

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032057.D
 Acq On : 11 Aug 2025 11:08
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 12 03:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	224613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	422167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	375277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	172321	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	469688	144.584	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 289.160%#	
35) Dibromofluoromethane	7.898	113	393306	144.207	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 288.420%#	
50) Toluene-d8	10.331	98	1492050	147.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 295.820%#	
62) 4-Bromofluorobenzene	12.617	95	558308	150.185	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 300.380%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	218953	136.294	ug/l	100
3) Chloromethane	2.253	50	315772	145.923	ug/l	97
4) Vinyl Chloride	2.405	62	362119	138.343	ug/l	95
5) Bromomethane	2.808	94	271810	138.413	ug/l	98
6) Chloroethane	2.966	64	247890	143.117	ug/l	99
7) Trichlorofluoromethane	3.301	101	339384	161.851	ug/l	98
8) Diethyl Ether	3.722	74	254566	148.178	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	343759	138.957	ug/l	99
10) Methyl Iodide	4.301	142	514954	146.812	ug/l	100
11) Tert butyl alcohol	5.222	59	164147	780.336	ug/l	99
12) 1,1-Dichloroethene	4.076	96	388559	142.642	ug/l	94
13) Acrolein	3.929	56	224901	671.009	ug/l	98
14) Allyl chloride	4.704	41	600290	151.415	ug/l	99
15) Acrylonitrile	5.399	53	629942	769.843	ug/l	99
16) Acetone	4.161	43	528585	702.794	ug/l	100
17) Carbon Disulfide	4.423	76	1081188	147.872	ug/l	98
18) Methyl Acetate	4.710	43	371024	155.895	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	719923	149.999	ug/l	100
20) Methylene Chloride	4.960	84	437275	125.744	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	427242	147.794	ug/l	96
22) Diisopropyl ether	6.344	45	1260898	150.866	ug/l	98
23) Vinyl Acetate	6.283	43	4356523	793.927	ug/l	99
24) 1,1-Dichloroethane	6.240	63	782153	146.472	ug/l	99
25) 2-Butanone	7.191	43	837991	783.936	ug/l	100
26) 2,2-Dichloropropane	7.185	77	393976	147.064	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	518413	153.420	ug/l	98
28) Bromochloromethane	7.532	49	356684	146.781	ug/l	99
29) Tetrahydrofuran	7.551	42	549203	779.054	ug/l	99
30) Chloroform	7.691	83	823850	145.528	ug/l	98
31) Cyclohexane	7.971	56	645762	139.490	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	591372	143.816	ug/l	98
36) 1,1-Dichloropropene	8.093	75	556189	144.659	ug/l	99
37) Ethyl Acetate	7.276	43	348970	154.109	ug/l	99
38) Carbon Tetrachloride	8.087	117	544688	146.799	ug/l	97
39) Methylcyclohexane	9.343	83	732413	156.286	ug/l	99
40) Benzene	8.337	78	1770706	148.159	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	205729	160.204	ug/l	97
42) 1,2-Dichloroethane	8.410	62	552184	144.388	ug/l	100
43) Isopropyl Acetate	8.435	43	665712	159.788	ug/l	100
44) Trichloroethene	9.099	130	424873	149.281	ug/l	93
45) 1,2-Dichloropropane	9.374	63	429280	148.679	ug/l	100
46) Dibromomethane	9.465	93	277058	148.678	ug/l	99
47) Bromodichloromethane	9.648	83	653476	152.185	ug/l	99
48) Methyl methacrylate	9.441	41	330511	164.326	ug/l	99
49) 1,4-Dioxane	9.459	88	79016	3279.484	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	1817273	772.800	ug/l	99
52) Toluene	10.392	92	1142813	151.812	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	654765	162.760	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	716583	157.011	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	364680	147.271	ug/l	98
56) Ethyl methacrylate	10.648	69	553265	166.963	ug/l	99
57) 1,3-Dichloropropane	10.934	76	644418	149.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	1437682	784.377	ug/l	99
59) 2-Hexanone	10.971	43	1278917	785.288	ug/l	98
60) Dibromochloromethane	11.129	129	442362	156.387	ug/l	99
61) 1,2-Dibromoethane	11.239	107	363192	150.929	ug/l	96
64) Tetrachloroethene	10.867	164	326491	150.622	ug/l	94
65) Chlorobenzene	11.660	112	1230240	150.609	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	400167	157.017	ug/l	97
67) Ethyl Benzene	11.733	91	2162983	156.328	ug/l	97
68) m/p-Xylenes	11.837	106	1643338	307.801	ug/l	100
69) o-Xylene	12.166	106	786831	159.450	ug/l	99
70) Styrene	12.178	104	1406640	160.482	ug/l	97
71) Bromoform	12.349	173	238675	163.720	ug/l #	93
73) Isopropylbenzene	12.464	105	1977280	164.188	ug/l	99
74) N-amyl acetate	12.269	43	589285	170.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	449708	157.276	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	576261	217.539	ug/l	55
77) Bromobenzene	12.745	156	440559	153.167	ug/l	98
78) n-propylbenzene	12.800	91	2346333	158.253	ug/l	99
79) 2-Chlorotoluene	12.891	91	1434986	156.820	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1639597	160.368	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	157641	174.499	ug/l	96
82) 4-Chlorotoluene	12.983	91	1515300	155.863	ug/l	98
83) tert-Butylbenzene	13.202	119	1383127	163.006	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1646381	158.189	ug/l	100
85) sec-Butylbenzene	13.379	105	2047763	159.625	ug/l	99
86) p-Isopropyltoluene	13.495	119	1712519	160.127	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	867827	151.629	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	851057	147.144	ug/l	99
89) n-Butylbenzene	13.818	91	1657492	159.527	ug/l	98
90) Hexachloroethane	14.086	117	322461	164.868	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	798257	153.968	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	81063	159.472	ug/l	94
93) 1,2,4-Trichlorobenzene	15.123	180	499355	161.006	ug/l	98
94) Hexachlorobutadiene	15.226	225	218963	157.938	ug/l	97
95) Naphthalene	15.360	128	1348344	177.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	466811	165.423	ug/l	97

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Response via : Initial Calibration

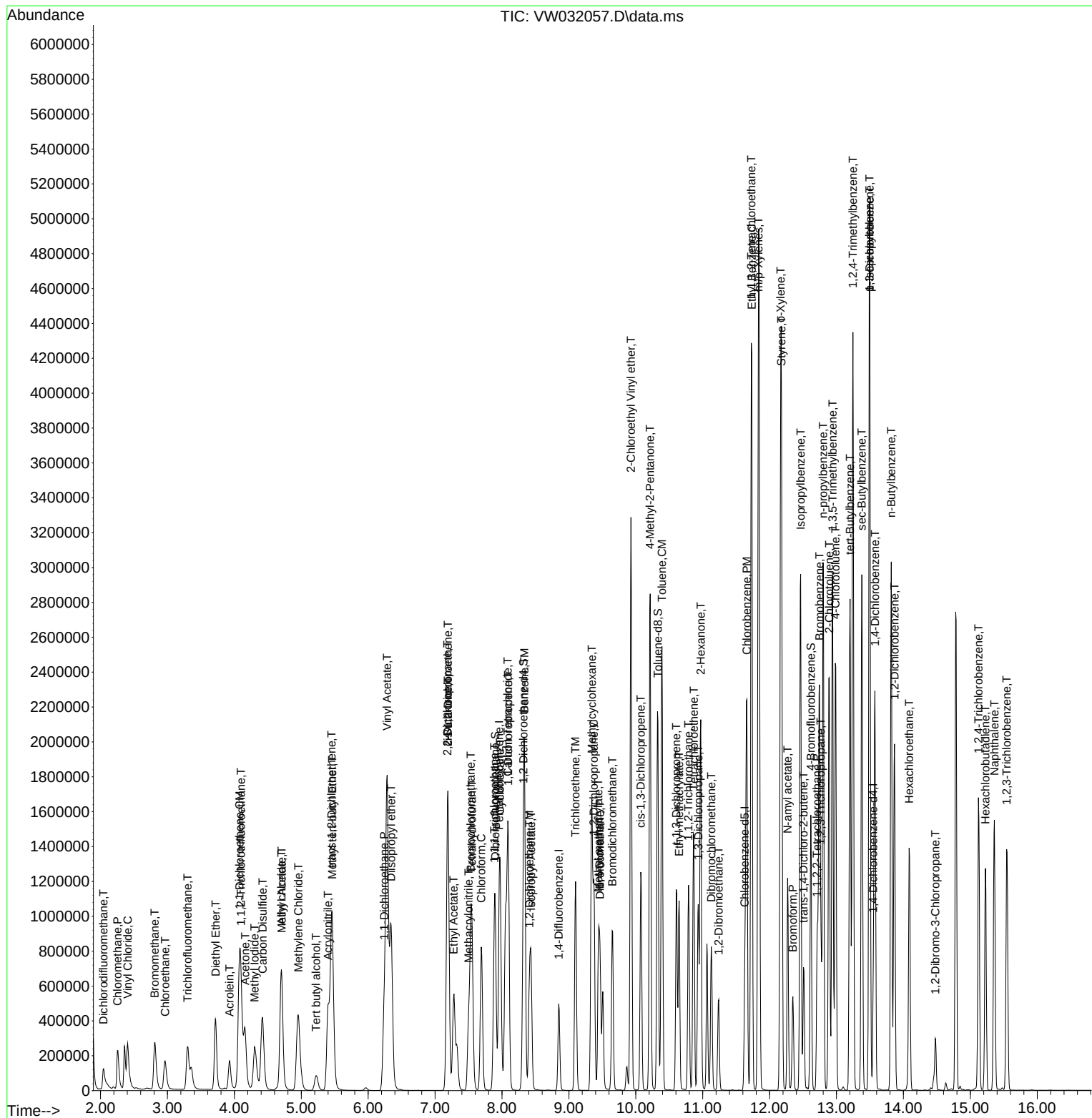
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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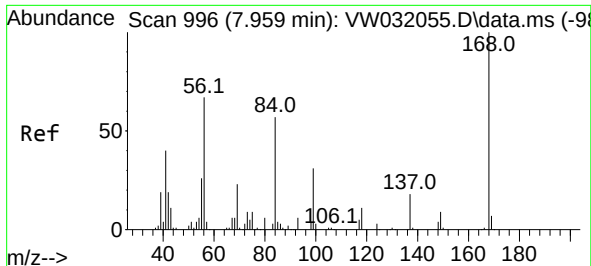
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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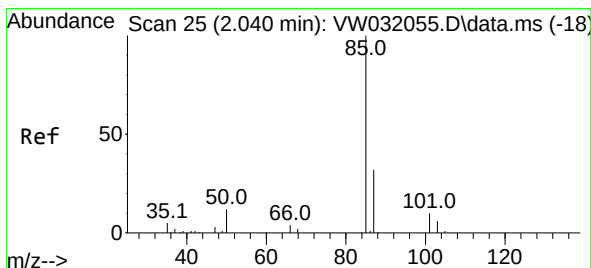
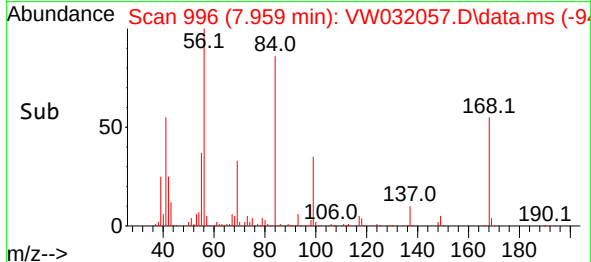
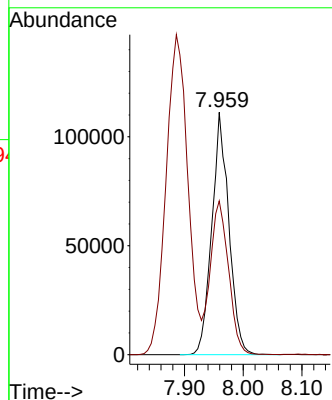
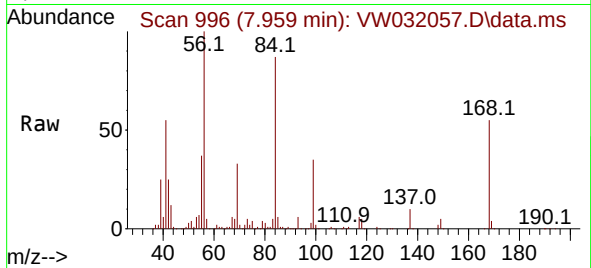




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032057.D
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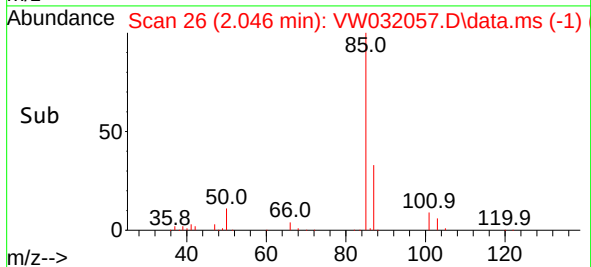
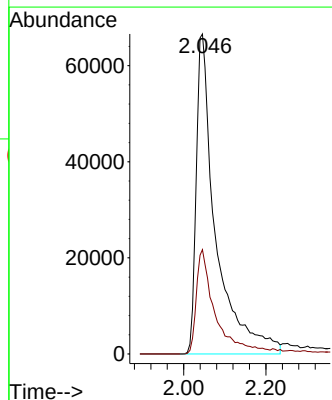
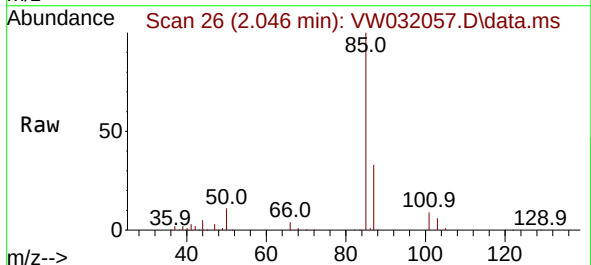
Instrument :
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ClientSampleId :
VSTDIC150

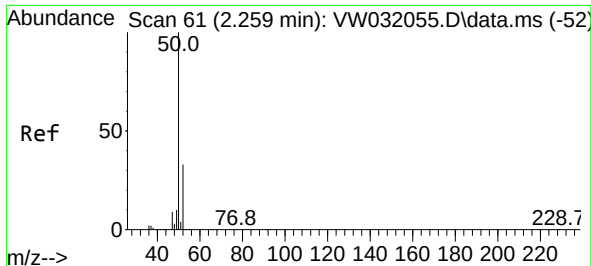
Tgt Ion:168 Resp: 224613
Ion Ratio Lower Upper
168 100
99 63.4 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 136.294 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 85 Resp: 218953
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.6

