

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031877.D
 Acq On : 16 Jul 2025 16:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 17 04:05:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	211215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	367335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172411	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	167110	55.130	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 110.260%	
35) Dibromofluoromethane	7.904	113	136176	51.148	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.300%	
50) Toluene-d8	10.331	98	514850	51.964	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 103.920%	
62) 4-Bromofluorobenzene	12.617	95	197308	54.115	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 108.240%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	75043	52.169	ug/l	99
3) Chloromethane	2.259	50	101655	58.618	ug/l	96
4) Vinyl Chloride	2.411	62	116349	51.044	ug/l	97
5) Bromomethane	2.832	94	77565	43.566	ug/l	99
6) Chloroethane	2.978	64	73189	47.270	ug/l	94
7) Trichlorofluoromethane	3.314	101	97896	47.291	ug/l	94
8) Diethyl Ether	3.722	74	85592	54.413	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	109148	47.503	ug/l	99
10) Methyl Iodide	4.313	142	153164	43.240	ug/l	99
11) Tert butyl alcohol	5.234	59	53056	282.528	ug/l	97
12) 1,1-Dichloroethene	4.082	96	120451	47.860	ug/l	97
13) Acrolein	3.936	56	81018	240.039	ug/l	97
14) Allyl chloride	4.704	41	187787	48.631	ug/l	97
15) Acrylonitrile	5.411	53	206292	266.688	ug/l	100
16) Acetone	4.167	43	155000	206.884	ug/l	98
17) Carbon Disulfide	4.435	76	317425	47.133	ug/l	98
18) Methyl Acetate	4.716	43	117500	54.875	ug/l	100
19) Methyl tert-butyl Ether	5.472	73	240156	56.220	ug/l	99
20) Methylene Chloride	4.966	84	145545	48.563	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	139324	52.099	ug/l	98
22) Diisopropyl ether	6.344	45	439149	58.312	ug/l	98
23) Vinyl Acetate	6.289	43	1514345	294.389	ug/l	100
24) 1,1-Dichloroethane	6.252	63	268633	55.019	ug/l	100
25) 2-Butanone	7.203	43	277683	284.889	ug/l	97
26) 2,2-Dichloropropane	7.191	77	125397	44.019	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	175253	57.012	ug/l	97
28) Bromochloromethane	7.532	49	117494	54.531	ug/l	97
29) Tetrahydrofuran	7.557	42	194529	291.427	ug/l	99
30) Chloroform	7.697	83	284761	54.887	ug/l	99
31) Cyclohexane	7.971	56	209808	48.612	ug/l	99
32) 1,1,1-Trichloroethane	7.892	97	193479	48.391	ug/l	98
36) 1,1-Dichloropropene	8.099	75	193838	50.314	ug/l	99
37) Ethyl Acetate	7.276	43	127674	52.534	ug/l	99
38) Carbon Tetrachloride	8.087	117	181999	46.359	ug/l	98
39) Methylcyclohexane	9.343	83	248120	51.764	ug/l	98
40) Benzene	8.337	78	587248	51.521	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	73057	56.116	ug/l	95
42) 1,2-Dichloroethane	8.416	62	200093	51.954	ug/l	99
43) Isopropyl Acetate	8.441	43	235152	56.131	ug/l	99
44) Trichloroethene	9.105	130	137945	48.488	ug/l	95
45) 1,2-Dichloropropane	9.380	63	146714	53.257	ug/l	97
46) Dibromomethane	9.471	93	94370	53.061	ug/l	97
47) Bromodichloromethane	9.654	83	220868	52.958	ug/l	99
48) Methyl methacrylate	9.447	41	115836	56.233	ug/l	99
49) 1,4-Dioxane	9.465	88	19800	950.542	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	657679	273.068	ug/l	99
52) Toluene	10.392	92	388838	53.281	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	217374	55.551	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	245334	55.305	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	124424	53.407	ug/l	99
56) Ethyl methacrylate	10.648	69	193923	61.355	ug/l	97
57) 1,3-Dichloropropane	10.934	76	221018	54.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	500958	287.839	ug/l	98
59) 2-Hexanone	10.971	43	465504	285.221	ug/l	99
60) Dibromochloromethane	11.135	129	141904	50.936	ug/l	95
61) 1,2-Dibromoethane	11.239	107	126241	54.128	ug/l	99
64) Tetrachloroethene	10.867	164	111095	46.236	ug/l	94
65) Chlorobenzene	11.660	112	406455	50.151	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	136188	52.731	ug/l	96
67) Ethyl Benzene	11.727	91	743566	52.909	ug/l	95
68) m/p-Xylenes	11.837	106	554027	102.550	ug/l	99
69) o-Xylene	12.166	106	275794	55.135	ug/l	98
70) Styrene	12.178	104	481102	55.635	ug/l	99
71) Bromoform	12.349	173	77257	50.143	ug/l #	97
73) Isopropylbenzene	12.458	105	690543	52.655	ug/l	99
74) N-amyl acetate	12.269	43	215586	60.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	158080	54.294	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	201007	90.217	ug/l	41
77) Bromobenzene	12.745	156	160879	55.002	ug/l	88
78) n-propylbenzene	12.800	91	843966	53.741	ug/l	97
79) 2-Chlorotoluene	12.891	91	507768	53.694	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	595609	54.867	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	50208	52.487	ug/l	98
82) 4-Chlorotoluene	12.989	91	521598	52.536	ug/l	98
83) tert-Butylbenzene	13.202	119	492871	53.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	589275	53.575	ug/l	99
85) sec-Butylbenzene	13.379	105	730189	52.316	ug/l	100
86) p-Isopropyltoluene	13.495	119	616046	53.557	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	297788	50.766	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	303026	50.471	ug/l	95
89) n-Butylbenzene	13.818	91	583555	52.215	ug/l	98
90) Hexachloroethane	14.092	117	101581	48.950	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	278246	51.898	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	28751	50.573	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	168002	50.810	ug/l	98
94) Hexachlorobutadiene	15.232	225	73804	46.225	ug/l	94
95) Naphthalene	15.360	128	483151	59.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	157909	51.975	ug/l	95

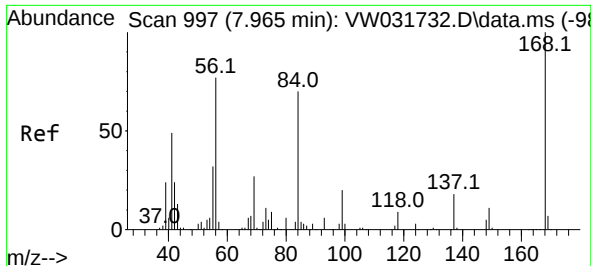
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QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

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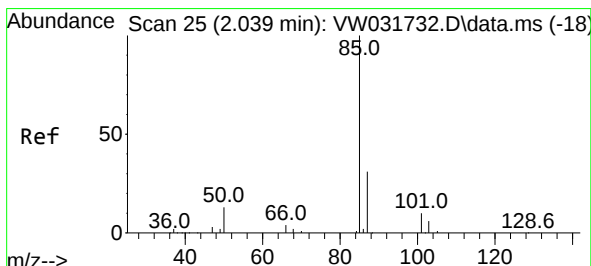
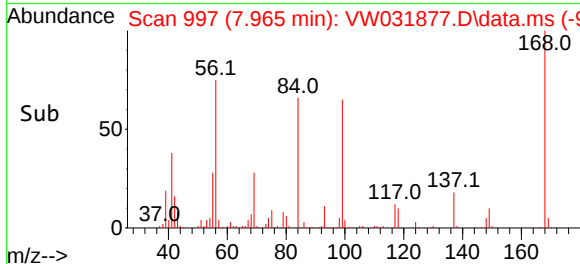
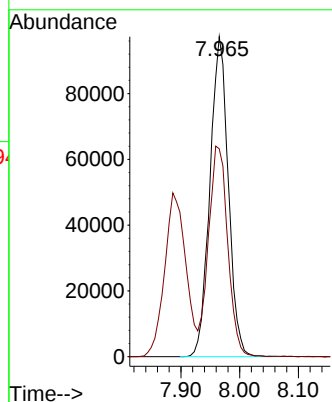
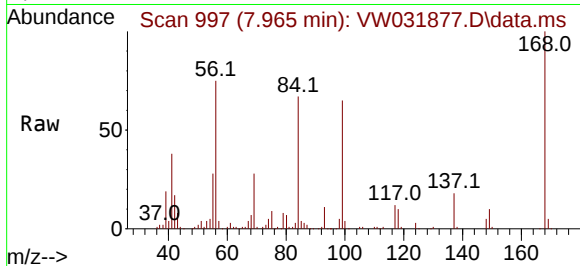
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

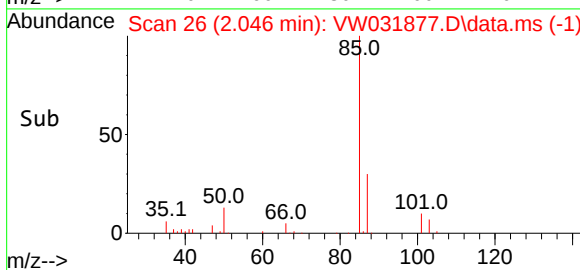
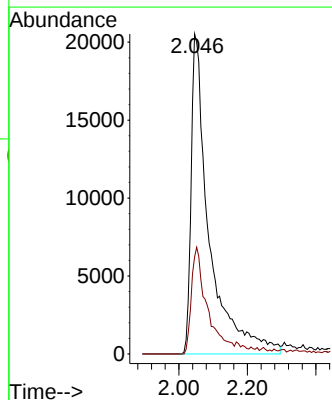
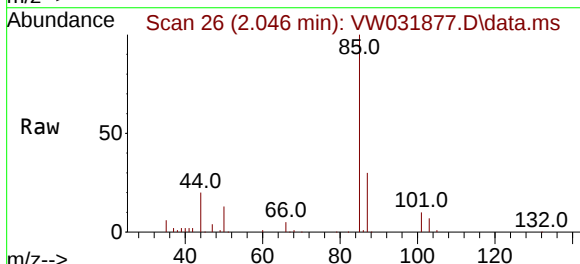
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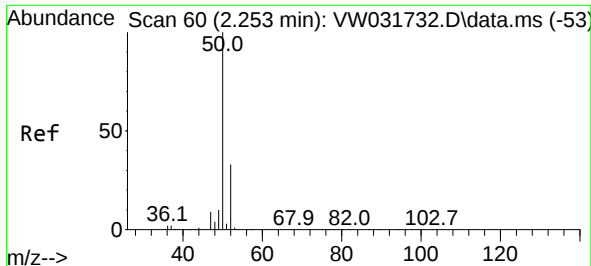
Tgt Ion:168 Resp: 211215
Ion Ratio Lower Upper
168 100
99 64.9 49.4 74.2



#2
Dichlorodifluoromethane
Concen: 52.169 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 85 Resp: 75043
Ion Ratio Lower Upper
85 100
87 30.3 15.4 46.2

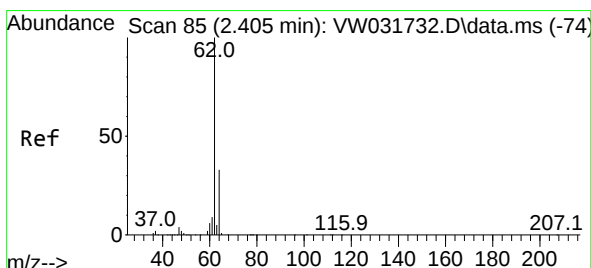
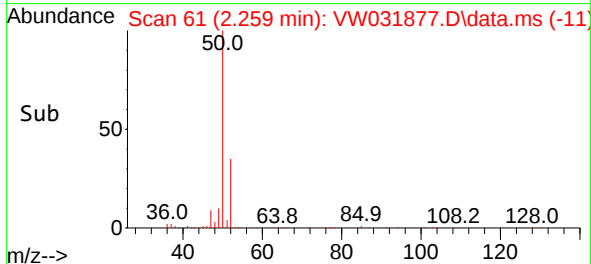
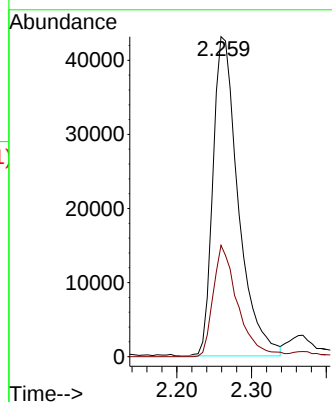
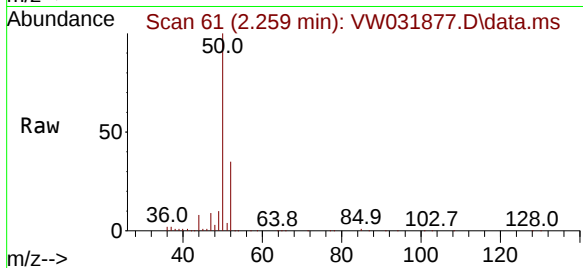




#3
Chloromethane
Concen: 58.618 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

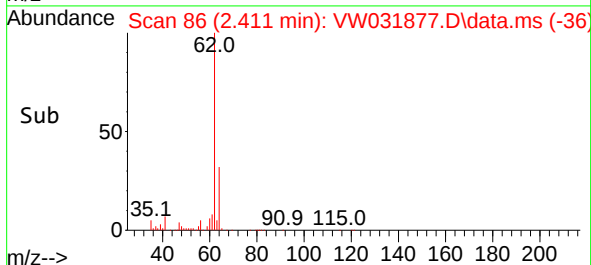
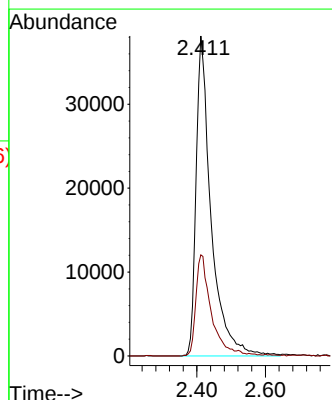
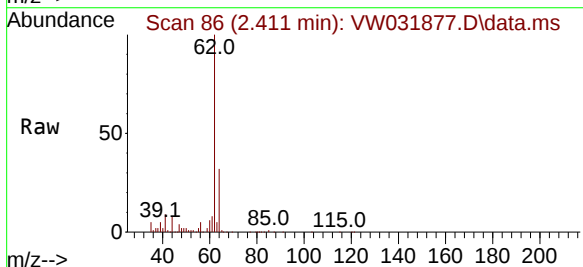
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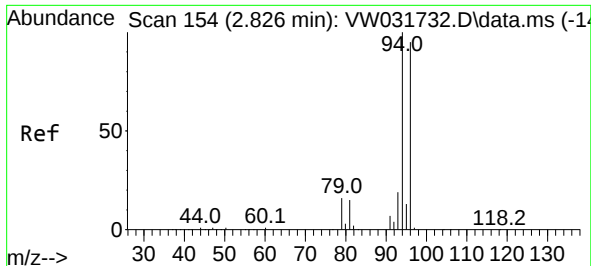
Tgt Ion: 50 Resp: 101655
Ion Ratio Lower Upper
50 100
52 34.9 26.2 39.2



#4
Vinyl Chloride
Concen: 51.044 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 62 Resp: 116349
Ion Ratio Lower Upper
62 100
64 31.6 26.8 40.2

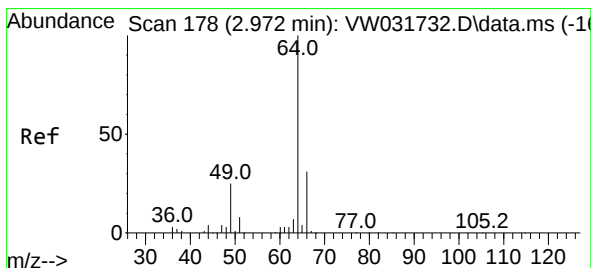
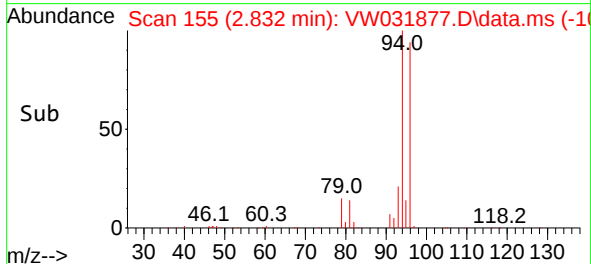
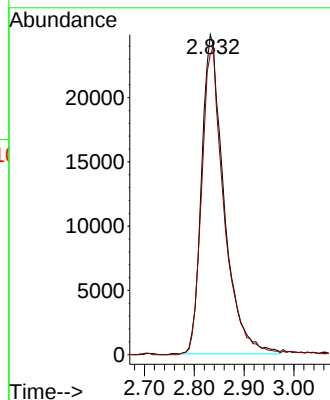
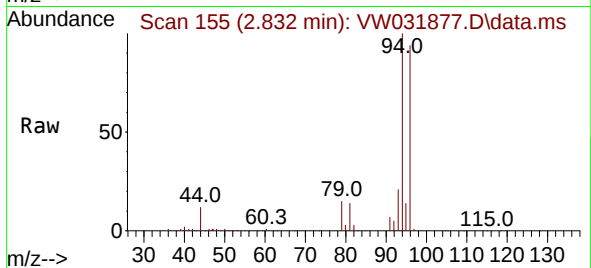




#5
Bromomethane
Concen: 43.566 ug/l
RT: 2.832 min Scan# 154
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

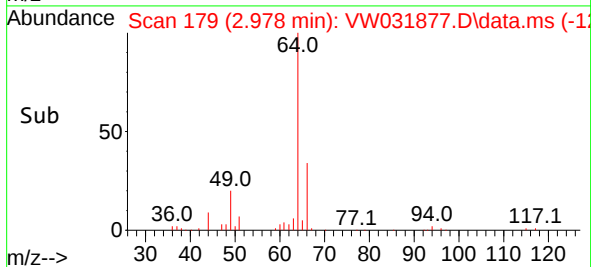
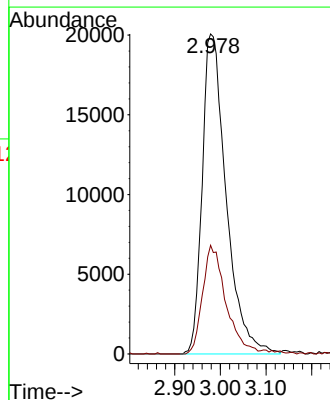
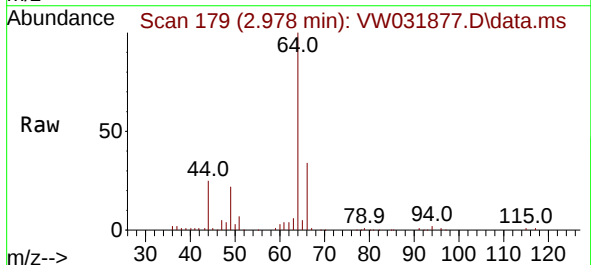
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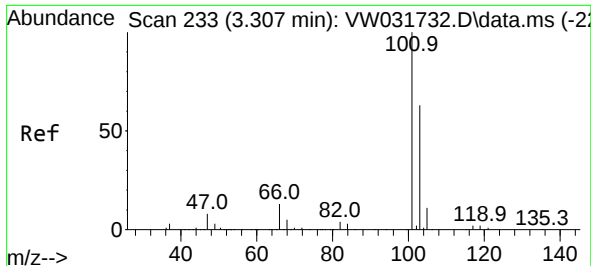
Tgt Ion: 94 Resp: 77565
Ion Ratio Lower Upper
94 100
96 93.8 75.6 113.4



#6
Chloroethane
Concen: 47.270 ug/l
RT: 2.978 min Scan# 179
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 64 Resp: 73189
Ion Ratio Lower Upper
64 100
66 34.0 24.5 36.7

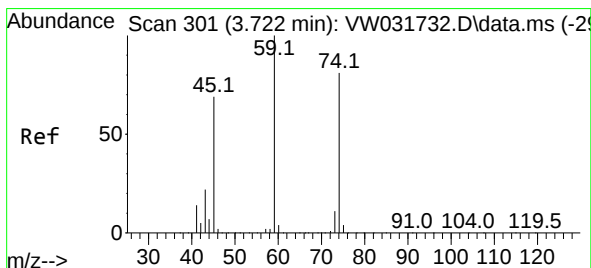
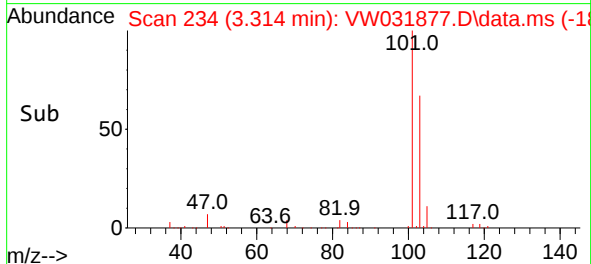
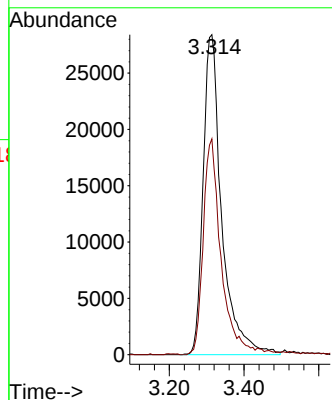
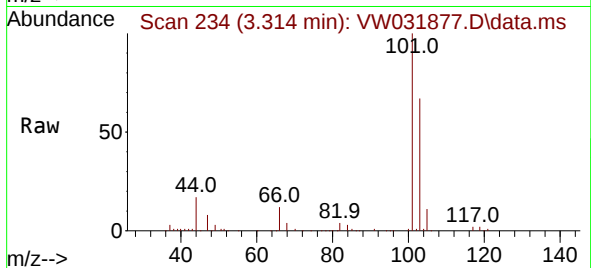




#7
Trichlorofluoromethane
Concen: 47.291 ug/l
RT: 3.314 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

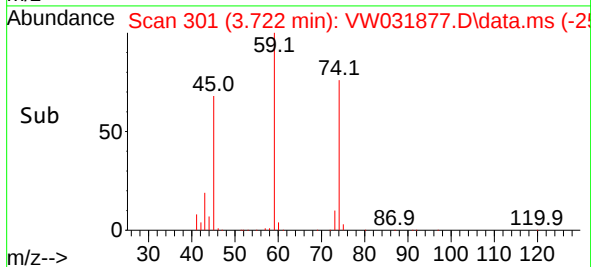
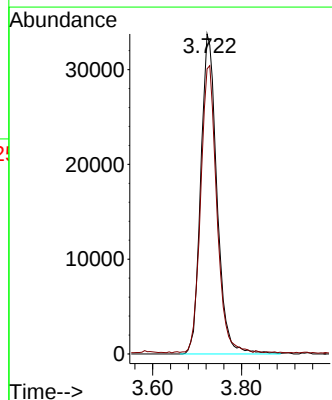
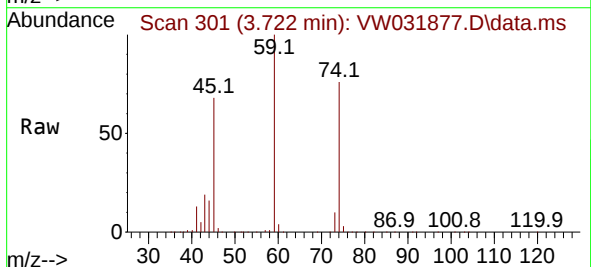
Instrument :
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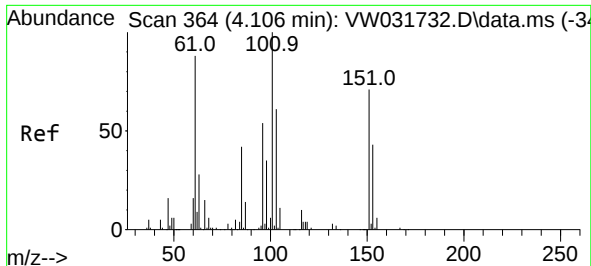
Tgt Ion:101 Resp: 97896
Ion Ratio Lower Upper
101 100
103 67.5 50.2 75.4



#8
Diethyl Ether
Concen: 54.413 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 74 Resp: 85592
Ion Ratio Lower Upper
74 100
45 88.9 43.9 131.7

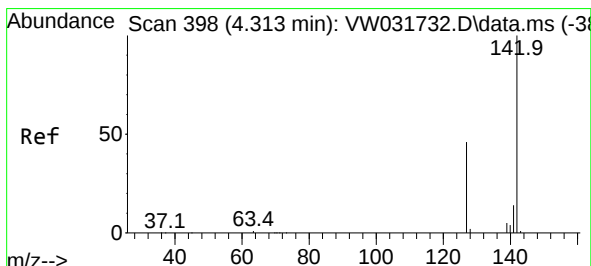
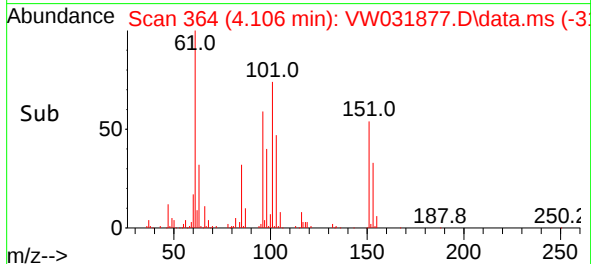
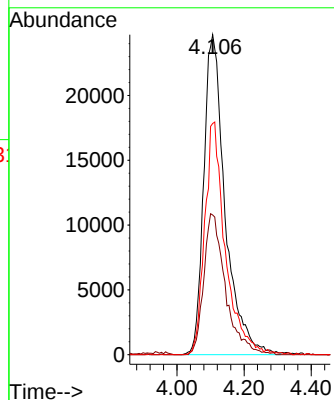
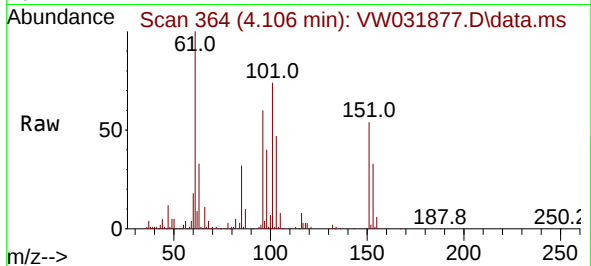




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.503 ug/l
RT: 4.106 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

