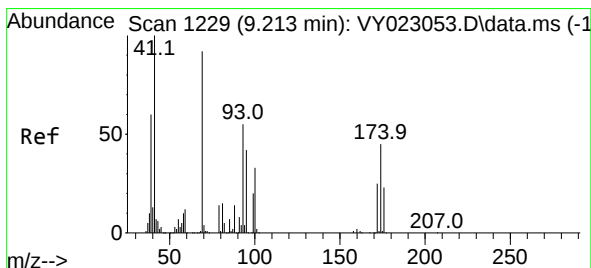
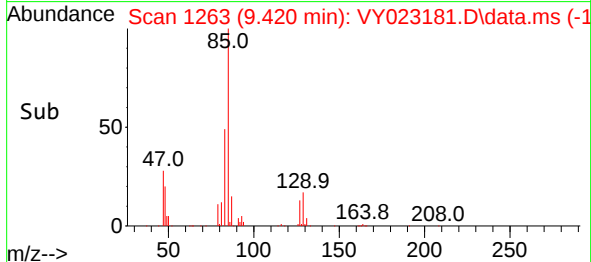
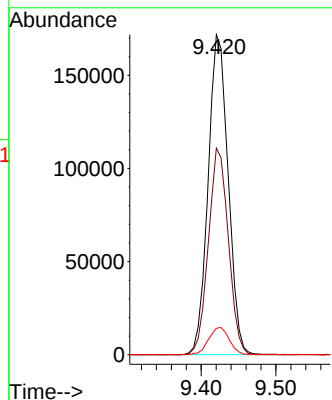
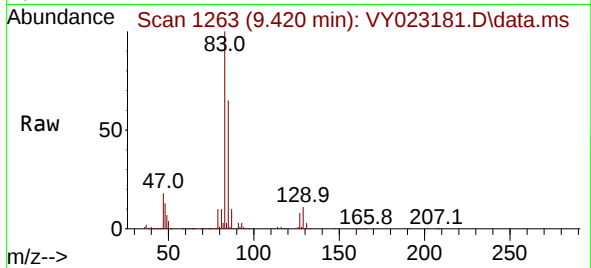




#47
Bromodichloromethane
Concen: 50.434 ug/l
RT: 9.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

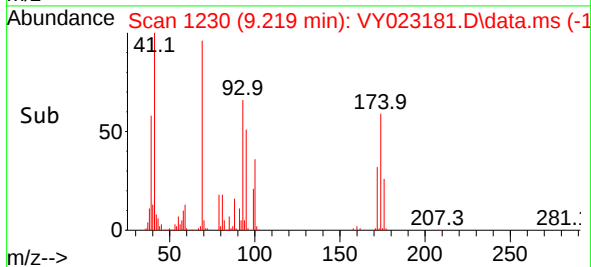
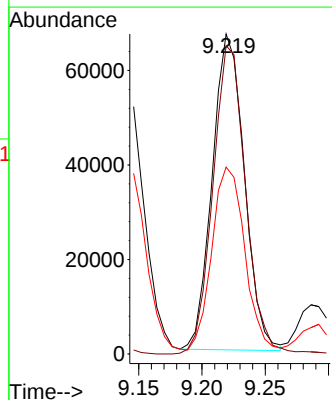
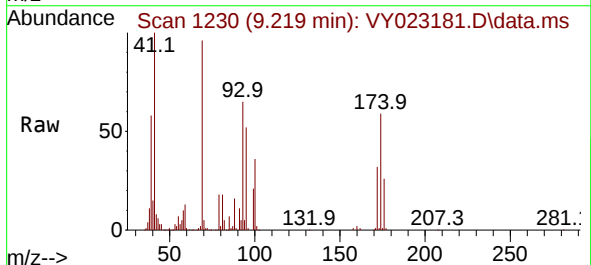
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 319939
Ion Ratio Lower Upper
83 100
85 64.6 50.2 75.4
127 8.2 6.6 10.0



#48
Methyl methacrylate
Concen: 47.928 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 41 Resp: 117938
Ion Ratio Lower Upper
41 100
69 99.5 73.2 109.8
39 59.2 47.0 70.4





#49

1,4-Dioxane

Concen: 1025.325 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

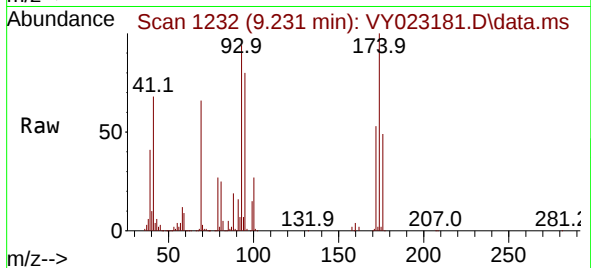
Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :



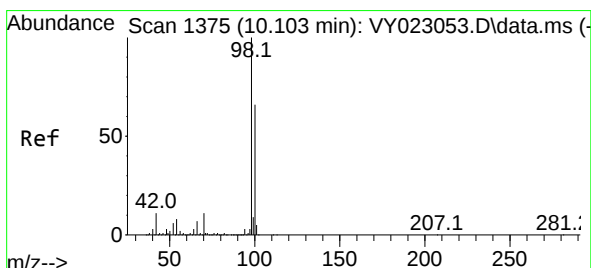
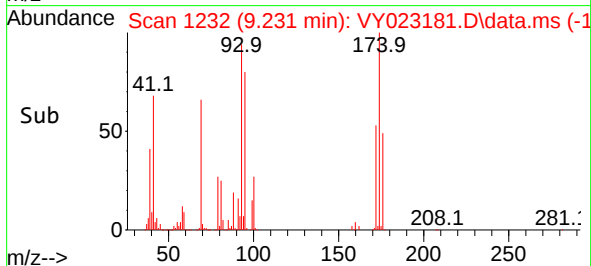
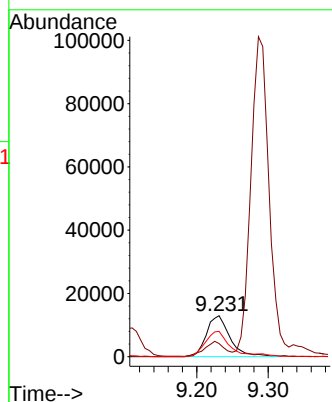
Tgt Ion: 88 Resp: 29639

Ion Ratio Lower Upper

88 100

43 30.0 24.3 36.5

58 66.8 55.4 83.0



#50

Toluene-d8

Concen: 50.496 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023181.D

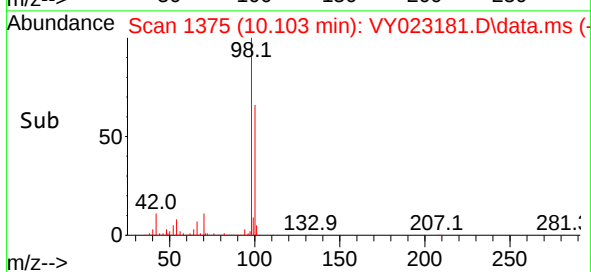
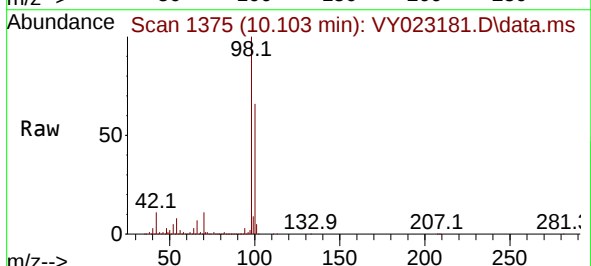
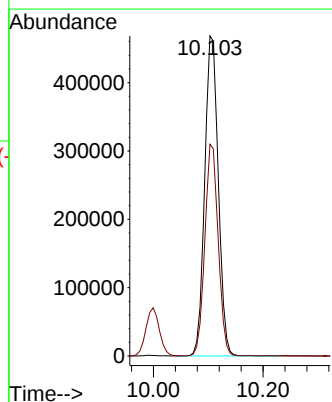
Acq: 20 Aug 2025 17:41

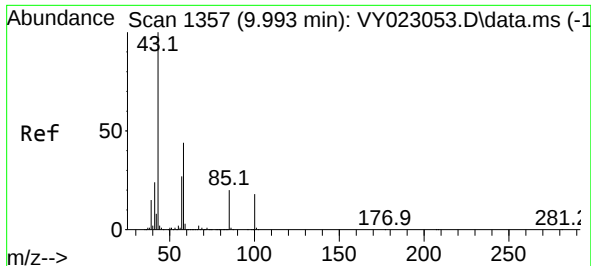
Tgt Ion: 98 Resp: 803956

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

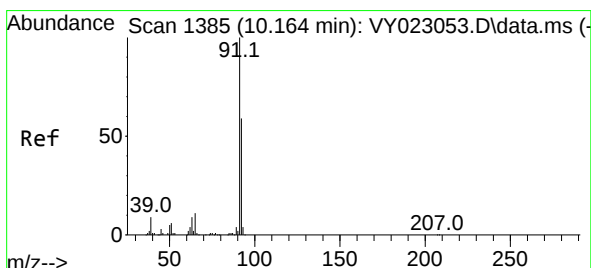
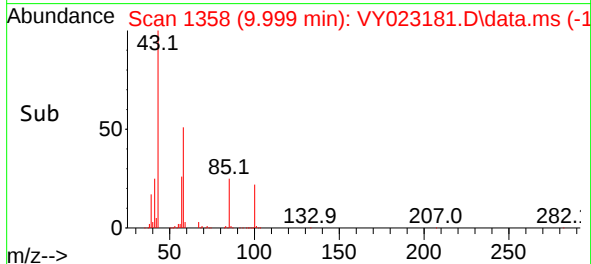
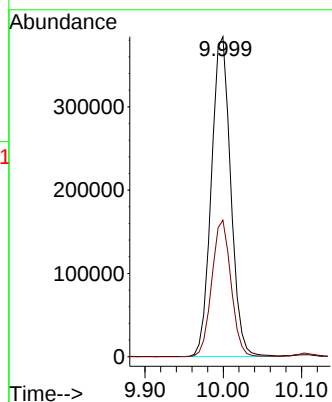
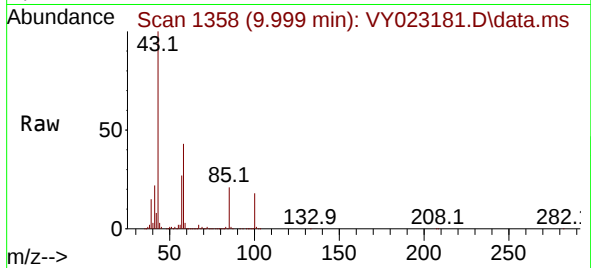




#51
4-Methyl-2-Pentanone
Concen: 248.855 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

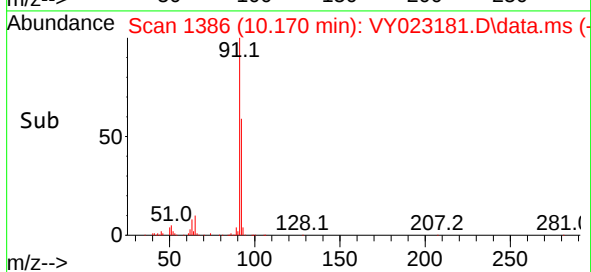
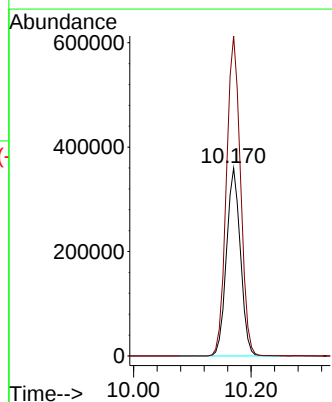
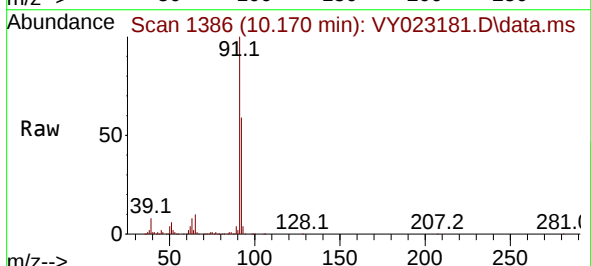
Instrument :
MSVOA_Y
ClientSampleId :

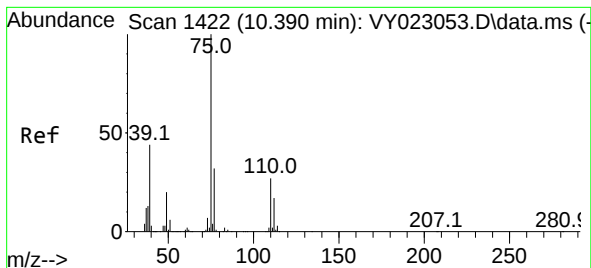
Tgt Ion: 43 Resp: 660107
Ion Ratio Lower Upper
43 100
58 42.4 33.5 50.3



#52
Toluene
Concen: 49.880 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 92 Resp: 591391
Ion Ratio Lower Upper
92 100
91 172.4 136.4 204.6