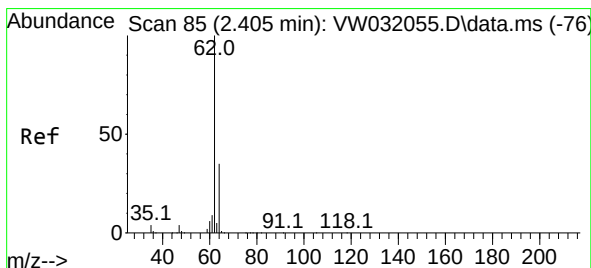
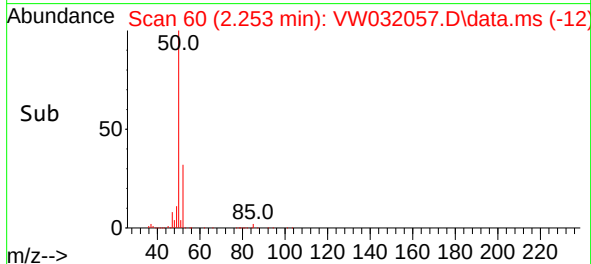
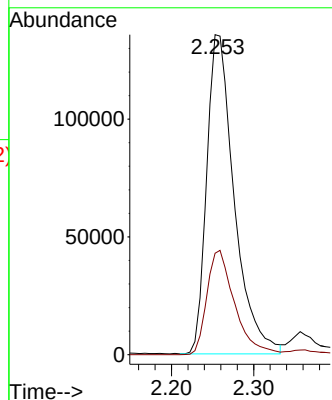
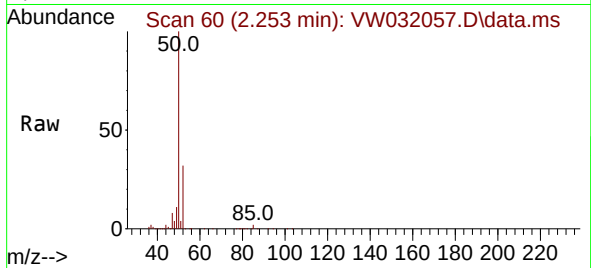




#3
Chloromethane
Concen: 145.923 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

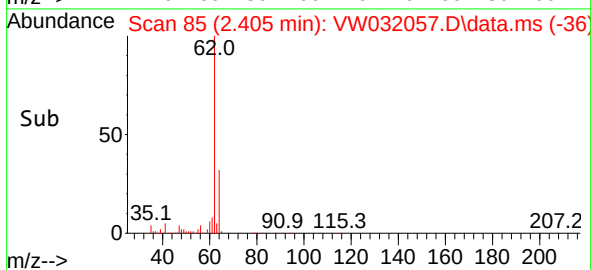
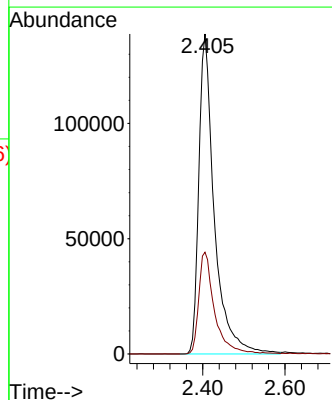
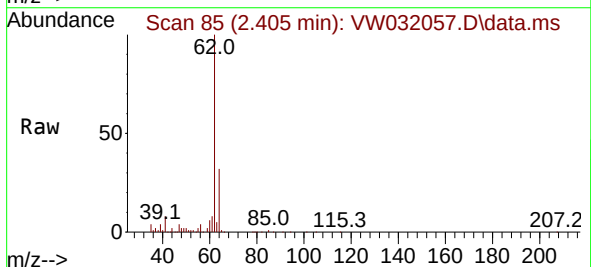
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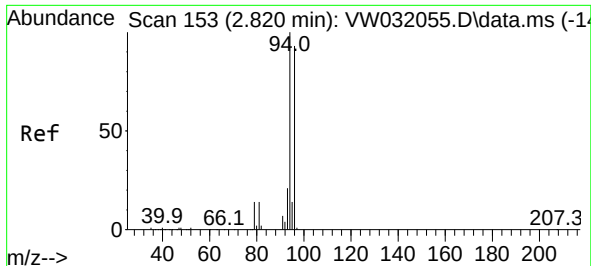
Tgt Ion: 50 Resp: 315772
Ion Ratio Lower Upper
50 100
52 31.8 26.6 39.8



#4
Vinyl Chloride
Concen: 138.343 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 62 Resp: 362119
Ion Ratio Lower Upper
62 100
64 31.8 27.8 41.6

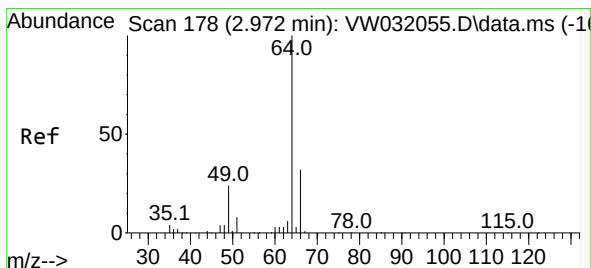
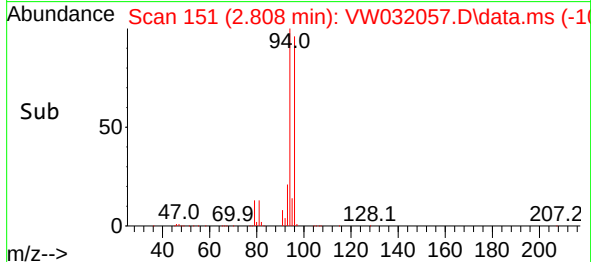
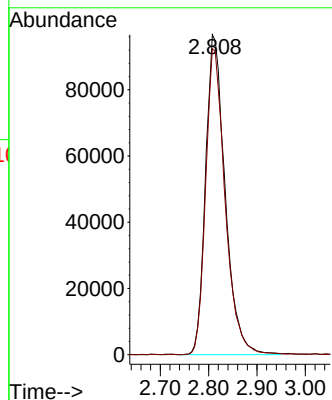
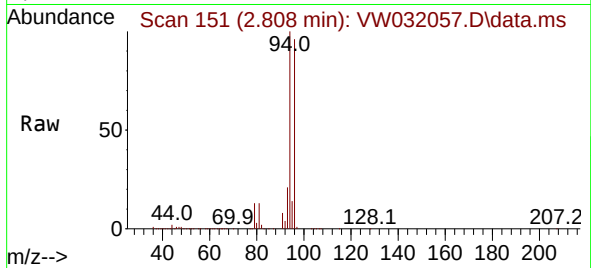




#5
Bromomethane
Concen: 138.413 ug/l
RT: 2.808 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW032057.D
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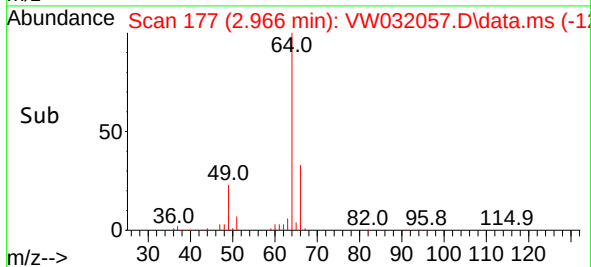
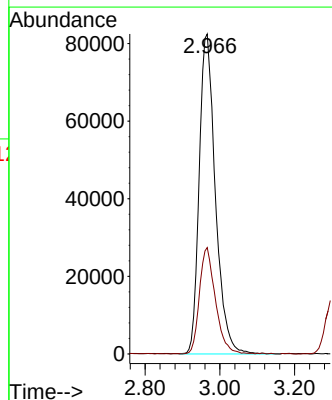
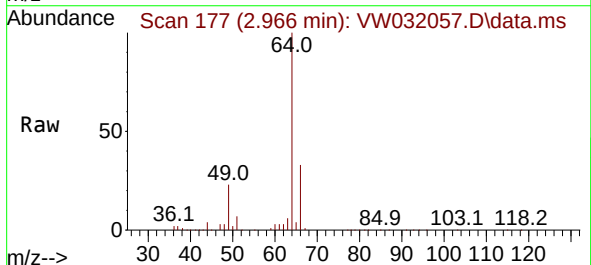
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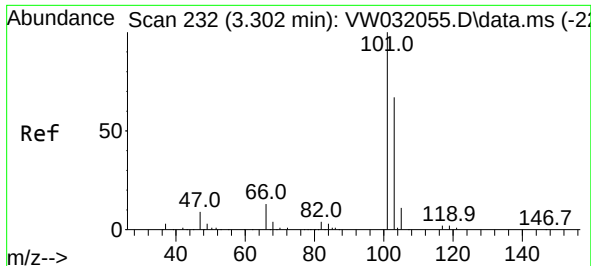
Tgt Ion: 94 Resp: 271810
Ion Ratio Lower Upper
94 100
96 95.6 74.7 112.1



#6
Chloroethane
Concen: 143.117 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 64 Resp: 247890
Ion Ratio Lower Upper
64 100
66 33.2 26.0 39.0

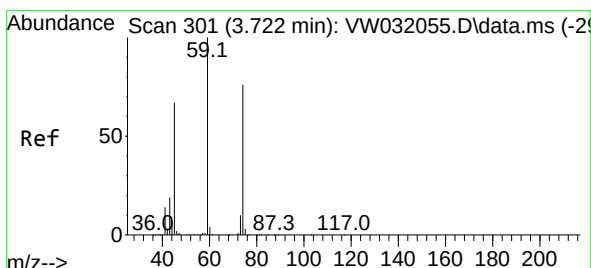
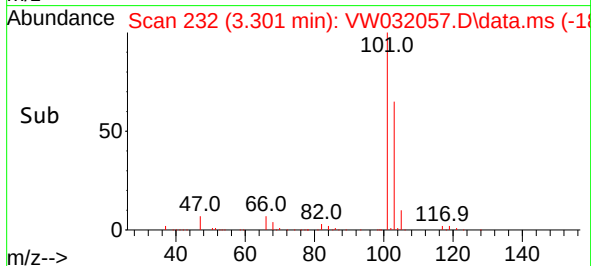
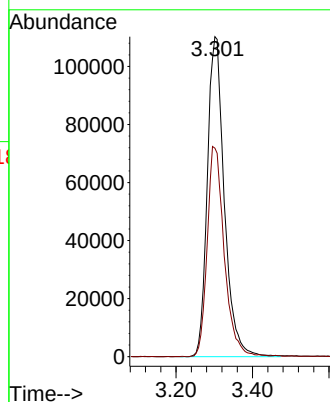
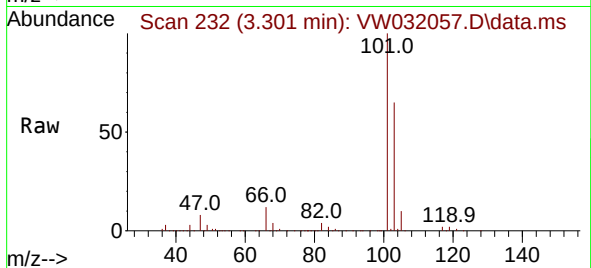




#7
 Trichlorofluoromethane
 Concen: 161.851 ug/l
 RT: 3.301 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032057.D
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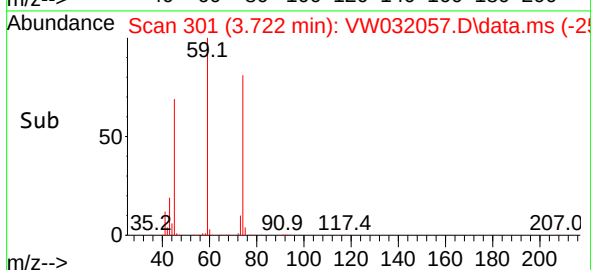
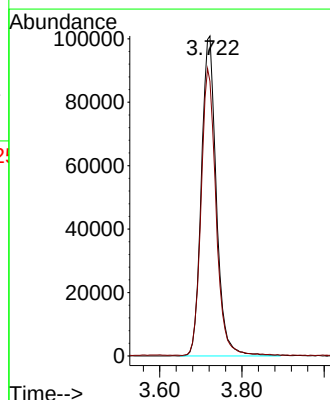
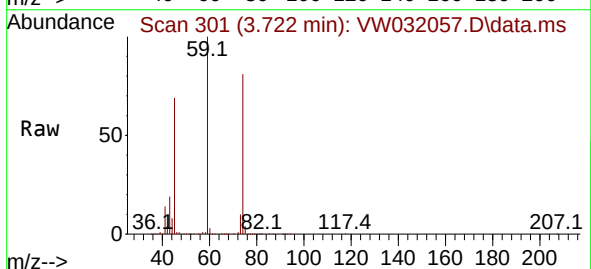
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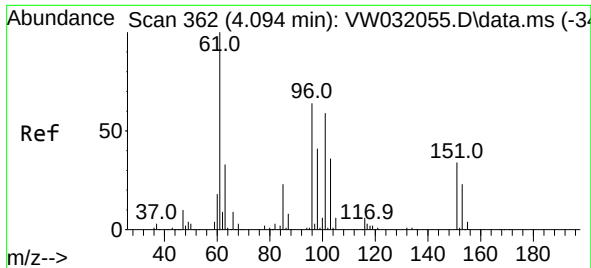
Tgt Ion:101 Resp: 339384
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.4 80.0



#8
 Diethyl Ether
 Concen: 148.178 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 254566
 Ion Ratio Lower Upper
 74 100
 45 89.1 45.4 136.2

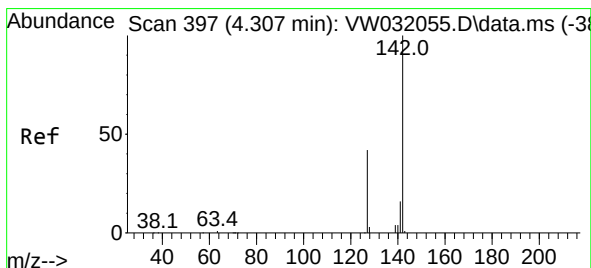
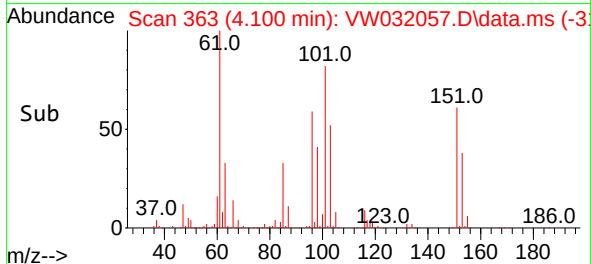
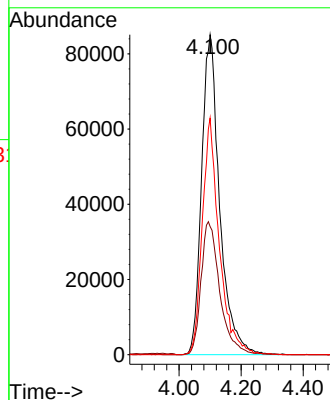
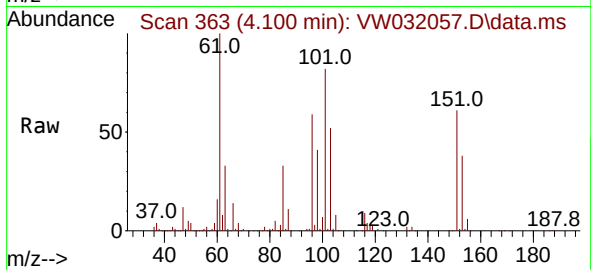