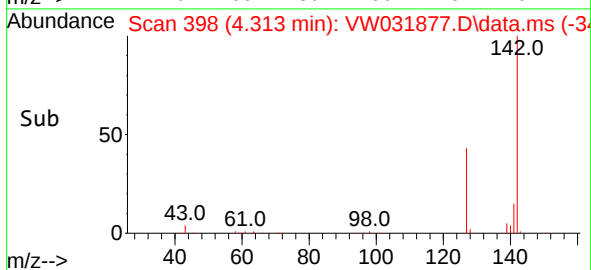
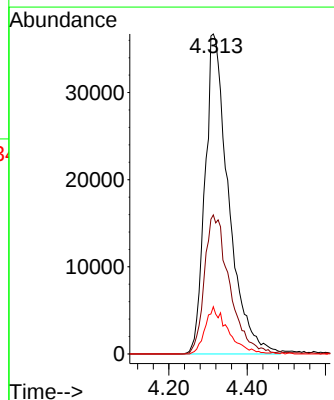
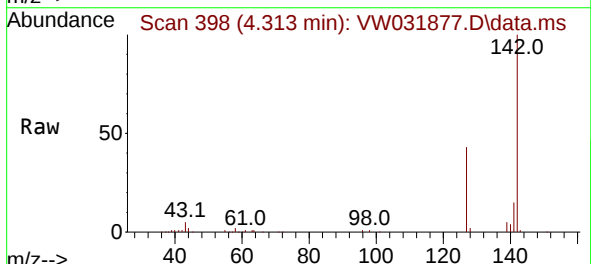
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

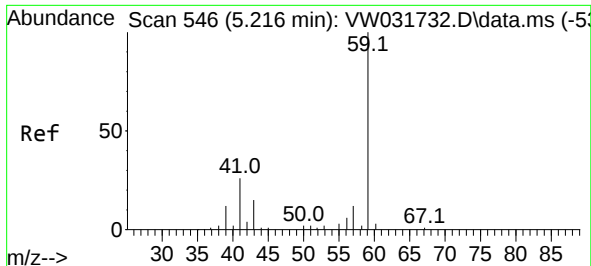
Tgt Ion:101 Resp: 109148
Ion Ratio Lower Upper
101 100
85 44.8 35.6 53.4
151 69.8 56.8 85.2



#10
Methyl Iodide
Concen: 43.240 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion:142 Resp: 153164
Ion Ratio Lower Upper
142 100
127 46.4 37.9 56.9
141 14.4 11.7 17.5

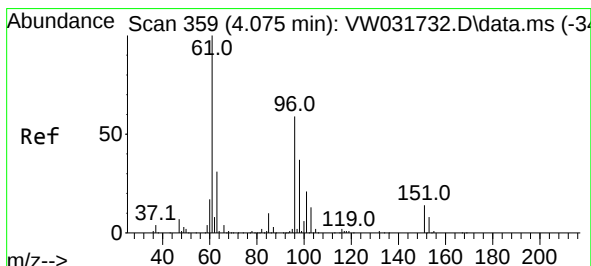
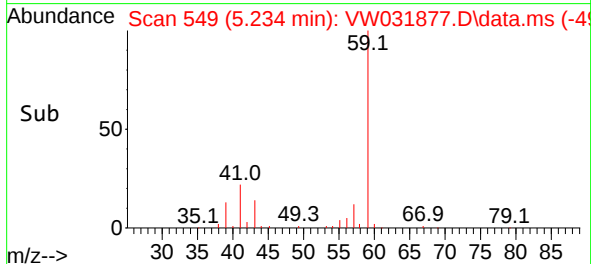
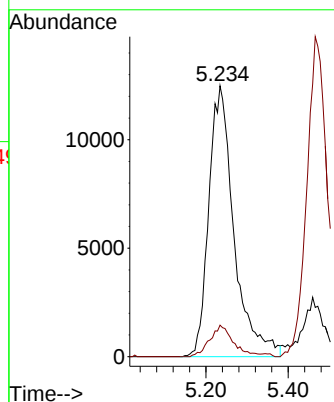
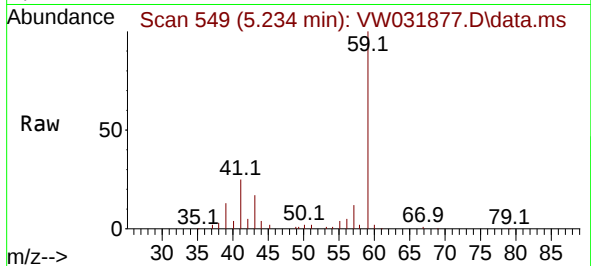




#11
Tert butyl alcohol
Concen: 282.528 ug/l
RT: 5.234 min Scan# 546
Delta R.T. 0.019 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

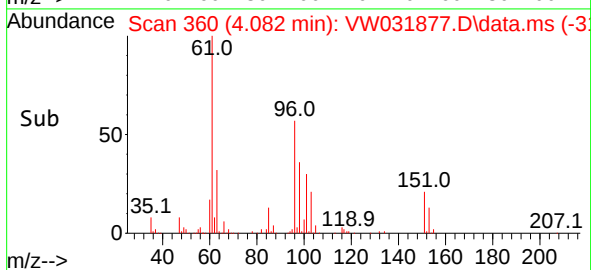
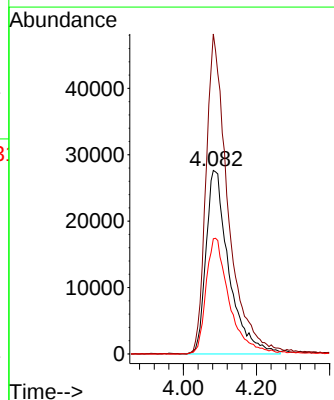
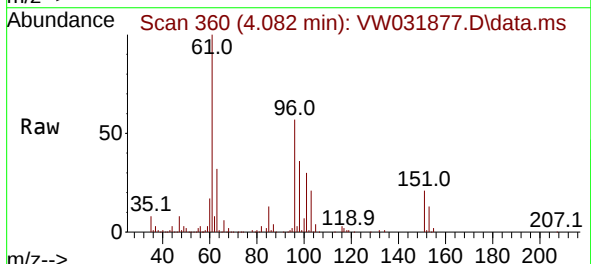
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

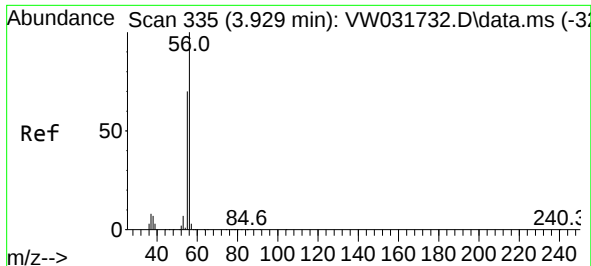
Tgt Ion: 59 Resp: 53056
Ion Ratio Lower Upper
59 100
57 10.8 9.5 14.3



#12
1,1-Dichloroethene
Concen: 47.860 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 96 Resp: 120451
Ion Ratio Lower Upper
96 100
61 174.4 135.8 203.8
98 62.8 50.4 75.6

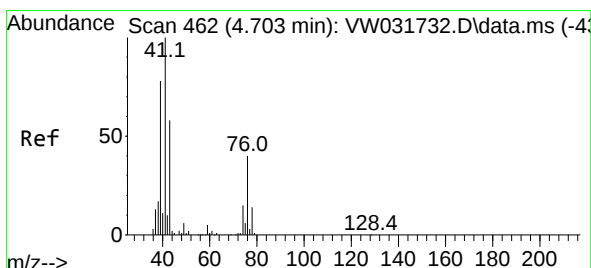
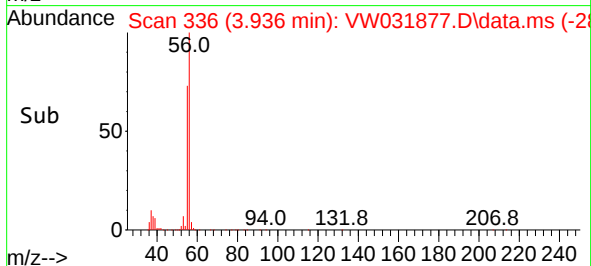
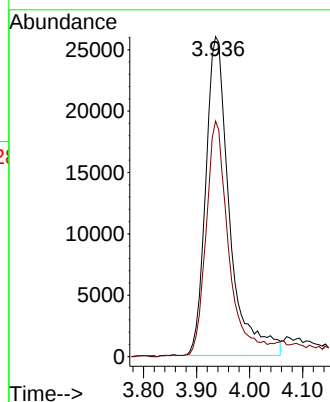
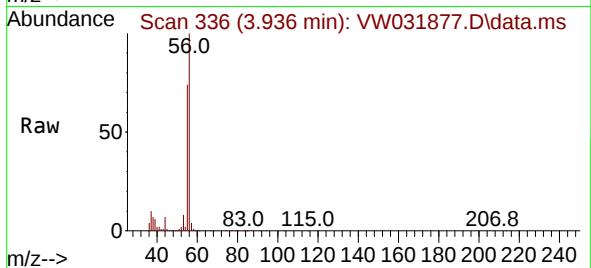




#13
Acrolein
Concen: 240.039 ug/l
RT: 3.936 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

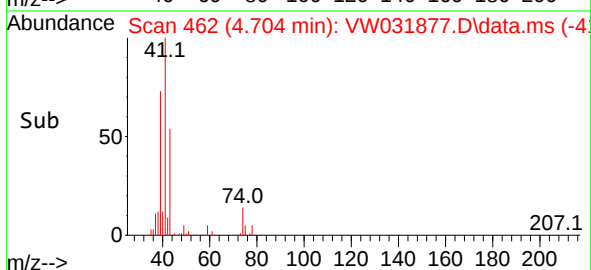
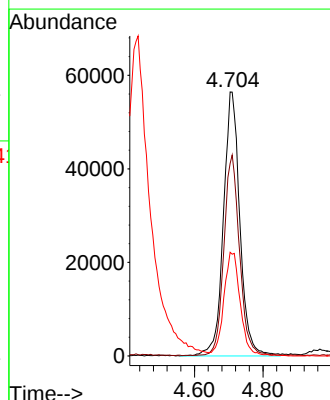
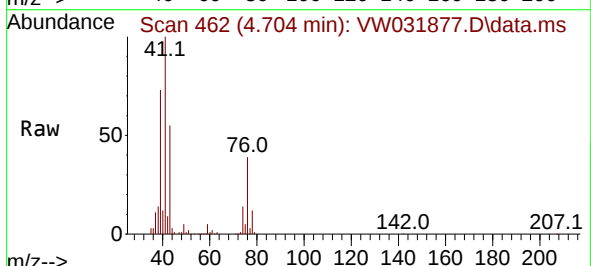
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

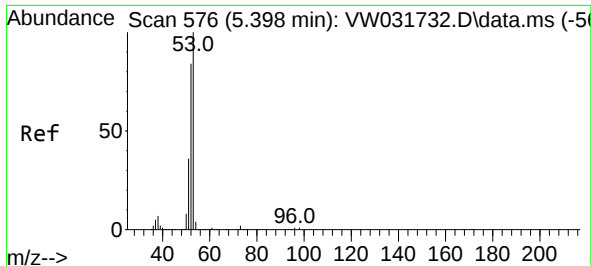
Tgt Ion: 56 Resp: 81018
Ion Ratio Lower Upper
56 100
55 70.2 54.0 81.0



#14
Allyl chloride
Concen: 48.631 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 41 Resp: 187787
Ion Ratio Lower Upper
41 100
39 72.1 60.7 91.1
76 38.0 30.3 45.5

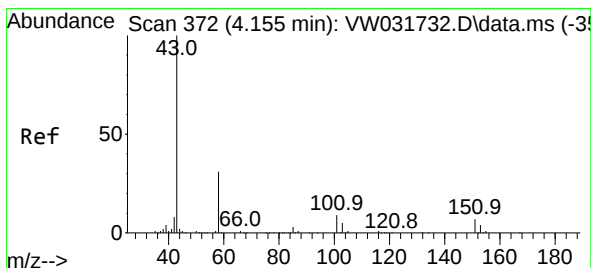
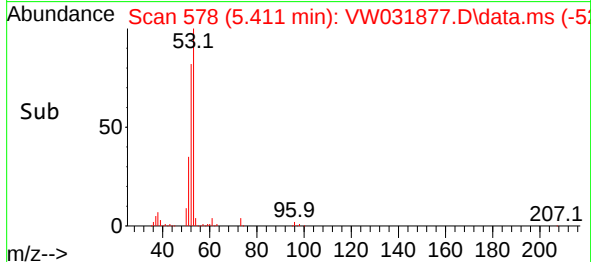
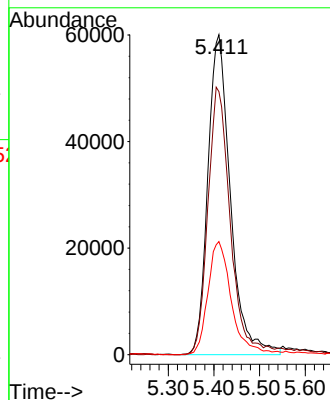
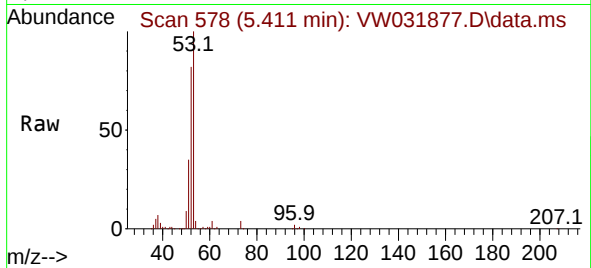




#15
Acrylonitrile
Concen: 266.688 ug/l
RT: 5.411 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

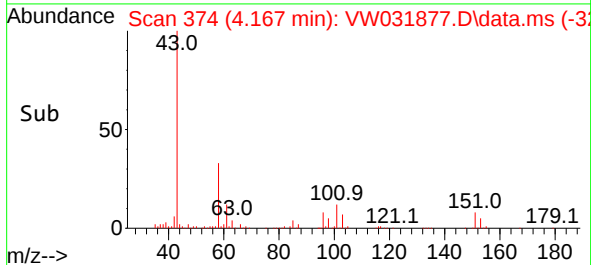
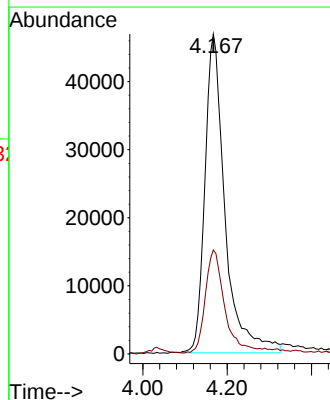
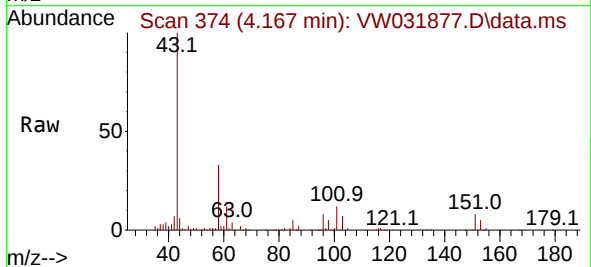
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

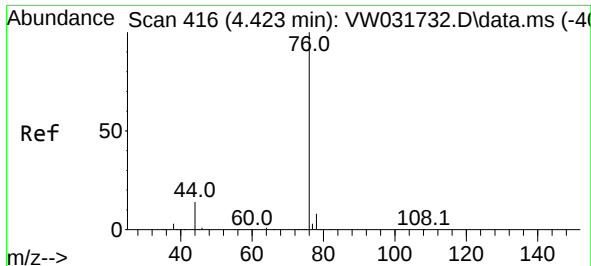
Tgt Ion: 53 Resp: 206292
Ion Ratio Lower Upper
53 100
52 82.7 66.4 99.6
51 37.1 29.9 44.9



#16
Acetone
Concen: 206.884 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 43 Resp: 155000
Ion Ratio Lower Upper
43 100
58 32.1 24.8 37.2

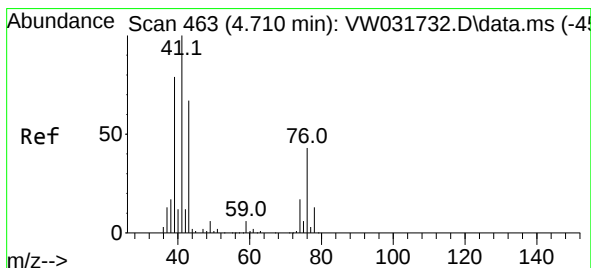
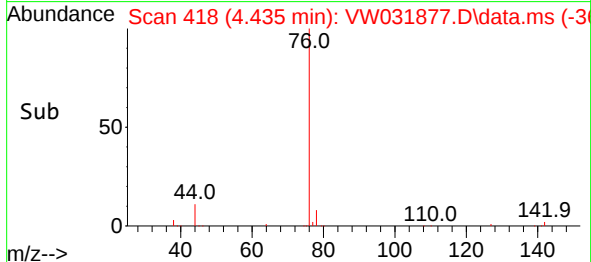
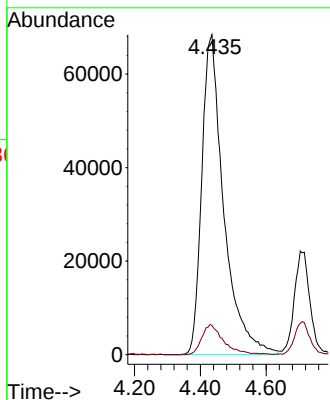
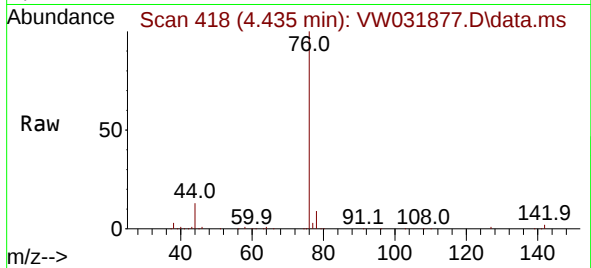




#17
Carbon Disulfide
Concen: 47.133 ug/l
RT: 4.435 min Scan# 416
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

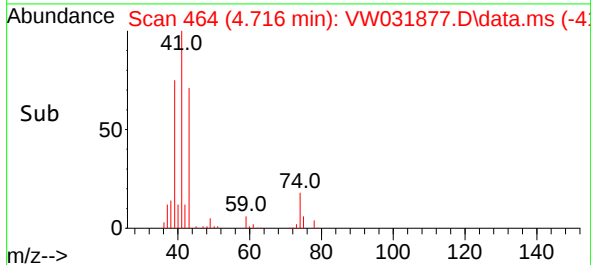
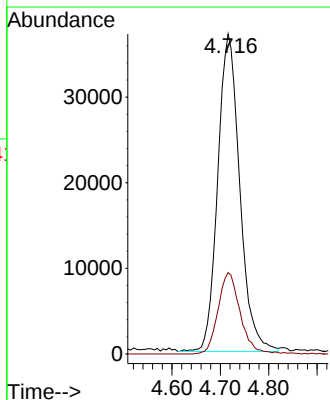
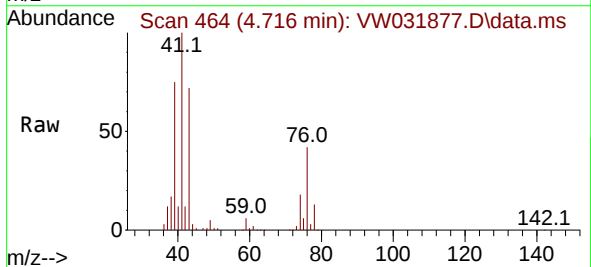
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

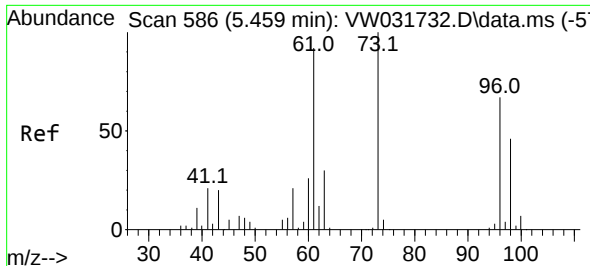
Tgt Ion: 76 Resp: 317425
Ion Ratio Lower Upper
76 100
78 9.1 6.6 10.0



#18
Methyl Acetate
Concen: 54.875 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 43 Resp: 117500
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8

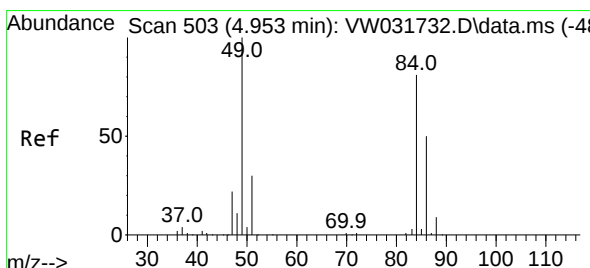
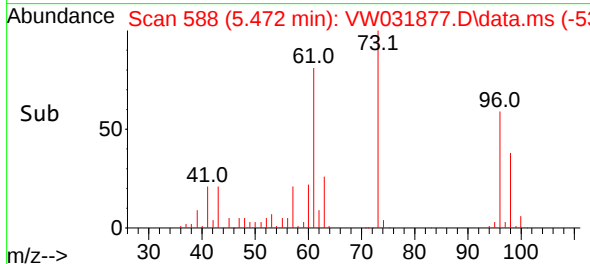
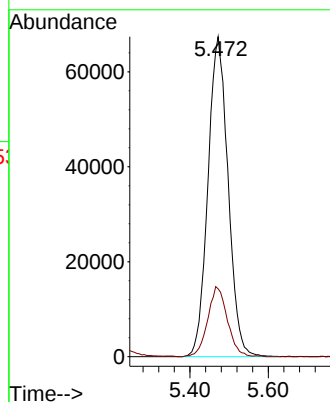
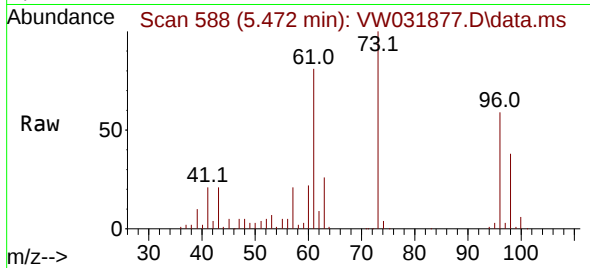




#19
Methyl tert-butyl Ether
Concen: 56.220 ug/l
RT: 5.472 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

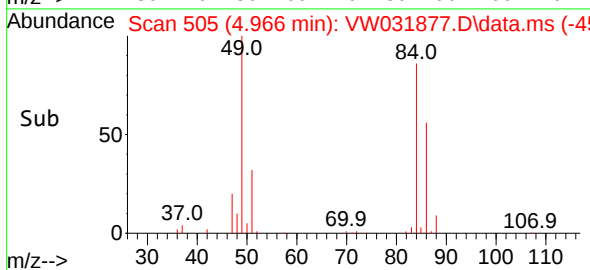
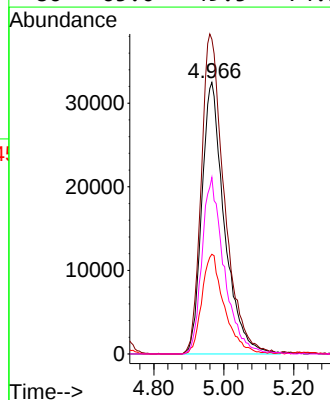
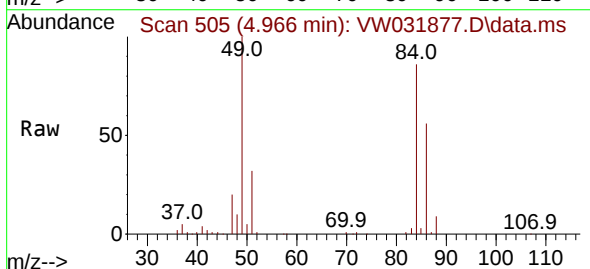
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

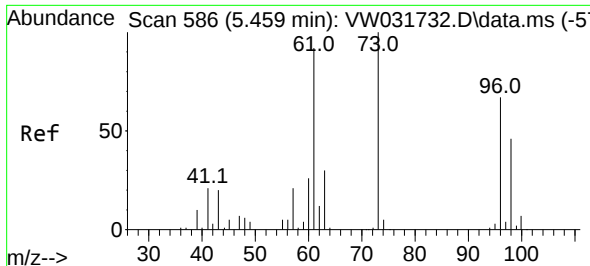
Tgt Ion: 73 Resp: 240156
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8



#20
Methylene Chloride
Concen: 48.563 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 84 Resp: 145545
Ion Ratio Lower Upper
84 100
49 116.0 98.2 147.4
51 36.7 29.8 44.8
86 65.0 49.5 74.3

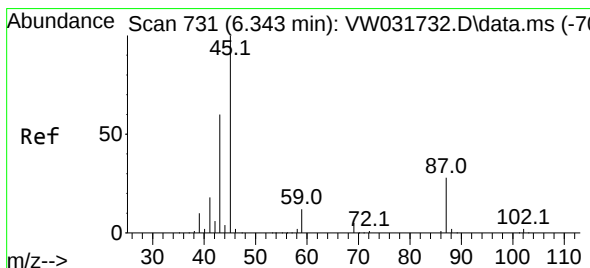
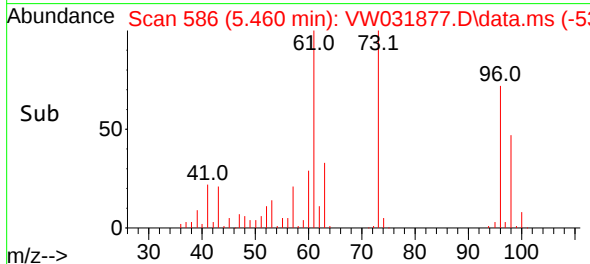
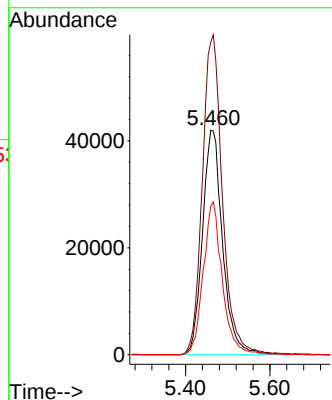
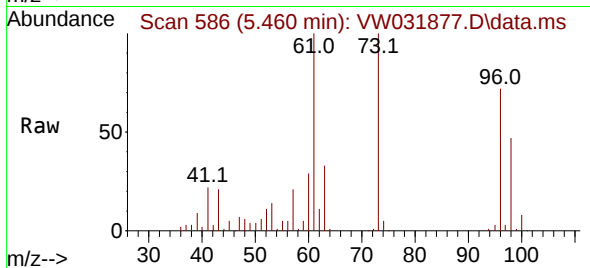




#21
trans-1,2-Dichloroethene
Concen: 52.099 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