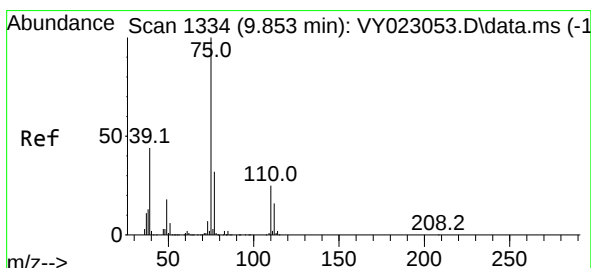
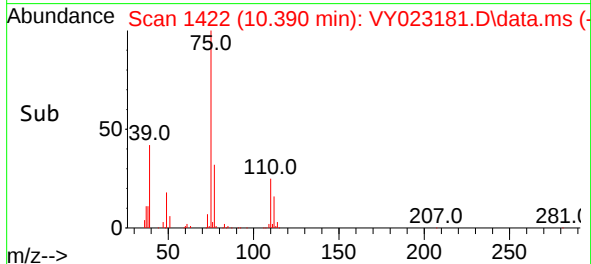
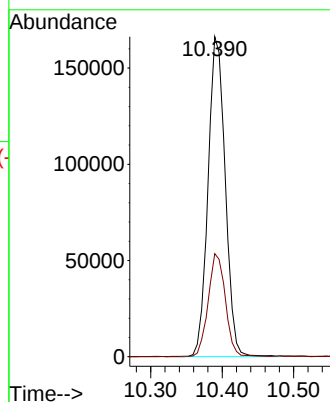
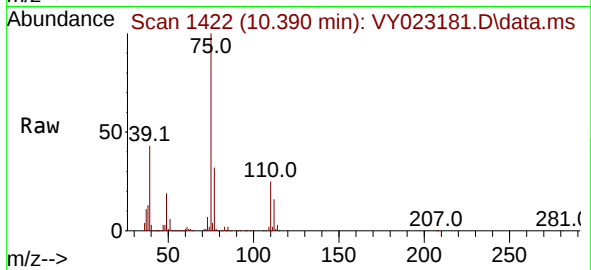




#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

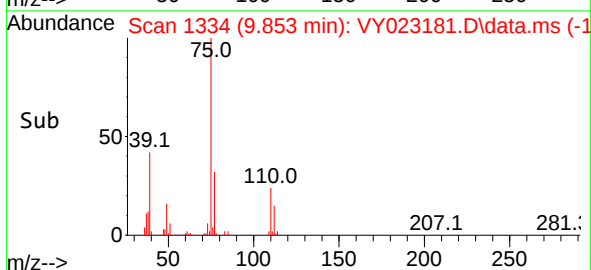
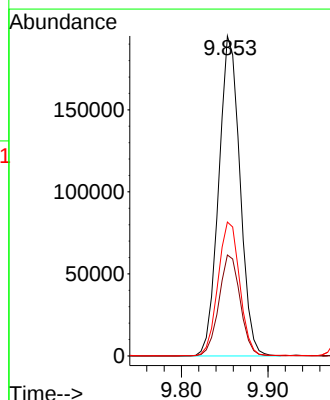
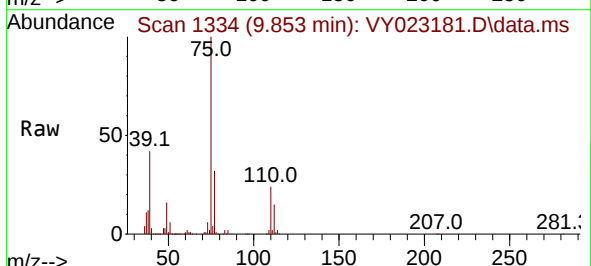
Instrument :
MSVOA_Y
ClientSampleId :

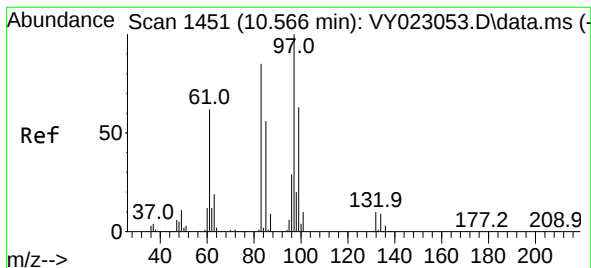
Tgt Ion: 75 Resp: 277440
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 48.898 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 332155
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 41.8 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 50.825 ug/l

RT: 10.573 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 167667

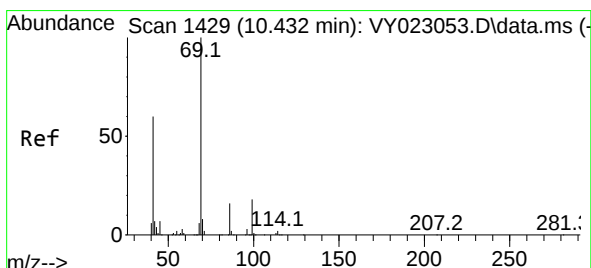
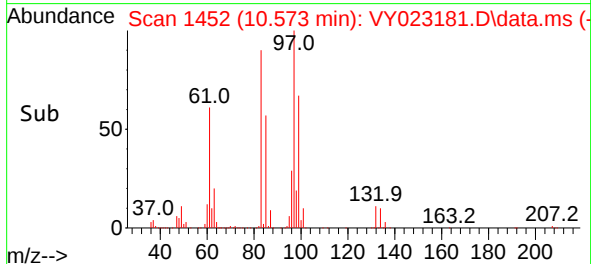
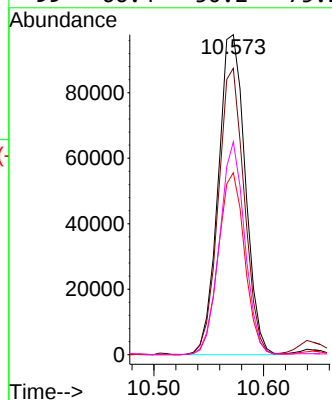
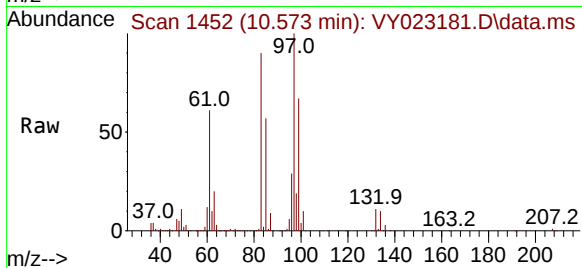
Ion Ratio Lower Upper

97 100

83 89.5 67.7 101.5

85 56.8 44.5 66.7

99 66.4 50.2 75.2



#56

Ethyl methacrylate

Concen: 50.756 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

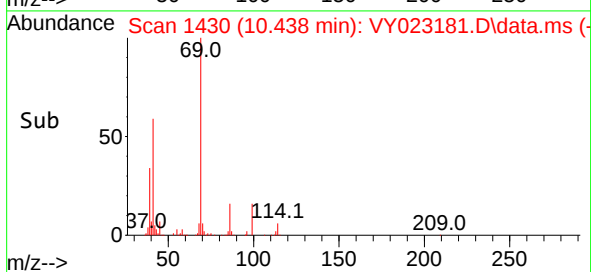
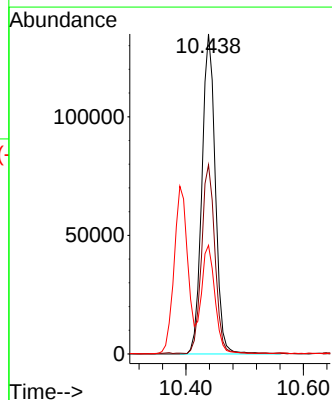
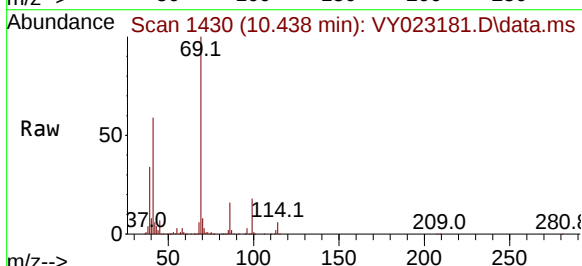
Tgt Ion: 69 Resp: 214252

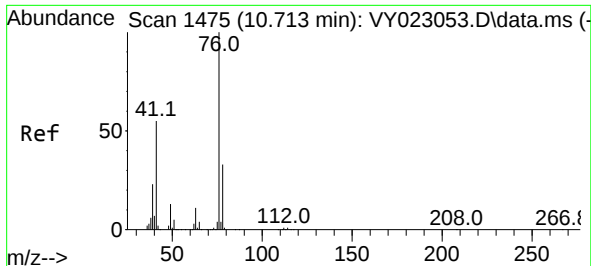
Ion Ratio Lower Upper

69 100

41 58.6 48.6 72.8

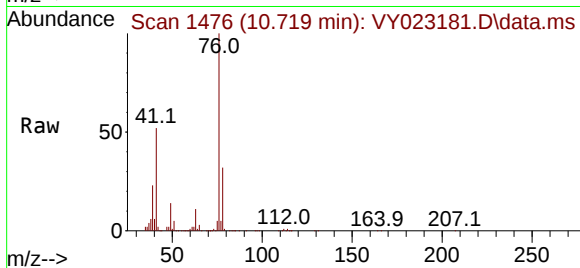
39 34.1 27.0 40.4



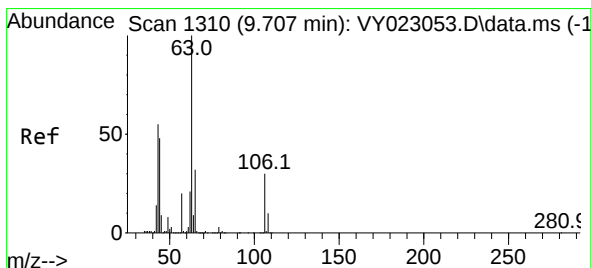
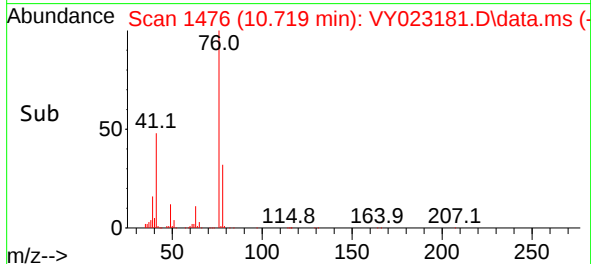
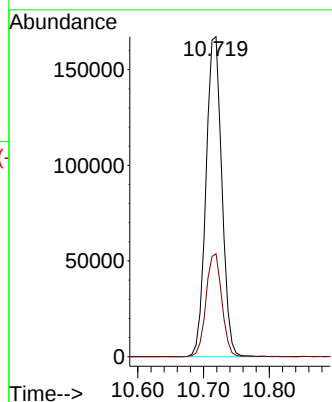


#57
1,3-Dichloropropane
Concen: 50.056 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Instrument :
MSVOA_Y
ClientSampleId :

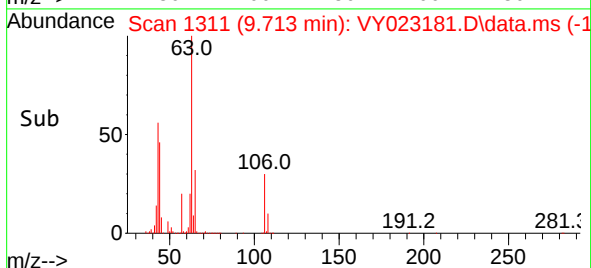
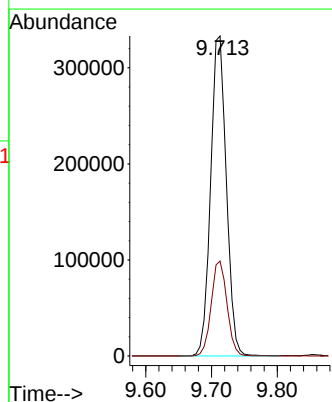
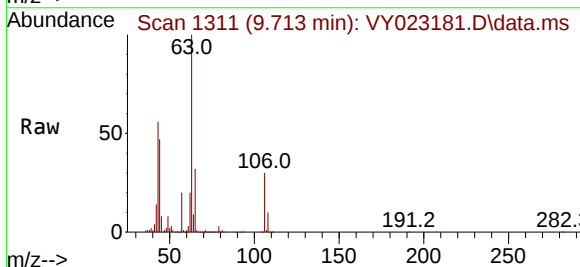


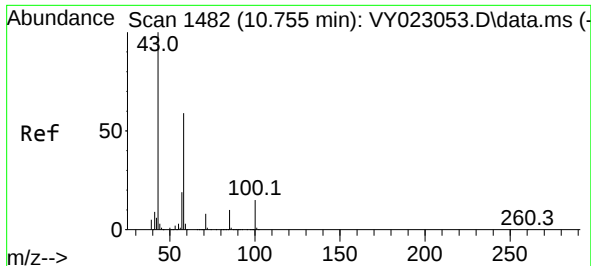
Tgt Ion: 76 Resp: 280045
Ion Ratio Lower Upper
76 100
78 32.2 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 278.196 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 63 Resp: 553935
Ion Ratio Lower Upper
63 100
106 29.7 23.2 34.8