#9
1,1,2-Trichlorotrifluoroethane
Concen: 138.957 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

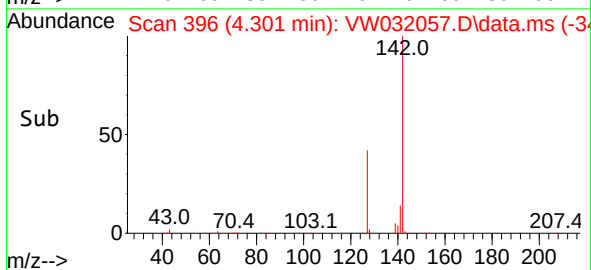
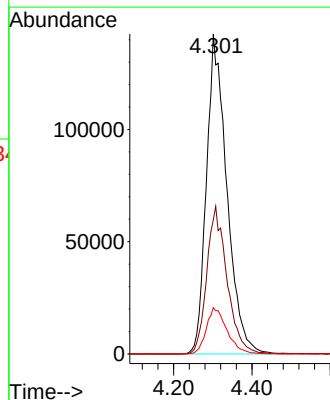
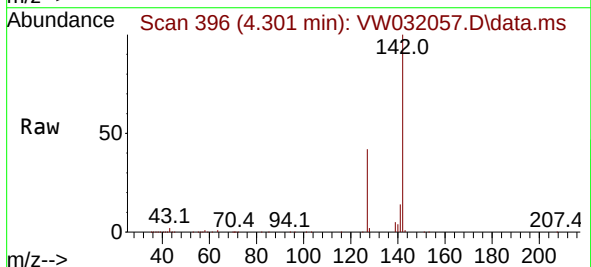
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

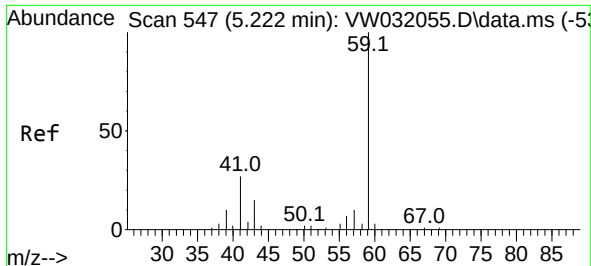
Tgt Ion:101 Resp: 343759
Ion Ratio Lower Upper
101 100
85 43.2 34.9 52.3
151 69.6 56.2 84.4



#10
Methyl Iodide
Concen: 146.812 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:142 Resp: 514954
Ion Ratio Lower Upper
142 100
127 45.7 36.6 55.0
141 14.7 12.1 18.1

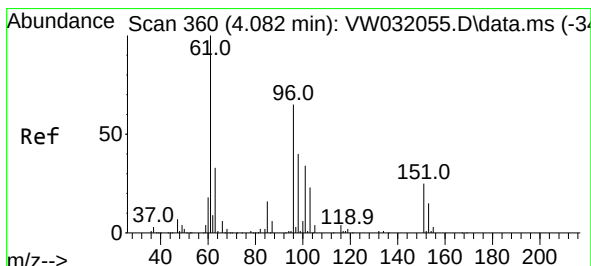
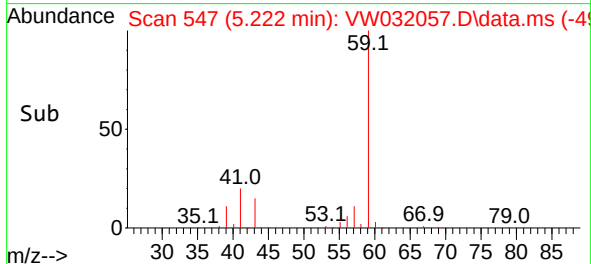
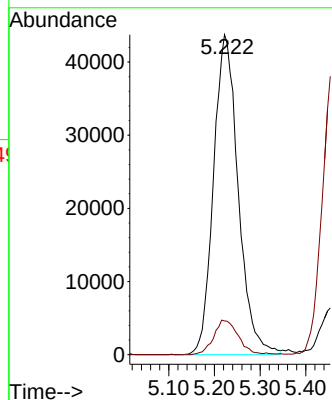
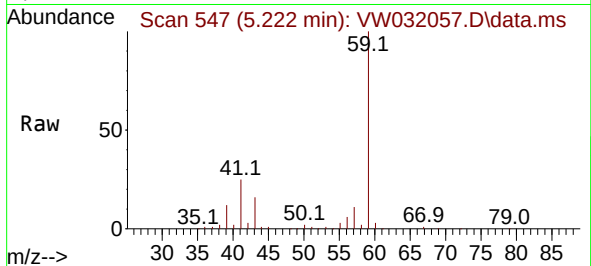




#11
Tert butyl alcohol
Concen: 780.336 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

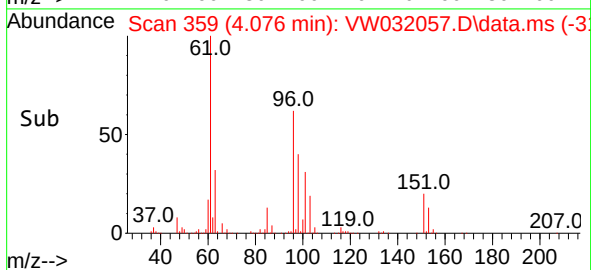
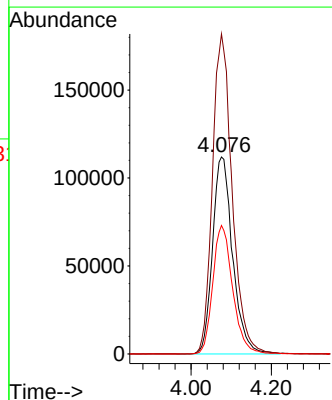
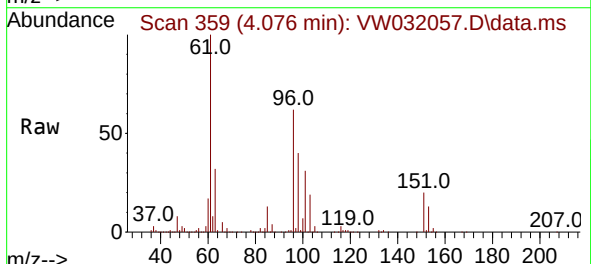
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

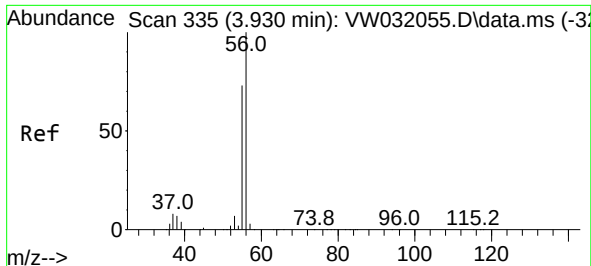
Tgt Ion: 59 Resp: 164147
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 142.642 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 96 Resp: 388559
Ion Ratio Lower Upper
96 100
61 162.4 123.4 185.2
98 65.3 49.5 74.3

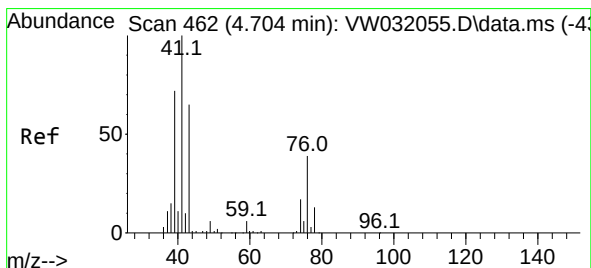
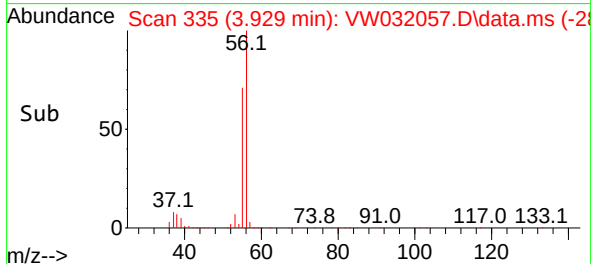
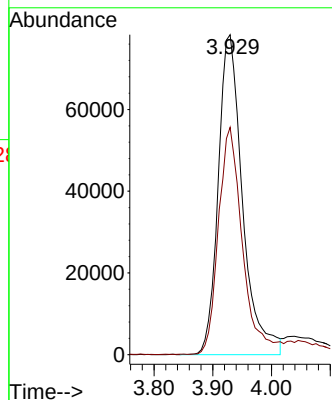
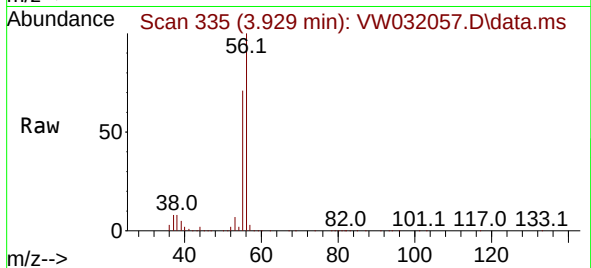




#13
Acrolein
Concen: 671.009 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

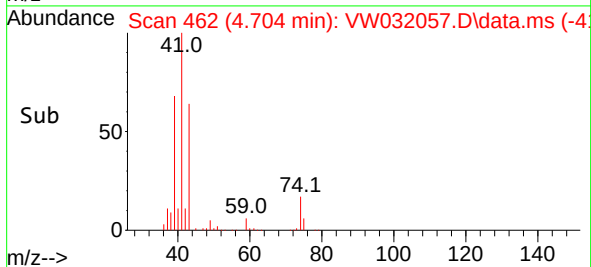
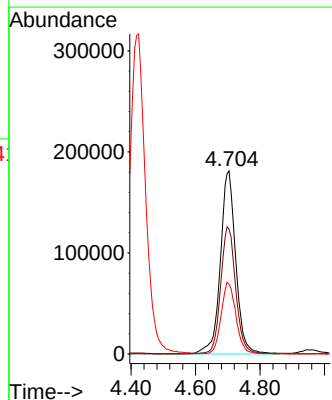
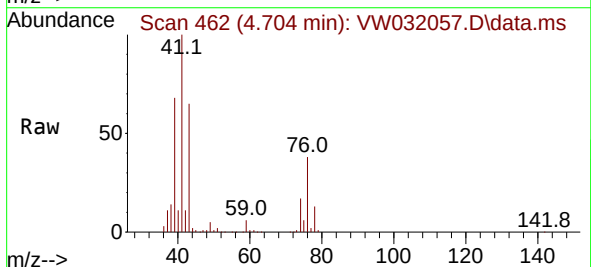
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

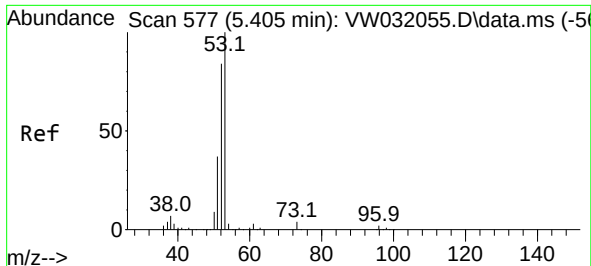
Tgt Ion: 56 Resp: 224901
Ion Ratio Lower Upper
56 100
55 70.6 55.4 83.2



#14
Allyl chloride
Concen: 151.415 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 41 Resp: 600290
Ion Ratio Lower Upper
41 100
39 67.6 54.5 81.7
76 37.6 29.3 43.9

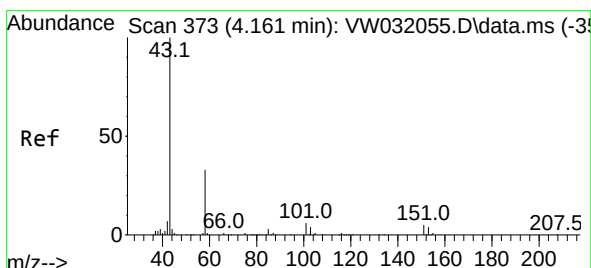
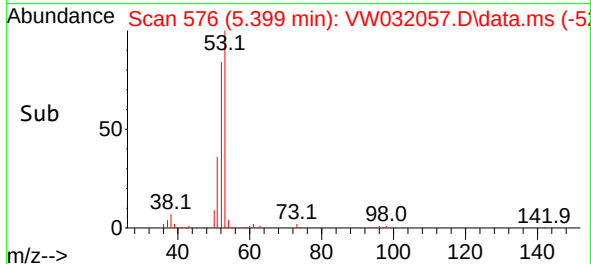
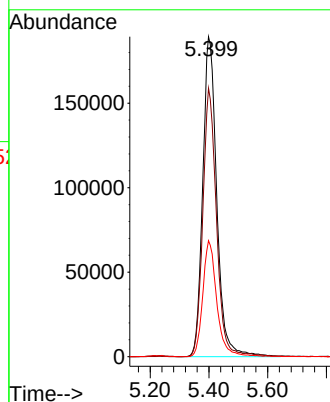
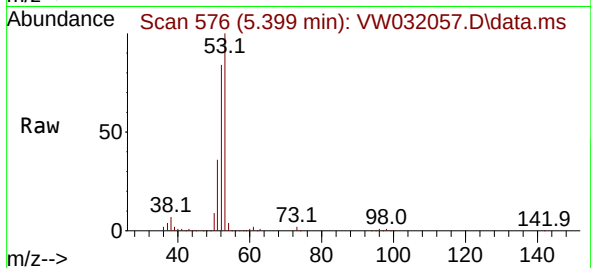




#15
Acrylonitrile
Concen: 769.843 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