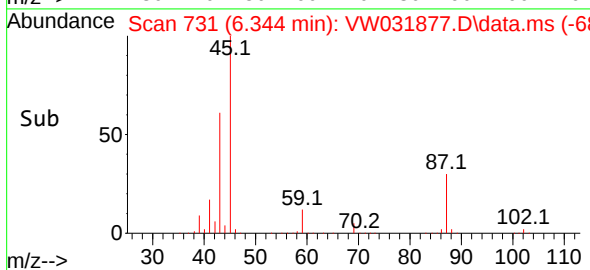
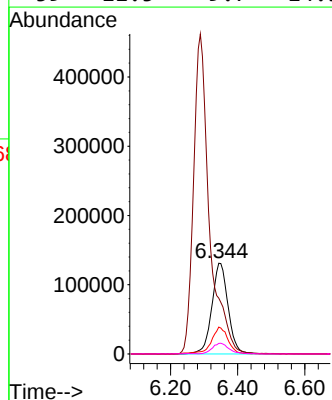
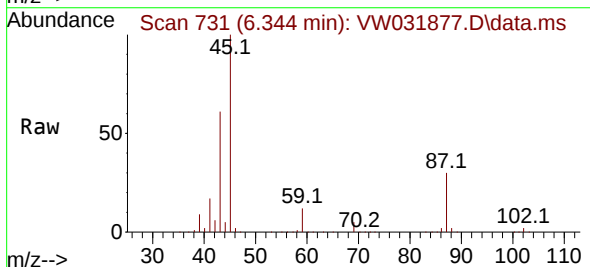
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 139324
Ion Ratio Lower Upper
96 100
61 139.2 109.8 164.6
98 66.1 54.9 82.3



#22
Diisopropyl ether
Concen: 58.312 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 45 Resp: 439149
Ion Ratio Lower Upper
45 100
43 61.2 48.3 72.5
87 29.7 22.6 34.0
59 11.5 9.7 14.5

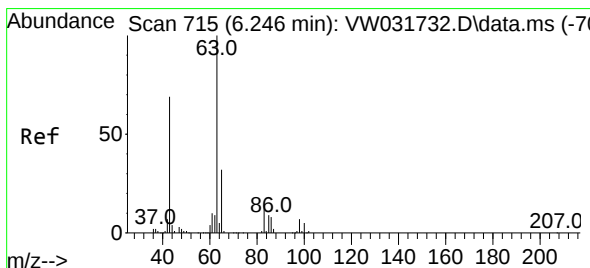
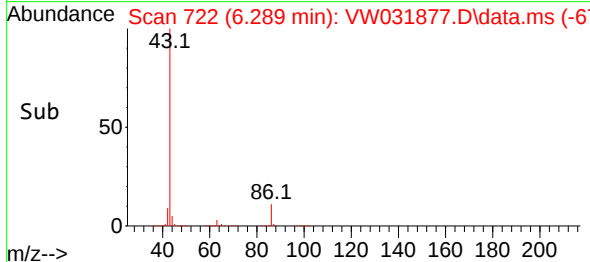
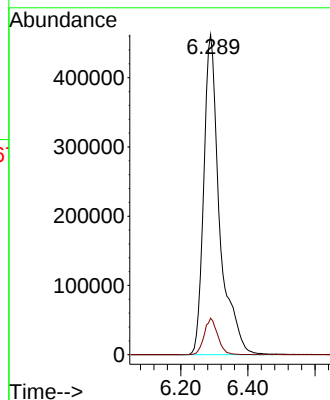
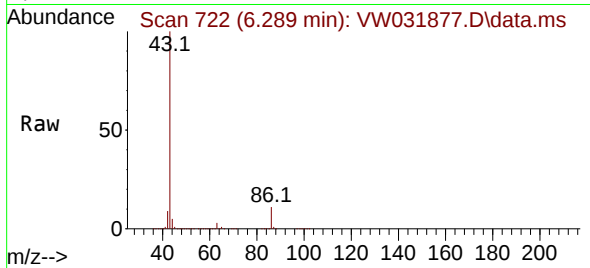




#23
 Vinyl Acetate
 Concen: 294.389 ug/l
 RT: 6.289 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

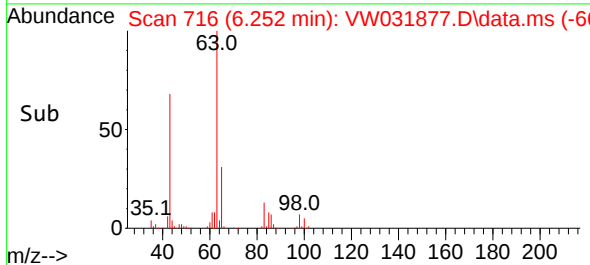
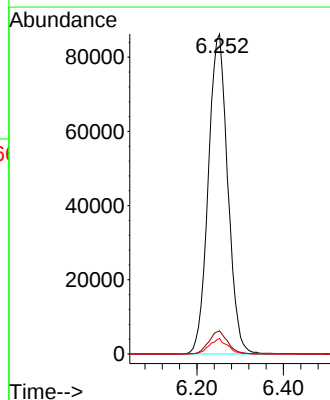
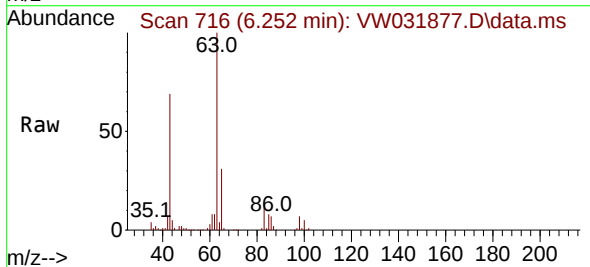
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

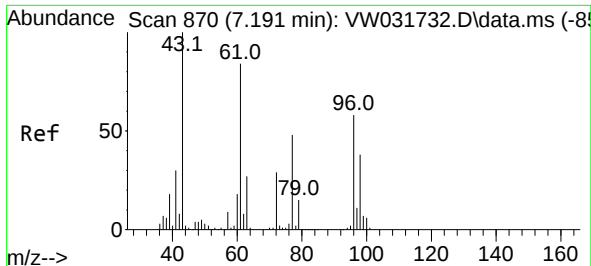
Tgt Ion: 43 Resp: 1514345
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 55.019 ug/l
 RT: 6.252 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

Tgt Ion: 63 Resp: 268633
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.6
 100 4.9 2.5 7.5

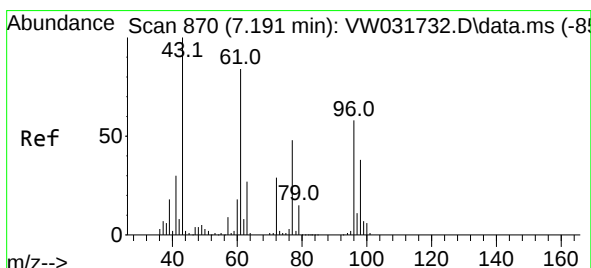
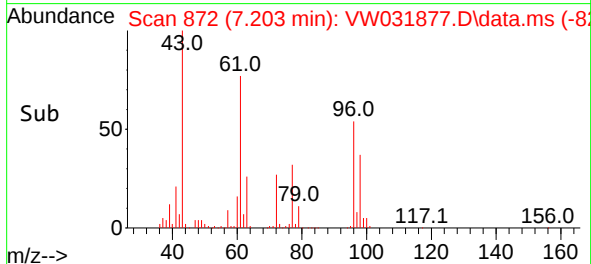
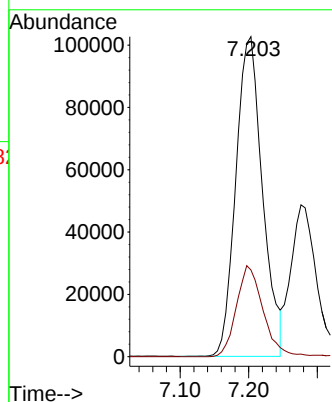
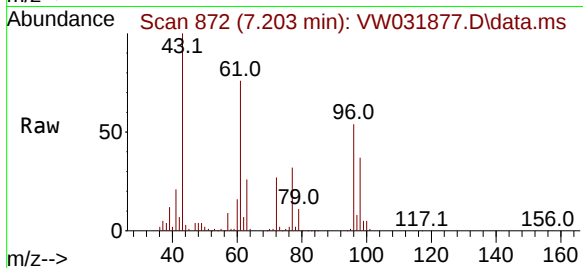




#25
2-Butanone
Concen: 284.889 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

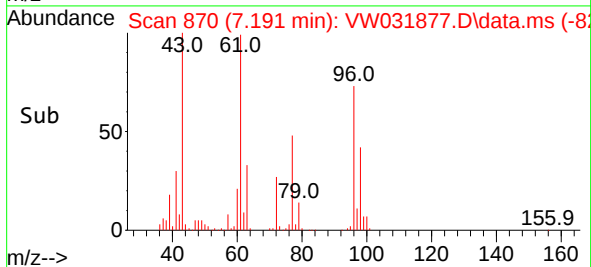
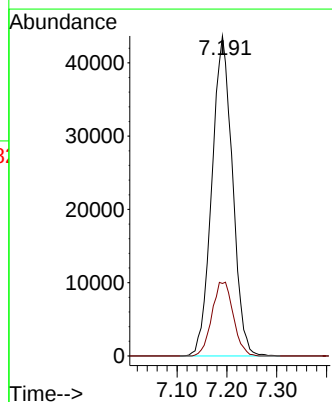
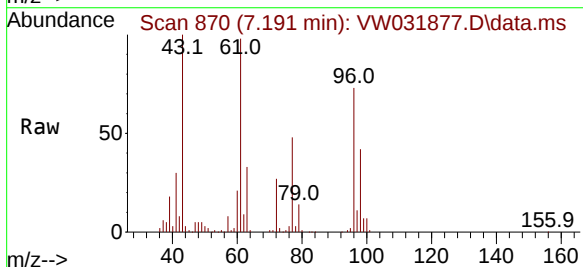
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

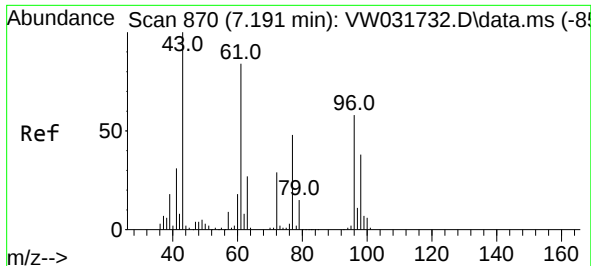
Tgt Ion: 43 Resp: 277683
Ion Ratio Lower Upper
43 100
72 27.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 44.019 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 77 Resp: 125397
Ion Ratio Lower Upper
77 100
97 23.9 11.6 34.7

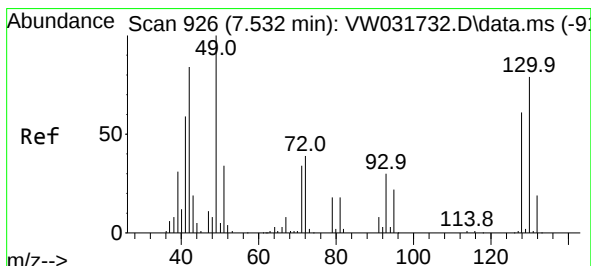
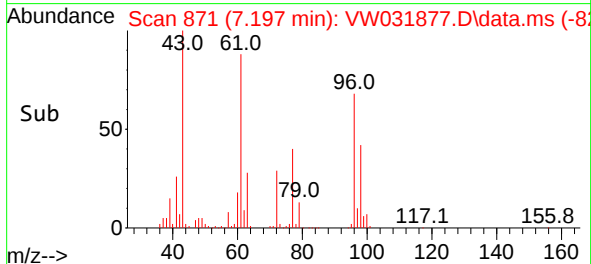
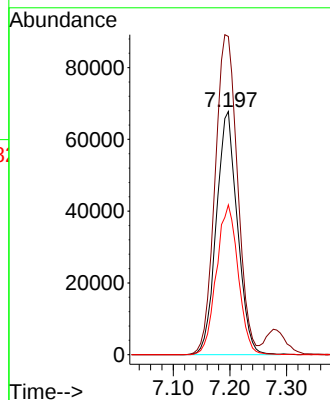
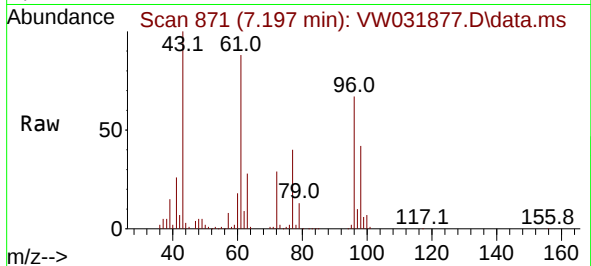




#27
 cis-1,2-Dichloroethene
 Concen: 57.012 ug/l
 RT: 7.197 min Scan# 871
 Delta R.T. 0.006 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

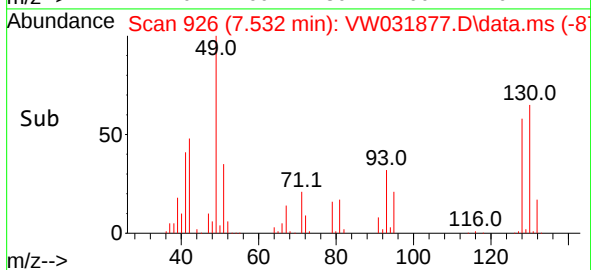
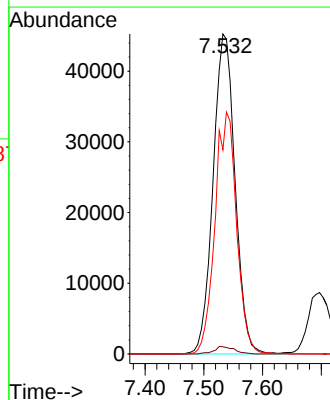
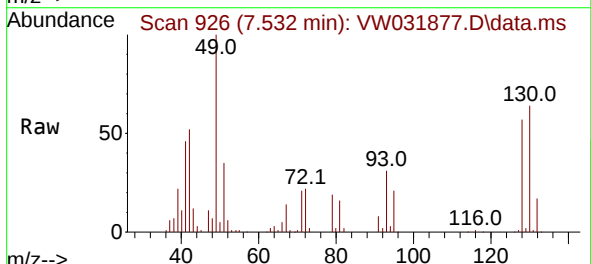
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 175253
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 286.8
 98 63.5 0.0 130.4



#28
 Bromochloromethane
 Concen: 54.531 ug/l
 RT: 7.532 min Scan# 926
 Delta R.T. 0.000 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

Tgt Ion: 49 Resp: 117494
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.4
 130 74.4 61.3 91.9

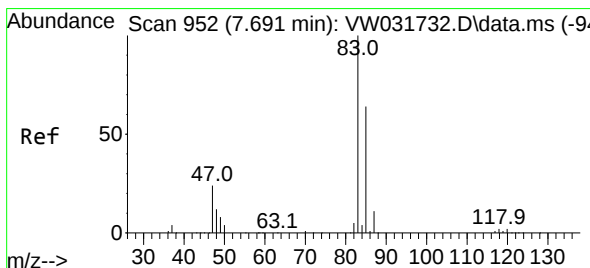
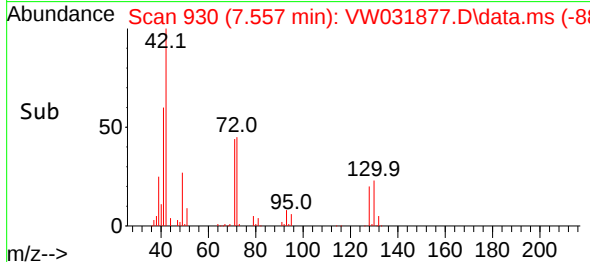
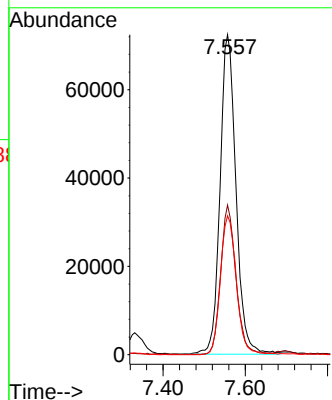
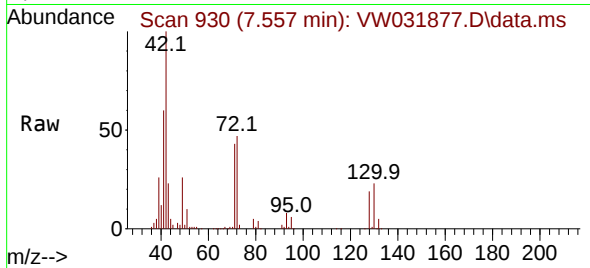




#29
Tetrahydrofuran
Concen: 291.427 ug/l
RT: 7.557 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

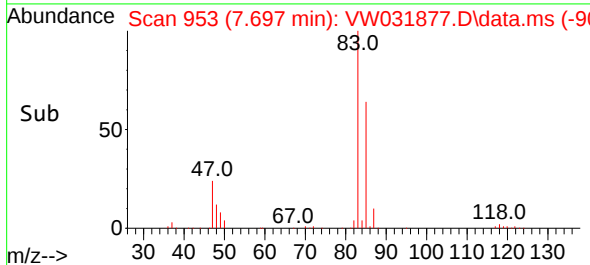
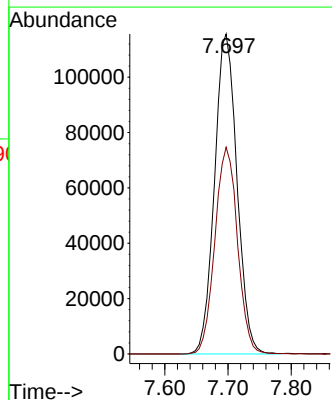
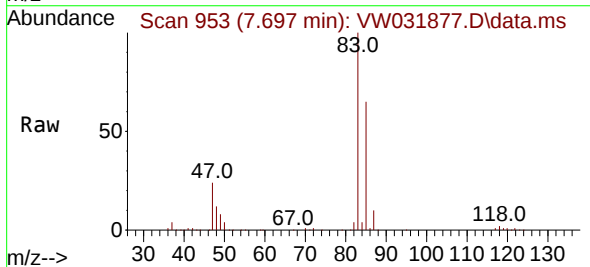
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

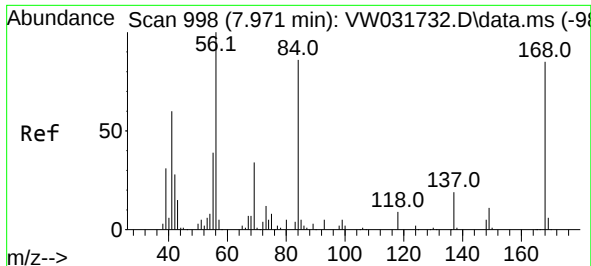
Tgt Ion: 42 Resp: 194529
Ion Ratio Lower Upper
42 100
72 44.8 36.8 55.2
71 43.6 34.6 52.0



#30
Chloroform
Concen: 54.887 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 83 Resp: 284761
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.0

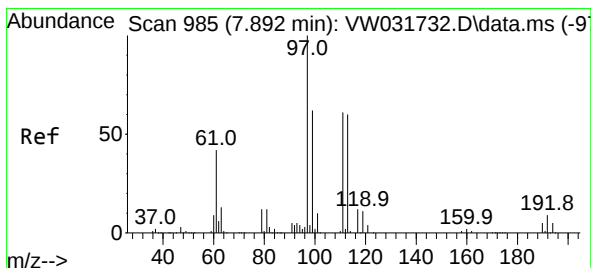
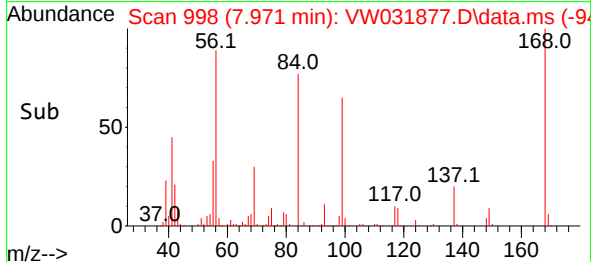
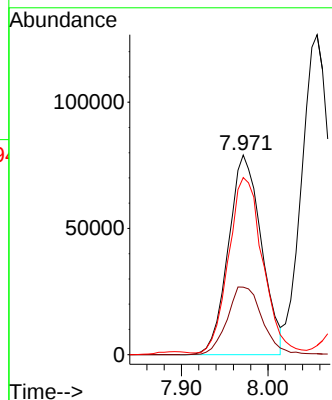
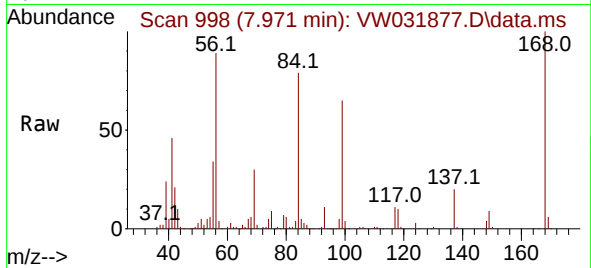




#31
Cyclohexane
Concen: 48.612 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

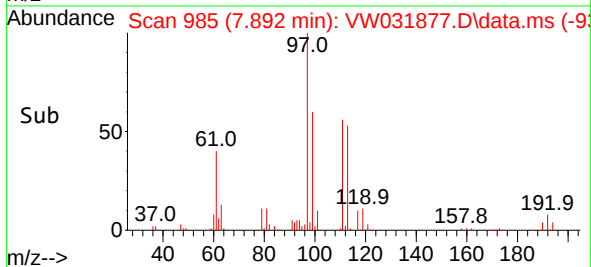
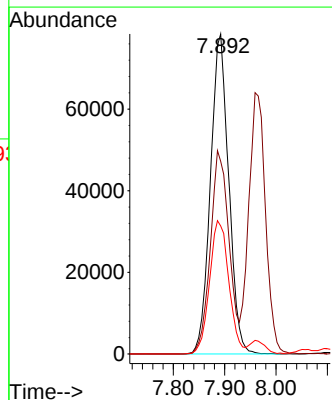
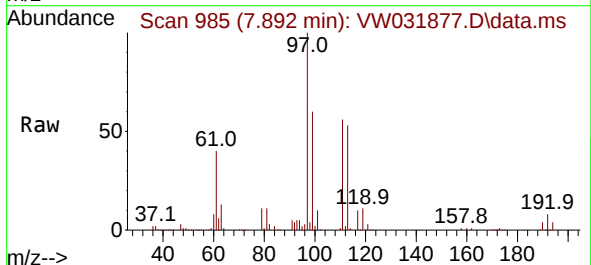
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

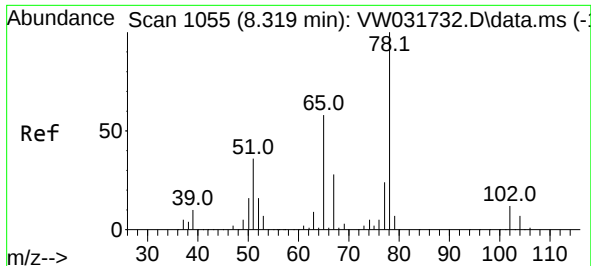
Tgt Ion: 56 Resp: 209808
Ion Ratio Lower Upper
56 100
69 33.8 27.2 40.8
84 87.3 68.5 102.7



#32
1,1,1-Trichloroethane
Concen: 48.391 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 97 Resp: 193479
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.6
61 44.2 36.0 54.0

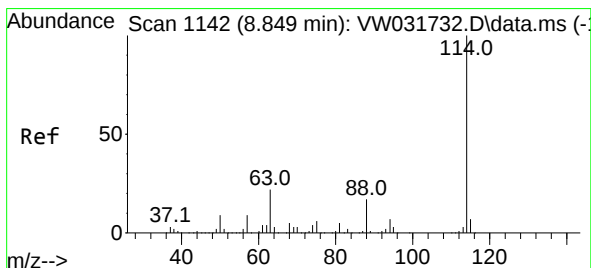
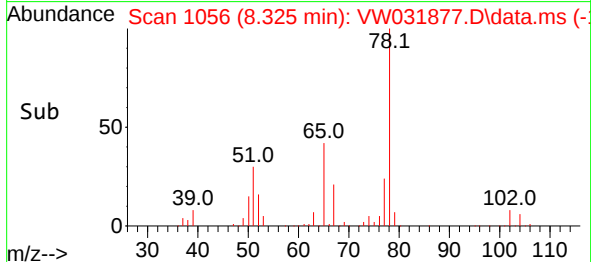
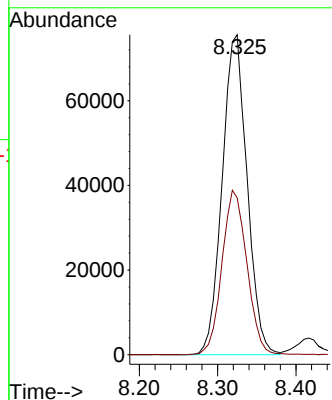
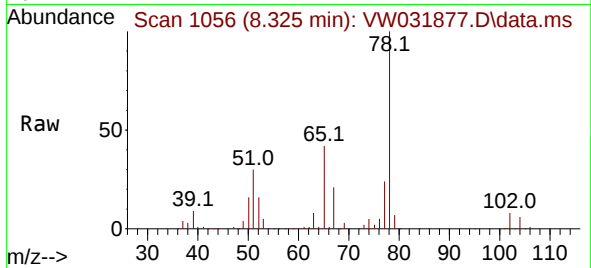




#33
 1,2-Dichloroethane-d4
 Concen: 55.130 ug/l
 RT: 8.325 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

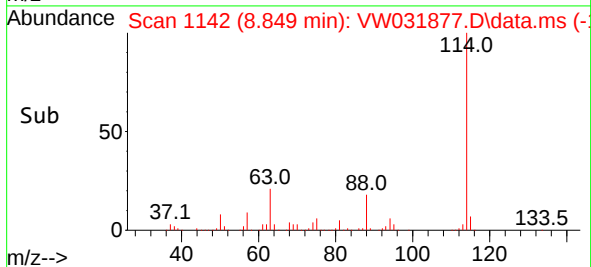
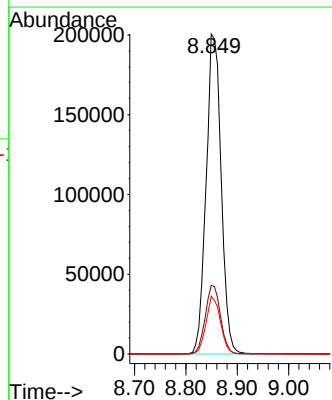
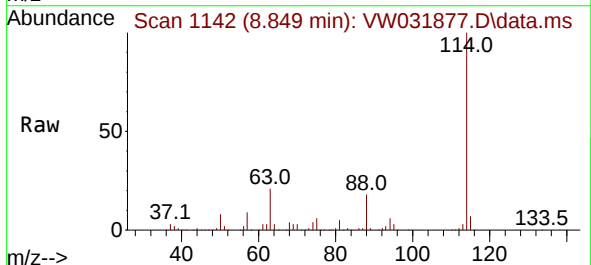
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

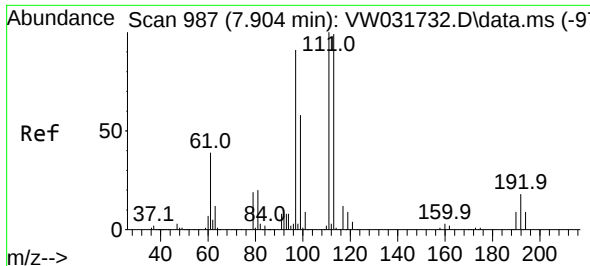
Tgt Ion: 65 Resp: 167110
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