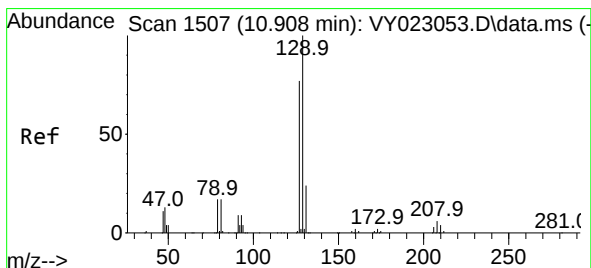
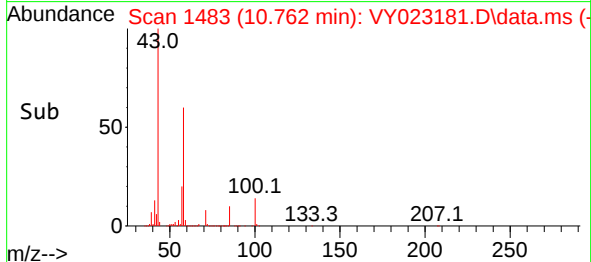
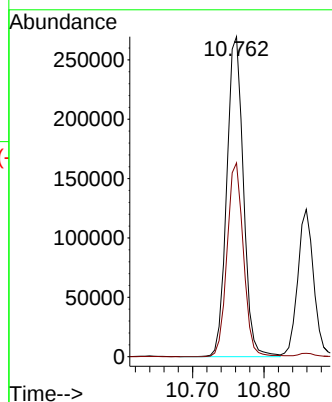
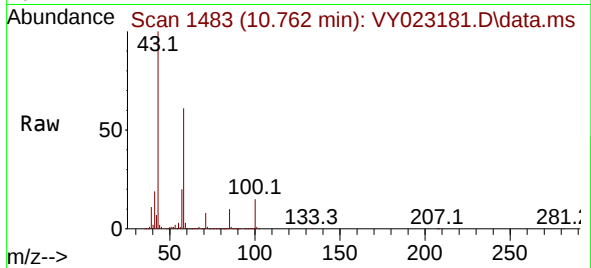




#59
2-Hexanone
Concen: 240.731 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

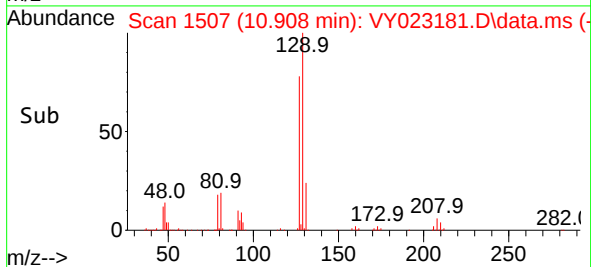
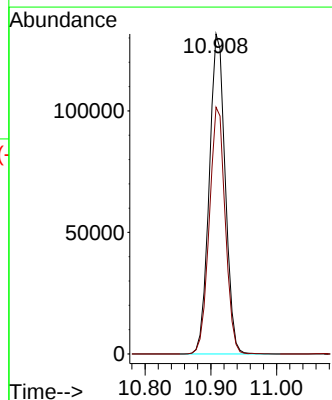
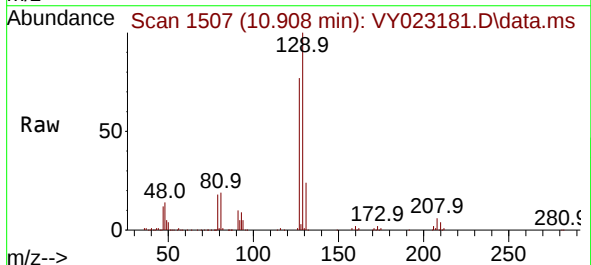
Instrument :
MSVOA_Y
ClientSampleId :

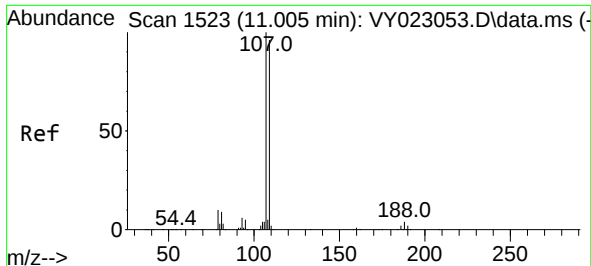
Tgt Ion: 43 Resp: 434814
Ion Ratio Lower Upper
43 100
58 59.7 29.5 88.5



#60
Dibromochloromethane
Concen: 50.987 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 129 Resp: 221938
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

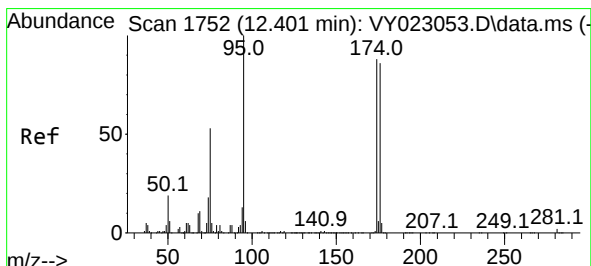
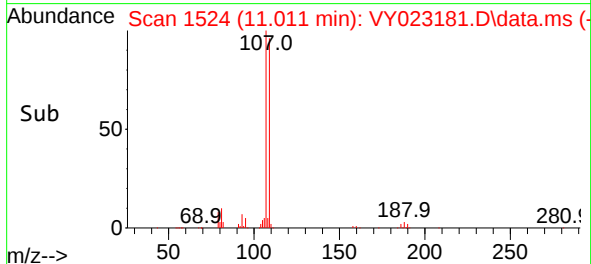
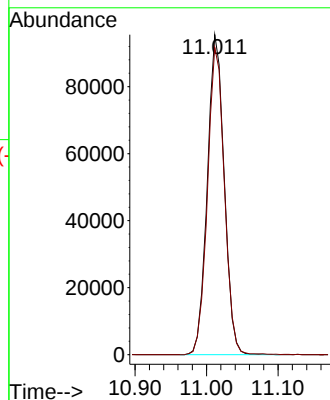
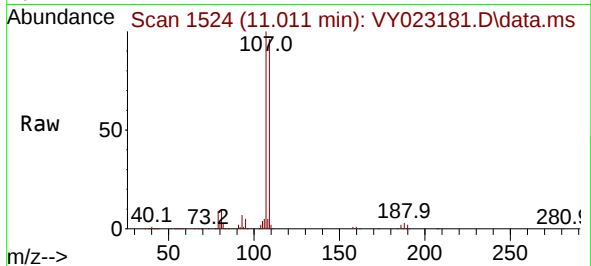




#61
1,2-Dibromoethane
Concen: 50.486 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

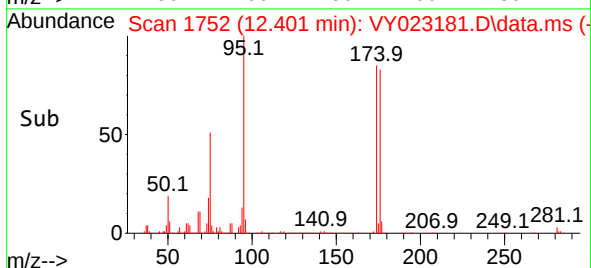
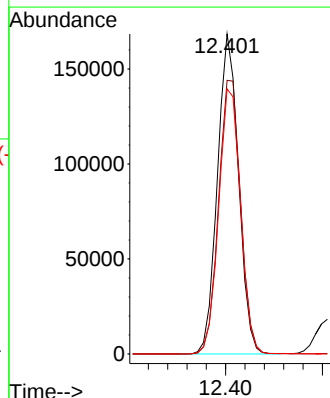
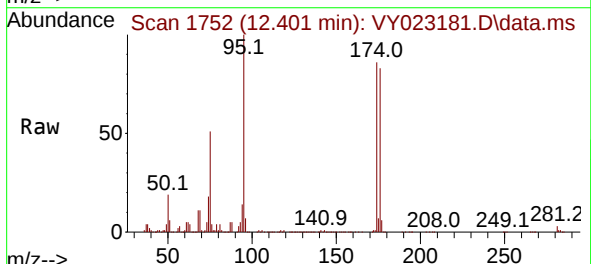
Instrument :
MSVOA_Y
ClientSampleId :

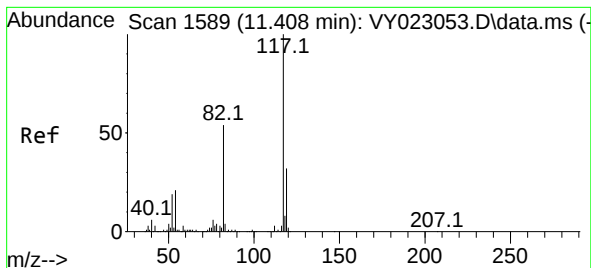
Tgt Ion:107 Resp: 156537
Ion Ratio Lower Upper
107 100
109 96.4 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.709 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 95 Resp: 254520
Ion Ratio Lower Upper
95 100
174 89.4 0.0 171.6
176 86.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

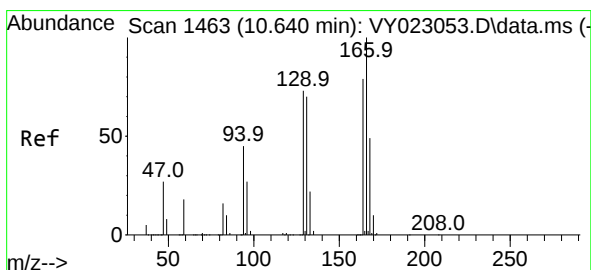
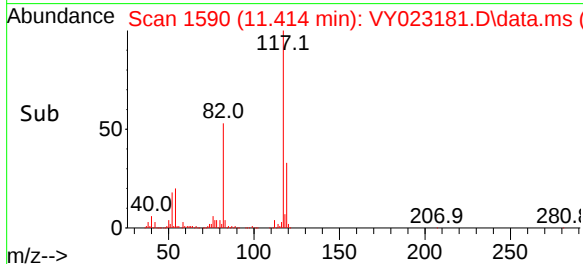
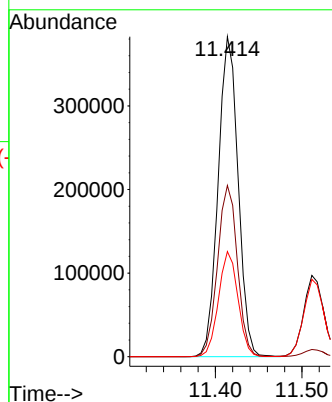
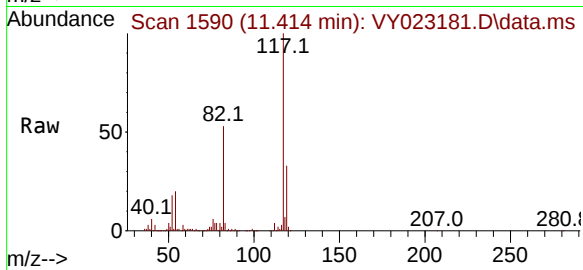
Tgt Ion:117 Resp: 612955

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.9 25.6 38.4



#64

Tetrachloroethene

Concen: 53.771 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Tgt Ion:164 Resp: 294304

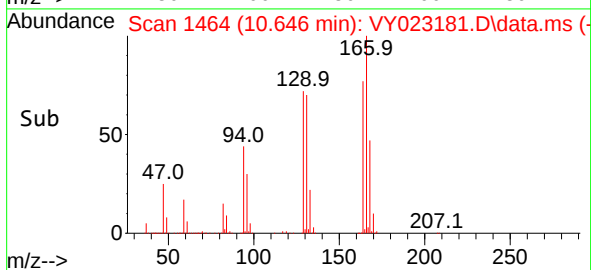
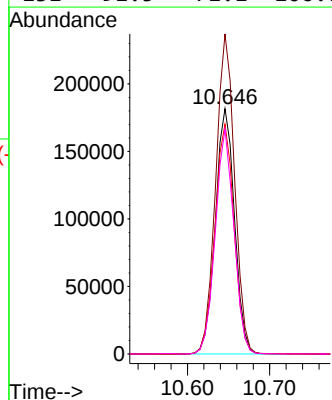
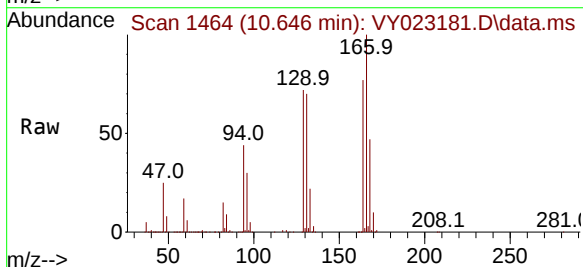
Ion Ratio Lower Upper