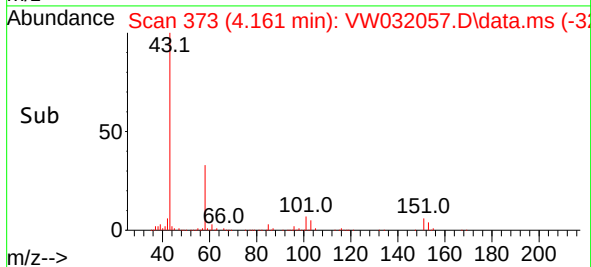
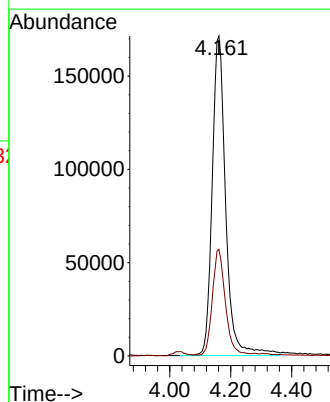
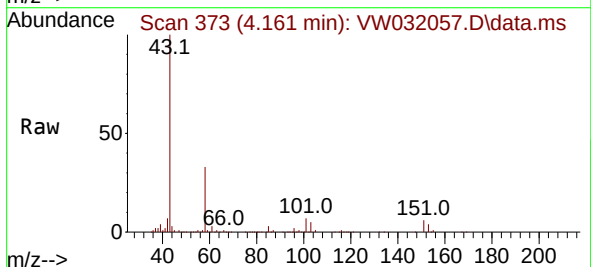
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

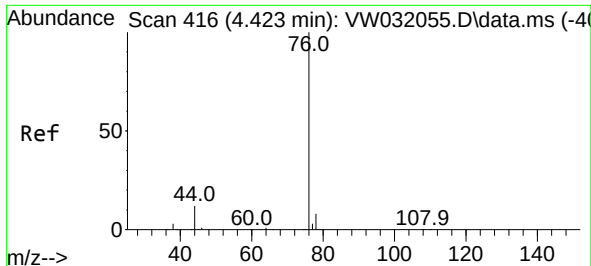
Tgt Ion: 53 Resp: 629942
Ion Ratio Lower Upper
53 100
52 81.7 66.1 99.1
51 36.1 29.2 43.8



#16
Acetone
Concen: 702.794 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 528585
Ion Ratio Lower Upper
43 100
58 32.9 26.6 39.8

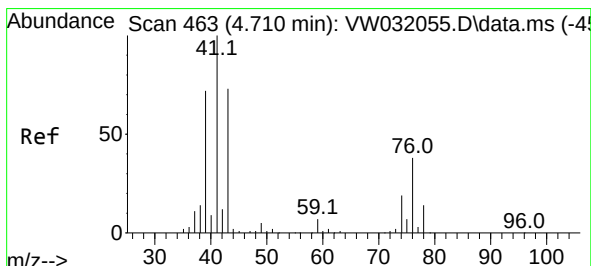
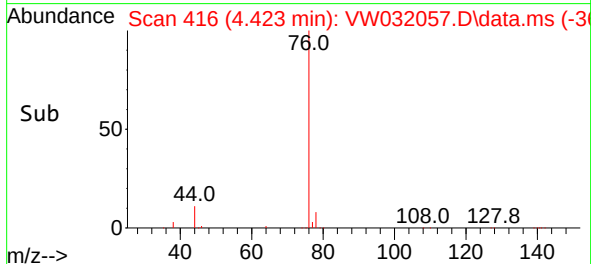
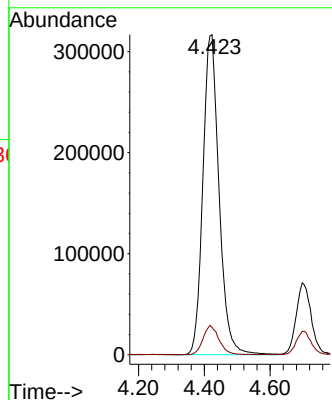
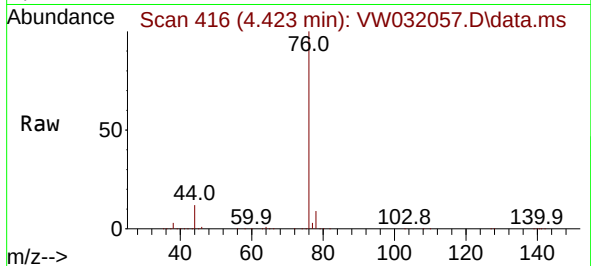




#17
Carbon Disulfide
Concen: 147.872 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

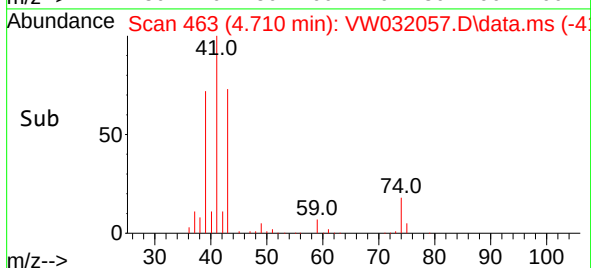
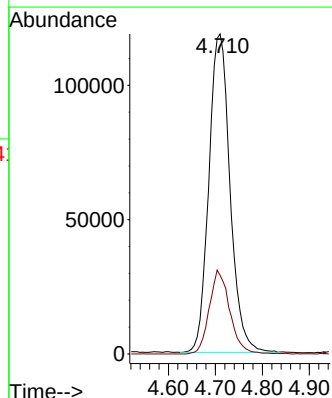
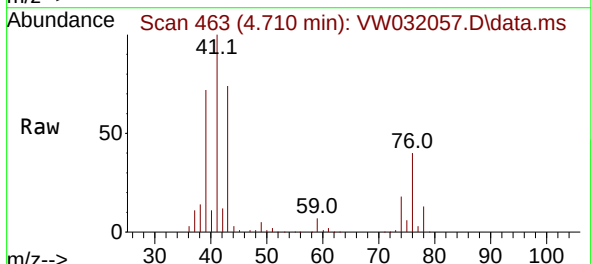
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

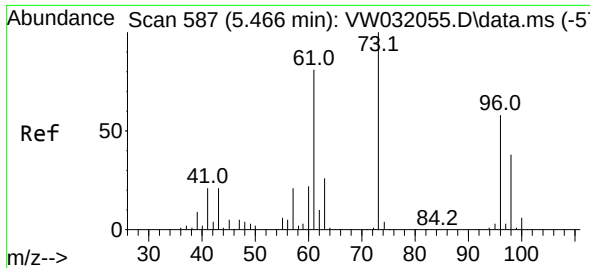
Tgt Ion: 76 Resp: 1081188
Ion Ratio Lower Upper
76 100
78 8.5 6.4 9.6



#18
Methyl Acetate
Concen: 155.895 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 371024
Ion Ratio Lower Upper
43 100
74 25.4 20.6 31.0

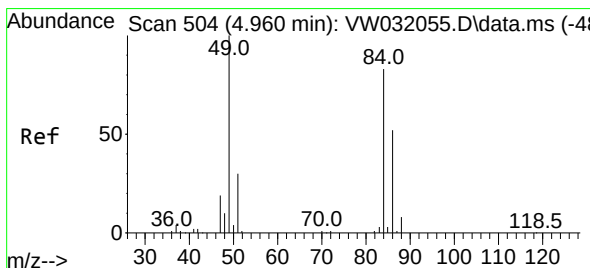
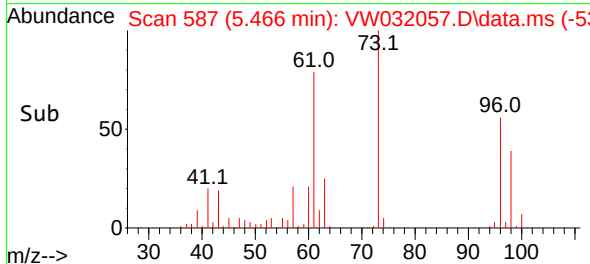
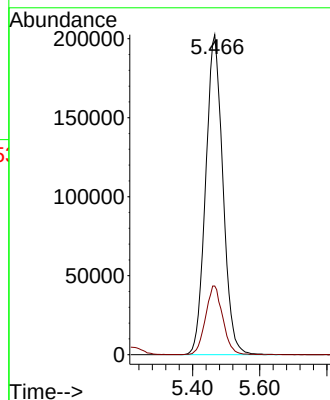
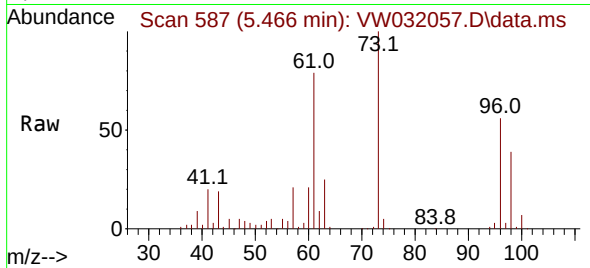




#19
Methyl tert-butyl Ether
Concen: 149.999 ug/l
RT: 5.466 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

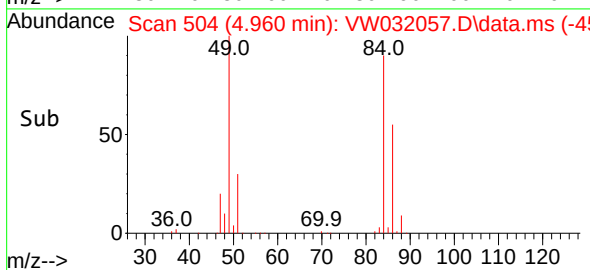
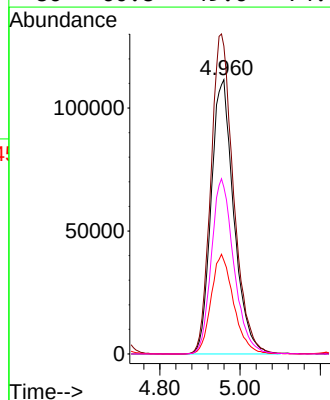
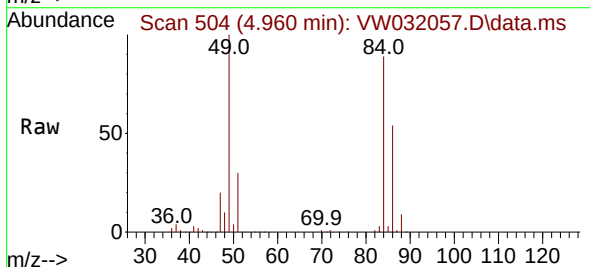
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

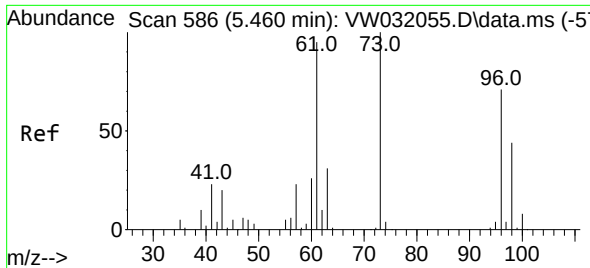
Tgt Ion: 73 Resp: 719923
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8



#20
Methylene Chloride
Concen: 125.744 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 84 Resp: 437275
Ion Ratio Lower Upper
84 100
49 112.3 95.9 143.9
51 34.1 28.6 43.0
86 60.8 49.6 74.4

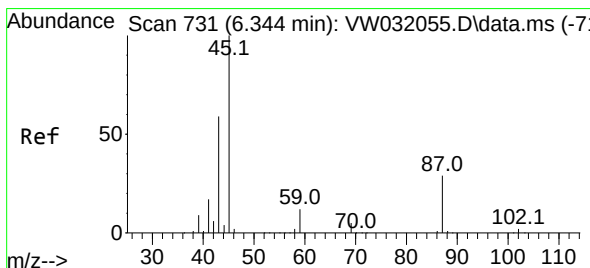
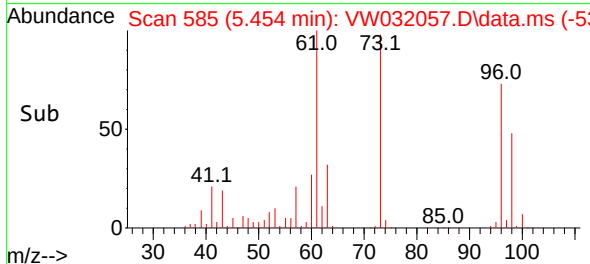
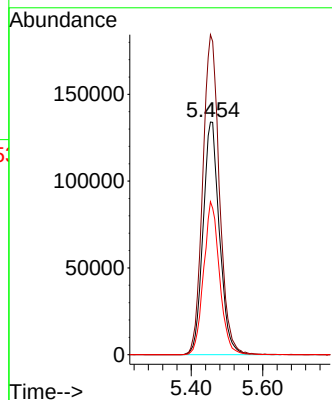
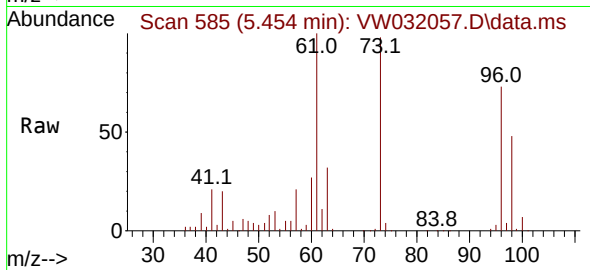




#21
trans-1,2-Dichloroethene
Concen: 147.794 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

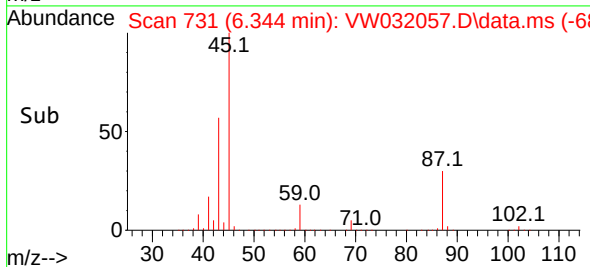
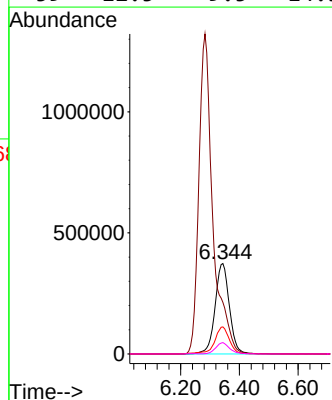
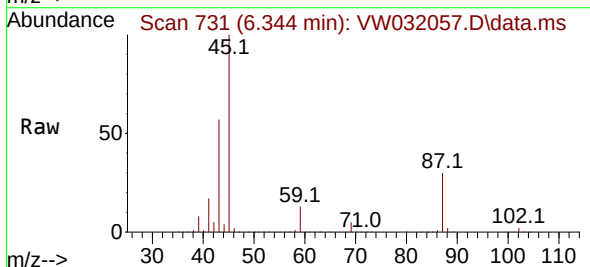
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