Tgt Ion: 114 Resp: 408001
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.6
 88 18.0 0.0 34.2

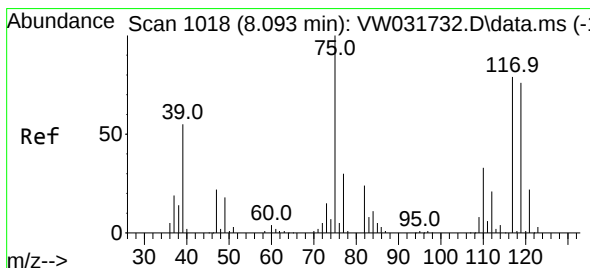
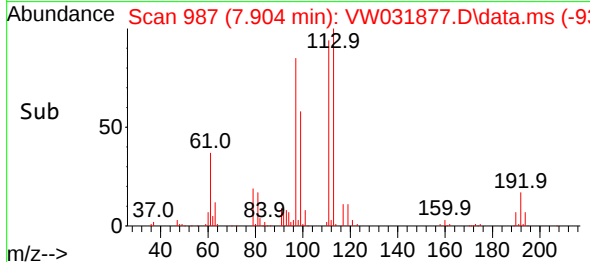
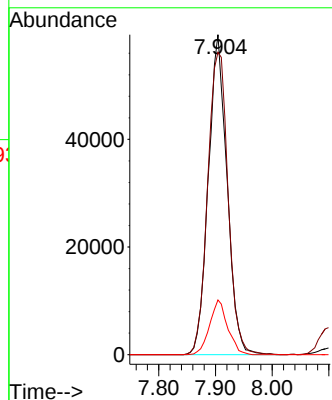
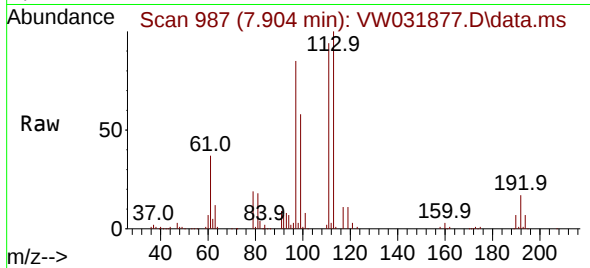




#35
 Dibromofluoromethane
 Concen: 51.148 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

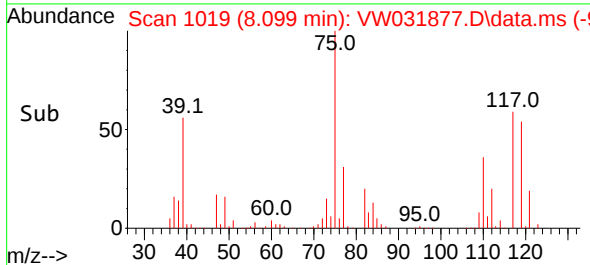
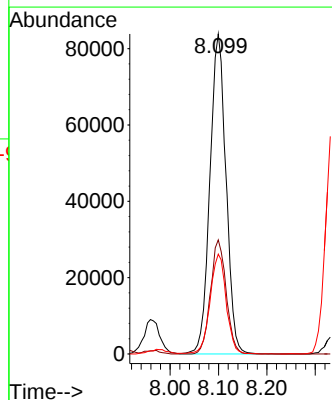
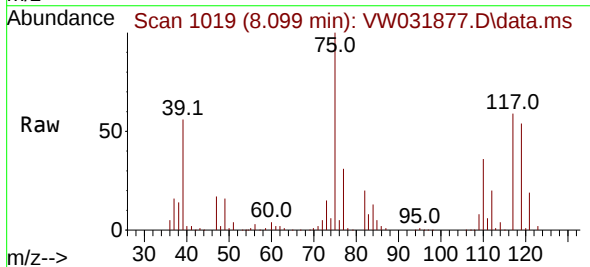
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

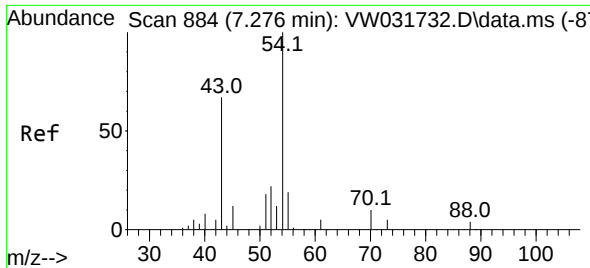
Tgt Ion:113 Resp: 136176
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.1 123.1
 192 16.5 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 50.314 ug/l
 RT: 8.099 min Scan# 1019
 Delta R.T. 0.006 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

Tgt Ion: 75 Resp: 193838
 Ion Ratio Lower Upper
 75 100
 110 34.7 16.8 50.4
 77 31.3 25.0 37.6

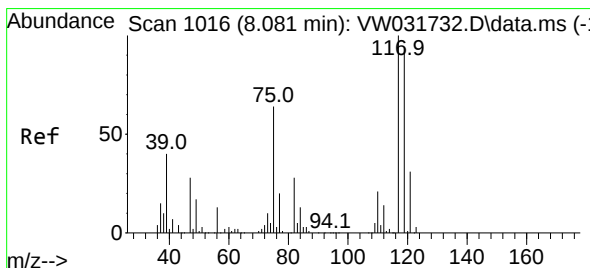
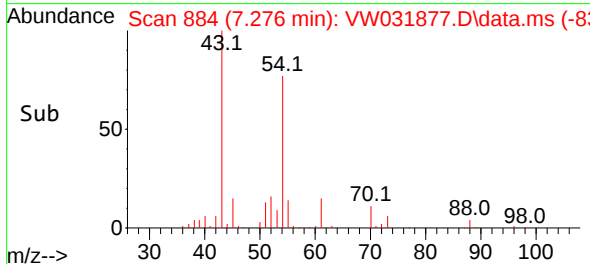
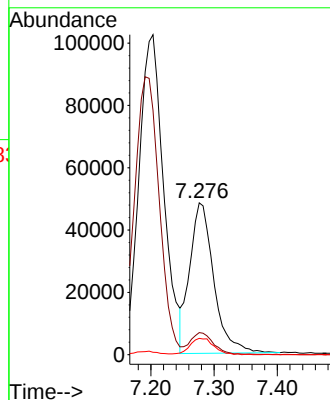
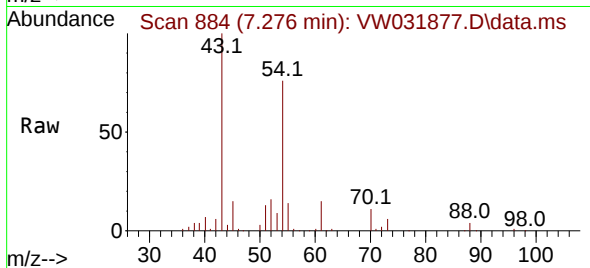




#37
Ethyl Acetate
Concen: 52.534 ug/l
RT: 7.276 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

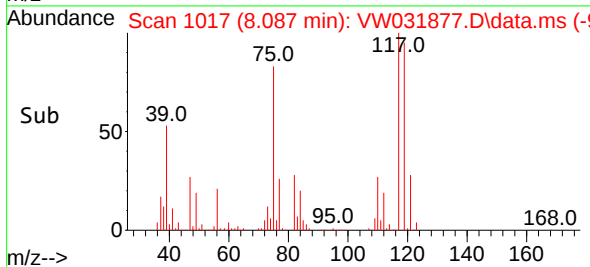
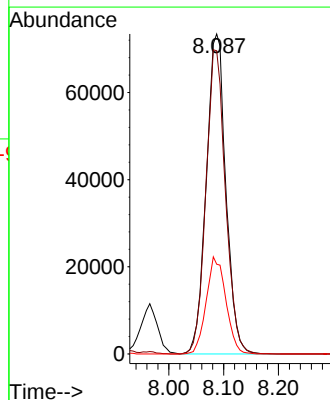
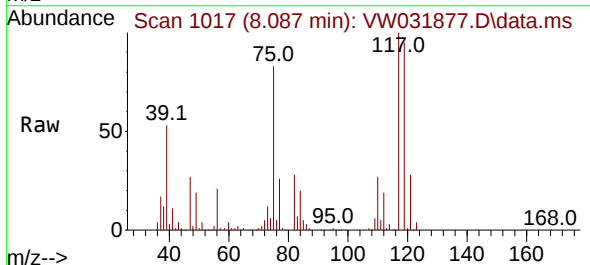
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

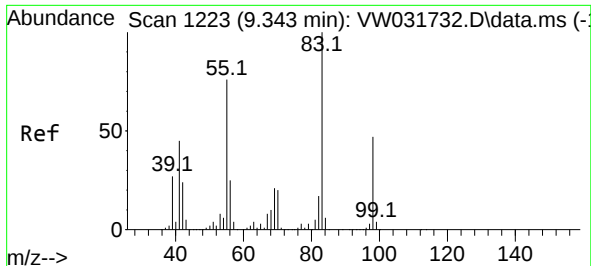
Tgt Ion: 43 Resp: 127674
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 10.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 46.359 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 117 Resp: 181999
Ion Ratio Lower Upper
117 100
119 94.7 75.0 112.6
121 28.0 24.6 37.0





#39

Methylcyclohexane

Concen: 51.764 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

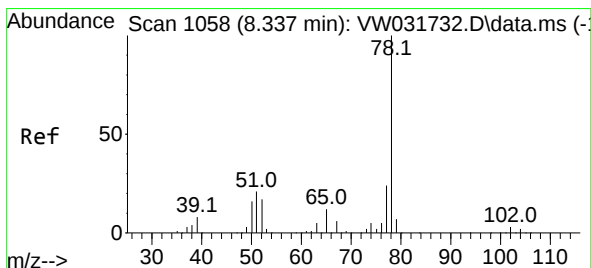
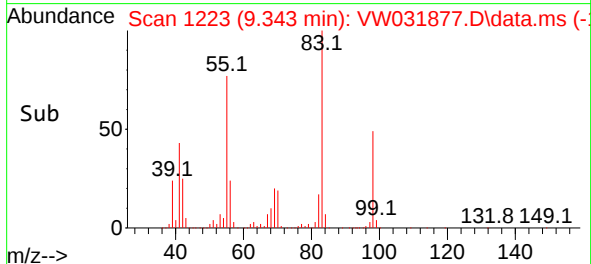
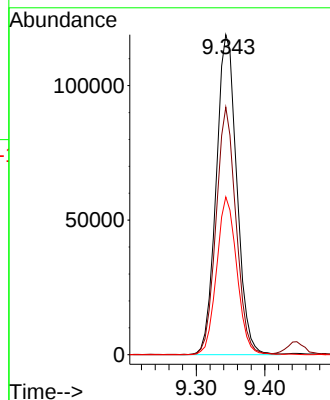
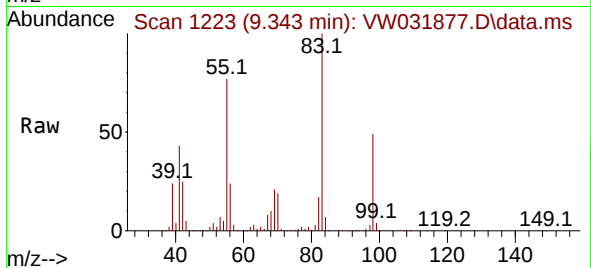
Tgt Ion: 83 Resp: 248120

Ion Ratio Lower Upper

83 100

55 77.3 61.0 91.4

98 49.3 37.9 56.9



#40

Benzene

Concen: 51.521 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031877.D

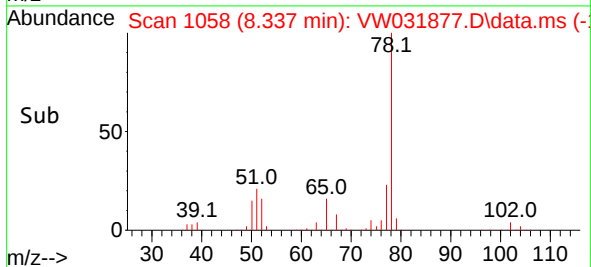
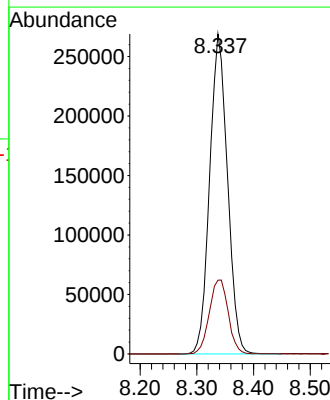
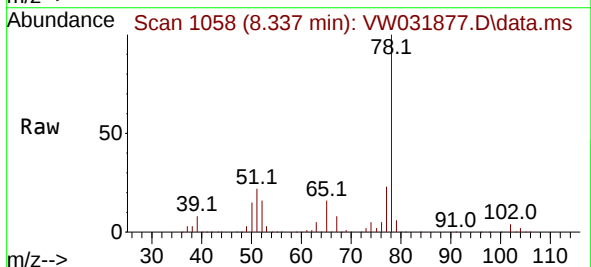
Acq: 16 Jul 2025 16:00

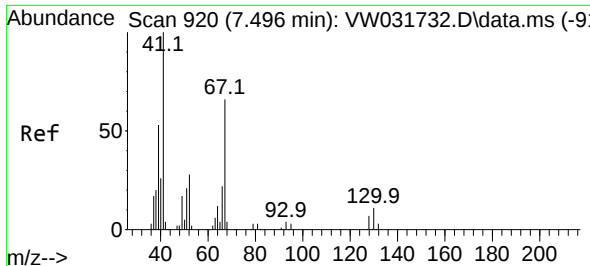
Tgt Ion: 78 Resp: 587248

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8

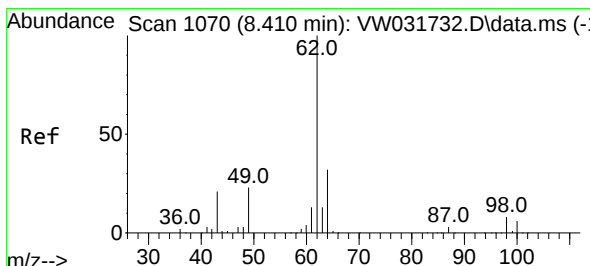
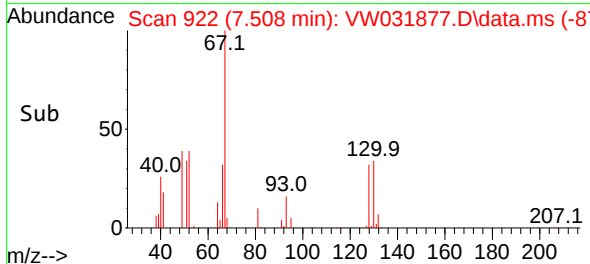
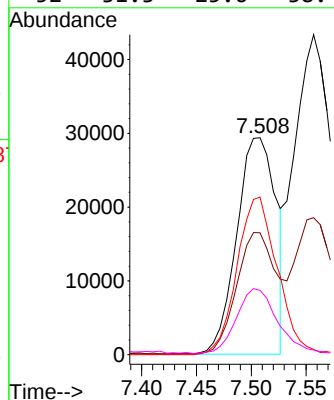
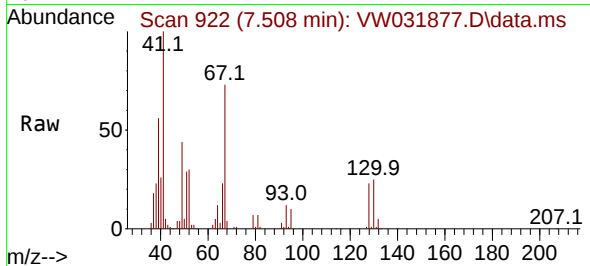




#41
Methacrylonitrile
Concen: 56.116 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.012 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

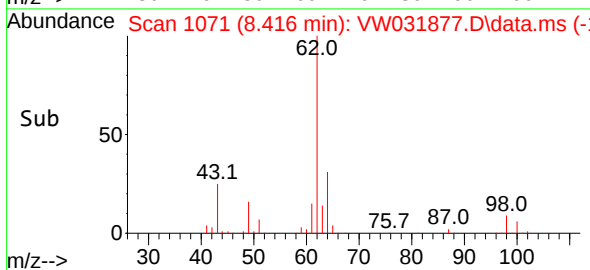
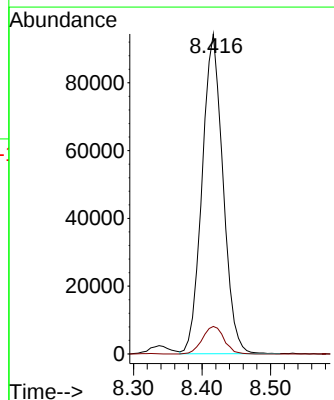
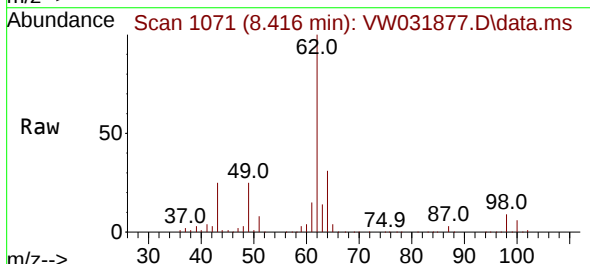
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

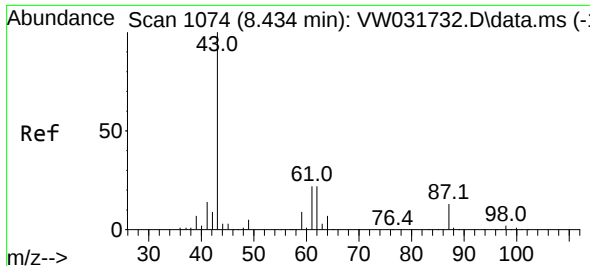
Tgt Ion:	41	Resp:	73057
Ion	Ratio	Lower	Upper
41	100		
39	59.8	43.2	64.8
67	75.4	58.1	87.1
52	31.3	25.6	38.4



#42
1,2-Dichloroethane
Concen: 51.954 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion:	62	Resp:	200093
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2

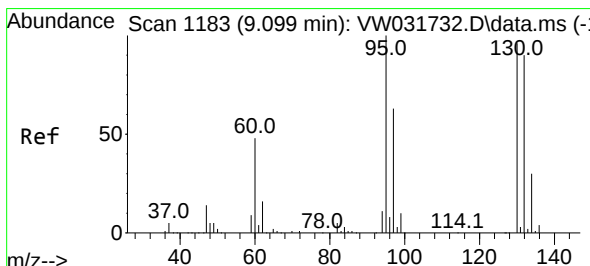
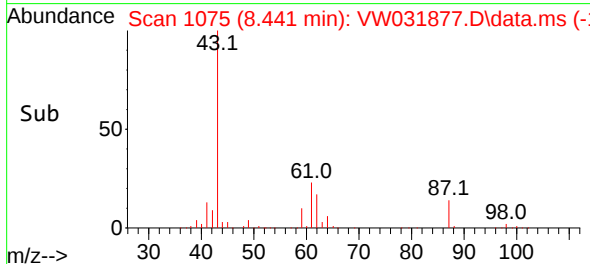
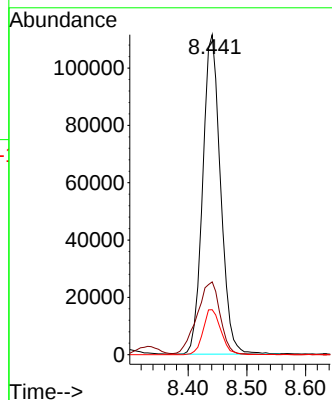
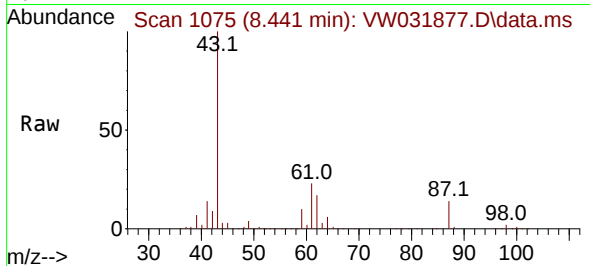




#43
Isopropyl Acetate
Concen: 56.131 ug/l
RT: 8.441 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

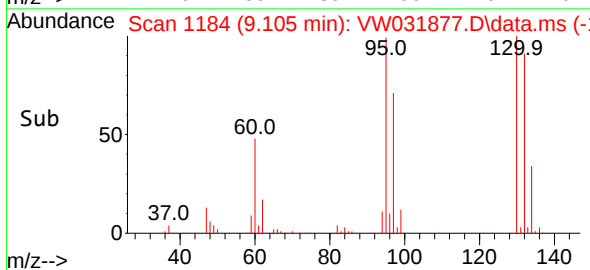
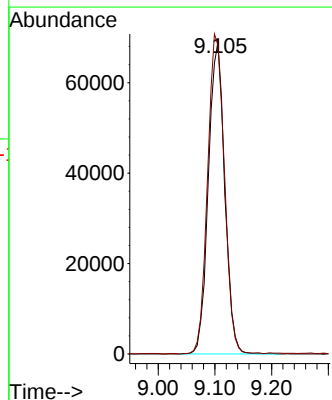
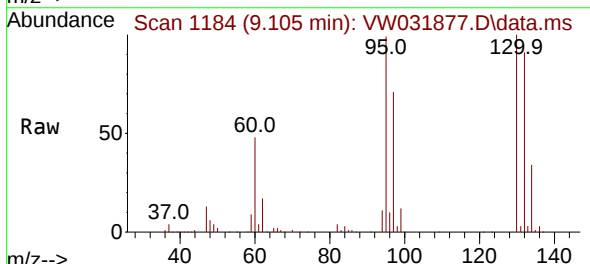
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

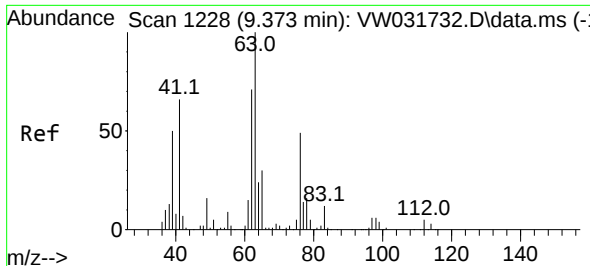
Tgt Ion: 43 Resp: 235152
Ion Ratio Lower Upper
43 100
61 29.6 23.1 34.7
87 14.1 10.8 16.2



#44
Trichloroethene
Concen: 48.488 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion:130 Resp: 137945
Ion Ratio Lower Upper
130 100
95 99.2 0.0 208.6

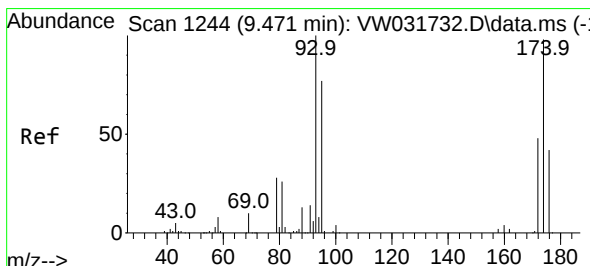
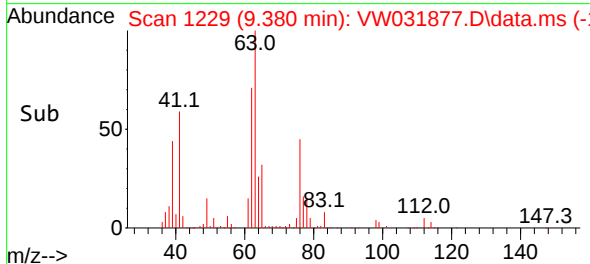
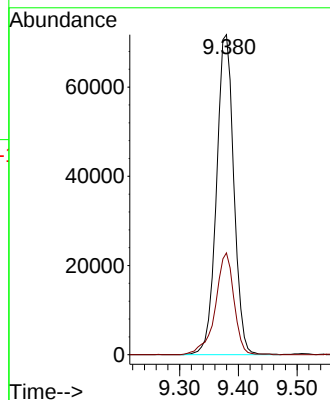
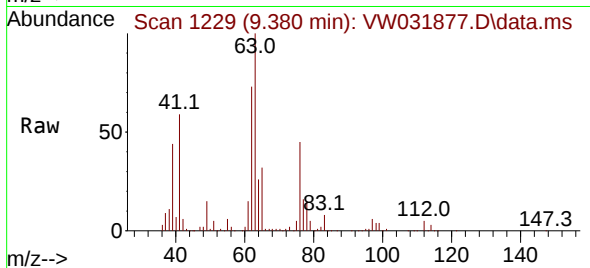




#45
1,2-Dichloropropane
Concen: 53.257 ug/l
RT: 9.380 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

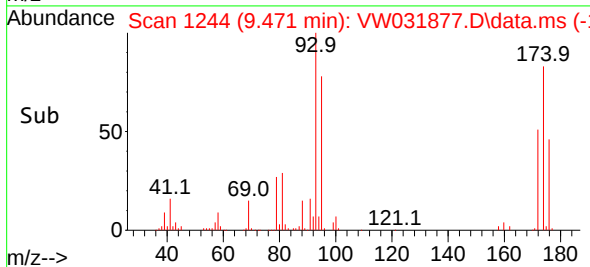
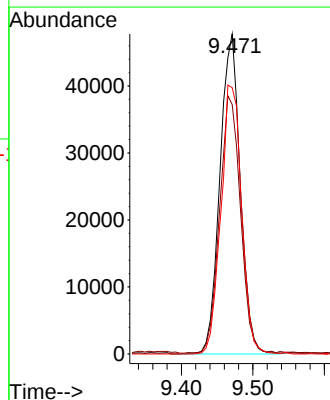
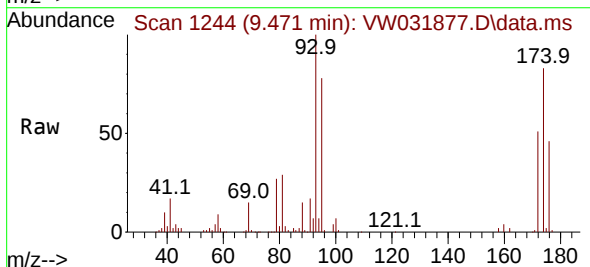
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

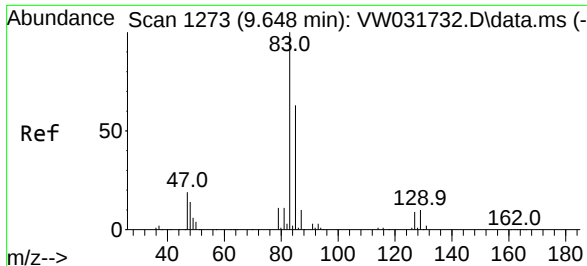
Tgt Ion: 63 Resp: 146714
Ion Ratio Lower Upper
63 100
65 31.8 24.2 36.4