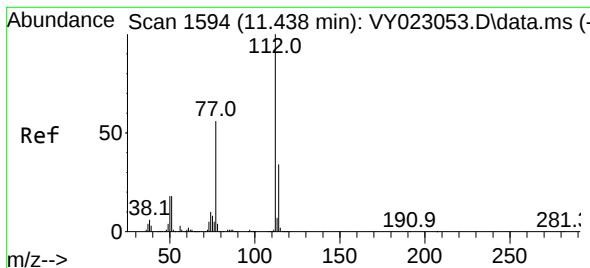
164 100

166 130.4 101.1 151.7

129 93.6 74.0 111.0

131 91.5 71.1 106.7





#65

Chlorobenzene

Concen: 49.109 ug/l

RT: 11.438 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

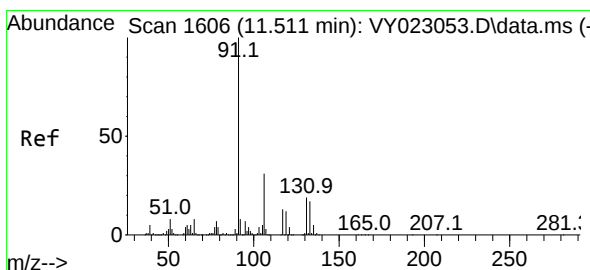
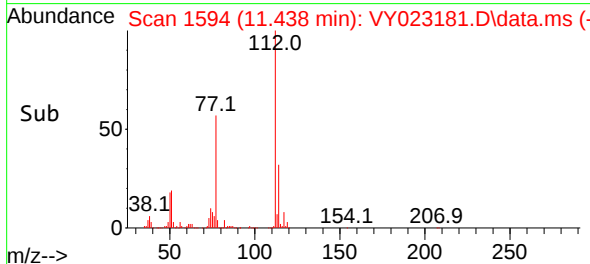
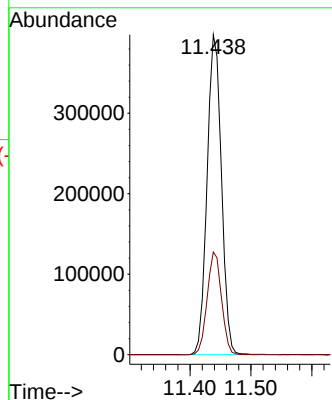
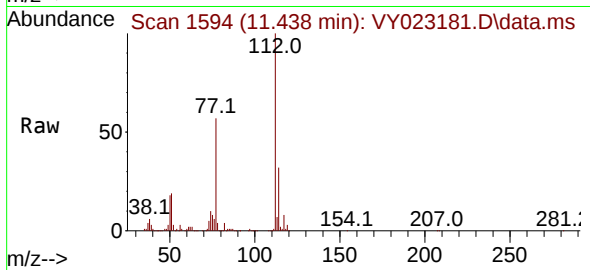
ClientSampleId :

Tgt Ion:112 Resp: 649300

Ion Ratio Lower Upper

112 100

114 32.1 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 49.973 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

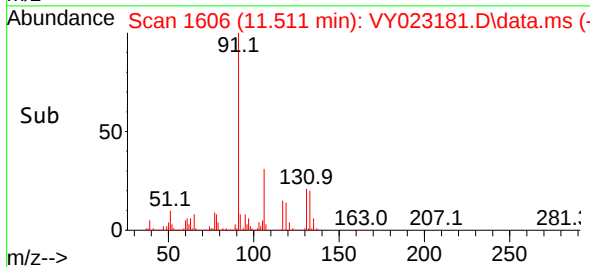
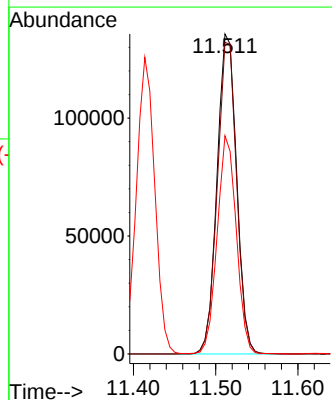
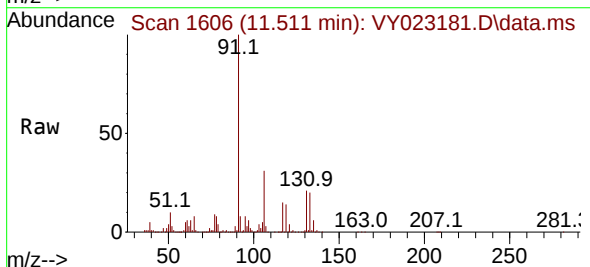
Tgt Ion:131 Resp: 224242

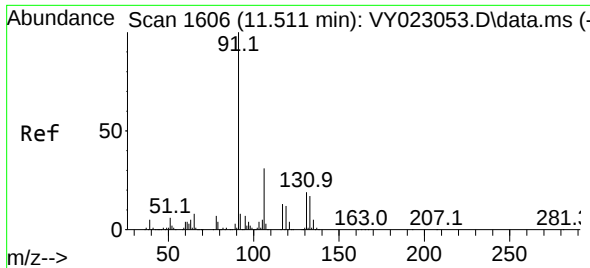
Ion Ratio Lower Upper

131 100

133 96.4 46.9 140.6

119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 48.982 ug/l

RT: 11.517 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

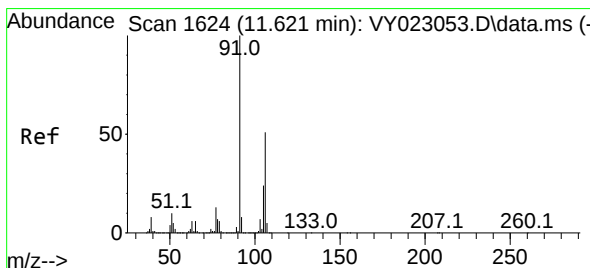
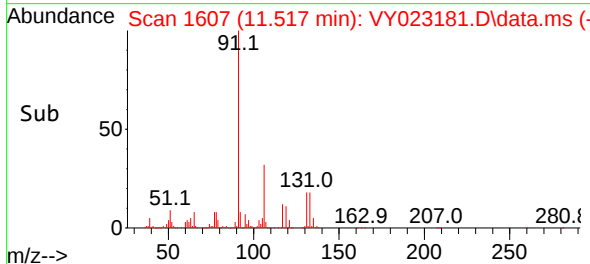
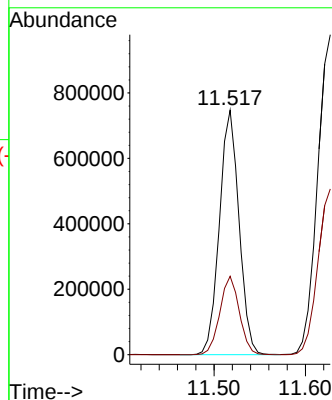
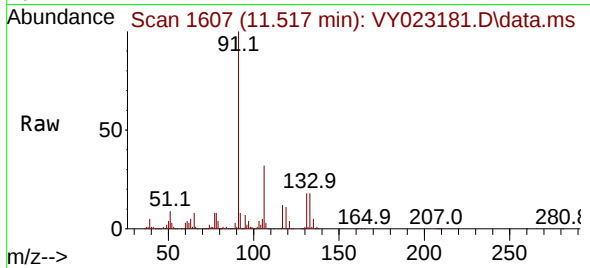
ClientSampleId :

Tgt Ion: 91 Resp: 1114480

Ion Ratio Lower Upper

91 100

106 32.1 25.0 37.4



#68

m/p-Xylenes

Concen: 99.741 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023181.D

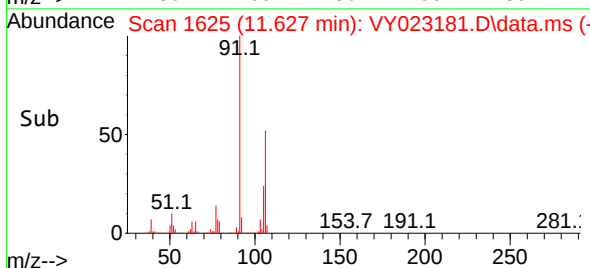
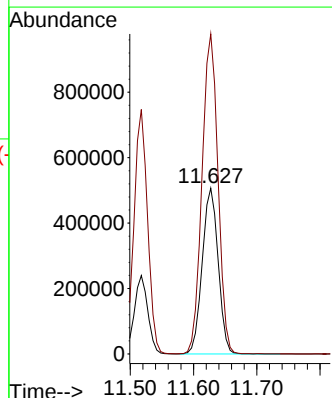
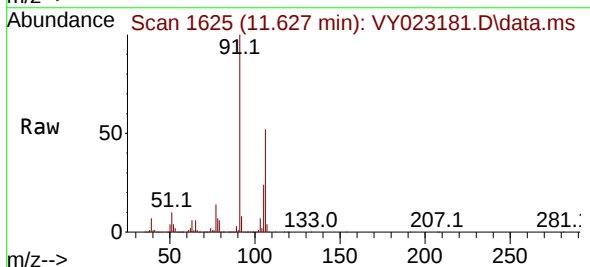
Acq: 20 Aug 2025 17:41

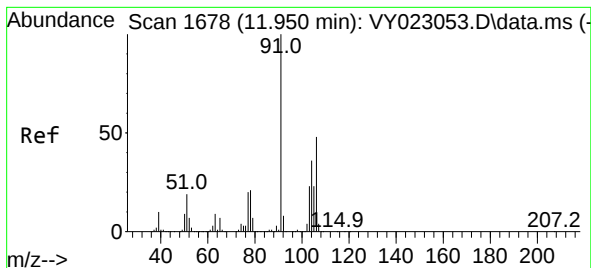
Tgt Ion:106 Resp: 886344

Ion Ratio Lower Upper

106 100

91 193.7 158.6 238.0

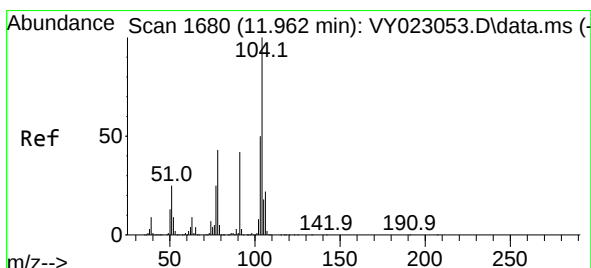
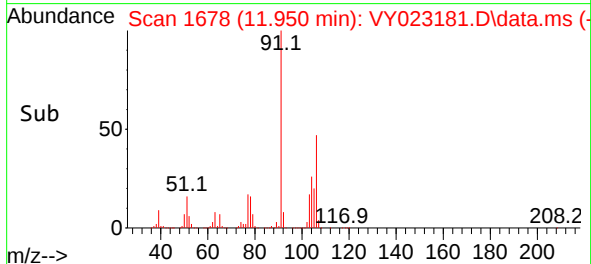
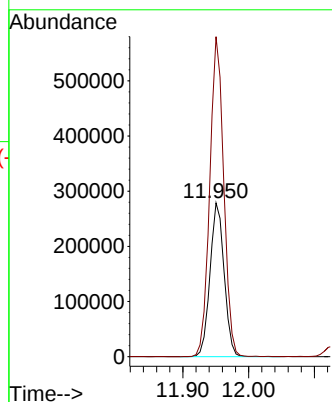
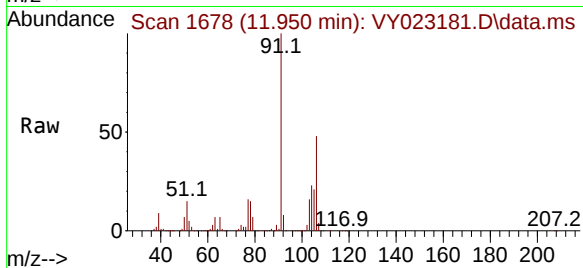




#69
o-Xylene
Concen: 49.995 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

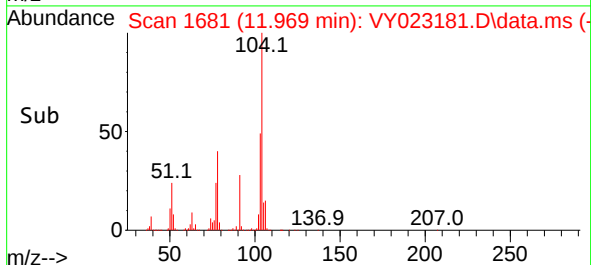
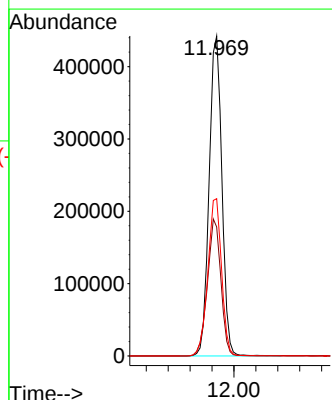
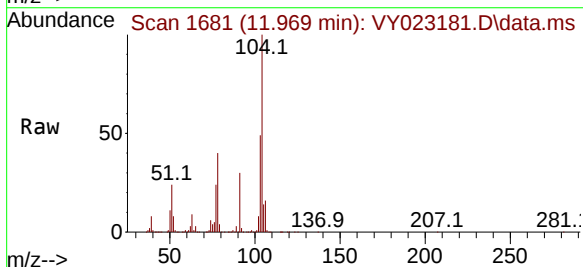
Instrument :
MSVOA_Y
ClientSampleId :

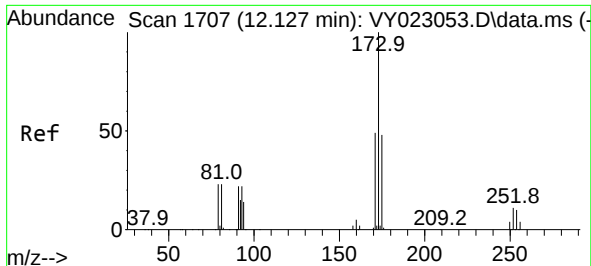
Tgt Ion:106 Resp: 416104
Ion Ratio Lower Upper
106 100
91 206.0 103.2 309.4



#70
Styrene
Concen: 52.202 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:104 Resp: 710534
Ion Ratio Lower Upper
104 100
78 45.3 38.5 57.7
103 52.9 43.7 65.5