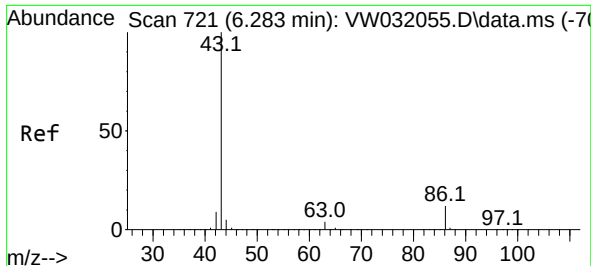
Tgt Ion: 96 Resp: 427242
Ion Ratio Lower Upper
96 100
61 137.5 106.8 160.2
98 65.7 49.6 74.4



#22
Diisopropyl ether
Concen: 150.866 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 45 Resp: 1260898
Ion Ratio Lower Upper
45 100
43 57.1 47.0 70.4
87 30.0 23.8 35.8
59 12.5 9.5 14.3

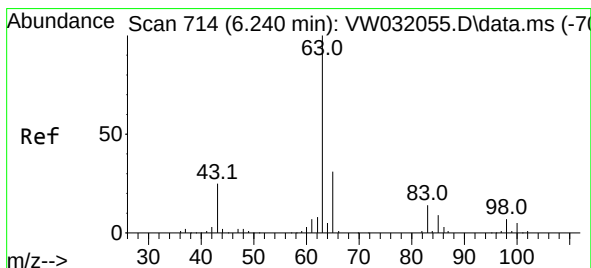
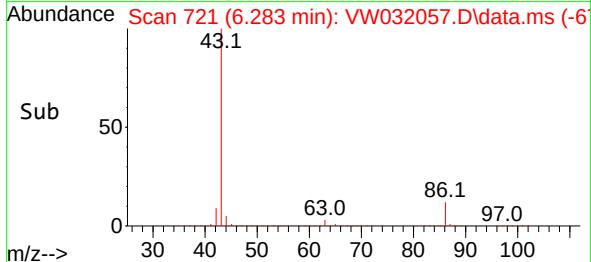
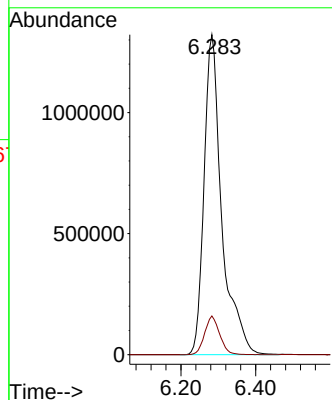
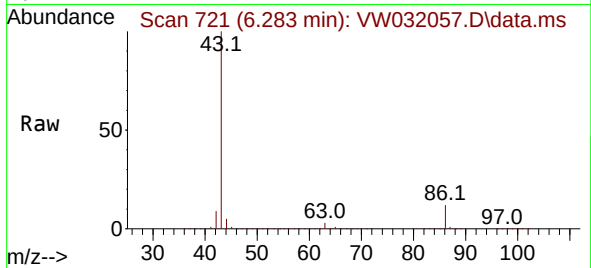




#23
 Vinyl Acetate
 Concen: 793.927 ug/l
 RT: 6.283 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

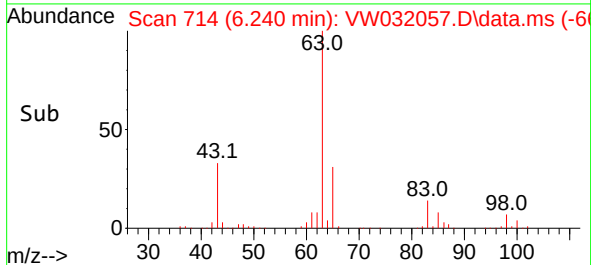
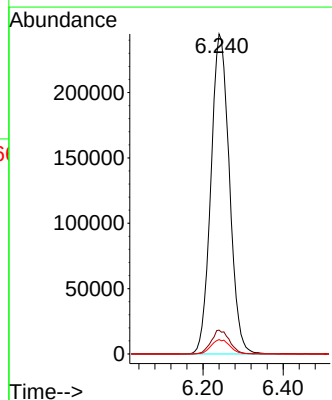
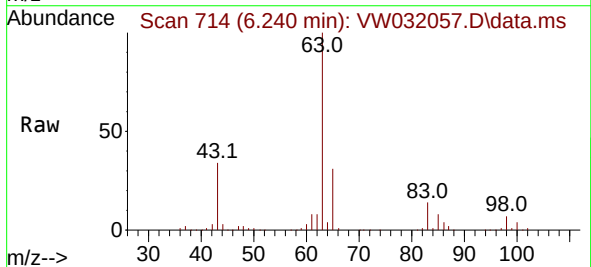
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

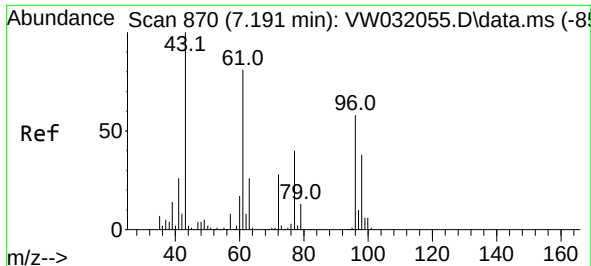
Tgt Ion: 43 Resp: 4356523
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 146.472 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion: 63 Resp: 782153
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.7 11.1
 100 4.5 2.5 7.4

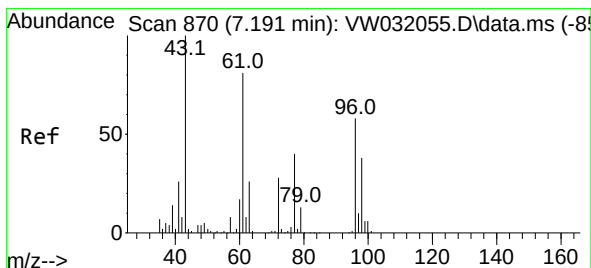
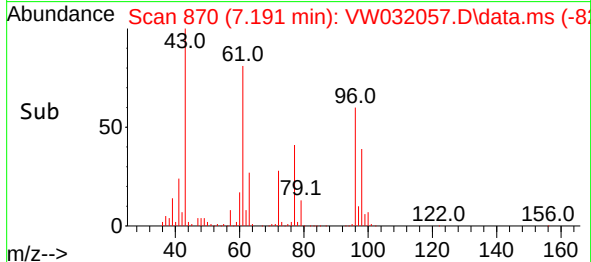
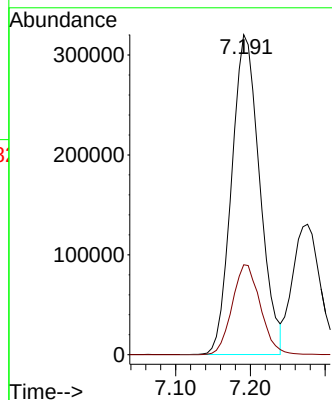
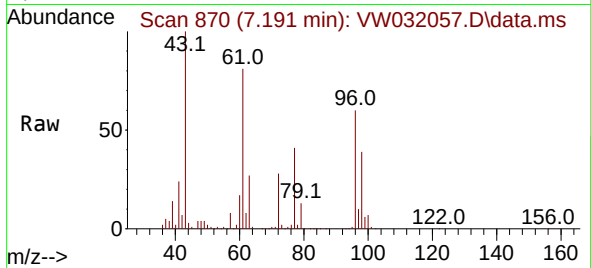




#25
2-Butanone
Concen: 783.936 ug/l
RT: 7.191 min Scan# 81
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

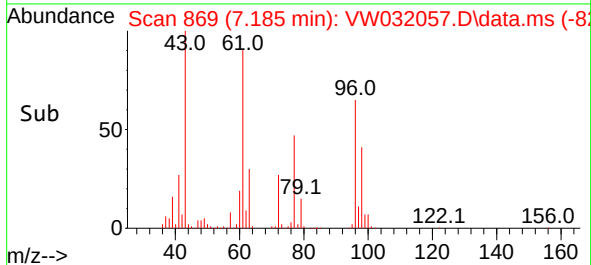
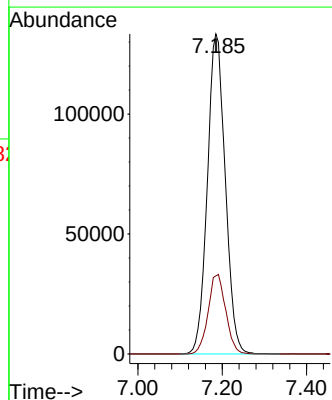
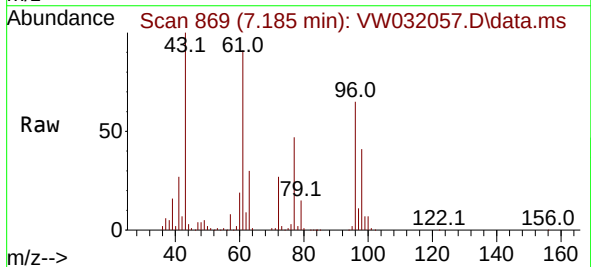
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

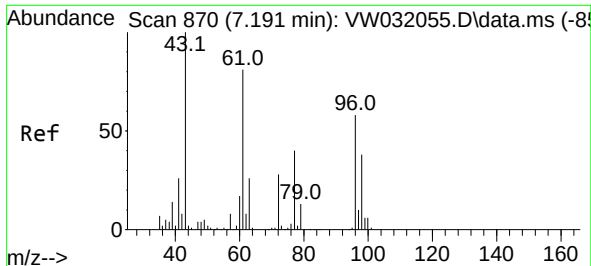
Tgt Ion: 43 Resp: 837991
Ion Ratio Lower Upper
43 100
72 28.1 22.3 33.5



#26
2,2-Dichloropropane
Concen: 147.064 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 77 Resp: 393976
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 153.420 ug/l

RT: 7.191 min Scan# 870

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

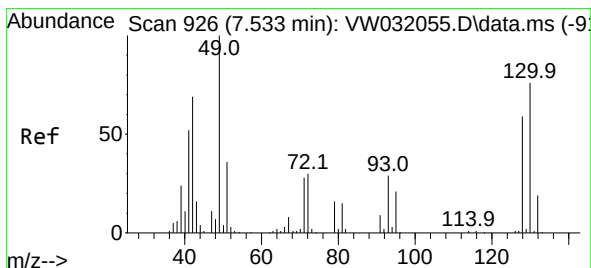
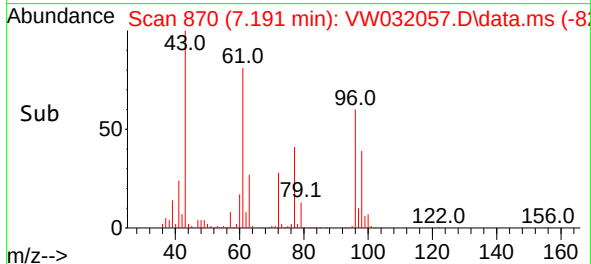
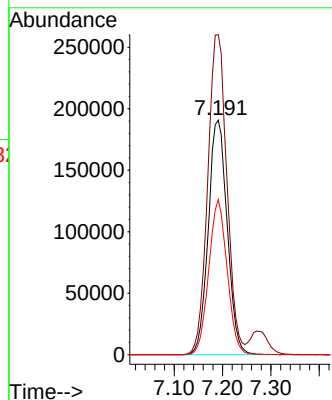
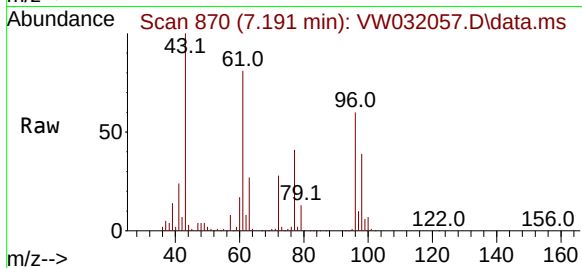
Tgt Ion: 96 Resp: 518413

Ion Ratio Lower Upper

96 100

61 138.5 0.0 281.2

98 64.2 0.0 130.8



#28

Bromochloromethane

Concen: 146.781 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

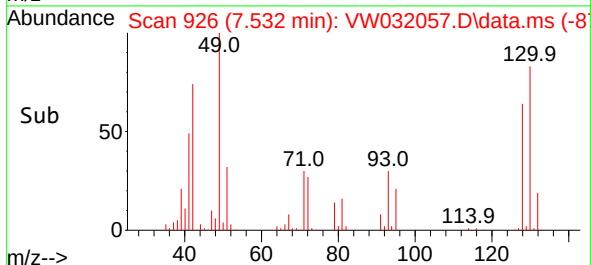
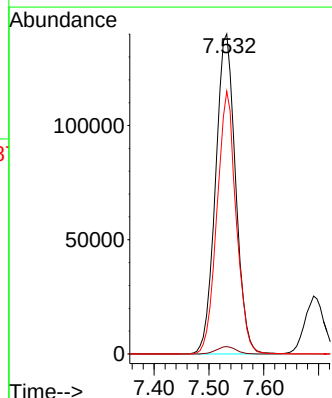
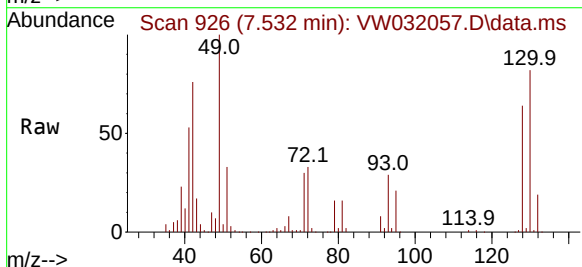
Tgt Ion: 49 Resp: 356684

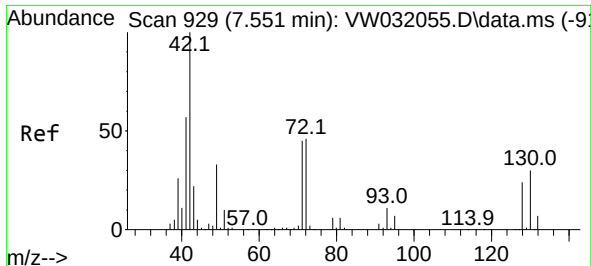
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 78.3 61.9 92.9