#46
Dibromomethane
Concen: 53.061 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 93 Resp: 94370
Ion Ratio Lower Upper
93 100
95 82.3 67.0 100.4
174 85.3 71.7 107.5

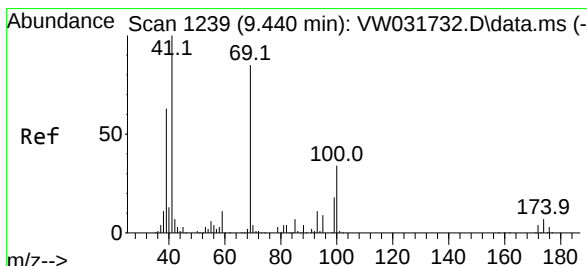
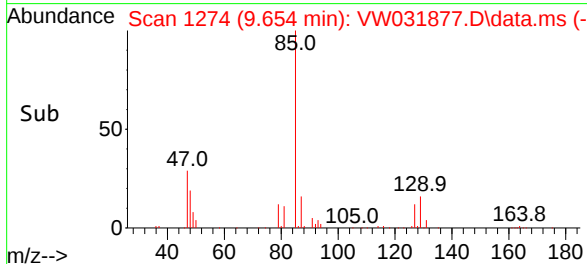
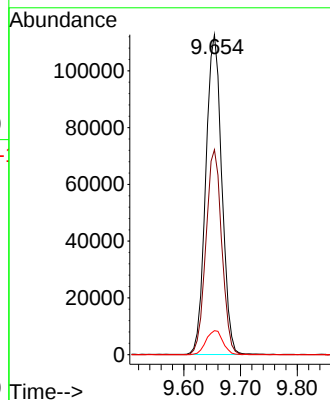
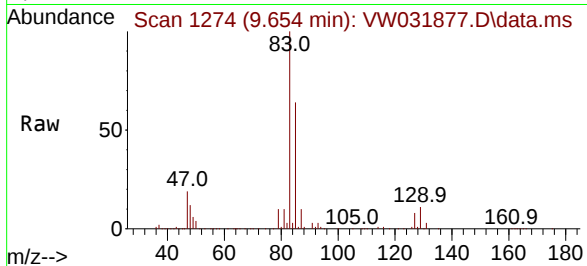




#47
Bromodichloromethane
Concen: 52.958 ug/l
RT: 9.654 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

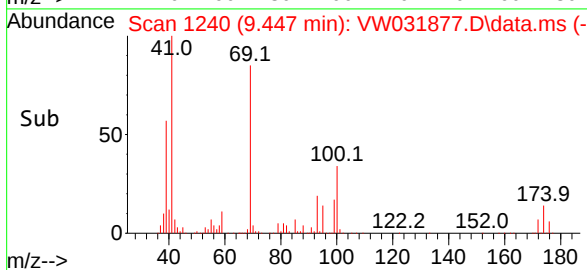
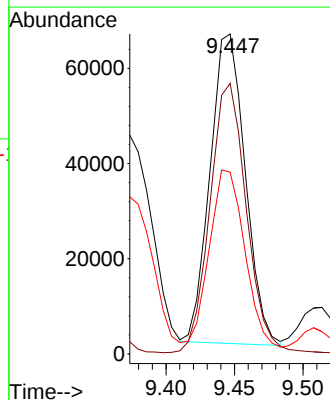
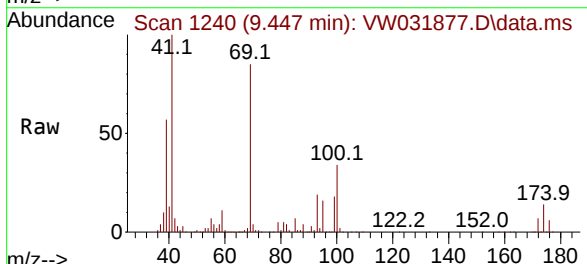
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

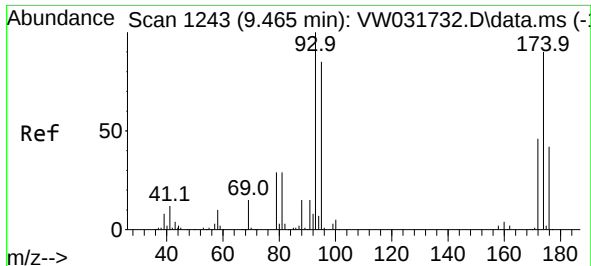
Tgt Ion: 83 Resp: 220868
Ion Ratio Lower Upper
83 100
85 64.1 50.8 76.2
127 7.5 6.8 10.2



#48
Methyl methacrylate
Concen: 56.233 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 41 Resp: 115836
Ion Ratio Lower Upper
41 100
69 91.1 71.6 107.4
39 62.2 49.5 74.3





#49

1,4-Dioxane

Concen: 950.542 ug/l

RT: 9.465 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

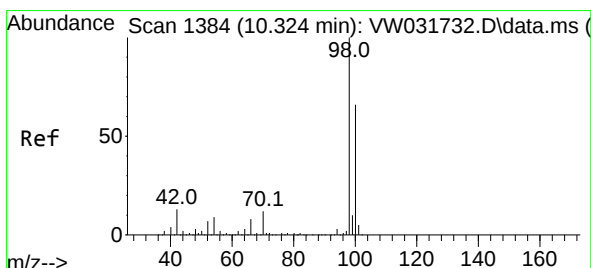
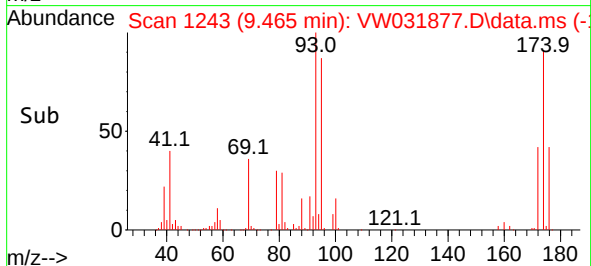
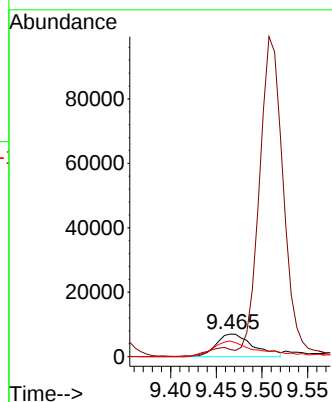
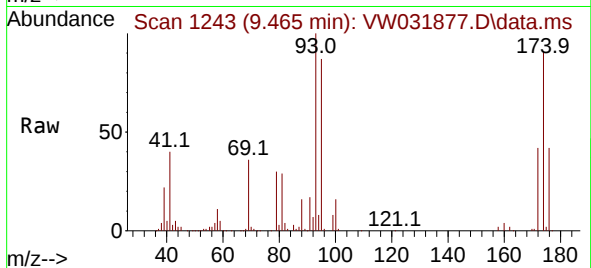
Tgt Ion: 88 Resp: 19800

Ion Ratio Lower Upper

88 100

43 27.5 0.0 0.0#

58 84.3 58.3 87.5



#50

Toluene-d8

Concen: 51.964 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031877.D

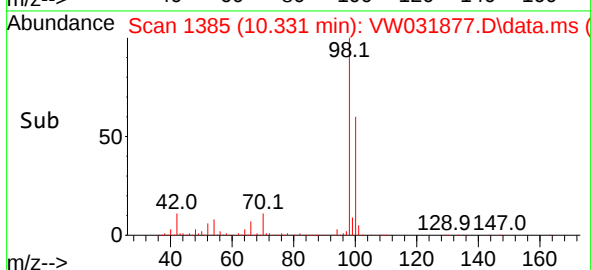
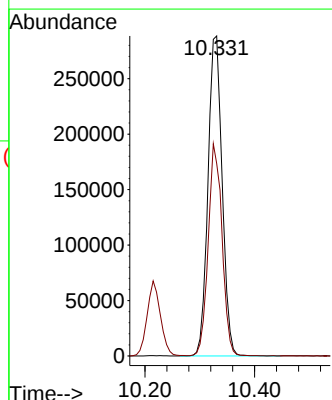
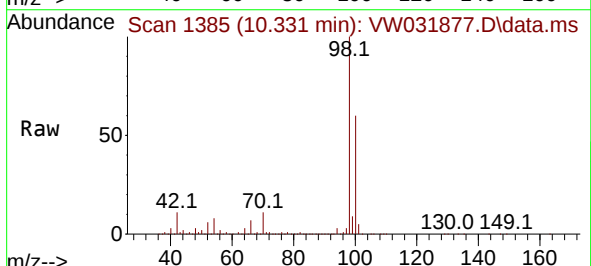
Acq: 16 Jul 2025 16:00

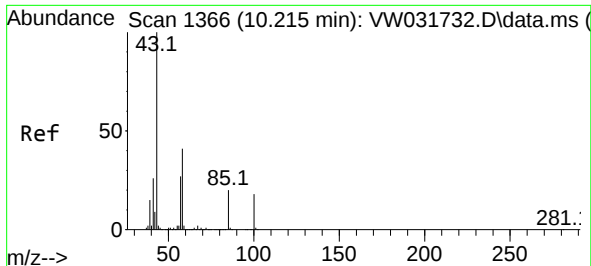
Tgt Ion: 98 Resp: 514850

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.4

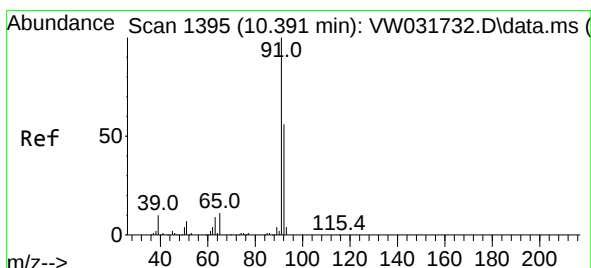
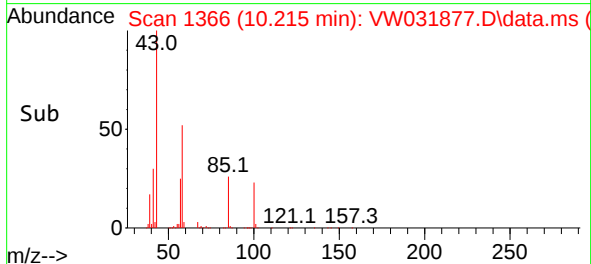
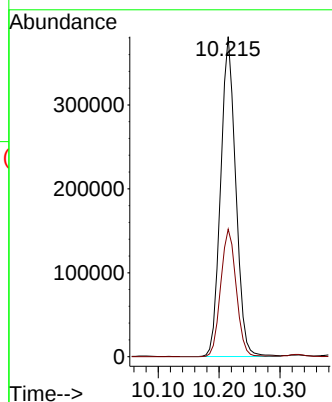
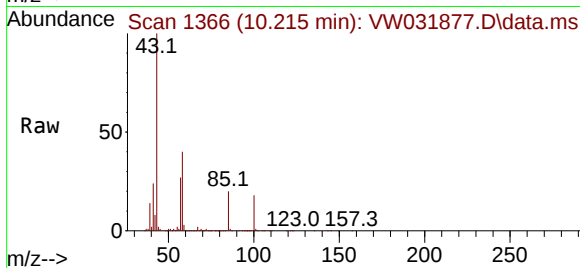




#51
4-Methyl-2-Pentanone
Concen: 273.068 ug/l
RT: 10.215 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

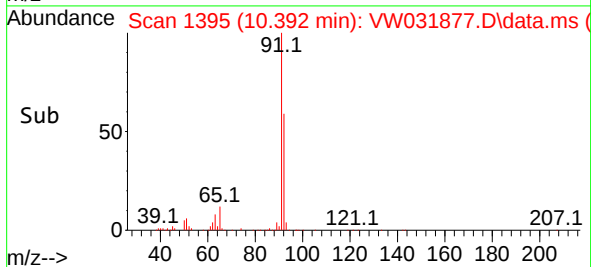
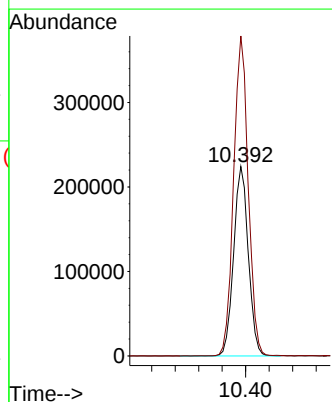
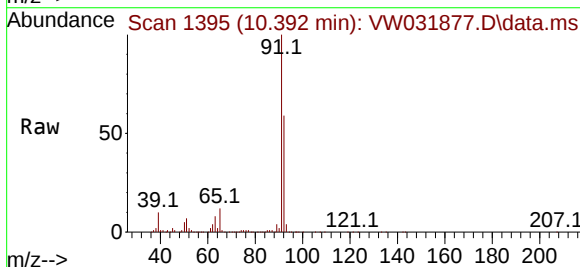
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

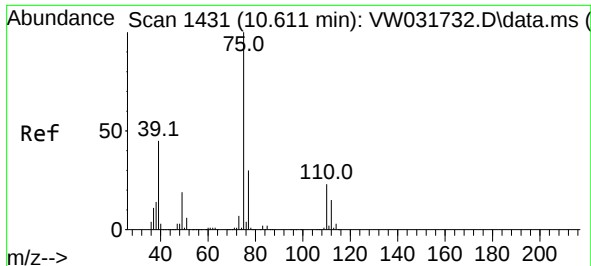
Tgt Ion: 43 Resp: 657679
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.2



#52
Toluene
Concen: 53.281 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 92 Resp: 388838
Ion Ratio Lower Upper
92 100
91 167.9 139.5 209.3

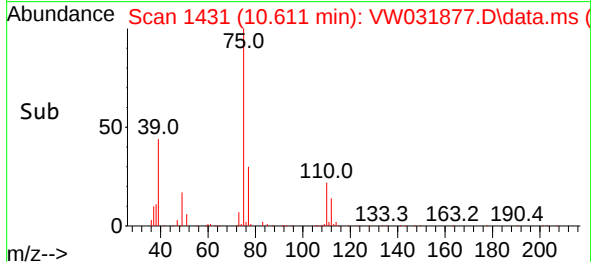
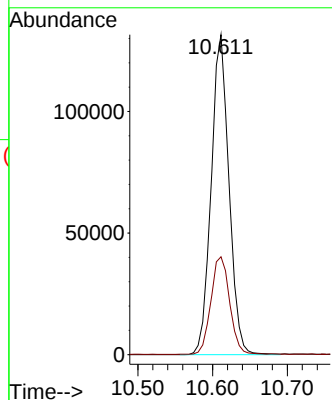
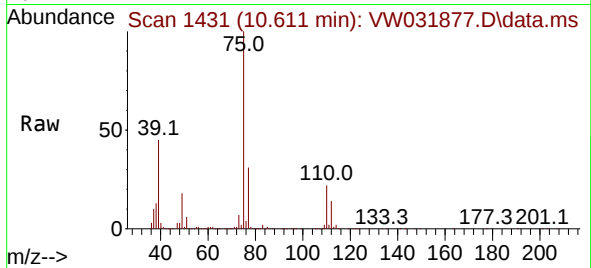




#53
t-1,3-Dichloropropene
Concen: 55.551 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

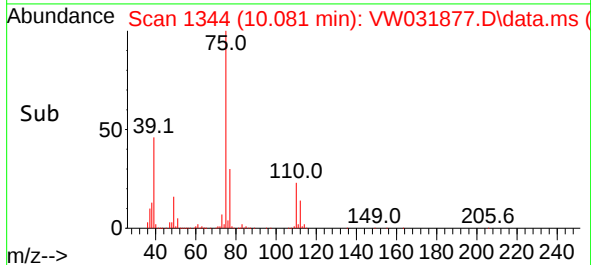
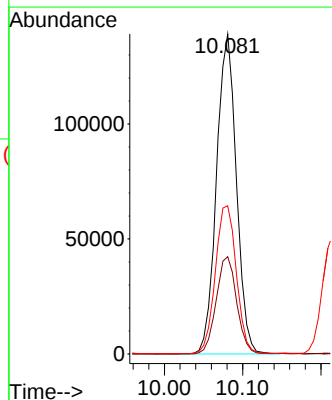
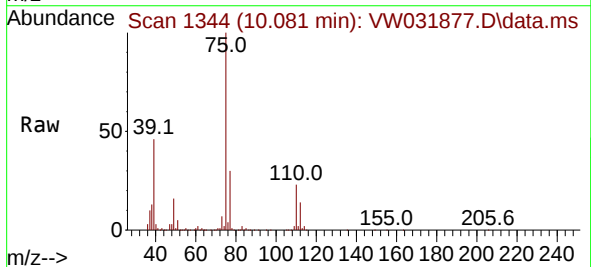
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

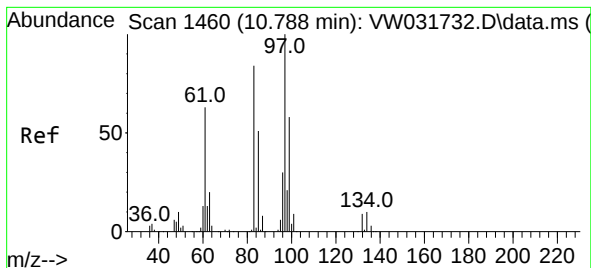
Tgt Ion: 75 Resp: 217374
Ion Ratio Lower Upper
75 100
77 30.4 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 55.305 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 75 Resp: 245334
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.2
39 46.1 41.8 62.6



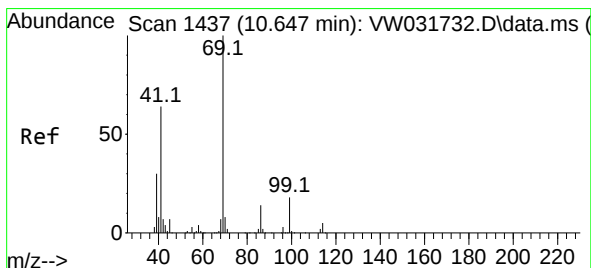
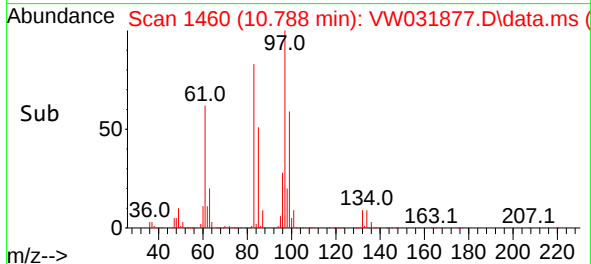
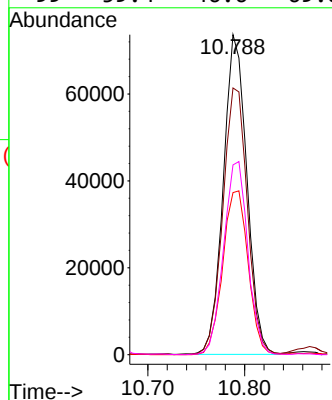
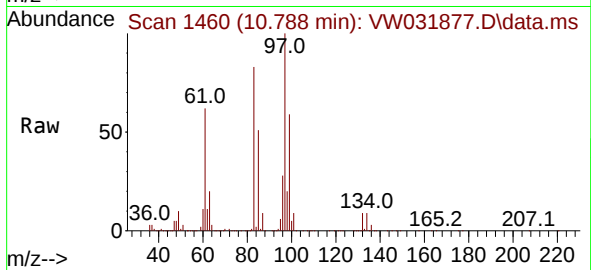


#55
1,1,2-Trichloroethane
Concen: 53.407 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 124424

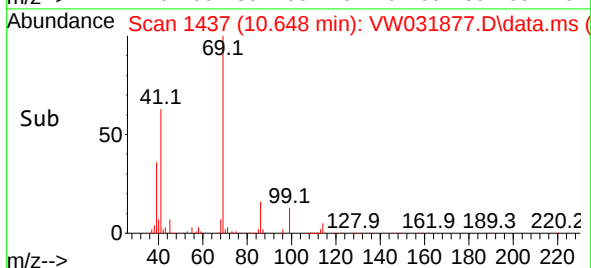
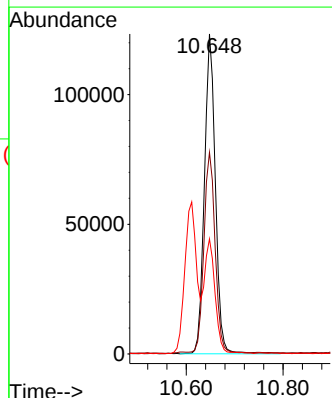
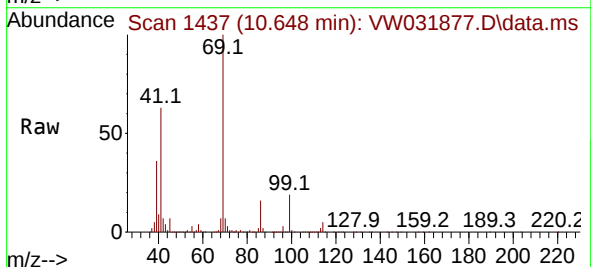
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.9	100.3
85	50.7	41.1	61.7
99	59.4	46.6	69.8

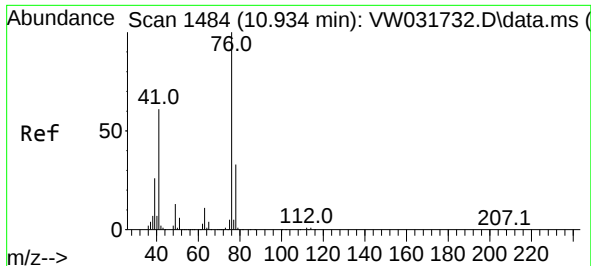


#56
Ethyl methacrylate
Concen: 61.355 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 69 Resp: 193923

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.3	79.9
39	35.1	30.2	45.2





#57

1,3-Dichloropropane

Concen: 54.035 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

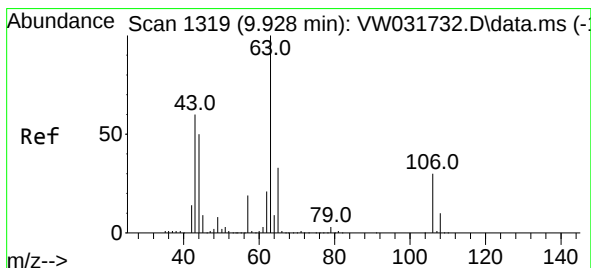
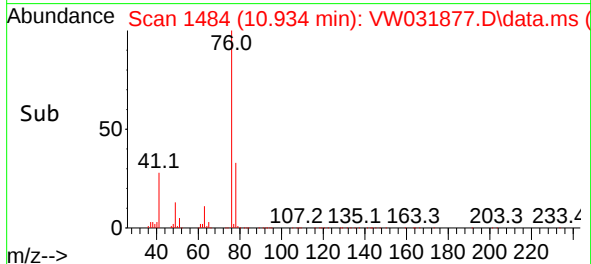
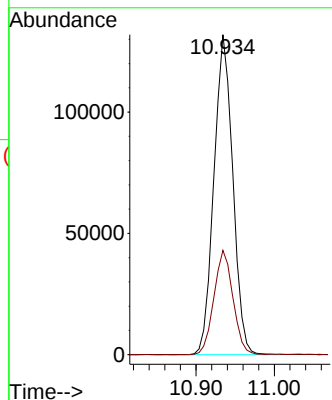
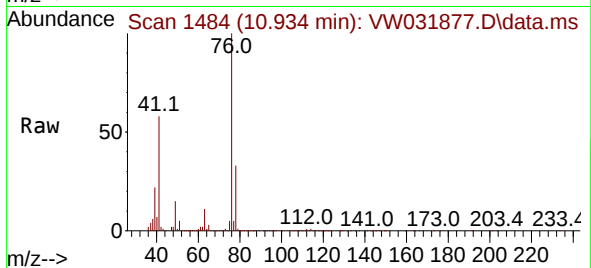
VSTDCCC050EC

Tgt Ion: 76 Resp: 221018

Ion Ratio Lower Upper

76 100

78 32.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 287.839 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031877.D

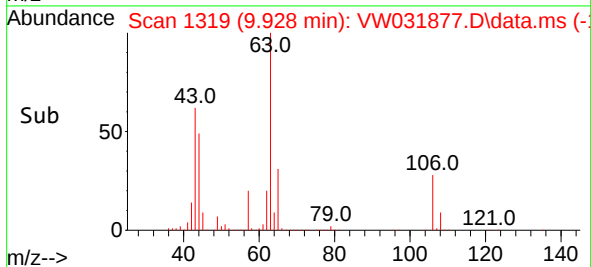
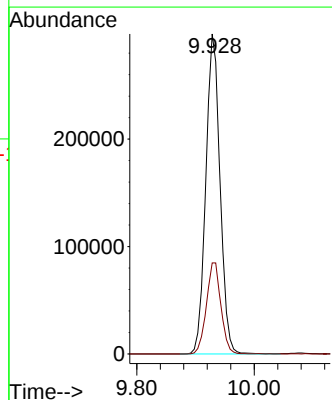
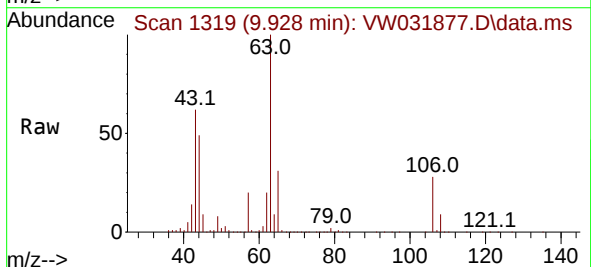
Acq: 16 Jul 2025 16:00