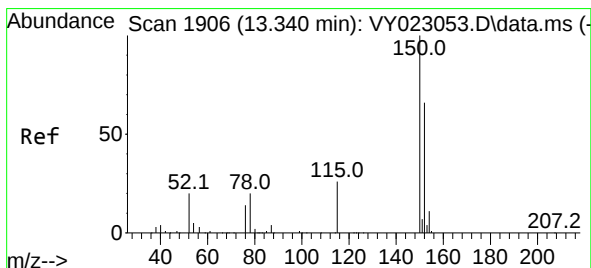
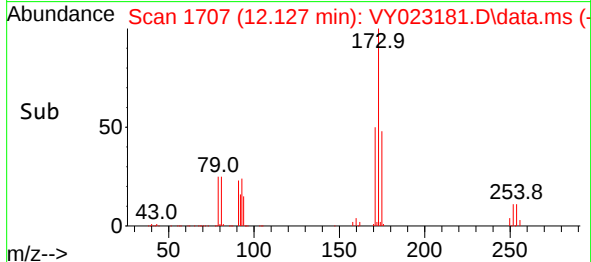
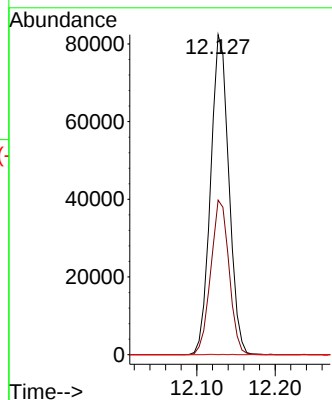
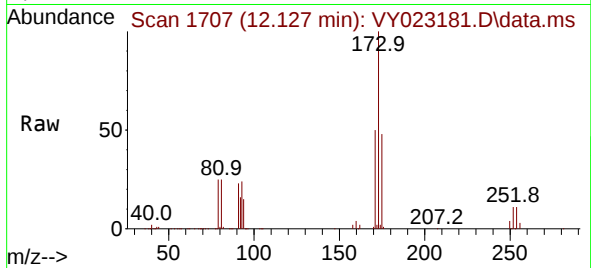




#71
Bromoform
Concen: 50.729 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

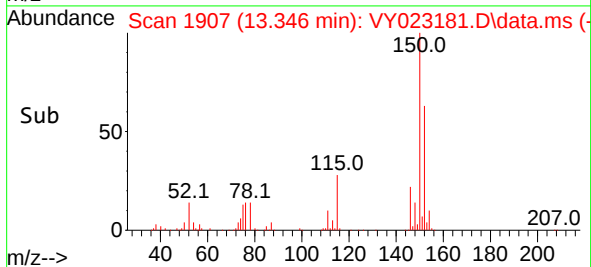
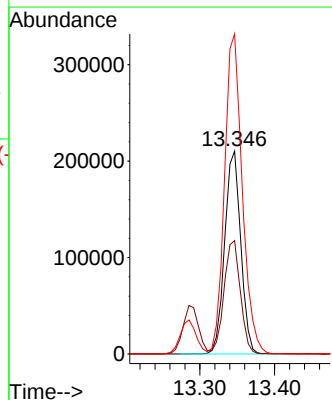
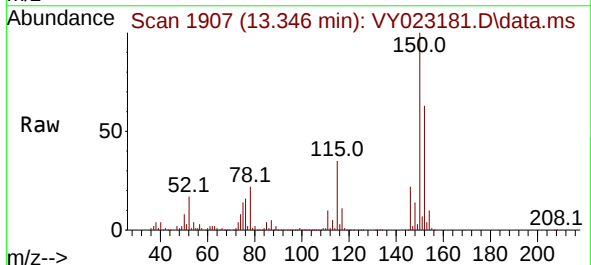
Instrument :
MSVOA_Y
ClientSampleId :

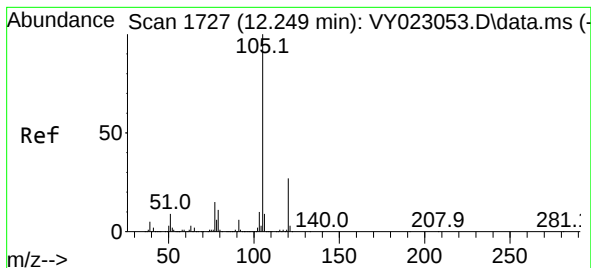
Tgt Ion:173 Resp: 133042
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.7
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:152 Resp: 314994
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.6
150 173.8 0.0 348.0





#73

Isopropylbenzene

Concen: 47.807 ug/l

RT: 12.249 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

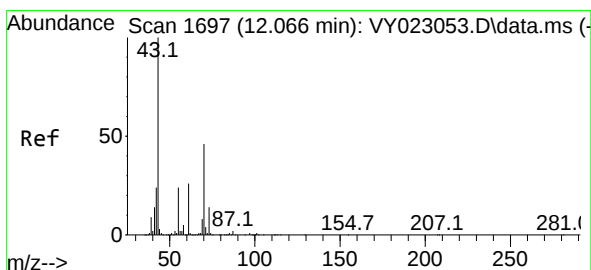
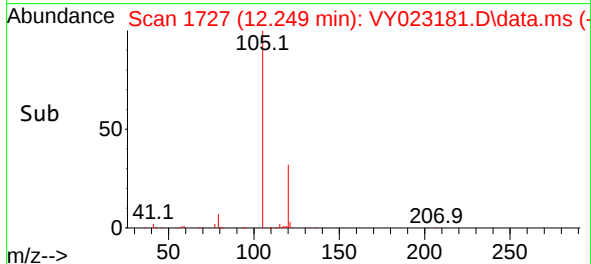
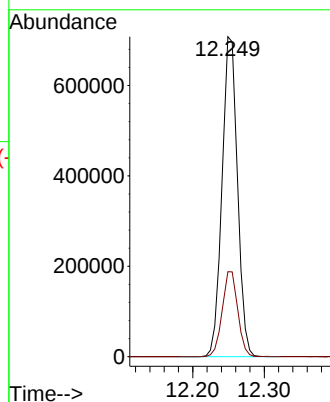
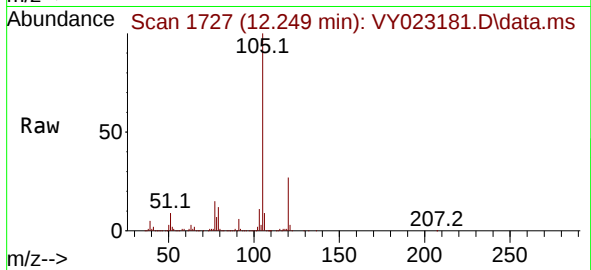
ClientSampleId :

Tgt Ion:105 Resp: 1062843

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 45.570 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Tgt Ion: 43 Resp: 214847

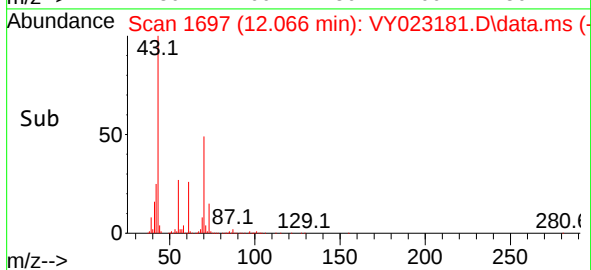
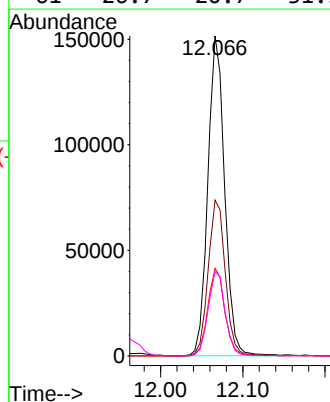
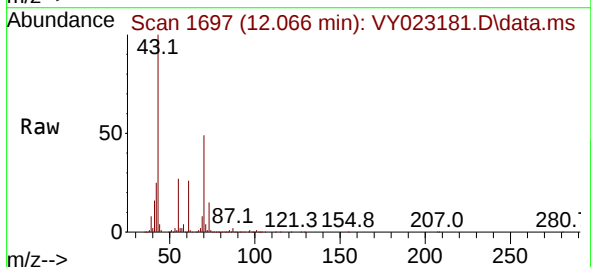
Ion Ratio Lower Upper

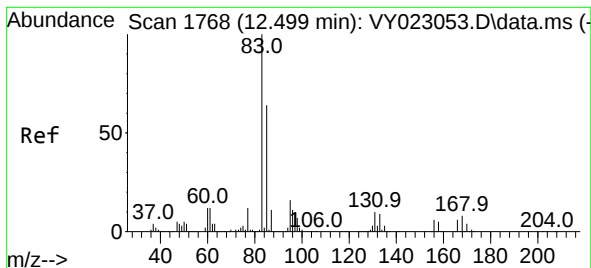
43 100

70 50.0 37.5 56.3

55 28.0 20.7 31.1

61 26.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.136 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

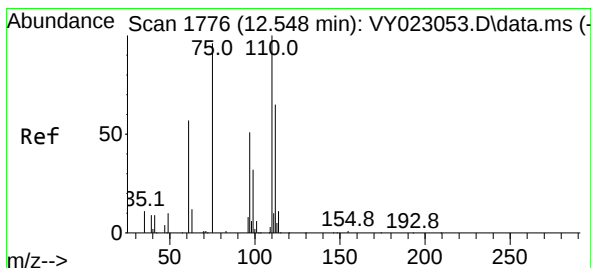
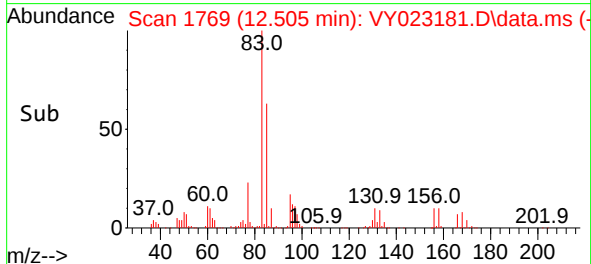
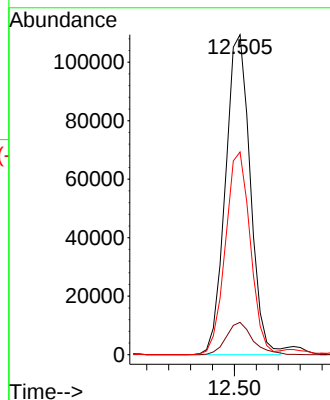
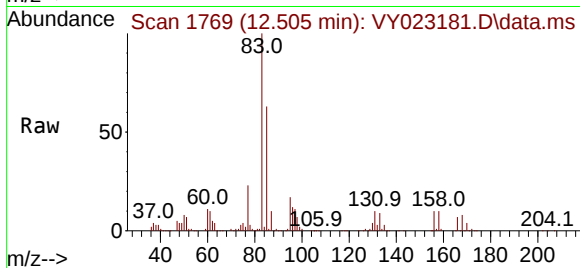
Tgt Ion: 83 Resp: 171339

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.3

85 64.1 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 77.862 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023181.D

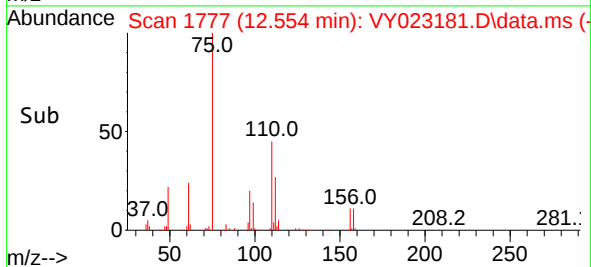
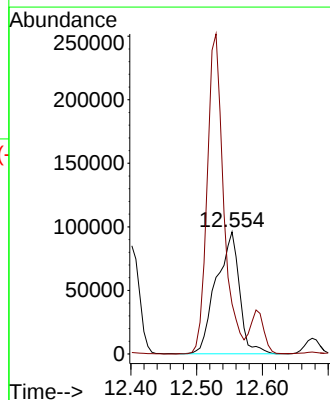
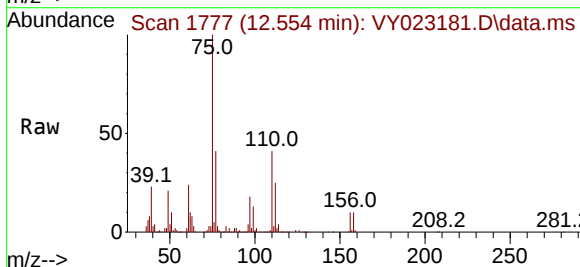
Acq: 20 Aug 2025 17:41