#29

Tetrahydrofuran

Concen: 779.054 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

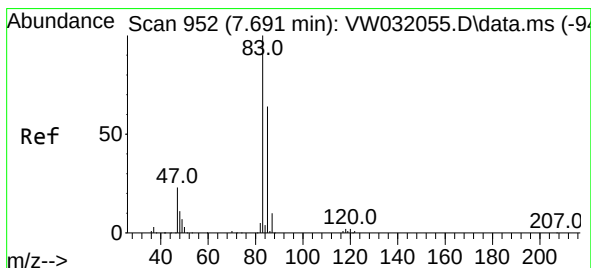
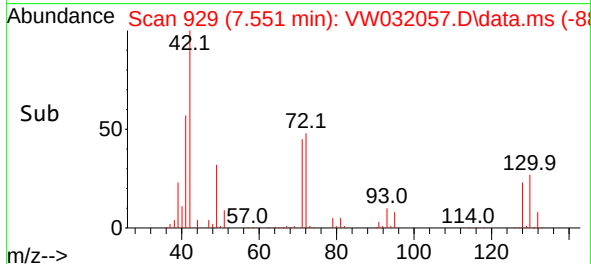
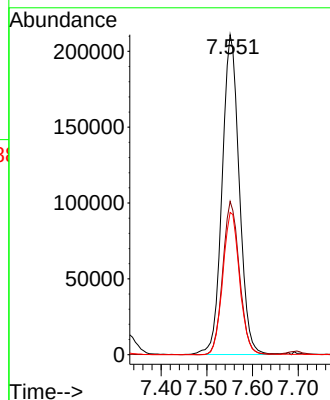
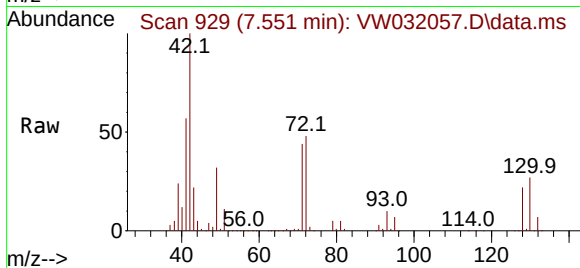
Tgt Ion: 42 Resp: 549203

Ion Ratio Lower Upper

42 100

72 46.7 36.6 55.0

71 43.8 34.7 52.1



#30

Chloroform

Concen: 145.528 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032057.D

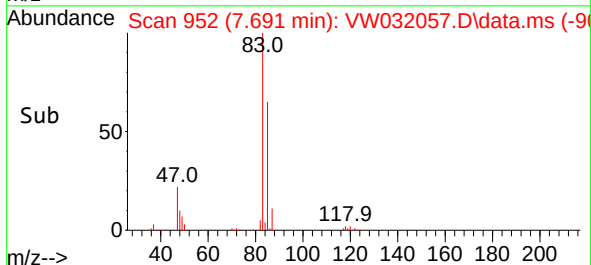
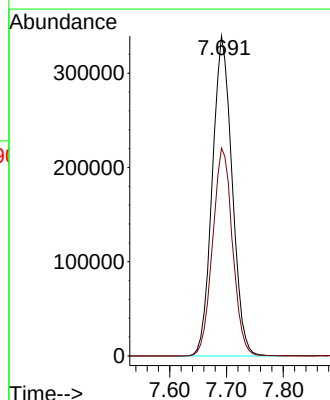
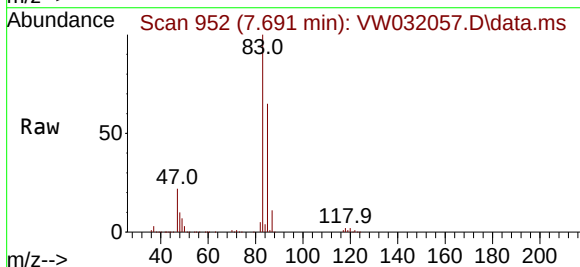
Acq: 11 Aug 2025 11:08

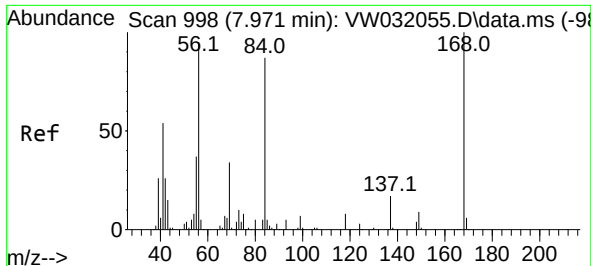
Tgt Ion: 83 Resp: 823850

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.4

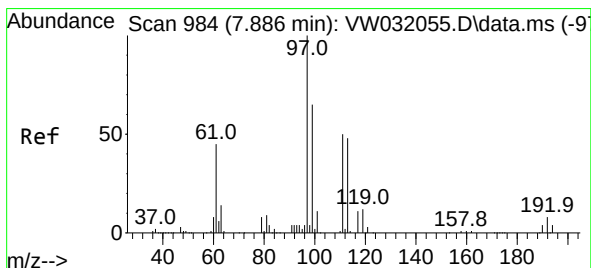
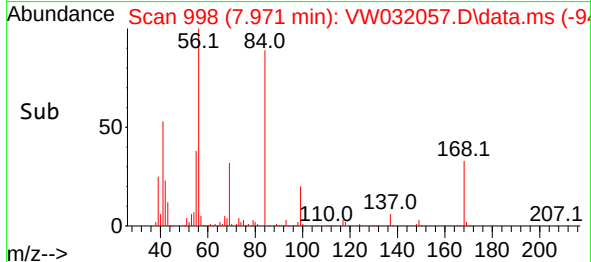
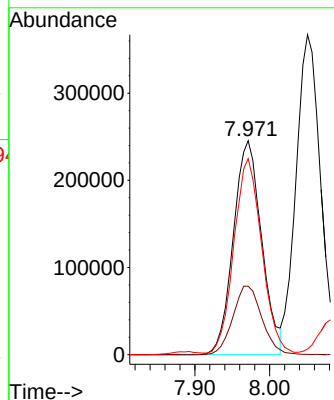
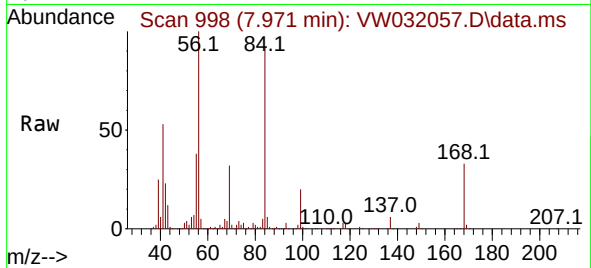




#31
Cyclohexane
Concen: 139.490 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

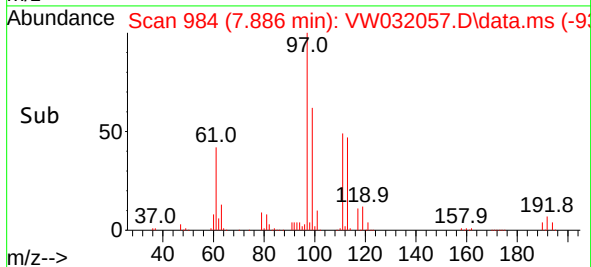
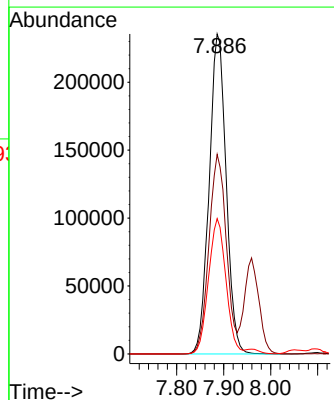
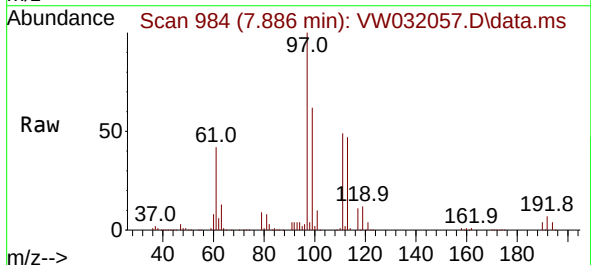
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

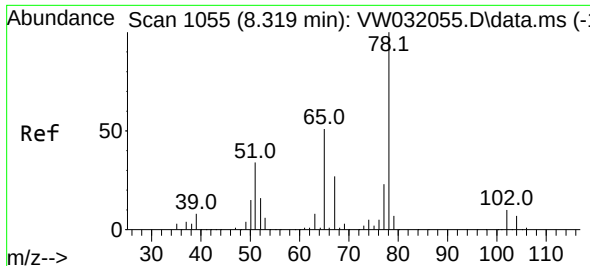
Tgt Ion: 56 Resp: 645762
Ion Ratio Lower Upper
56 100
69 32.0 28.6 42.8
84 90.3 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 143.816 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 97 Resp: 591372
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 43.3 35.9 53.9

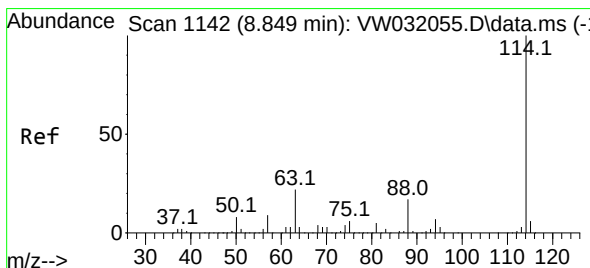
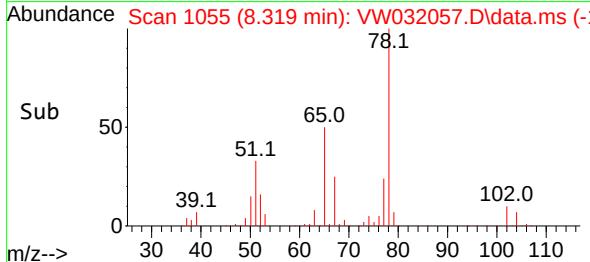
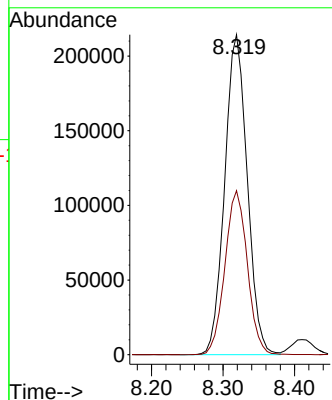
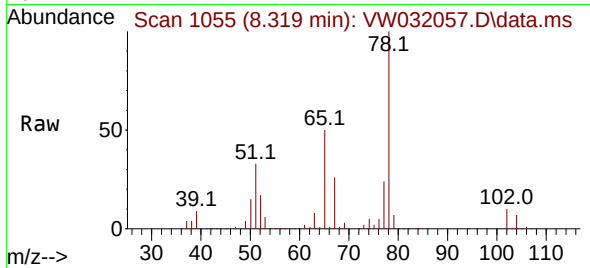




#33
 1,2-Dichloroethane-d4
 Concen: 144.584 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

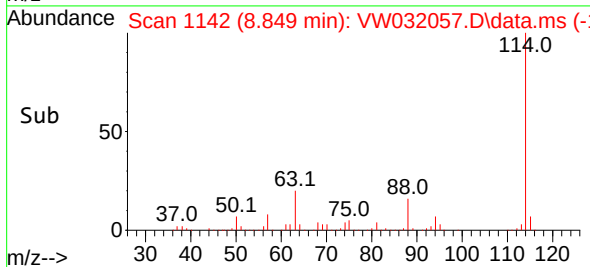
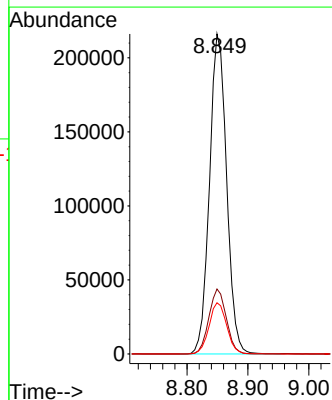
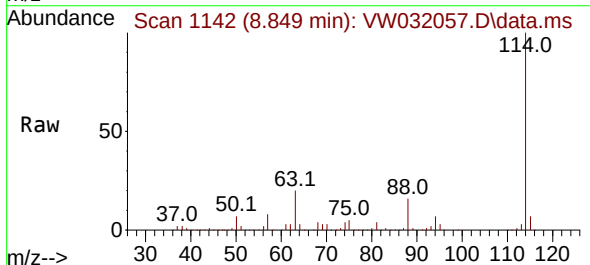
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

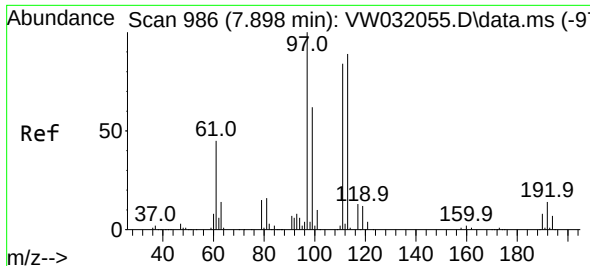
Tgt Ion: 65 Resp: 469688
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion: 114 Resp: 422167
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.0
 88 16.0 0.0 33.8

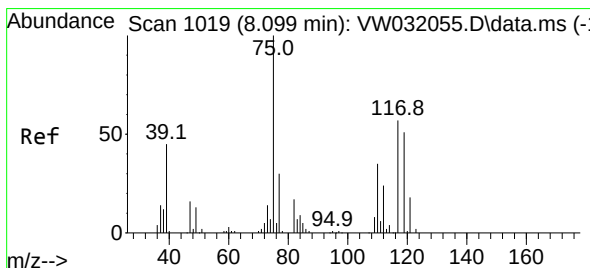
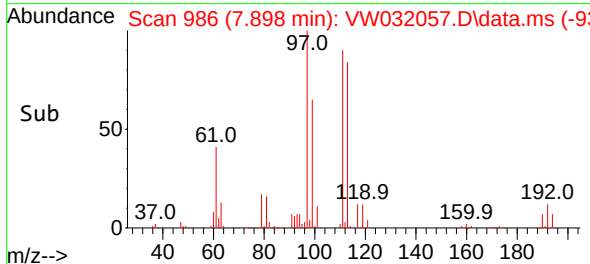
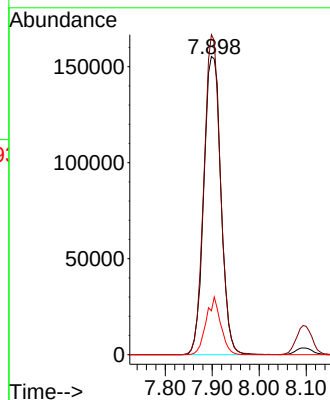
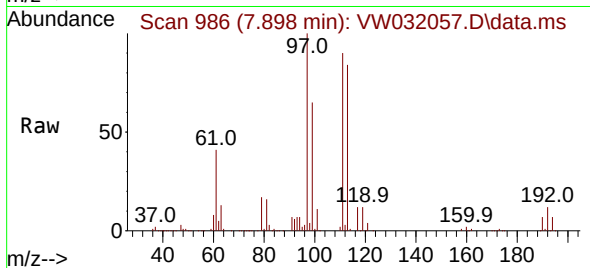