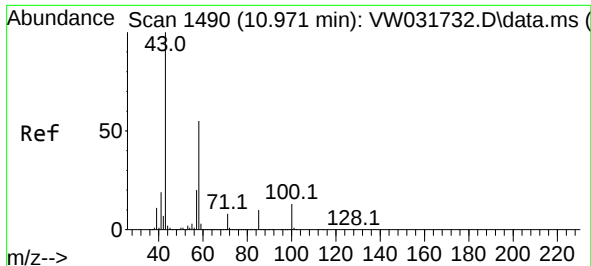
Tgt Ion: 63 Resp: 500958

Ion Ratio Lower Upper

63 100

106 29.1 24.1 36.1

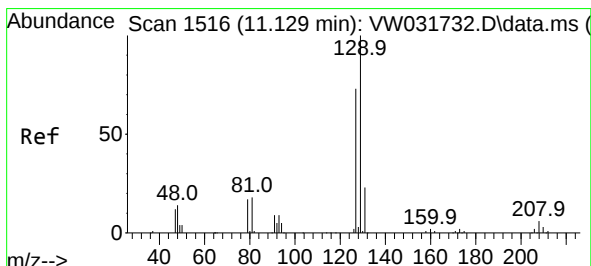
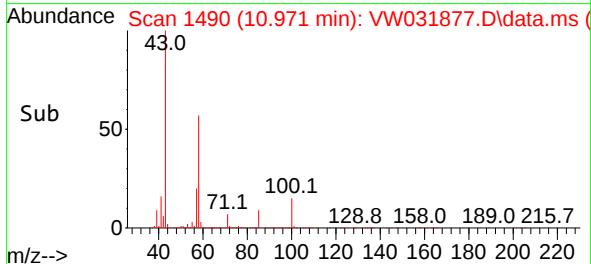
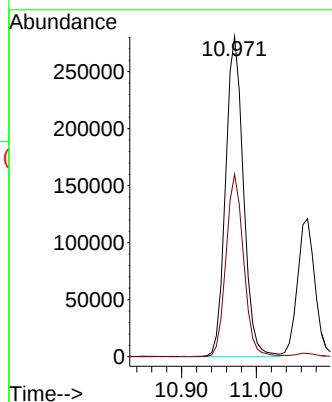
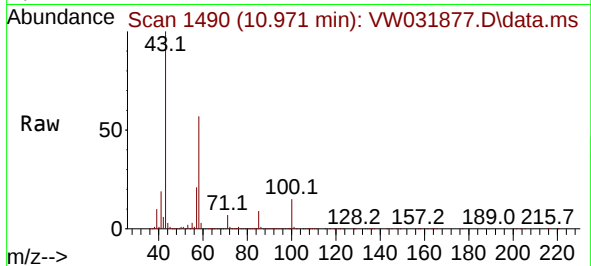




#59
2-Hexanone
Concen: 285.221 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

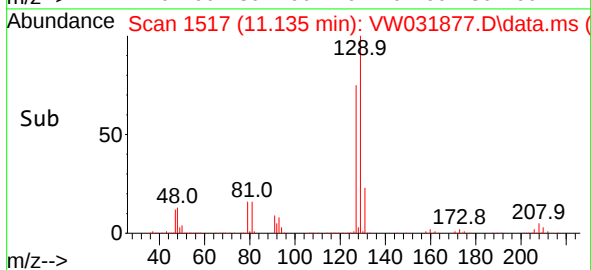
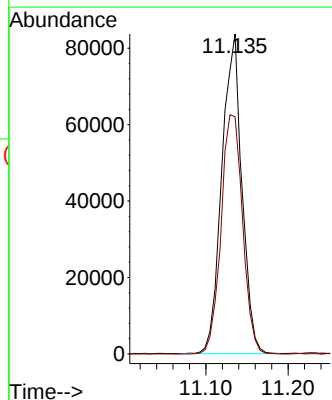
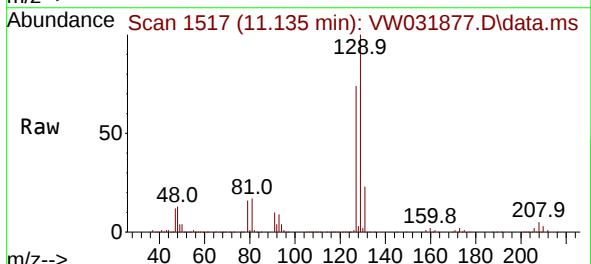
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

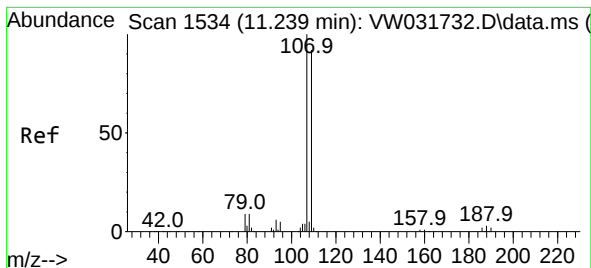
Tgt Ion: 43 Resp: 465504
Ion Ratio Lower Upper
43 100
58 56.3 27.9 83.6



#60
Dibromochloromethane
Concen: 50.936 ug/l
RT: 11.135 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion:129 Resp: 141904
Ion Ratio Lower Upper
129 100
127 80.1 38.0 114.1

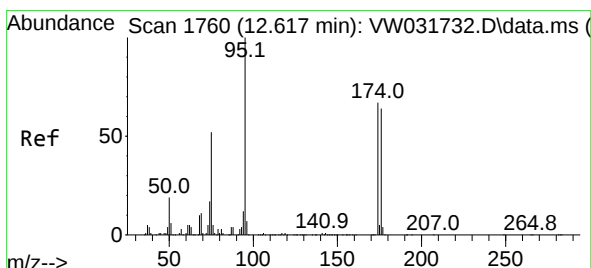
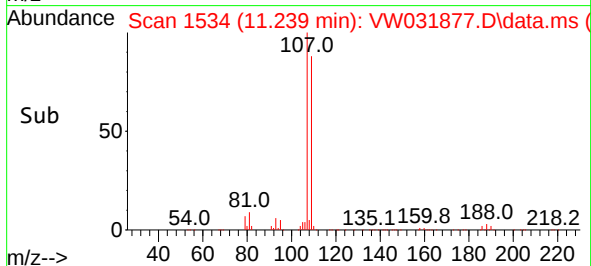
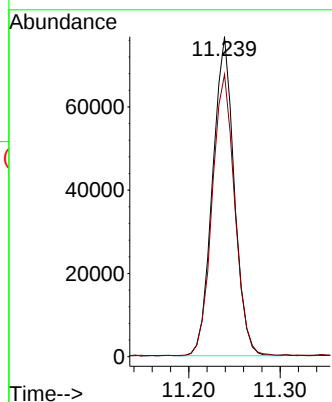
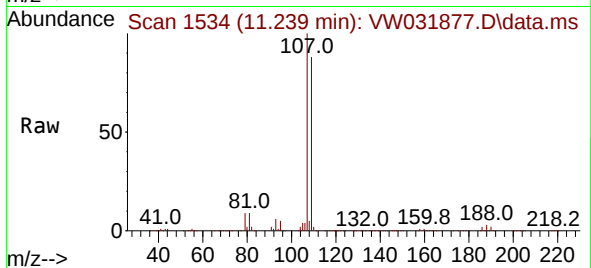




#61
1,2-Dibromoethane
Concen: 54.128 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

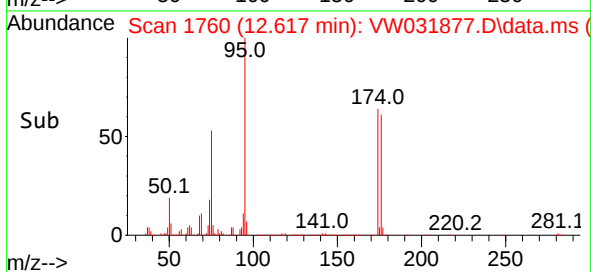
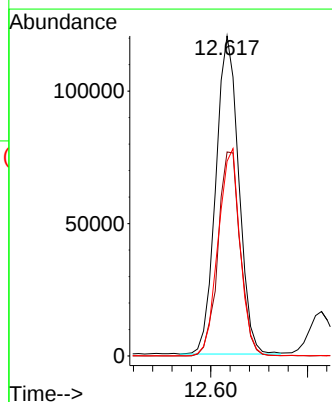
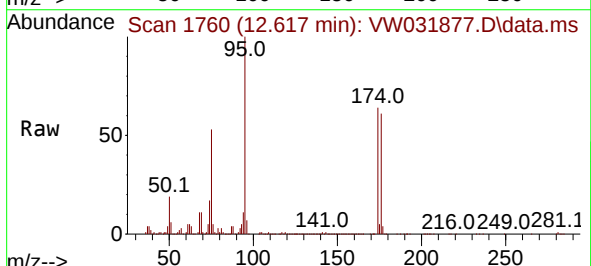
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

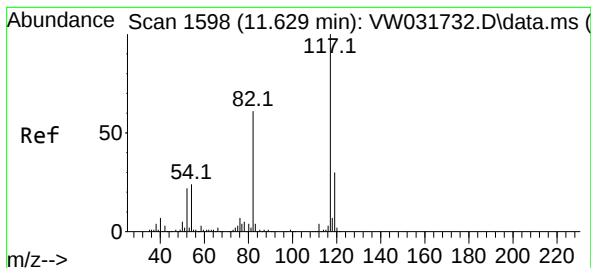
Tgt Ion:107 Resp: 126241
Ion Ratio Lower Upper
107 100
109 91.6 73.9 110.9



#62
4-Bromofluorobenzene
Concen: 54.115 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 95 Resp: 197308
Ion Ratio Lower Upper
95 100
174 62.3 0.0 133.8
176 62.3 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

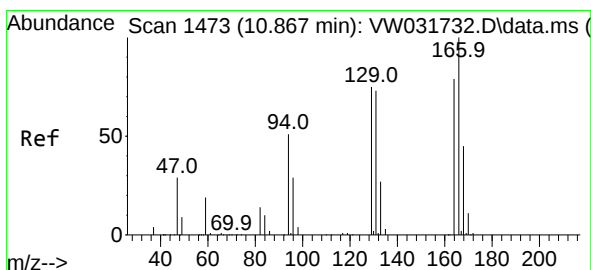
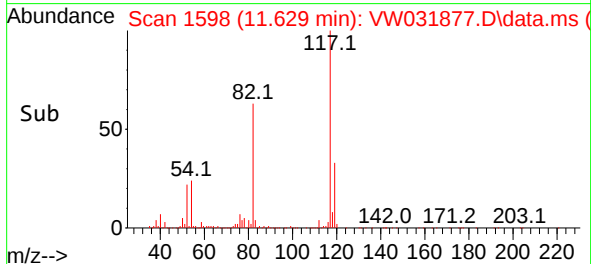
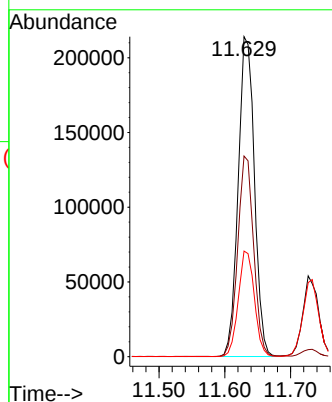
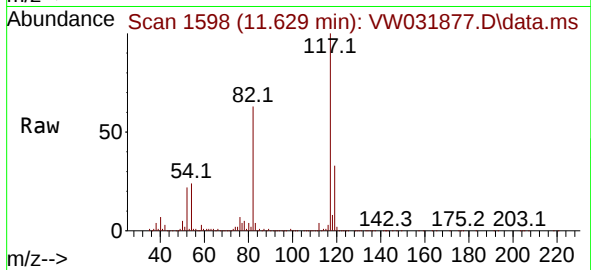
Tgt Ion:117 Resp: 367335

Ion Ratio Lower Upper

117 100

82 62.7 48.6 72.8

119 32.9 23.9 35.9



#64

Tetrachloroethene

Concen: 46.236 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Tgt Ion:164 Resp: 111095

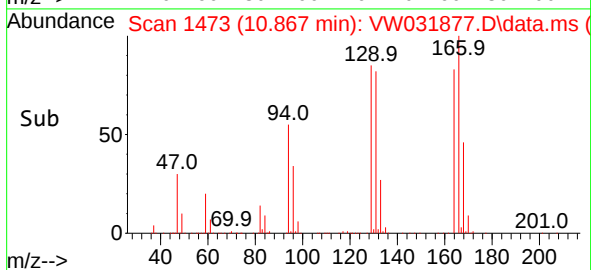
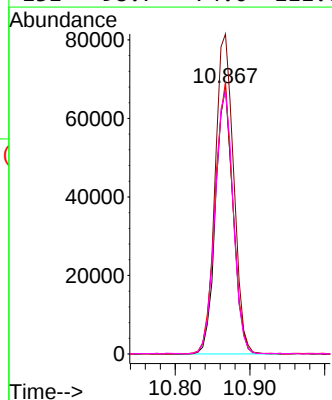
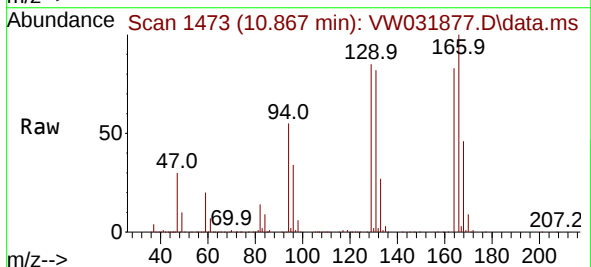
Ion Ratio Lower Upper

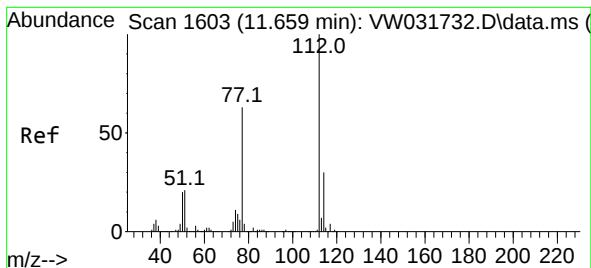
164 100

166 120.4 100.7 151.1

129 102.4 75.4 113.0

131 98.7 74.0 111.0





#65

Chlorobenzene

Concen: 50.151 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

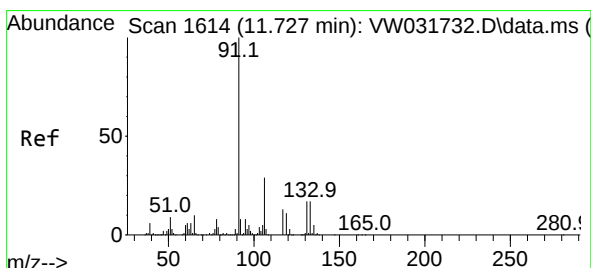
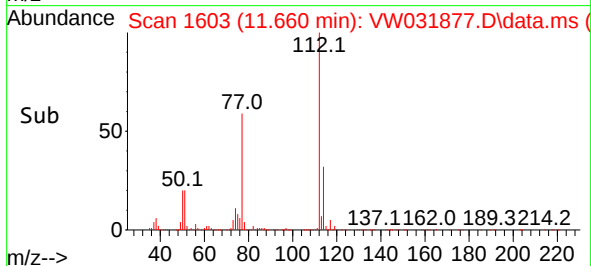
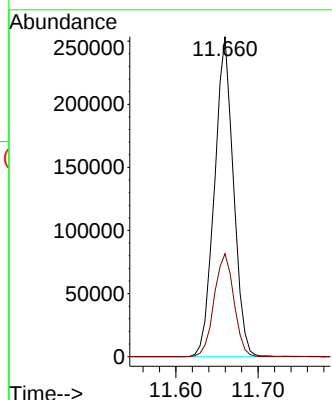
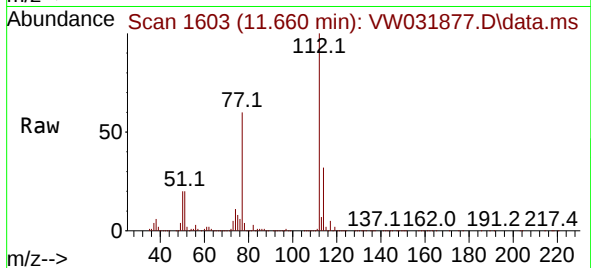
VSTDCCC050EC

Tgt Ion:112 Resp: 406455

Ion Ratio Lower Upper

112 100

114 32.2 23.8 35.8



#66

1,1,1,2-Tetrachloroethane

Concen: 52.731 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

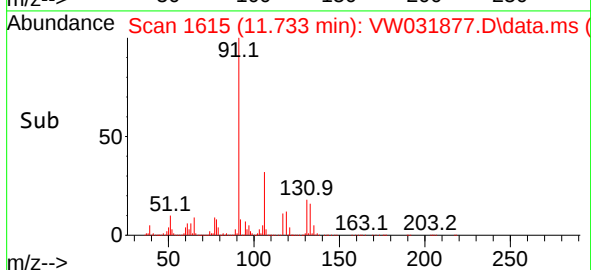
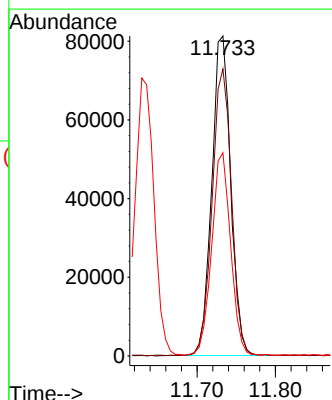
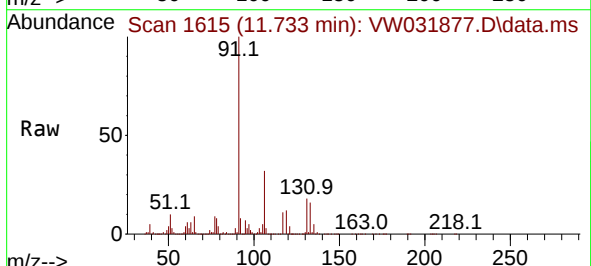
Tgt Ion:131 Resp: 136188

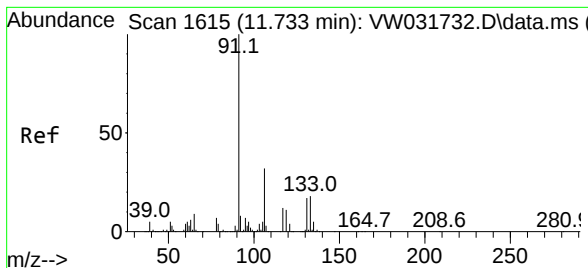
Ion Ratio Lower Upper

131 100

133 91.6 48.5 145.6

119 63.3 32.5 97.5

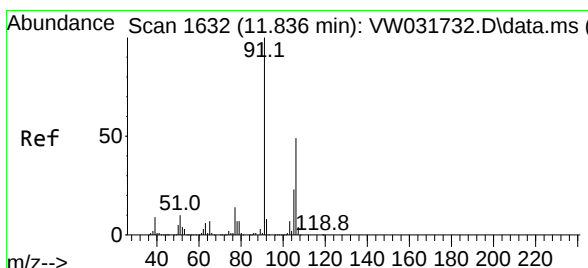
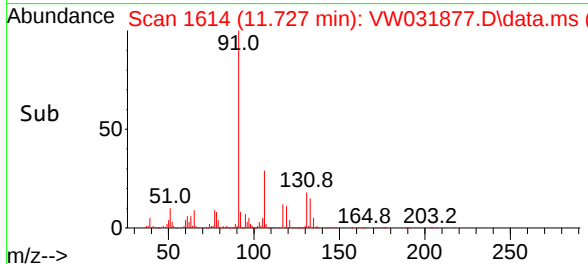
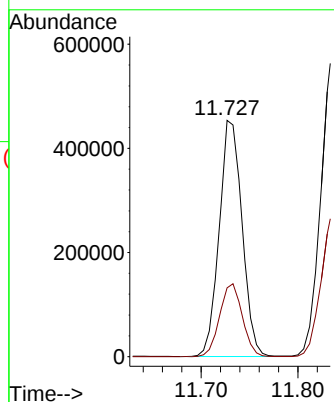
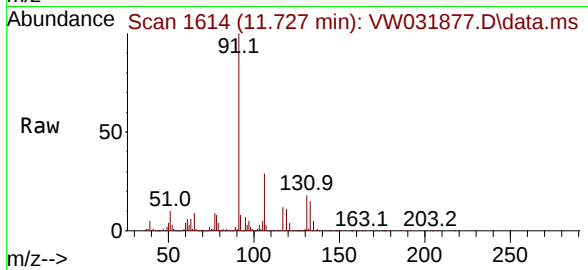




#67
Ethyl Benzene
Concen: 52.909 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

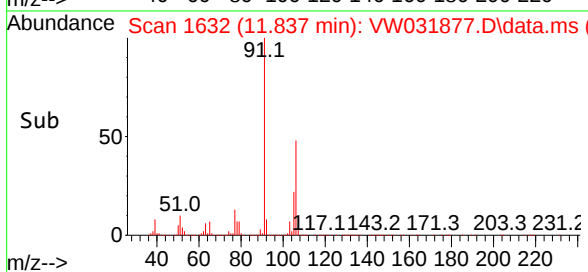
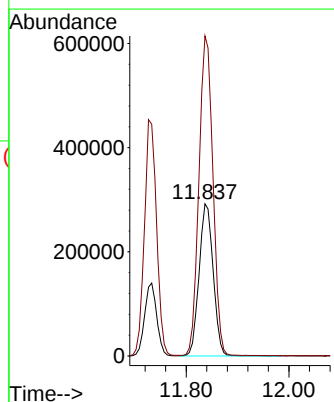
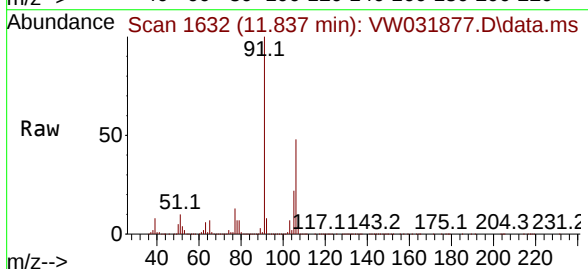
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

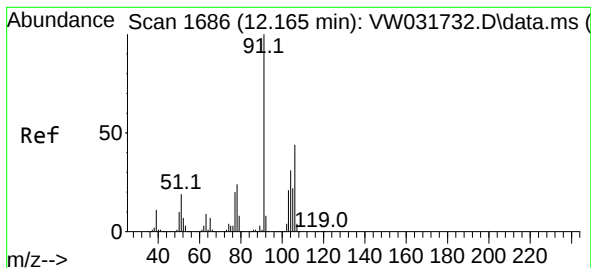
Tgt Ion: 91 Resp: 743566
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.2



#68
m/p-Xylenes
Concen: 102.550 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion:106 Resp: 554027
Ion Ratio Lower Upper
106 100
91 210.1 166.4 249.6





#69

o-Xylene

Concen: 55.135 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

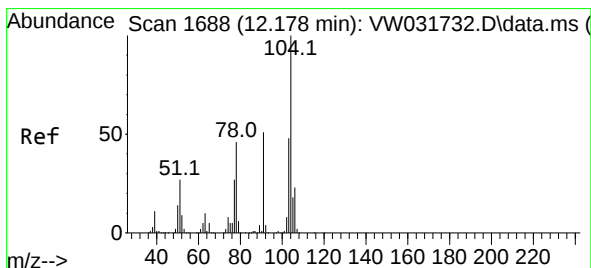
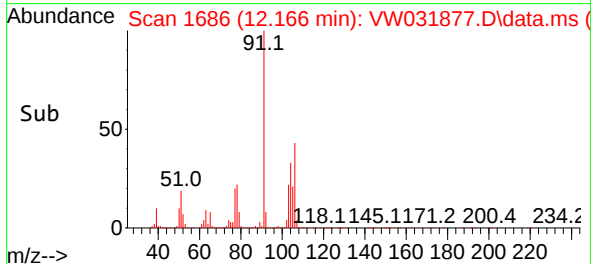
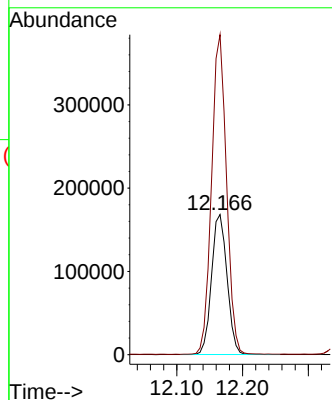
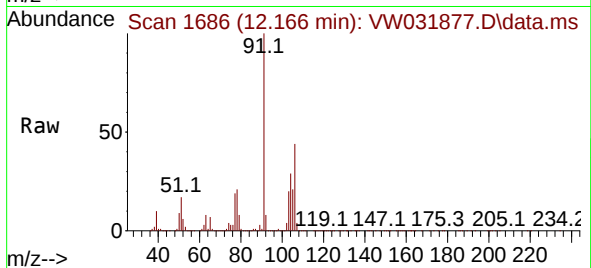
VSTDCCC050EC

Tgt Ion:106 Resp: 275794

Ion Ratio Lower Upper

106 100

91 220.3 111.5 334.4



#70

Styrene

Concen: 55.635 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

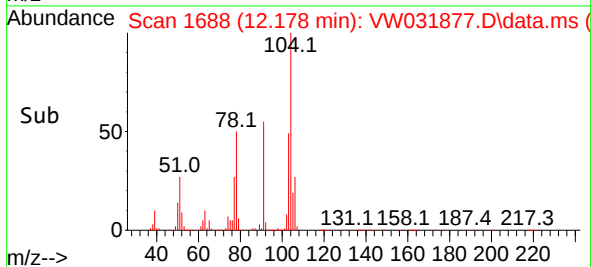
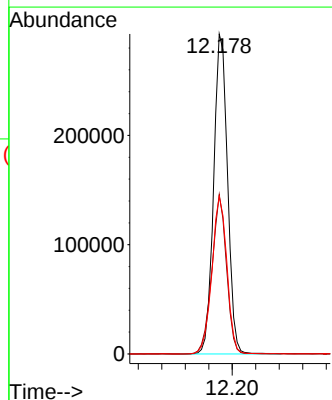
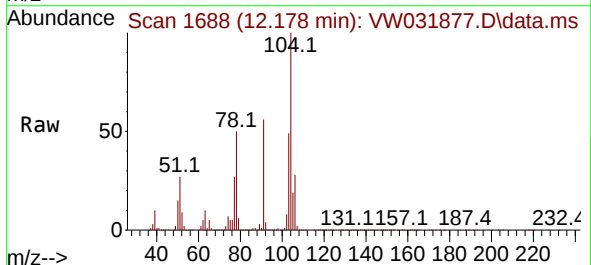
Tgt Ion:104 Resp: 481102

Ion Ratio Lower Upper

104 100

78 52.4 42.1 63.1

103 53.2 43.0 64.6





#71

Bromoform

Concen: 50.143 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

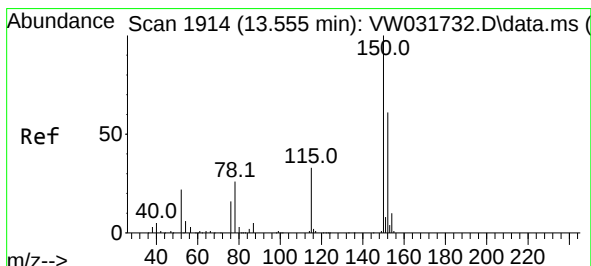
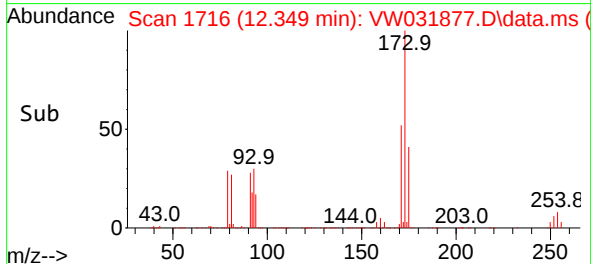
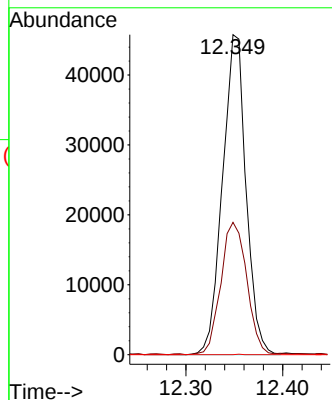
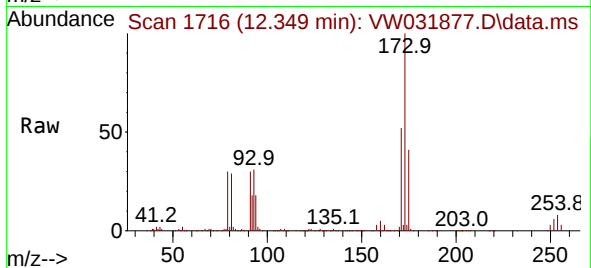
Tgt Ion:173 Resp: 77257