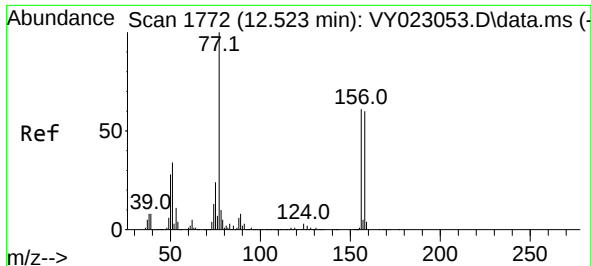
Tgt Ion: 75 Resp: 236703

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

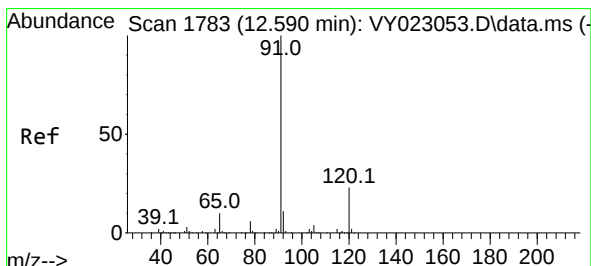
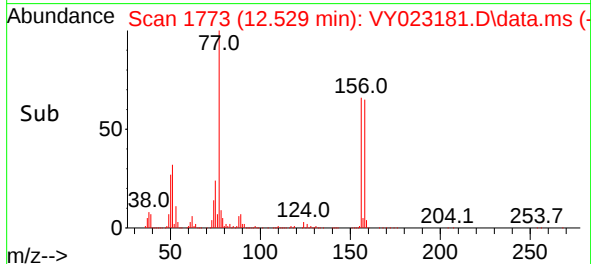
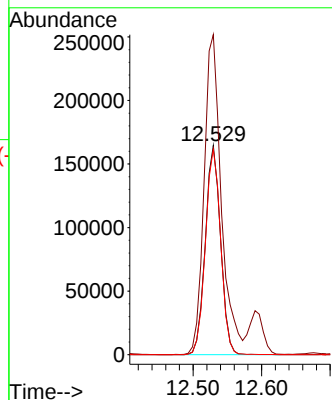
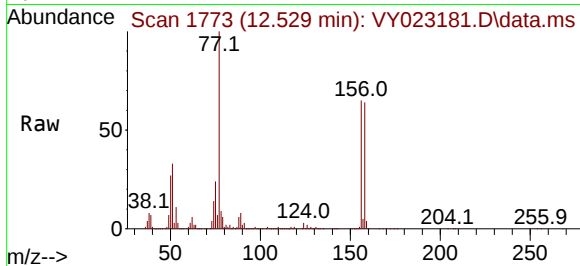




#77
Bromobenzene
Concen: 48.103 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

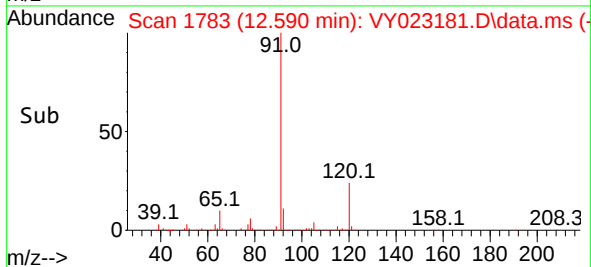
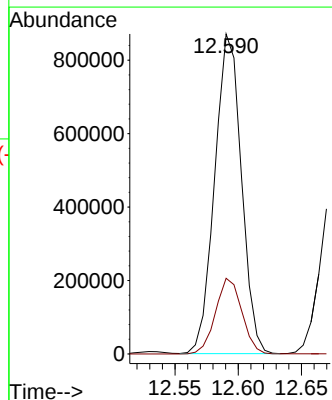
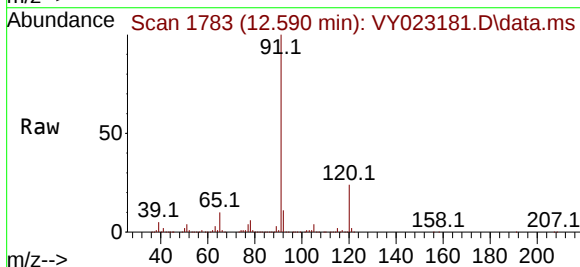
Instrument :
MSVOA_Y
ClientSampleId :

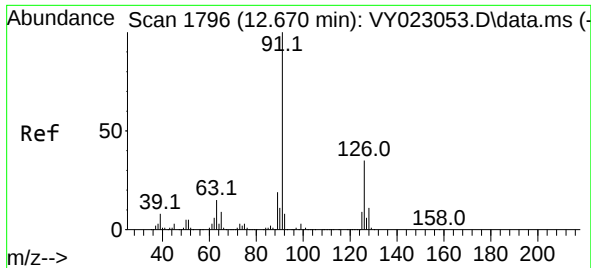
Tgt Ion	Ratio	Lower	Upper
156	100		
77	172.8	88.1	264.4
158	98.6	48.0	144.0



#78
n-propylbenzene
Concen: 48.193 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5

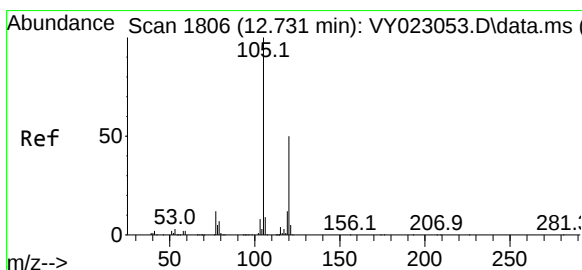
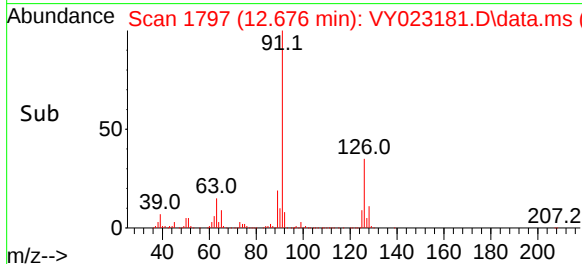
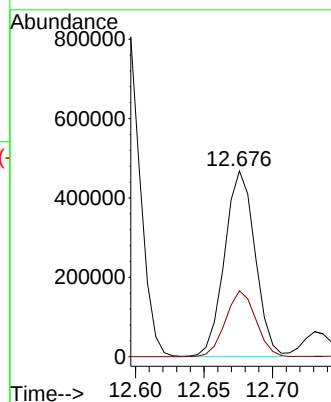
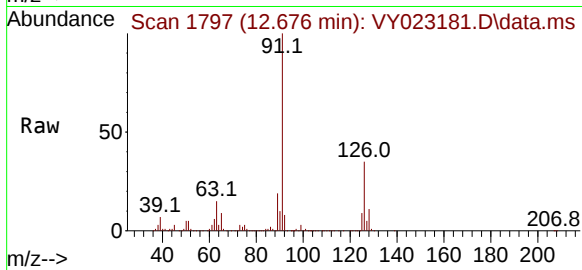




#79
2-Chlorotoluene
Concen: 47.740 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

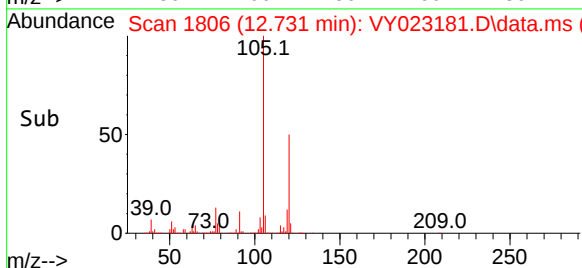
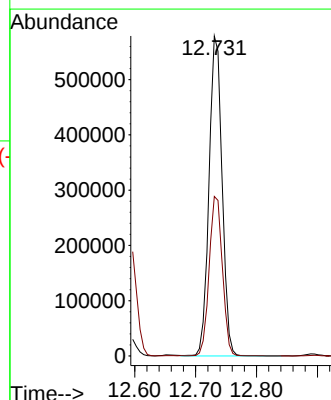
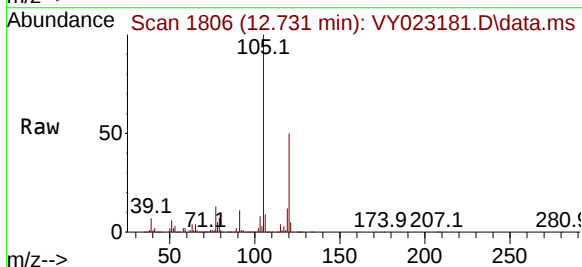
Instrument :
MSVOA_Y
ClientSampleId :

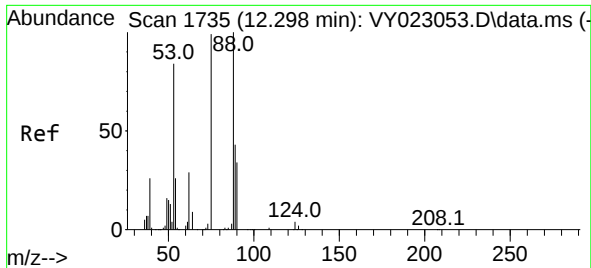
Tgt Ion: 91 Resp: 723999
Ion Ratio Lower Upper
91 100
126 35.3 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 47.993 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 105 Resp: 862323
Ion Ratio Lower Upper
105 100
120 50.3 24.8 74.4

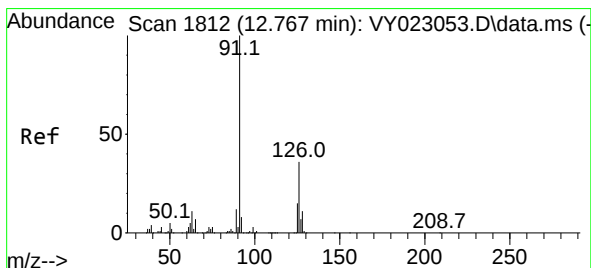
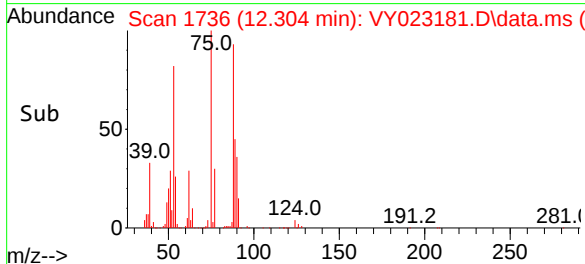
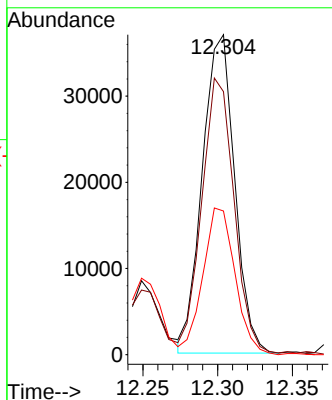
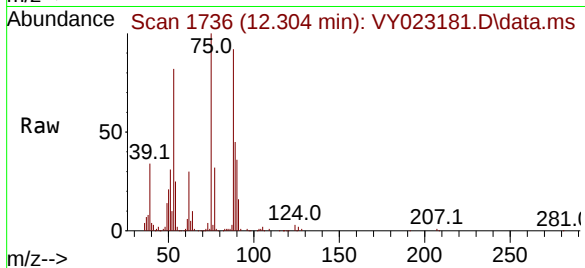




#81
trans-1,4-Dichloro-2-butene
Concen: 44.210 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

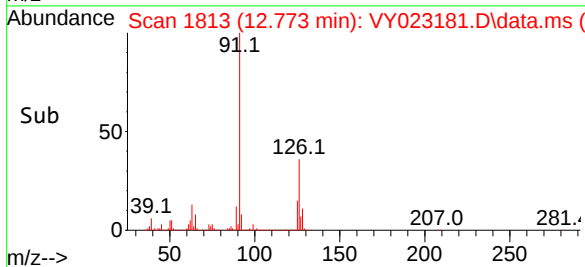
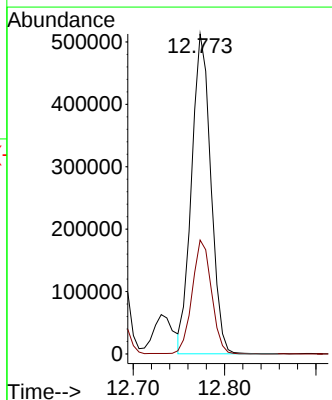
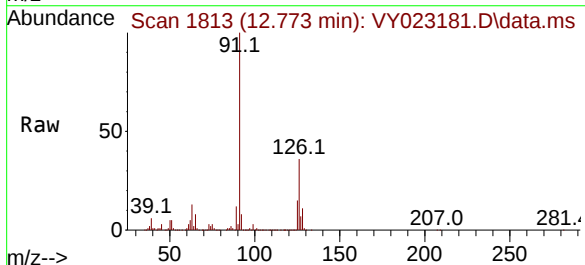
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 55521
Ion Ratio Lower Upper
75 100
53 86.2 70.8 106.2
89 46.1 38.1 57.1



#82
4-Chlorotoluene
Concen: 47.598 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 91 Resp: 748821
Ion Ratio Lower Upper
91 100
126 35.9 17.3 52.0





#83

tert-Butylbenzene

Concen: 48.102 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

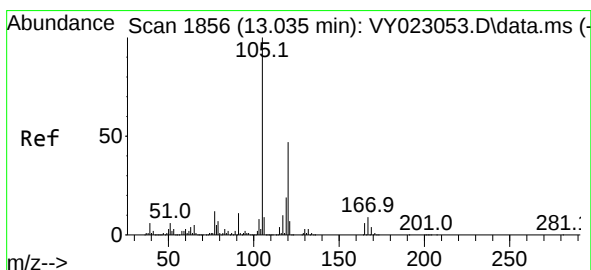
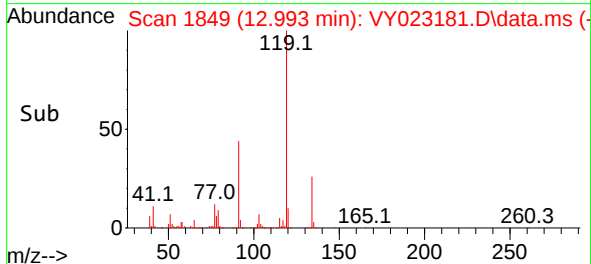
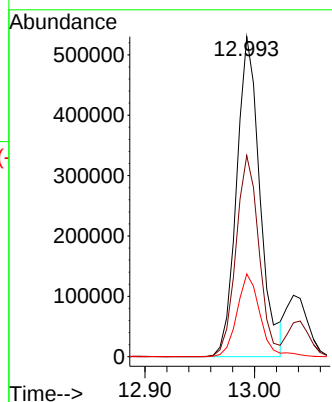
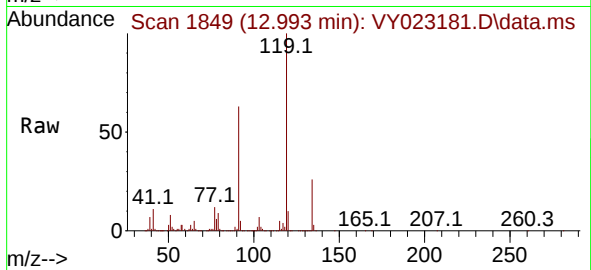
Tgt Ion:119 Resp: 780594