#35
Dibromofluoromethane
Concen: 144.207 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

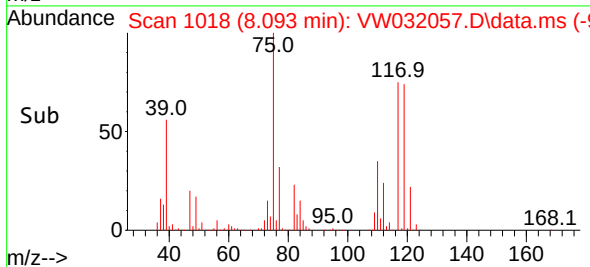
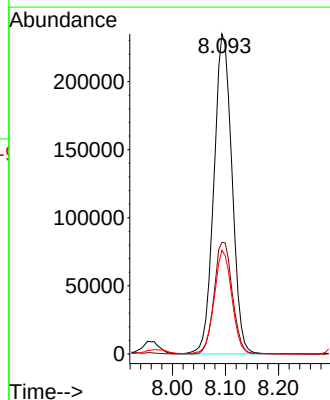
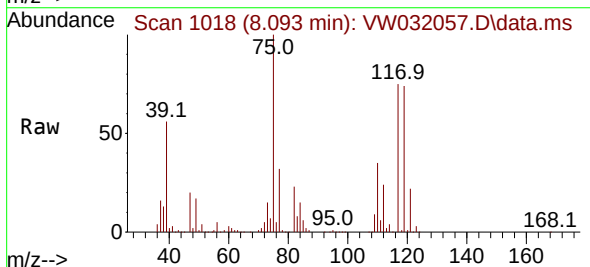
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

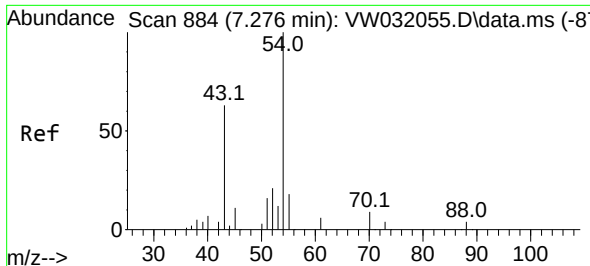
Tgt Ion:113 Resp: 393306
Ion Ratio Lower Upper
113 100
111 103.0 80.1 120.1
192 16.5 13.1 19.7



#36
1,1-Dichloropropene
Concen: 144.659 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 75 Resp: 556189
Ion Ratio Lower Upper
75 100
110 35.2 17.4 52.2
77 31.7 24.7 37.1





#37

Ethyl Acetate

Concen: 154.109 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

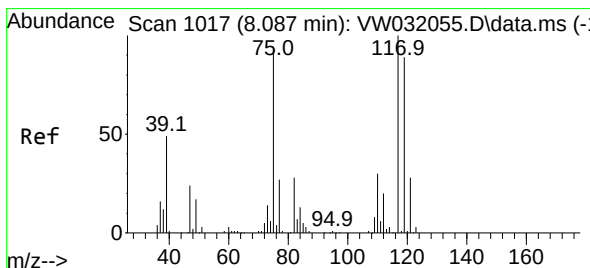
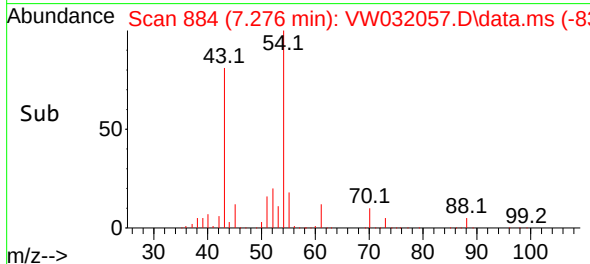
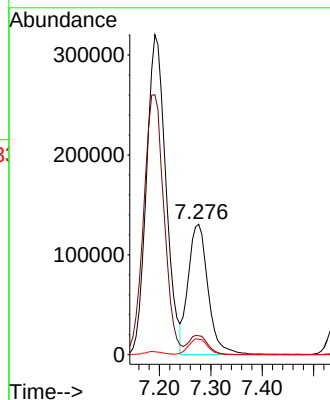
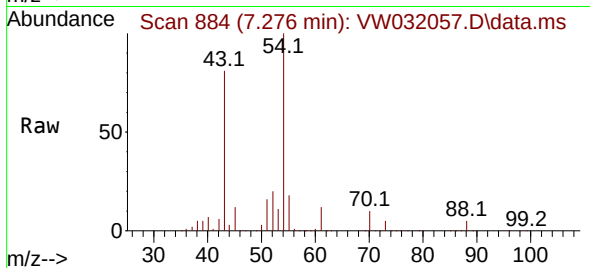
Tgt Ion: 43 Resp: 348970

Ion Ratio Lower Upper

43 100

61 14.4 11.8 17.6

70 11.8 9.4 14.0



#38

Carbon Tetrachloride

Concen: 146.799 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

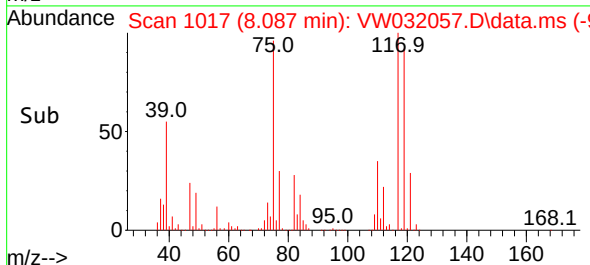
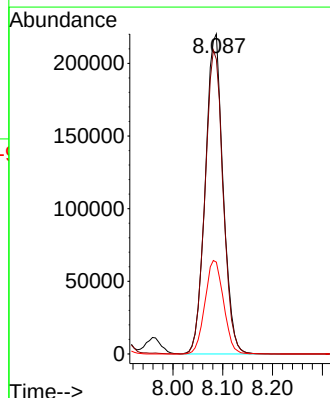
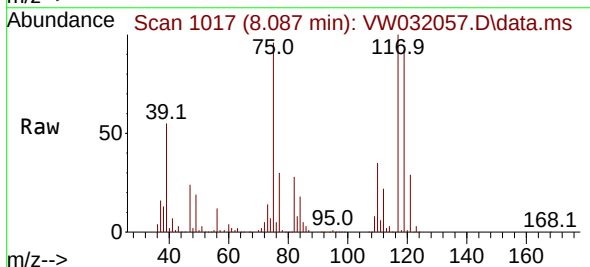
Tgt Ion: 117 Resp: 544688

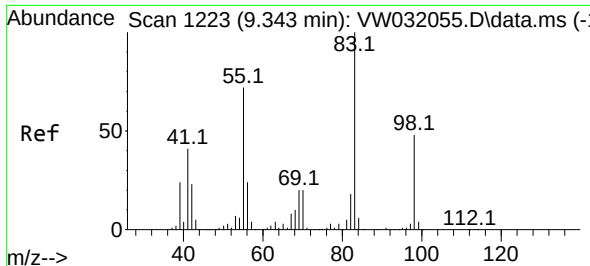
Ion Ratio Lower Upper

117 100

119 92.1 71.4 107.2

121 28.7 22.3 33.5

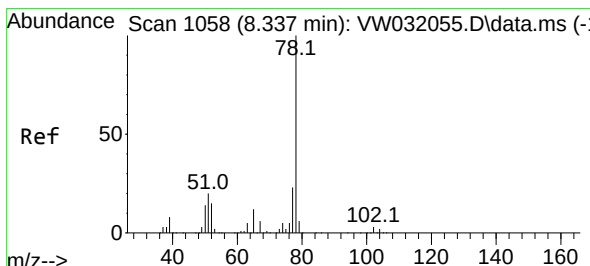
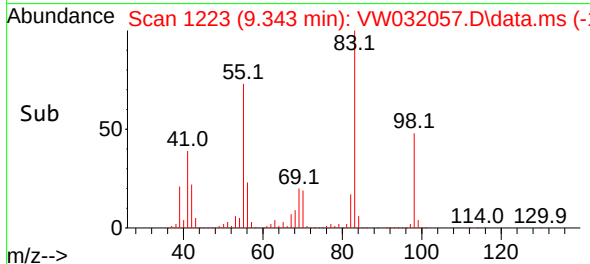
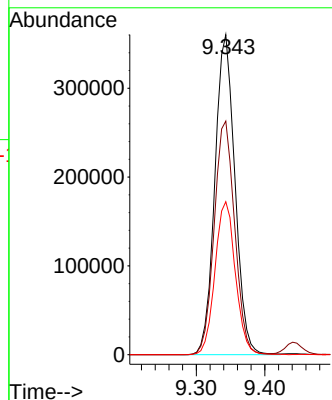
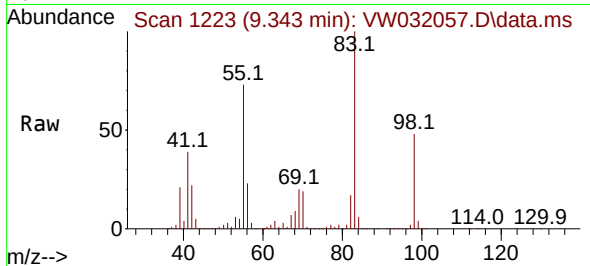




#39
Methylcyclohexane
Concen: 156.286 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

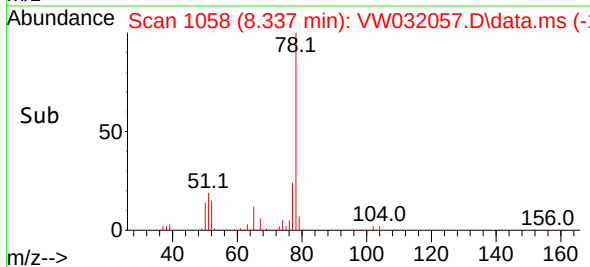
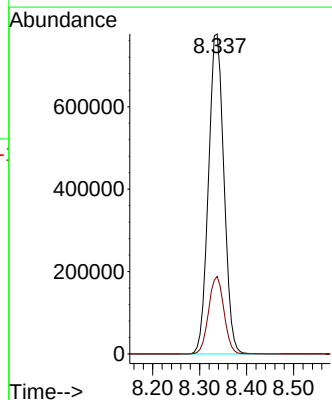
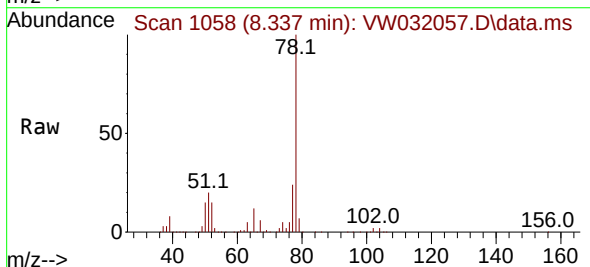
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

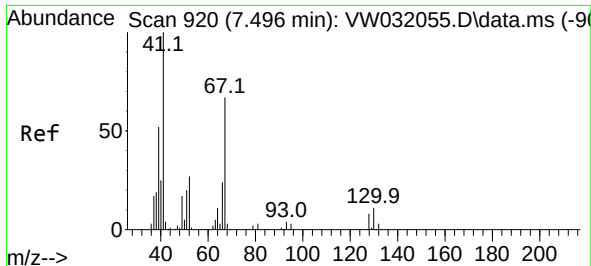
Tgt Ion: 83 Resp: 732413
Ion Ratio Lower Upper
83 100
55 73.0 57.9 86.9
98 47.8 38.3 57.5



#40
Benzene
Concen: 148.159 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 78 Resp: 1770706
Ion Ratio Lower Upper
78 100
77 24.3 18.4 27.6



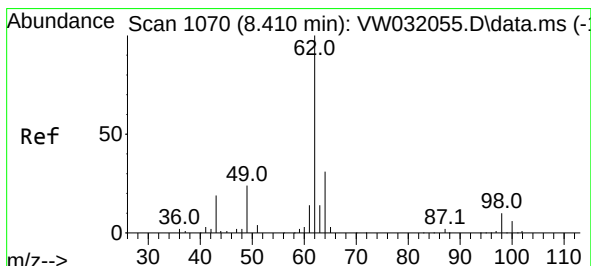
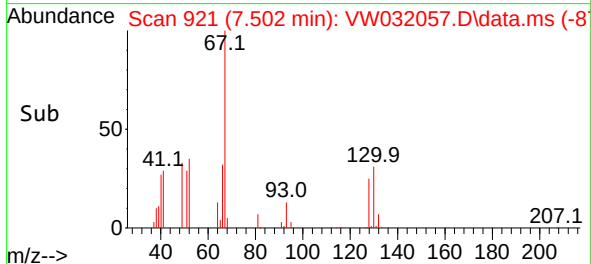
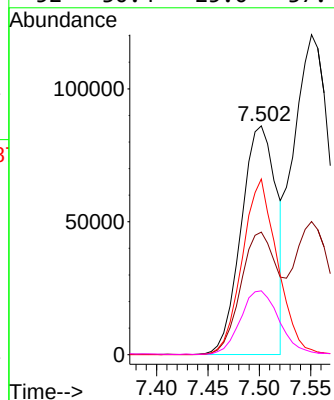
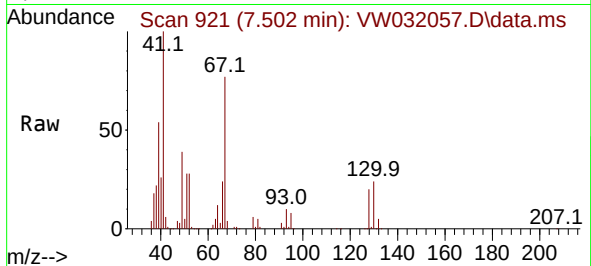


#41
Methacrylonitrile
Concen: 160.204 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 205729