Ion Ratio Lower Upper

173 100

175 45.9 24.0 72.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

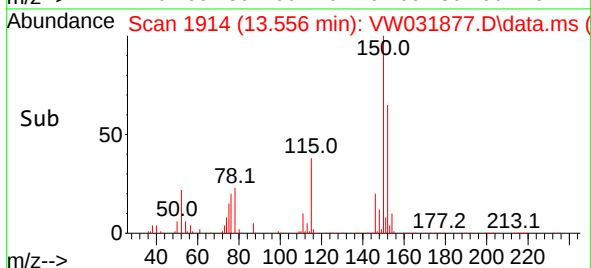
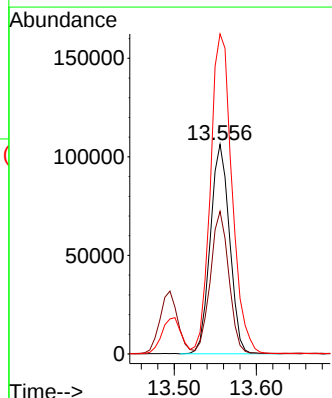
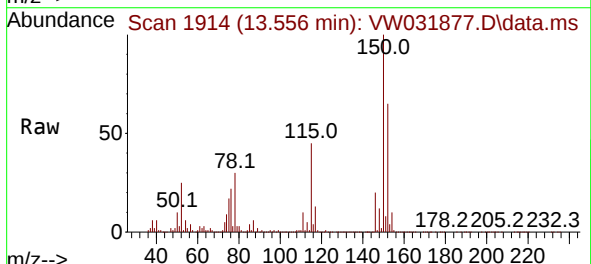
Tgt Ion:152 Resp: 172411

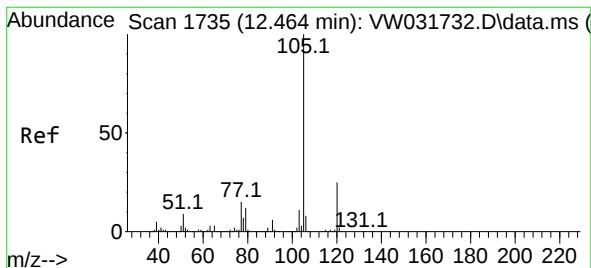
Ion Ratio Lower Upper

152 100

115 65.1 31.9 95.7

150 171.2 0.0 356.4





#73

Isopropylbenzene

Concen: 52.655 ug/l

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

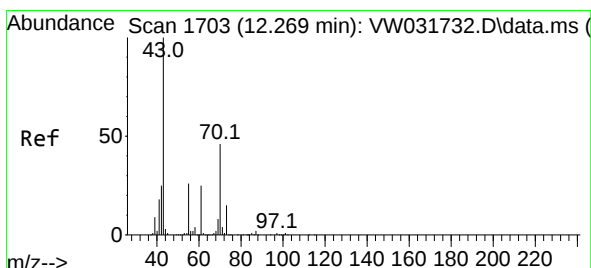
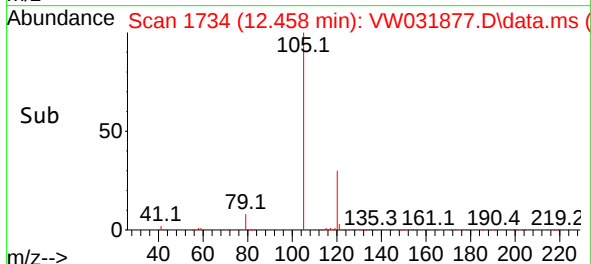
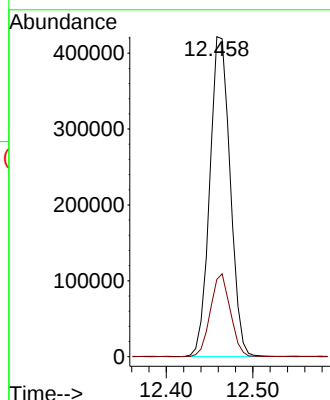
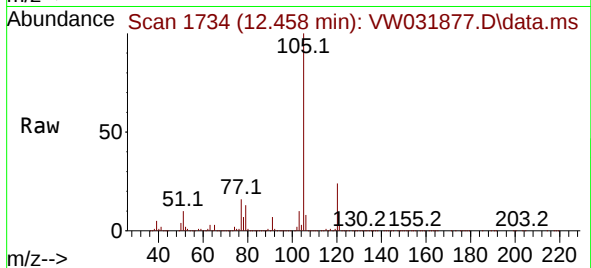
VSTDCCC050EC

Tgt Ion:105 Resp: 690543

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4



#74

N-ethyl acetate

Concen: 60.990 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Tgt Ion: 43 Resp: 215586

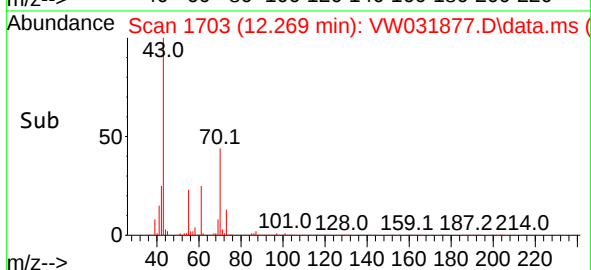
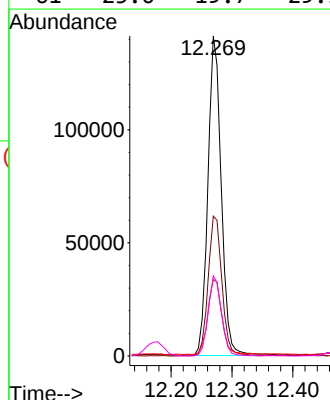
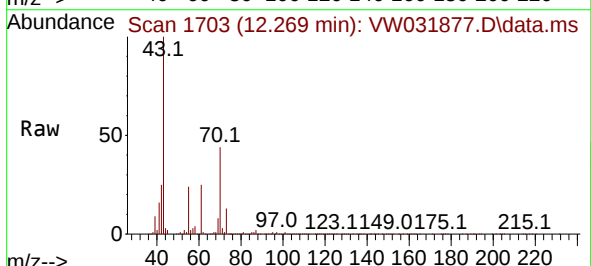
Ion Ratio Lower Upper

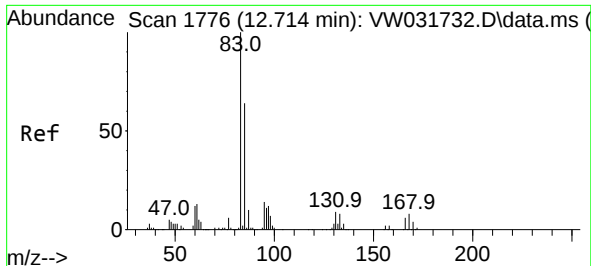
43 100

70 45.5 36.0 54.0

55 24.3 20.8 31.2

61 25.0 19.7 29.5

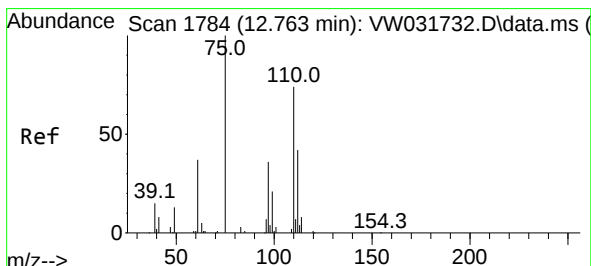
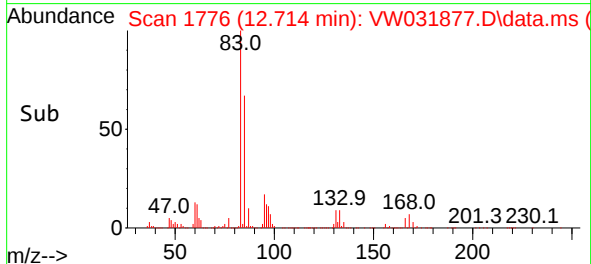
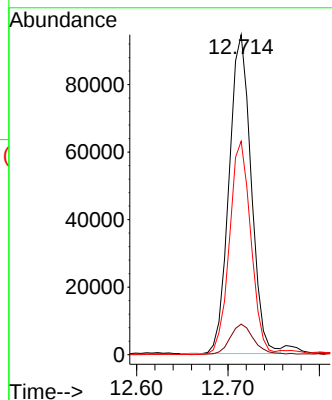
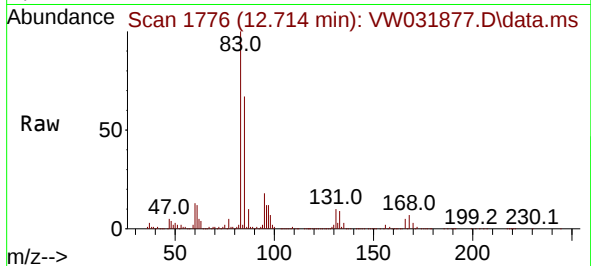




#75
1,1,2,2-Tetrachloroethane
Concen: 54.294 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

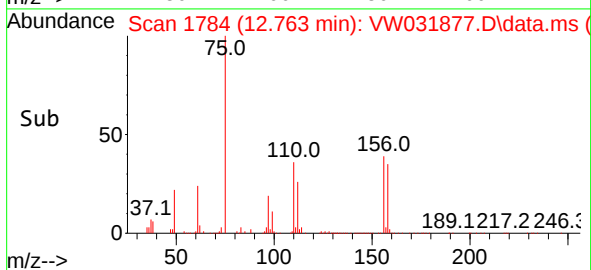
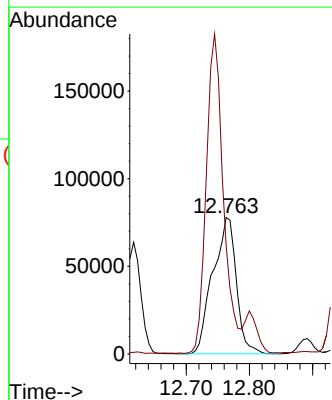
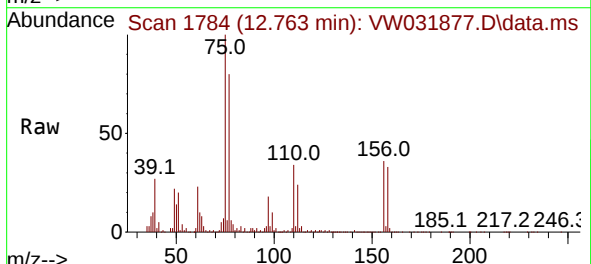
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

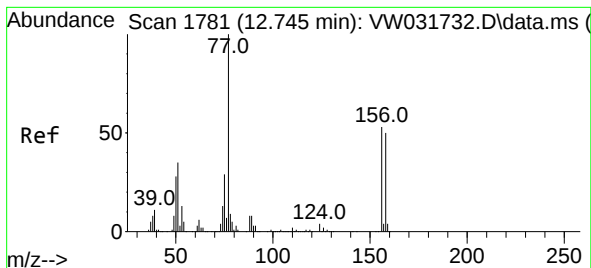
Tgt Ion: 83 Resp: 158080
Ion Ratio Lower Upper
83 100
131 10.1 5.3 16.1
85 65.2 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 90.217 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 75 Resp: 201007
Ion Ratio Lower Upper
75 100
77 171.7 141.2 423.6





#77

Bromobenzene

Concen: 55.002 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

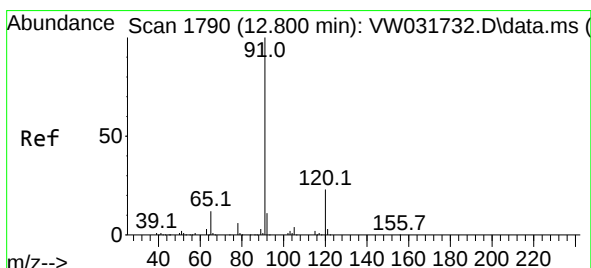
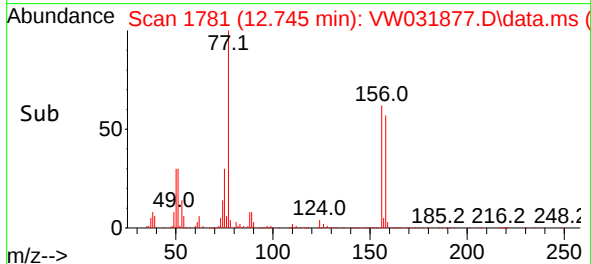
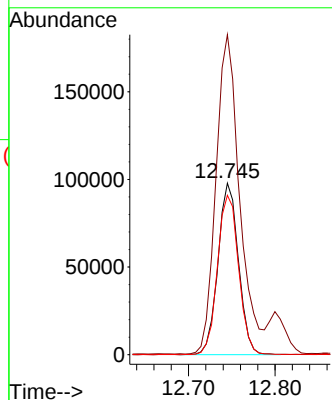
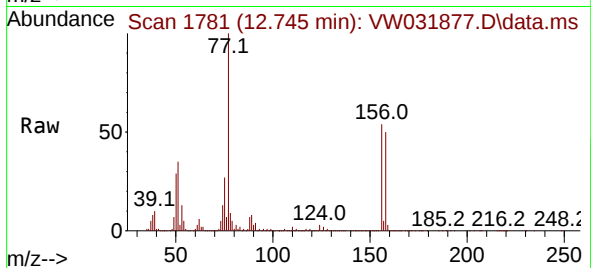
Tgt Ion:156 Resp: 160879

Ion Ratio Lower Upper

156 100

77 214.5 117.9 353.7

158 95.8 52.6 157.8



#78

n-propylbenzene

Concen: 53.741 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031877.D

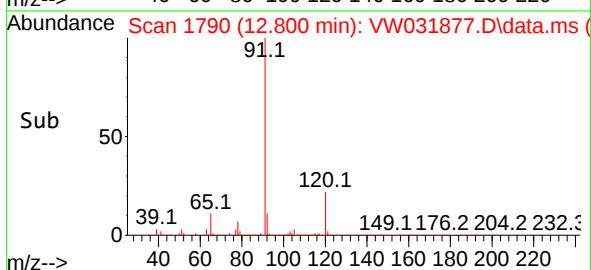
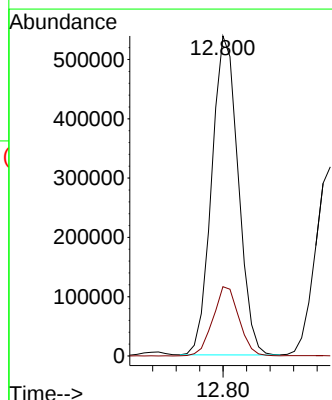
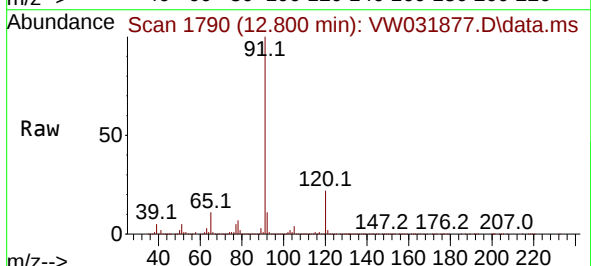
Acq: 16 Jul 2025 16:00

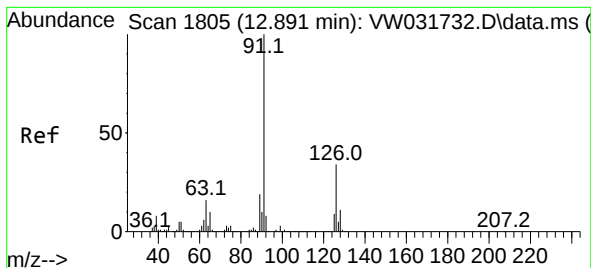
Tgt Ion: 91 Resp: 843966

Ion Ratio Lower Upper

91 100

120 21.3 11.5 34.4

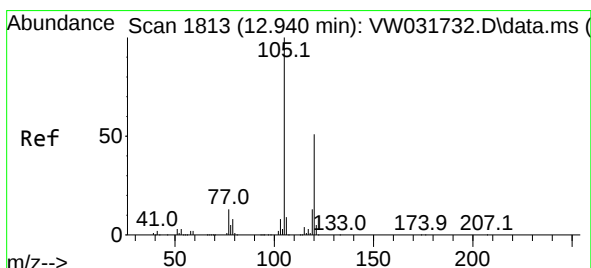
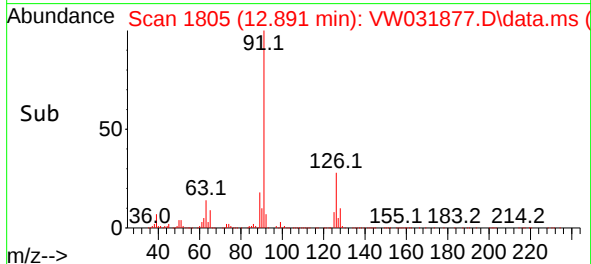
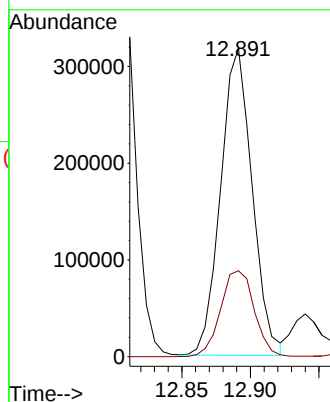
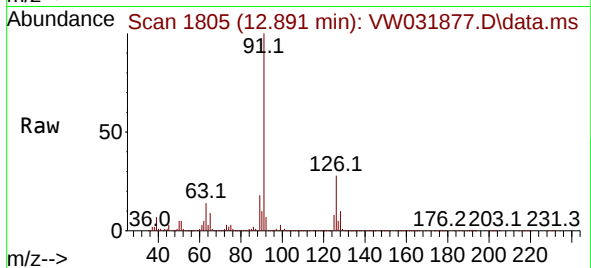




#79
2-Chlorotoluene
Concen: 53.694 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

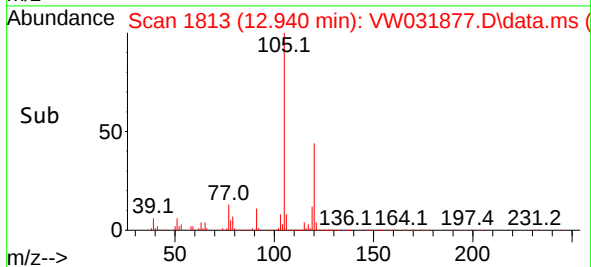
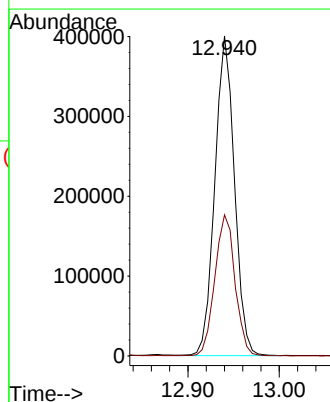
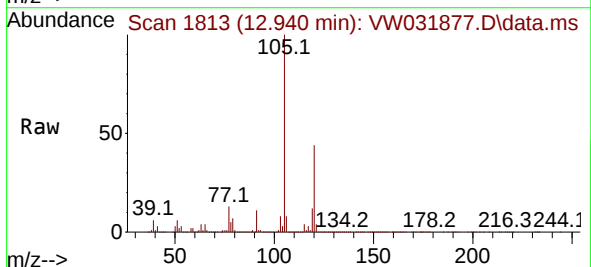
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

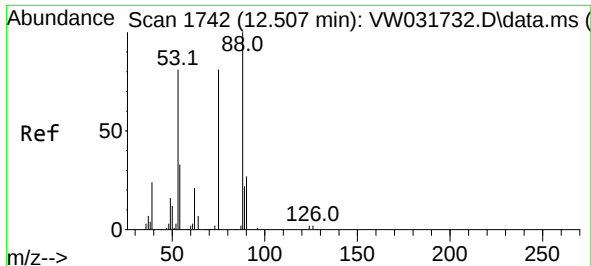
Tgt Ion: 91 Resp: 507768
Ion Ratio Lower Upper
91 100
126 29.9 15.8 47.4



#80
1,3,5-Trimethylbenzene
Concen: 54.867 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 105 Resp: 595609
Ion Ratio Lower Upper
105 100
120 45.8 23.8 71.2

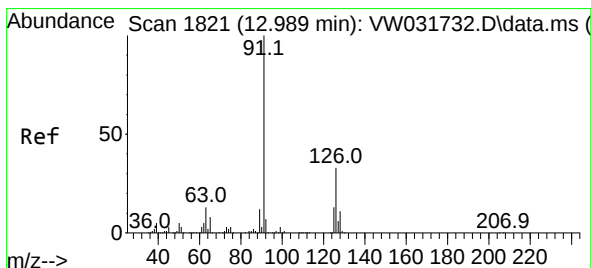
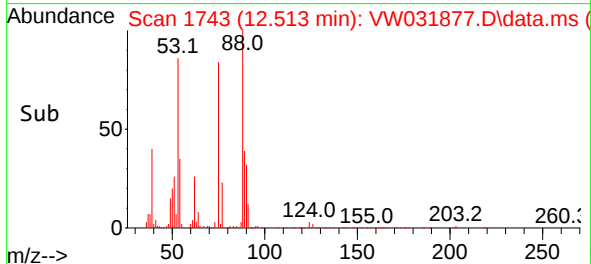
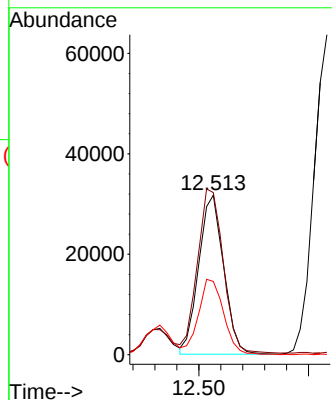
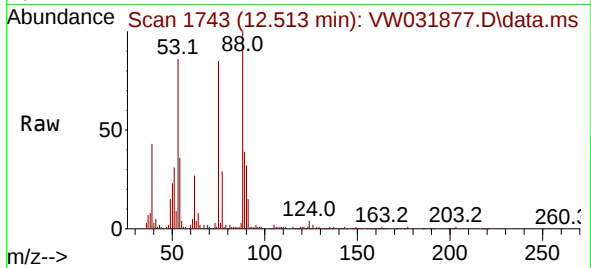




#81
trans-1,4-Dichloro-2-butene
Concen: 52.487 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

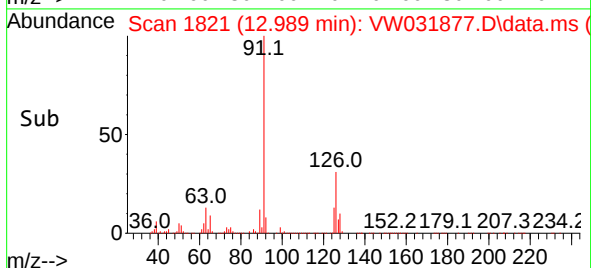
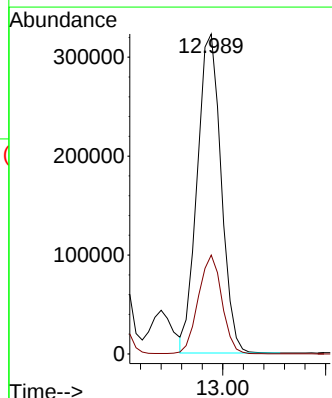
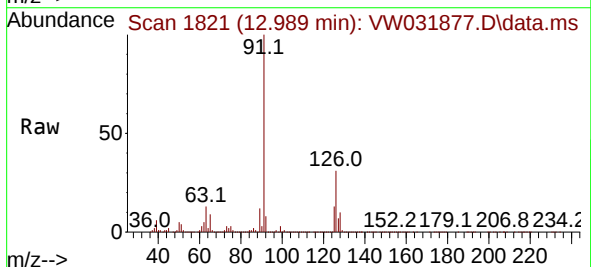
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

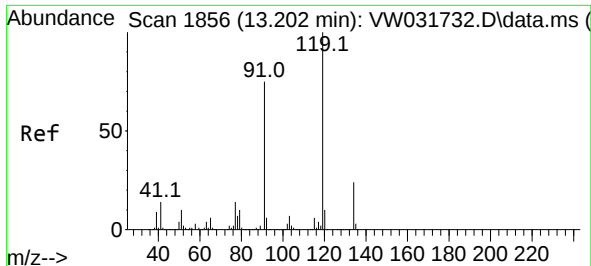
Tgt Ion: 75 Resp: 50208
Ion Ratio Lower Upper
75 100
53 106.6 83.5 125.3
89 48.1 38.3 57.5



#82
4-Chlorotoluene
Concen: 52.536 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 91 Resp: 521598
Ion Ratio Lower Upper
91 100
126 30.5 16.0 47.9

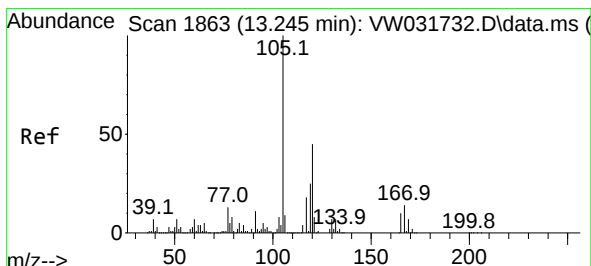
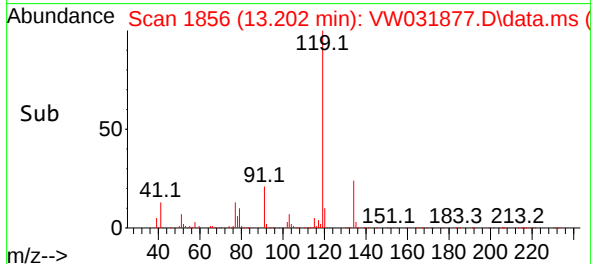
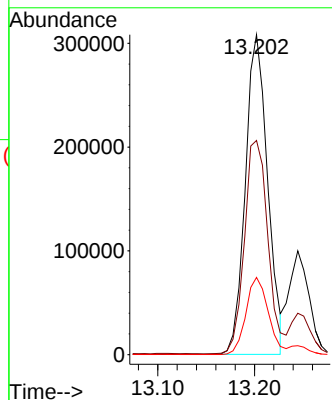
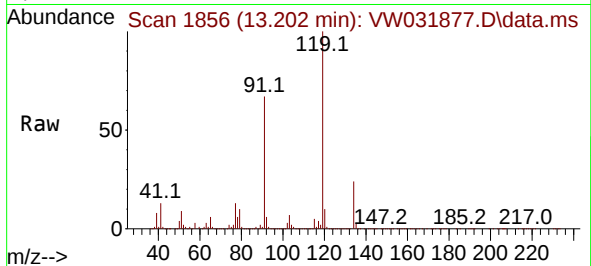