Ion Ratio Lower Upper

119 100

91 62.1 31.6 94.8

134 25.7 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 48.604 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023181.D

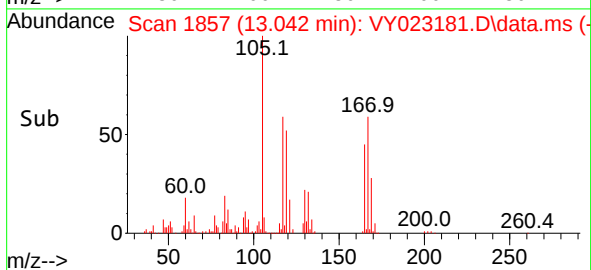
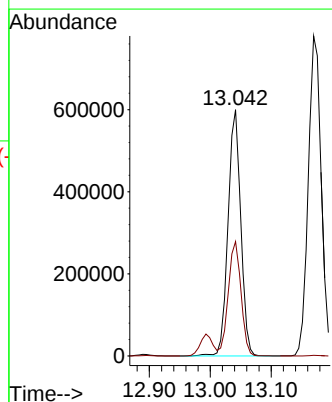
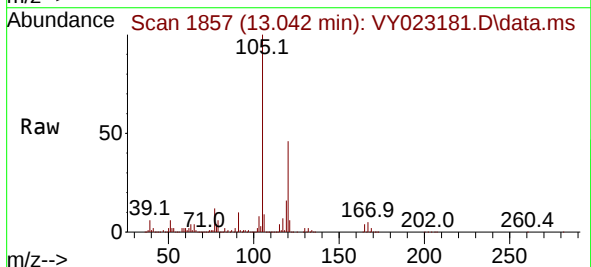
Acq: 20 Aug 2025 17:41

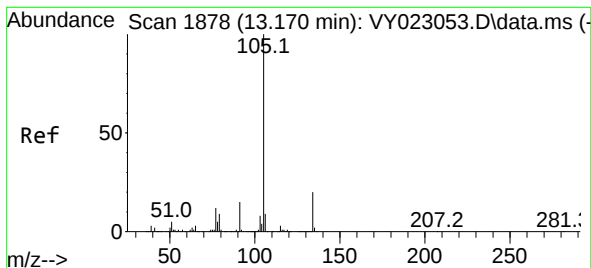
Tgt Ion:105 Resp: 869337

Ion Ratio Lower Upper

105 100

120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 48.148 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

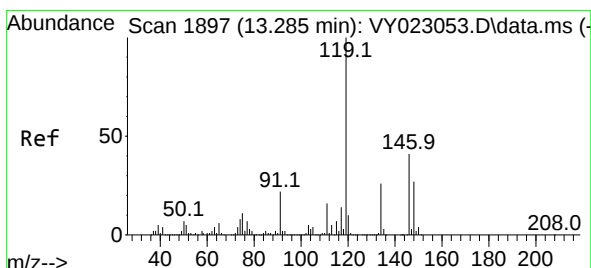
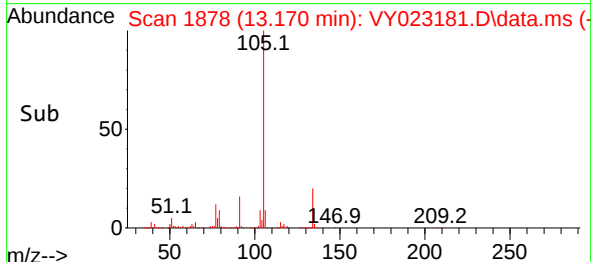
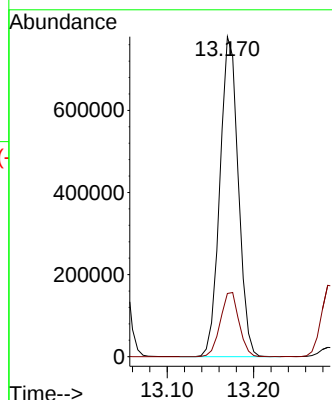
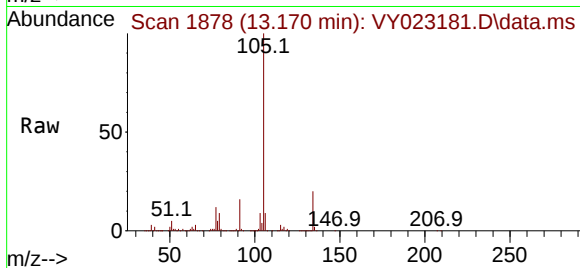
ClientSampleId :

Tgt Ion:105 Resp: 1147774

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.4



#86

p-Isopropyltoluene

Concen: 48.810 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

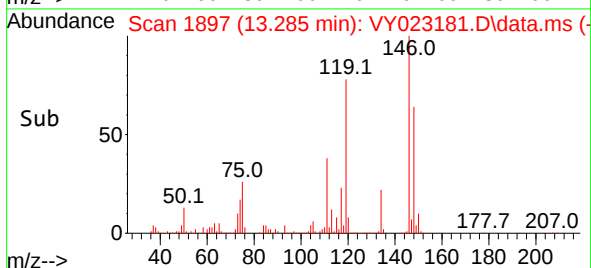
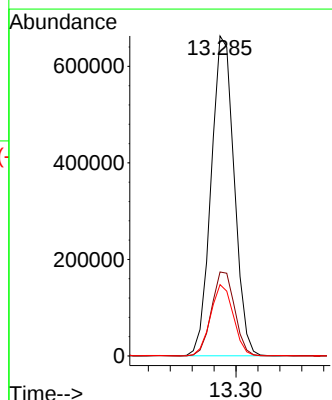
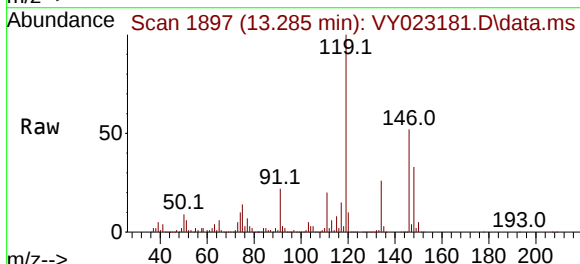
Tgt Ion:119 Resp: 965816

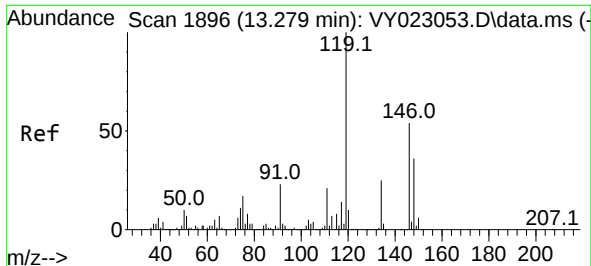
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 22.0 11.3 33.8

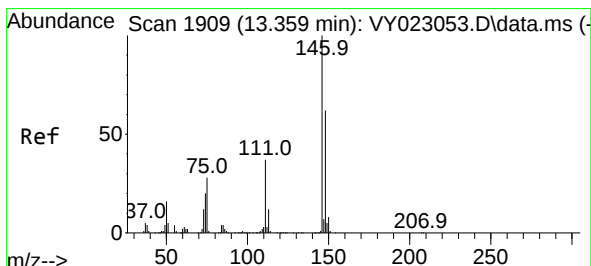
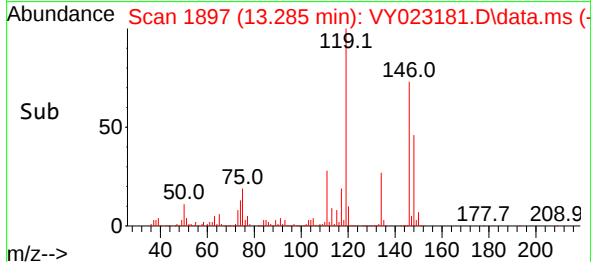
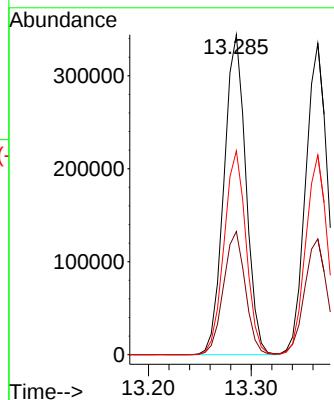
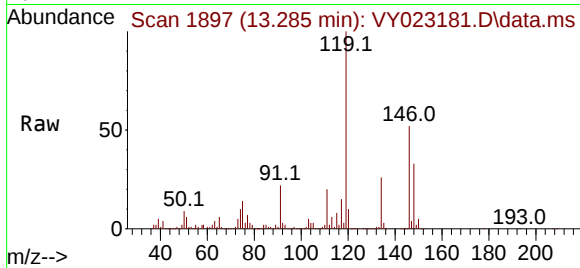




#87
1,3-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.285 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

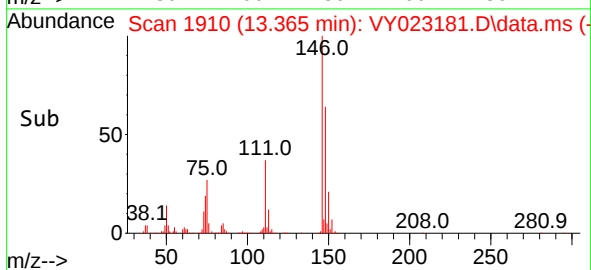
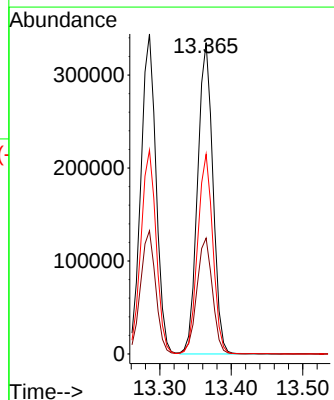
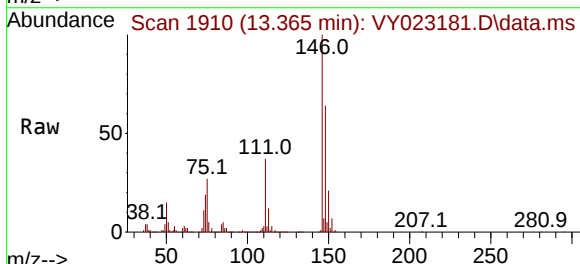
Instrument :
MSVOA_Y
ClientSampleId :

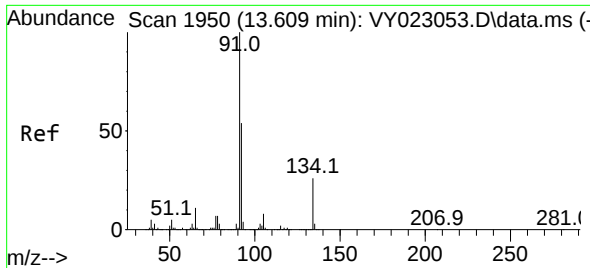
Tgt Ion:146 Resp: 508936
Ion Ratio Lower Upper
146 100
111 38.4 19.6 58.7
148 63.9 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 47.958 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion:146 Resp: 497592
Ion Ratio Lower Upper
146 100
111 37.9 19.1 57.1
148 63.5 31.6 94.7

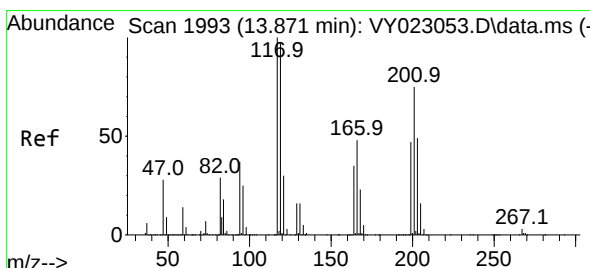
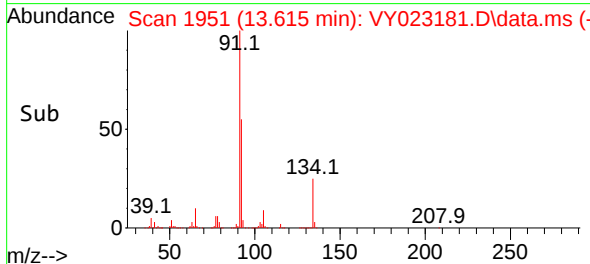
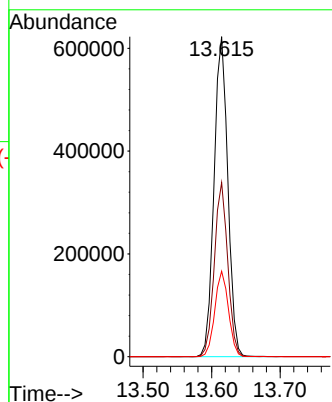
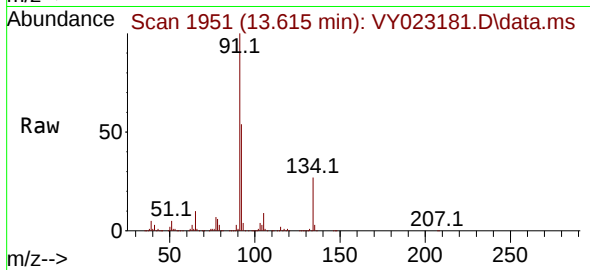