#83
tert-Butylbenzene
Concen: 53.004 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

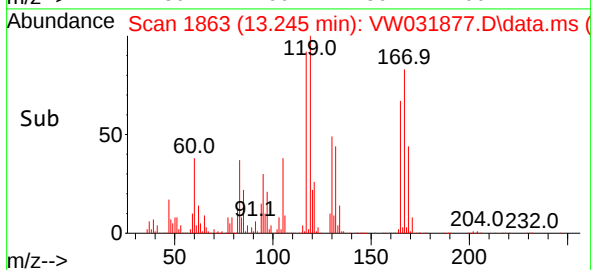
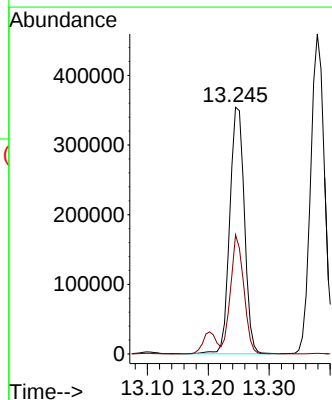
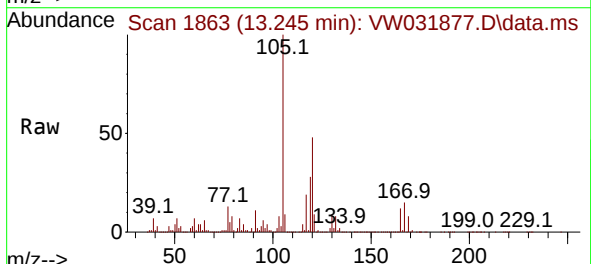
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

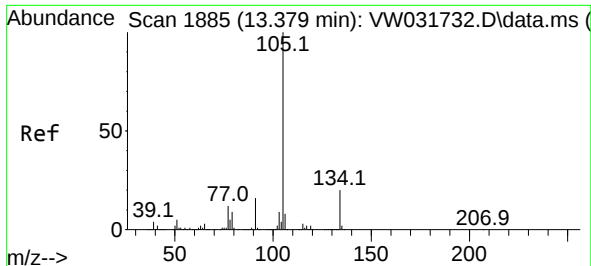
Tgt Ion:119 Resp: 492871
Ion Ratio Lower Upper
119 100
91 70.8 36.0 108.1
134 24.3 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 53.575 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion:105 Resp: 589275
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.1

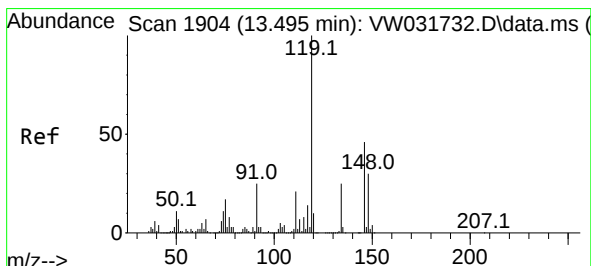
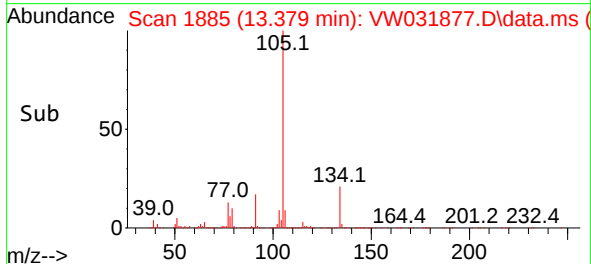
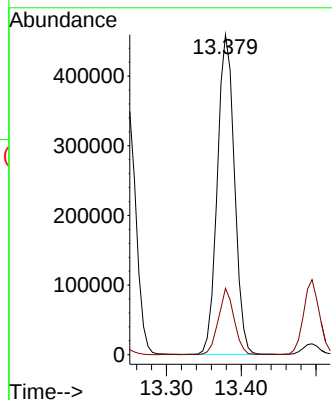
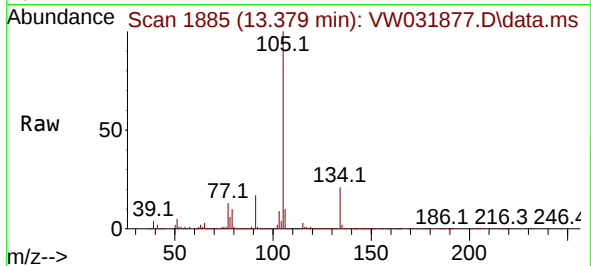




#85
 sec-Butylbenzene
 Concen: 52.316 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

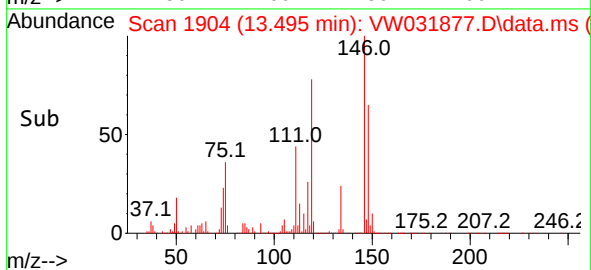
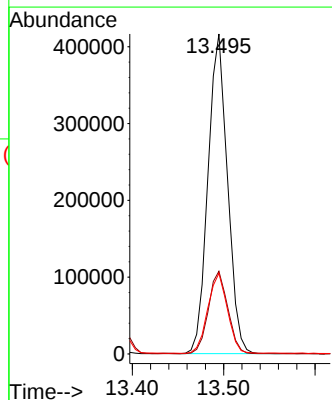
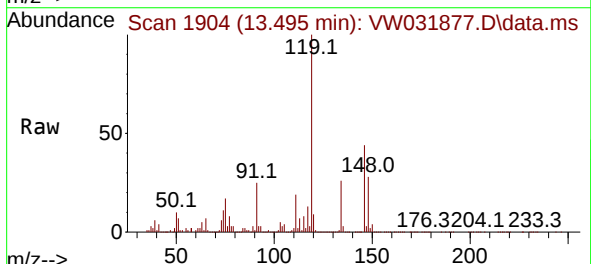
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

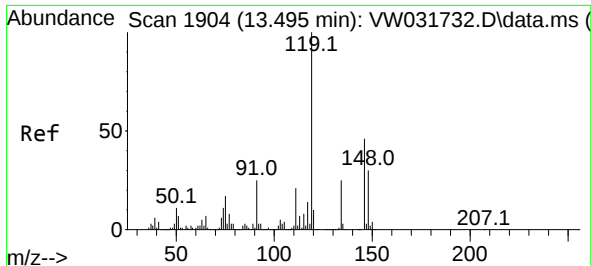
Tgt Ion:105 Resp: 730189
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 53.557 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031877.D
 Acq: 16 Jul 2025 16:00

Tgt Ion:119 Resp: 616046
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 24.9 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 50.766 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

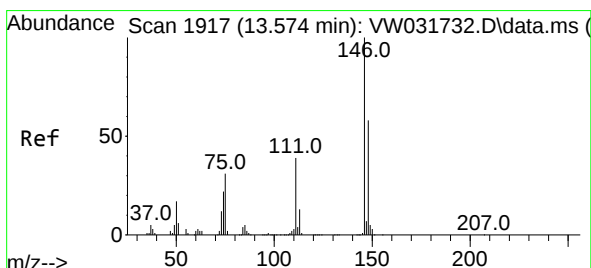
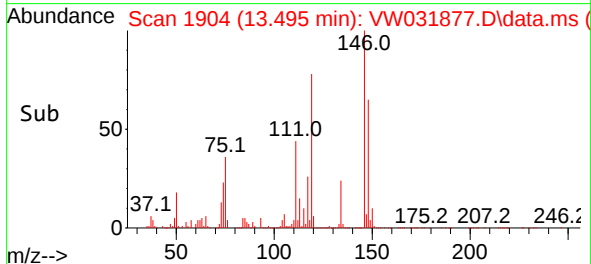
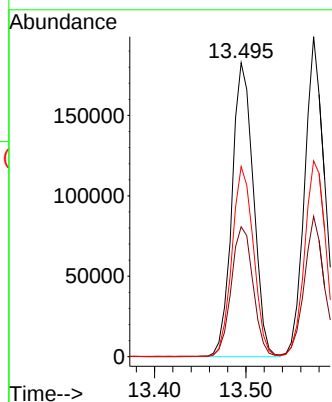
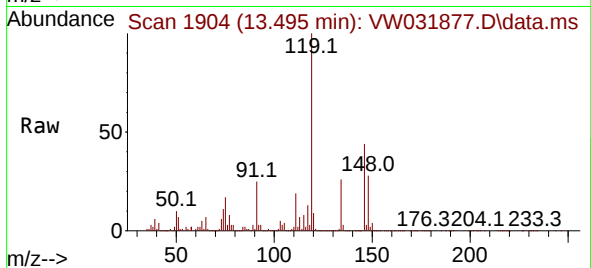
Tgt Ion:146 Resp: 297788

Ion Ratio Lower Upper

146 100

111 44.6 22.3 66.9

148 64.7 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 50.471 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

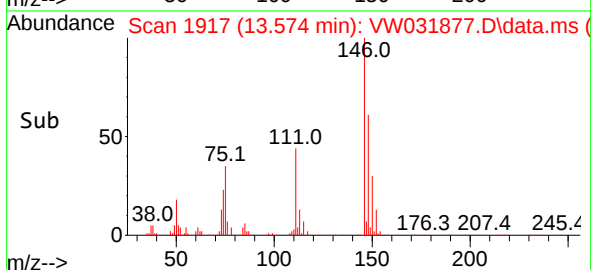
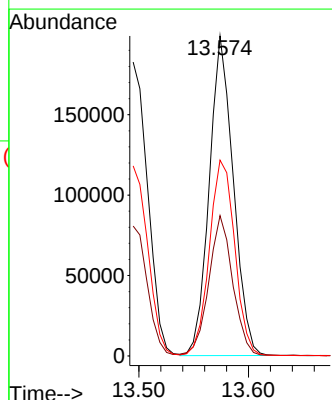
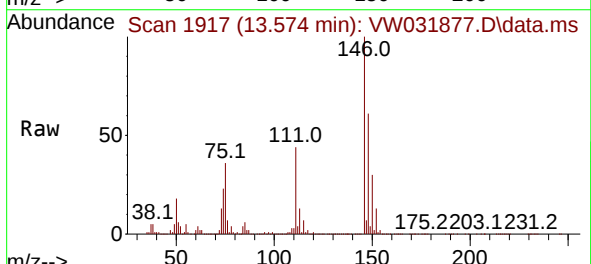
Tgt Ion:146 Resp: 303026

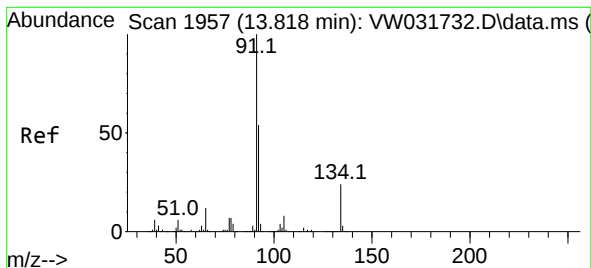
Ion Ratio Lower Upper

146 100

111 43.5 20.4 61.3

148 64.6 30.2 90.6





#89

n-Butylbenzene

Concen: 52.215 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

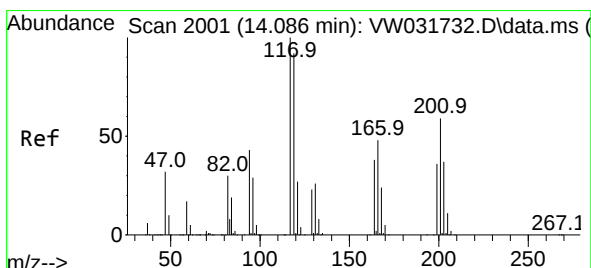
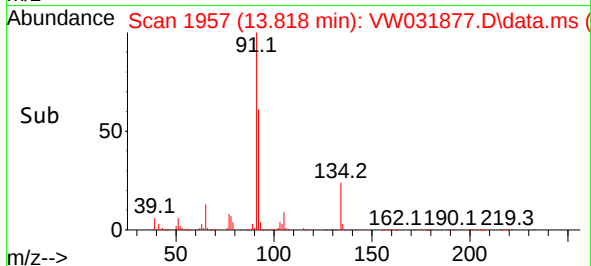
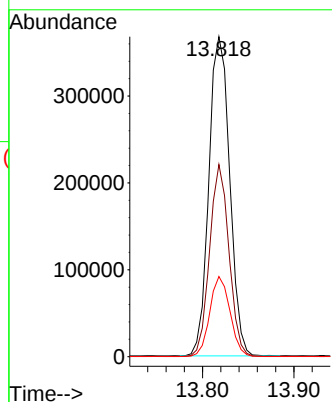
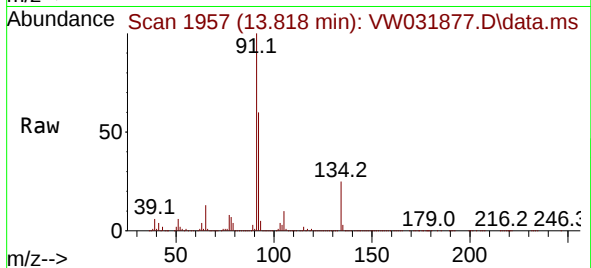
Tgt Ion: 91 Resp: 583555

Ion Ratio Lower Upper

91 100

92 56.0 27.2 81.5

134 24.3 12.2 36.6



#90

Hexachloroethane

Concen: 48.950 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW031877.D

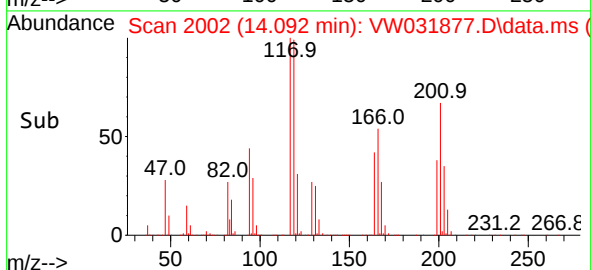
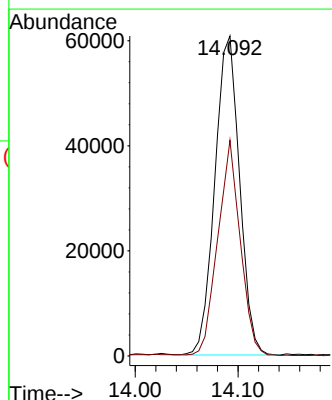
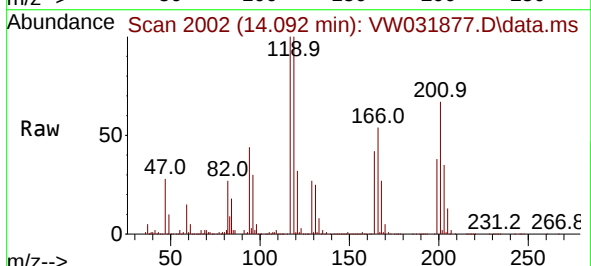
Acq: 16 Jul 2025 16:00

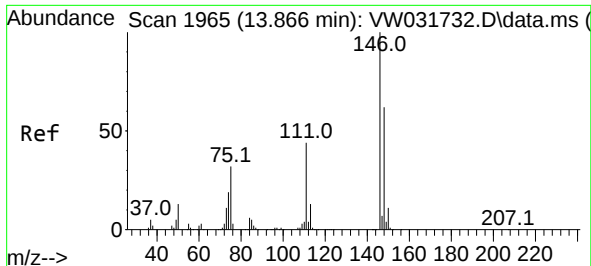
Tgt Ion: 117 Resp: 101581

Ion Ratio Lower Upper

117 100

201 61.3 31.1 93.3

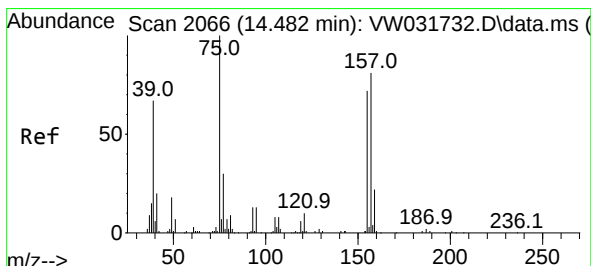
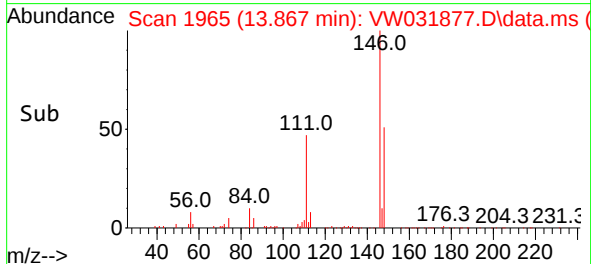
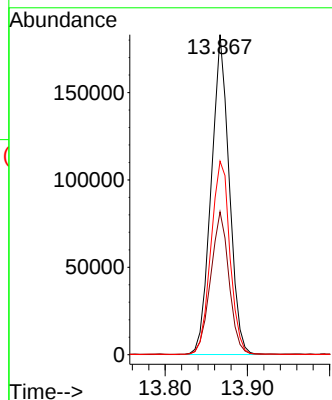
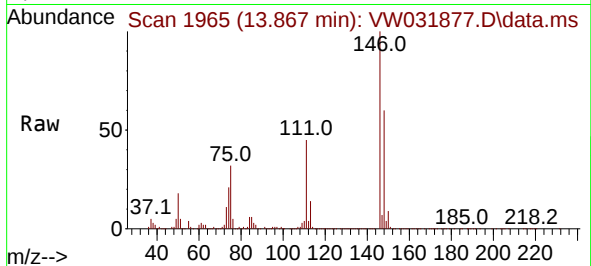




#91
1,2-Dichlorobenzene
Concen: 51.898 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

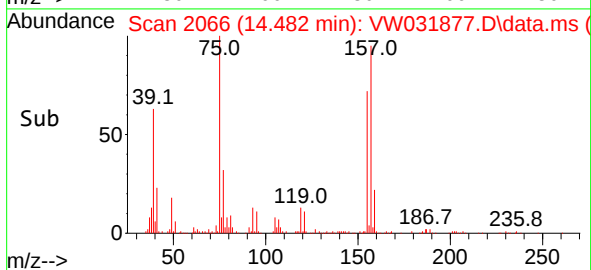
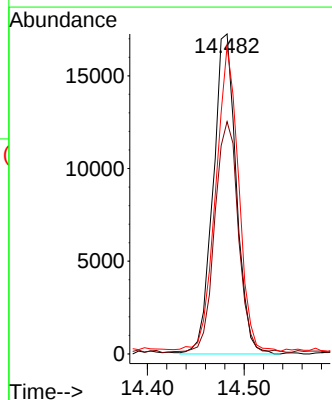
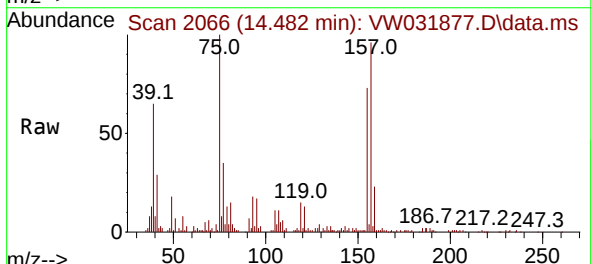
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 278246
Ion Ratio Lower Upper
146 100
111 45.3 21.7 65.1
148 64.0 29.8 89.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.573 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031877.D
Acq: 16 Jul 2025 16:00

Tgt Ion: 75 Resp: 28751
Ion Ratio Lower Upper
75 100
155 73.1 37.2 111.6
157 94.0 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 50.810 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

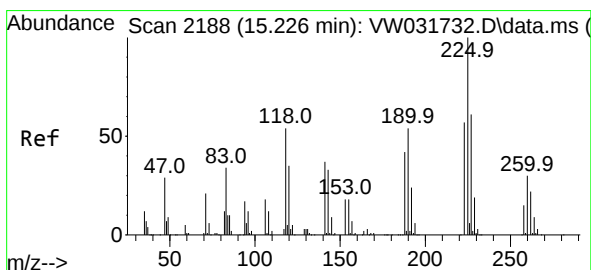
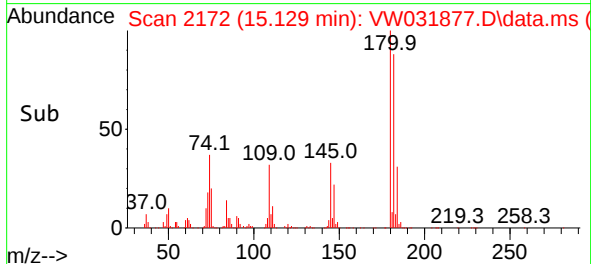
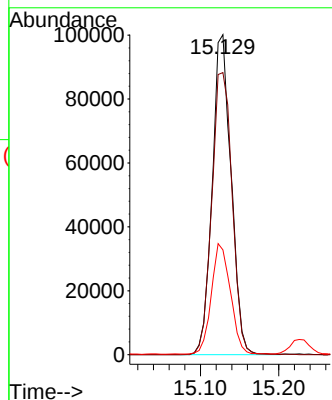
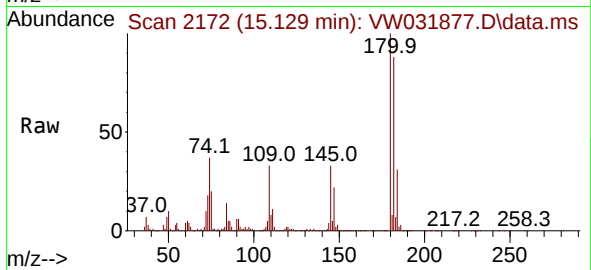
Tgt Ion:180 Resp: 168002

Ion Ratio Lower Upper

180 100

182 95.0 48.6 145.9

145 34.8 17.3 51.7



#94

Hexachlorobutadiene

Concen: 46.225 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

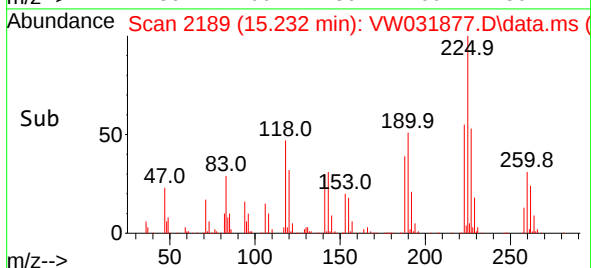
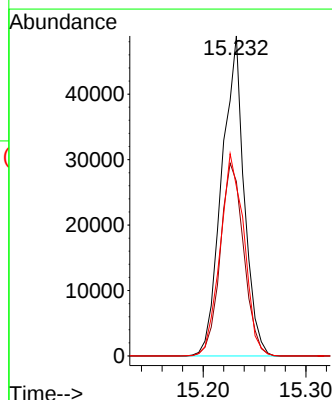
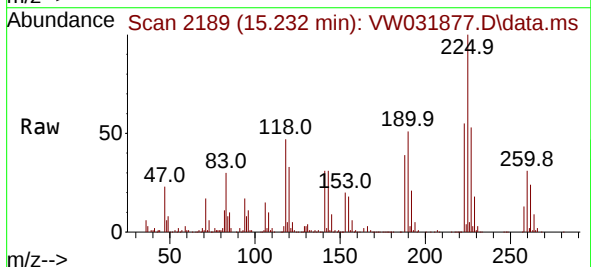
Tgt Ion:225 Resp: 73804

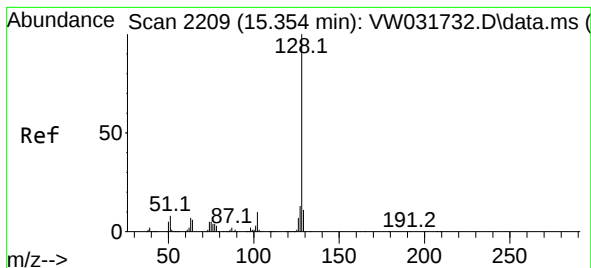
Ion Ratio Lower Upper

225 100

223 63.4 32.6 97.8

227 67.3 37.3 111.8





#95

Naphthalene

Concen: 59.602 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

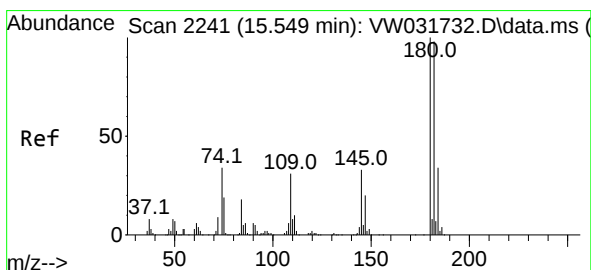
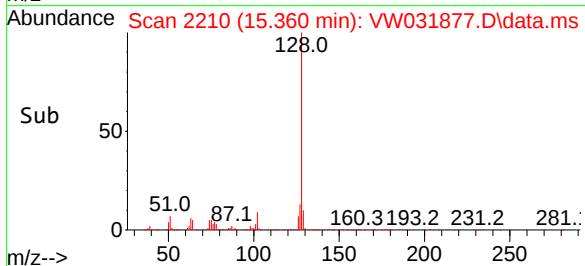
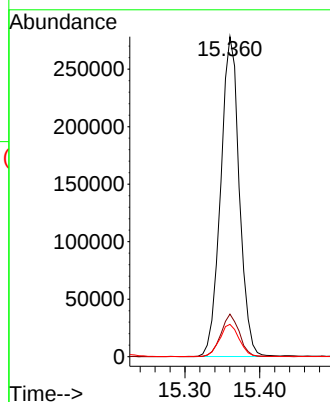
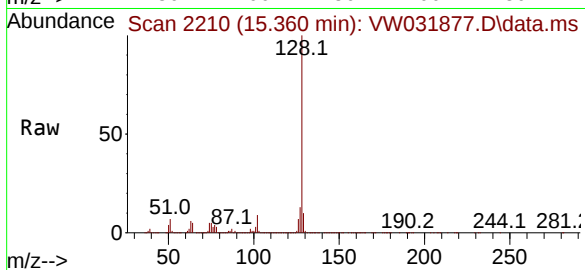
Tgt Ion:128 Resp: 483151

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 51.975 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW031877.D

Acq: 16 Jul 2025 16:00

Tgt Ion:180 Resp: 157909

Ion Ratio Lower Upper

180 100

182 97.5 46.4 139.1

145 37.5 17.8 53.3