#89
n-Butylbenzene
Concen: 47.858 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

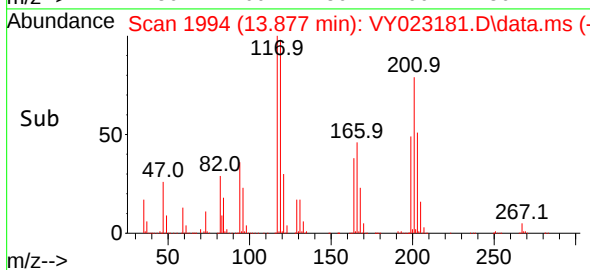
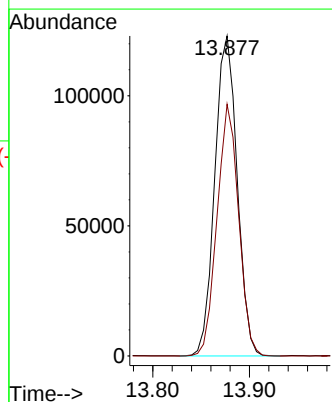
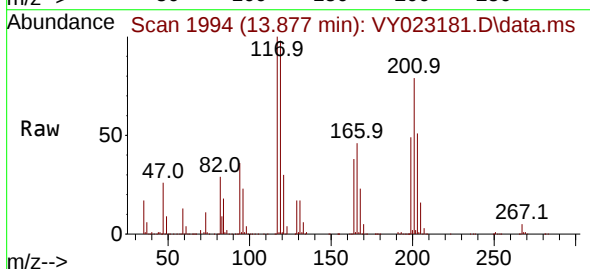
Instrument :
MSVOA_Y
ClientSampleId :

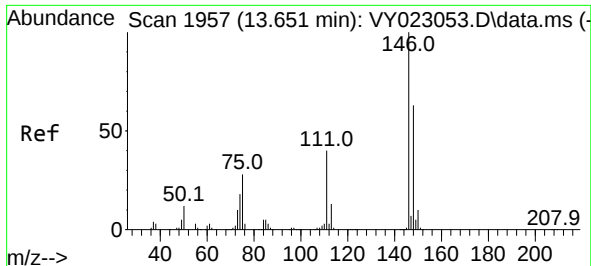
Tgt Ion: 91 Resp: 869741
Ion Ratio Lower Upper
91 100
92 53.1 26.9 80.7
134 26.5 13.2 39.5



#90
Hexachloroethane
Concen: 48.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 117 Resp: 197634
Ion Ratio Lower Upper
117 100
201 75.8 38.4 115.1

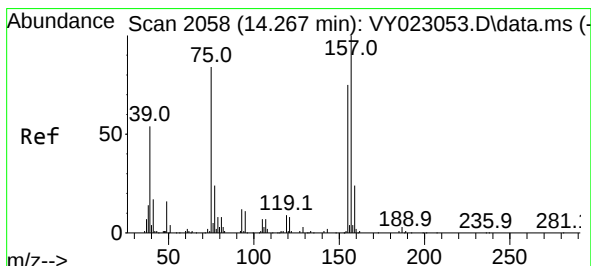
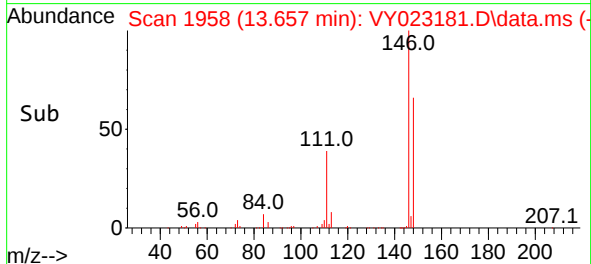
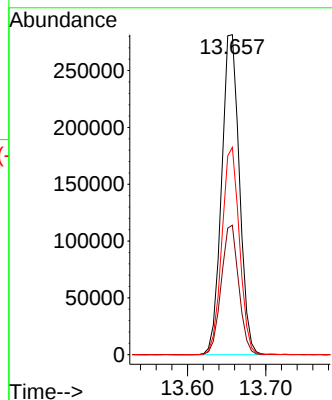
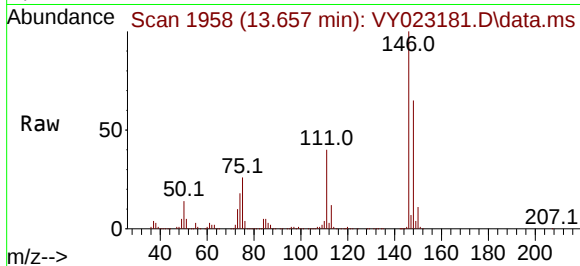




#91
1,2-Dichlorobenzene
Concen: 48.617 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

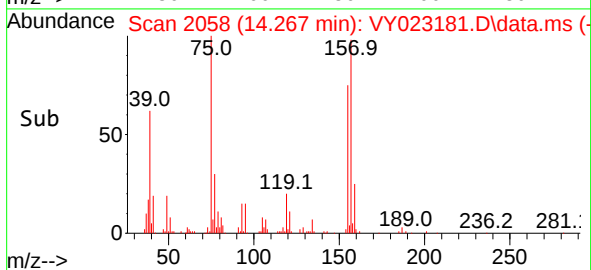
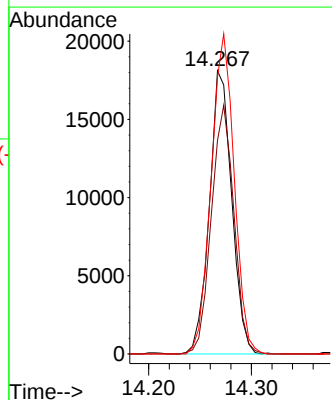
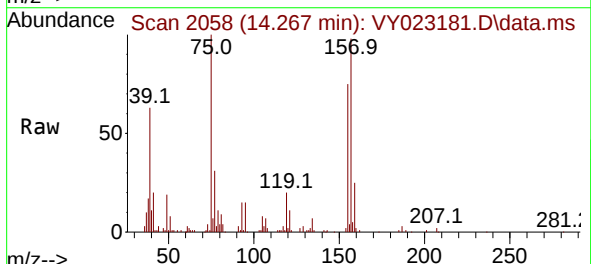
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:146 Resp: 445962
Ion Ratio Lower Upper
146 100
111 39.8 20.3 60.8
148 63.8 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.349 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023181.D
Acq: 20 Aug 2025 17:41

Tgt Ion: 75 Resp: 27394
Ion Ratio Lower Upper
75 100
155 88.4 43.9 131.6
157 116.2 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 44.759 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

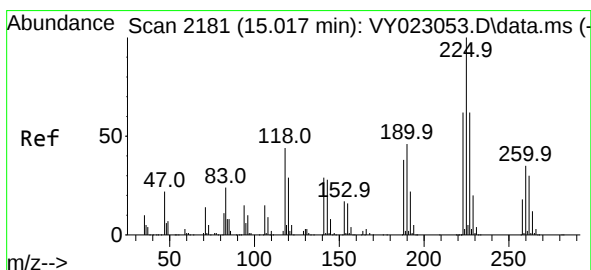
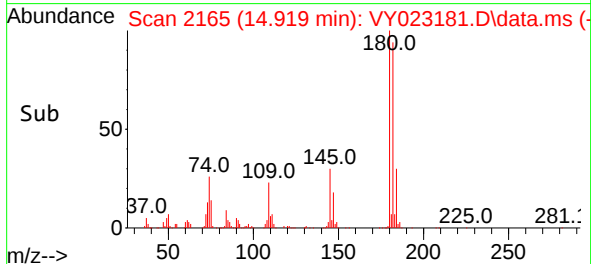
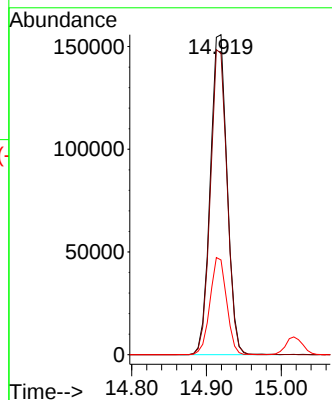
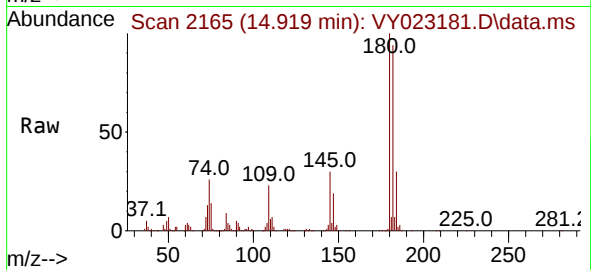
Tgt Ion:180 Resp: 242796

Ion Ratio Lower Upper

180 100

182 94.9 46.8 140.4

145 30.0 14.4 43.4



#94

Hexachlorobutadiene

Concen: 45.173 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

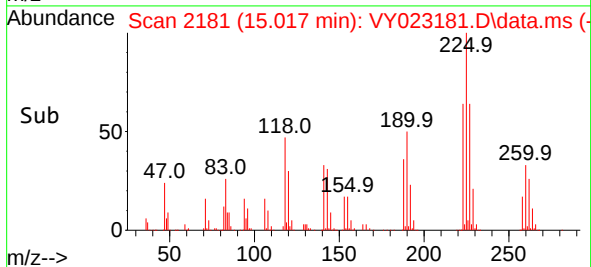
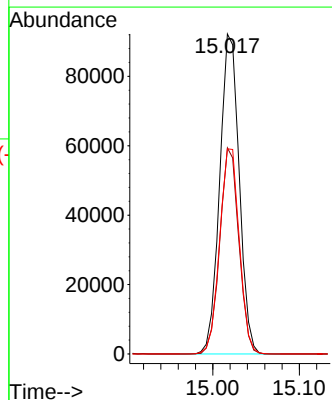
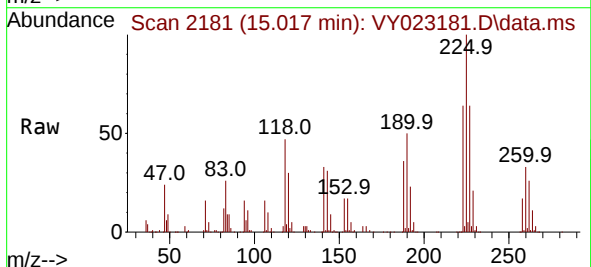
Tgt Ion:225 Resp: 143992

Ion Ratio Lower Upper

225 100

223 62.9 31.3 93.8

227 64.8 31.5 94.5





#95

Naphthalene

Concen: 46.397 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Instrument :

MSVOA_Y

ClientSampleId :

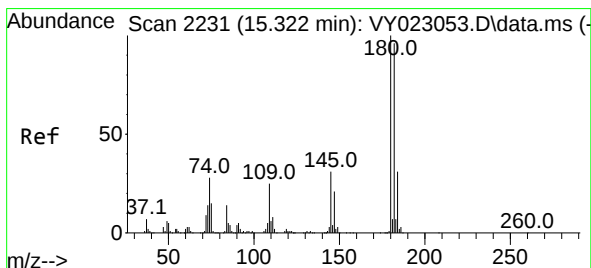
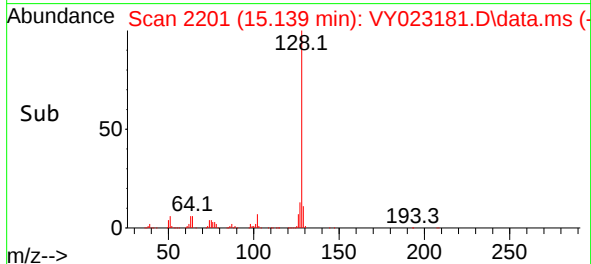
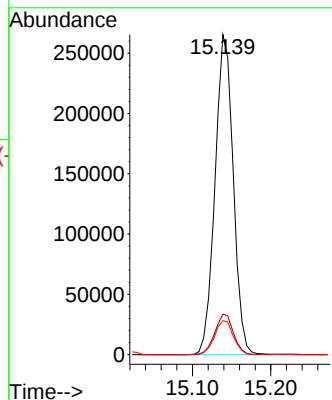
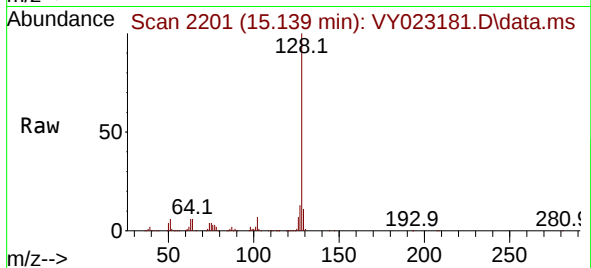
Tgt Ion:128 Resp: 429158

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.1 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 45.668 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023181.D

Acq: 20 Aug 2025 17:41

Tgt Ion:180 Resp: 213464

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.7

145 31.1 15.9 47.7