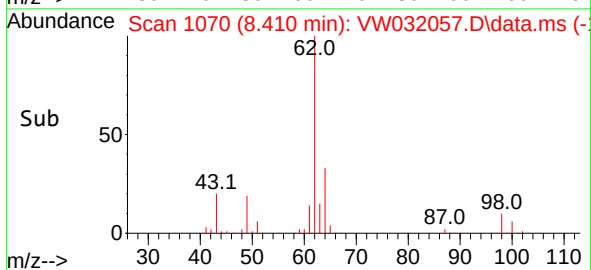
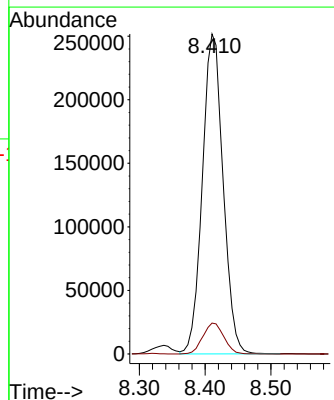
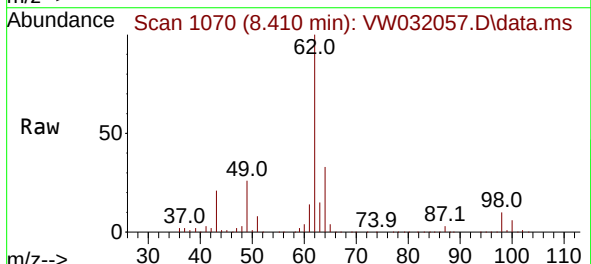
Ion	Ratio	Lower	Upper
41	100		
39	58.7	42.6	63.8
67	76.7	61.0	91.4
52	30.4	25.0	37.4

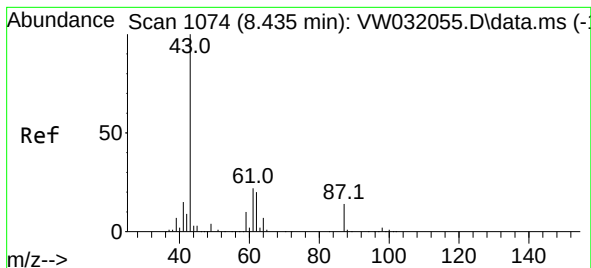


#42
1,2-Dichloroethane
Concen: 144.388 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 62 Resp: 552184

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 159.788 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

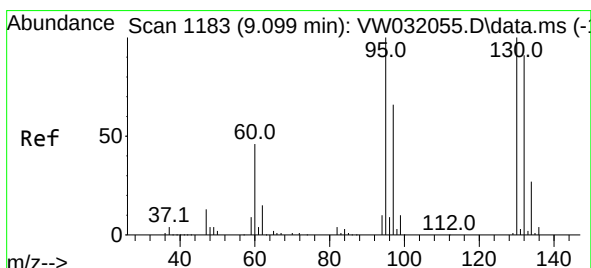
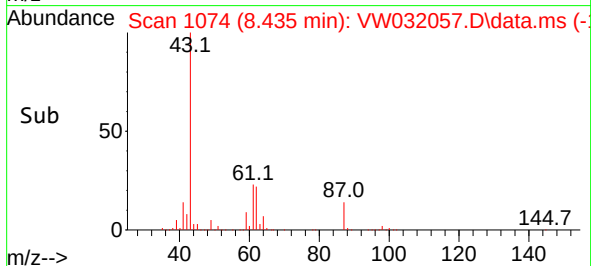
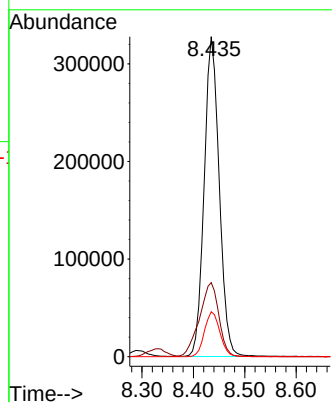
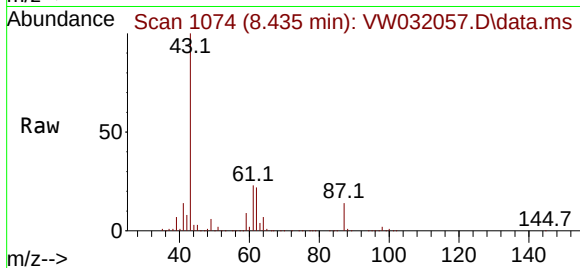
Tgt Ion: 43 Resp: 665712

Ion Ratio Lower Upper

43 100

61 29.7 23.8 35.8

87 14.5 11.7 17.5



#44

Trichloroethene

Concen: 149.281 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. -0.000 min

Lab File: VW032057.D

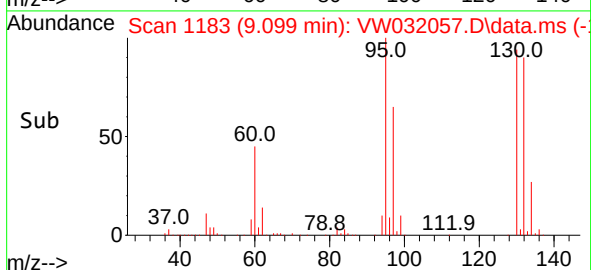
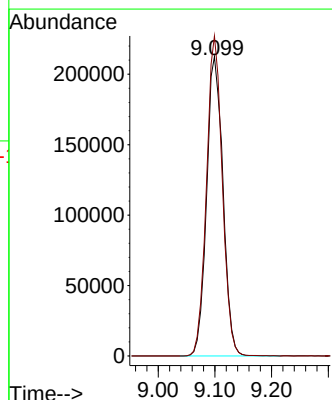
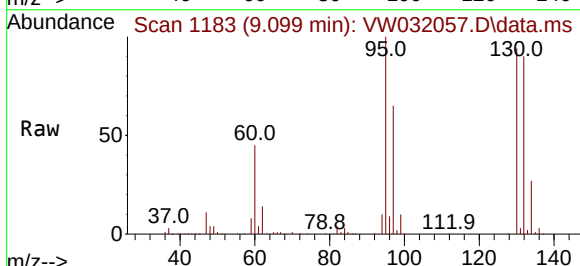
Acq: 11 Aug 2025 11:08

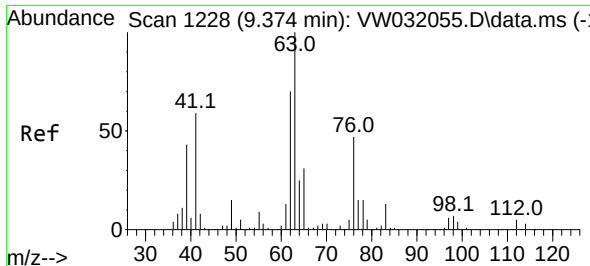
Tgt Ion:130 Resp: 424873

Ion Ratio Lower Upper

130 100

95 106.9 0.0 200.6

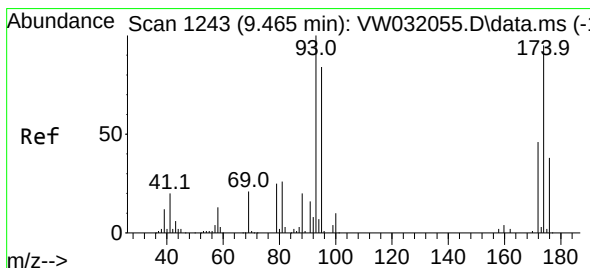
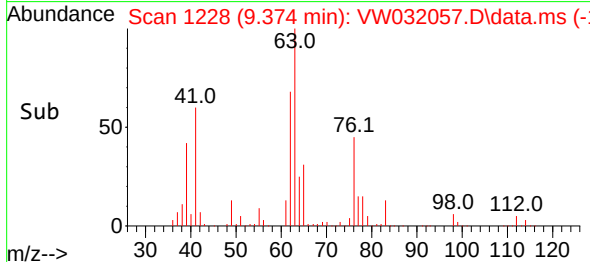
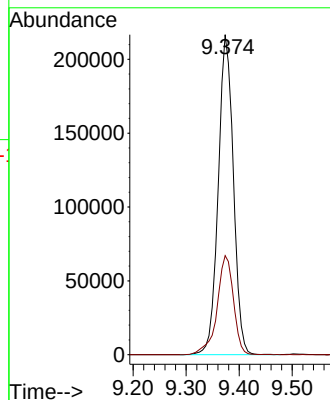
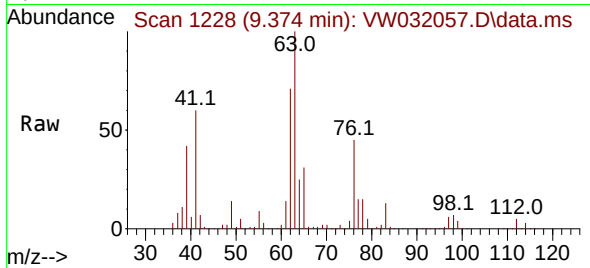




#45
1,2-Dichloropropane
Concen: 148.679 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

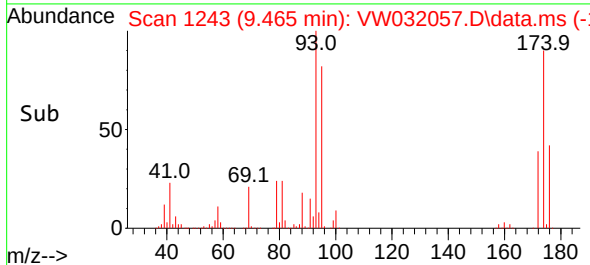
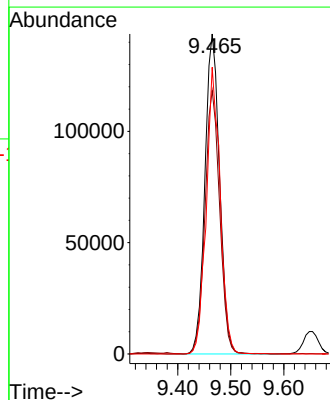
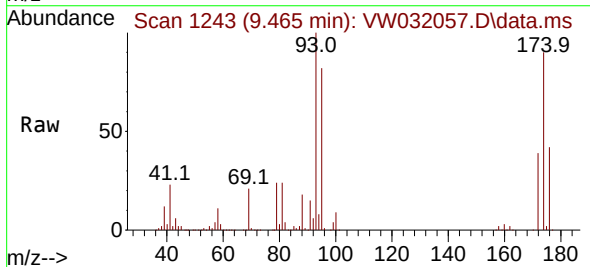
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

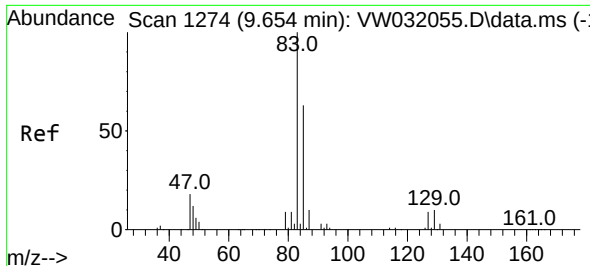
Tgt Ion: 63 Resp: 429280
Ion Ratio Lower Upper
63 100
65 30.9 24.6 36.8



#46
Dibromomethane
Concen: 148.678 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 93 Resp: 277058
Ion Ratio Lower Upper
93 100
95 82.2 65.3 97.9
174 84.7 68.6 102.8

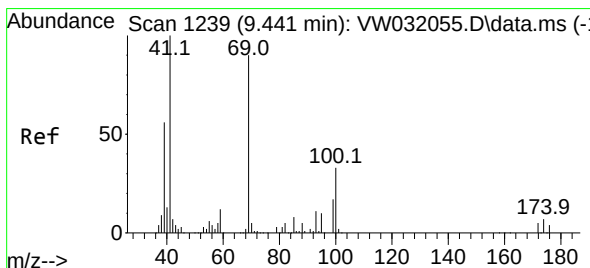
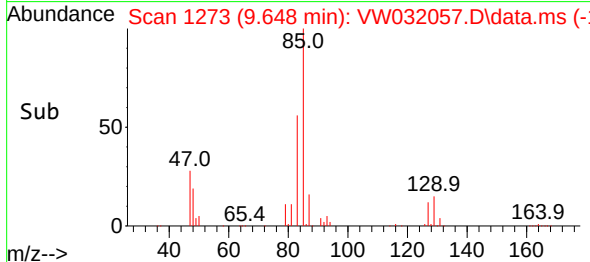
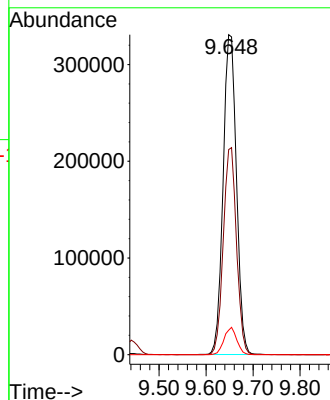
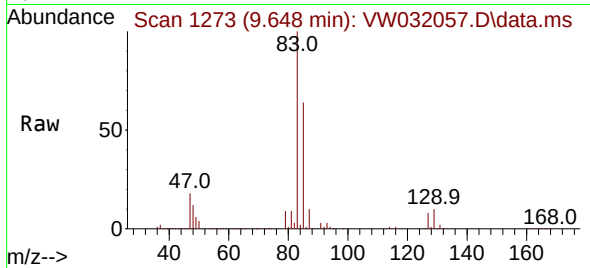




#47
Bromodichloromethane
Concen: 152.185 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

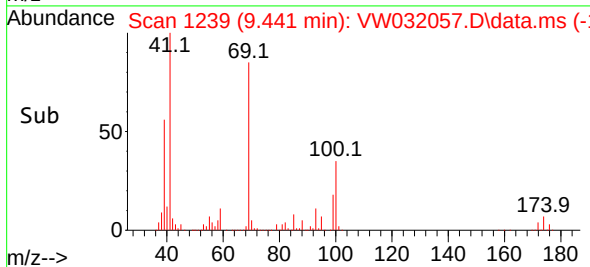
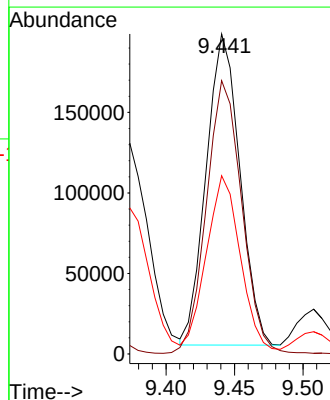
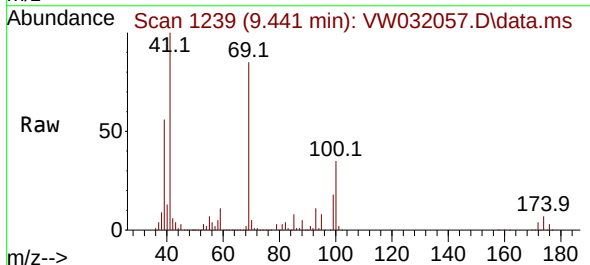
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

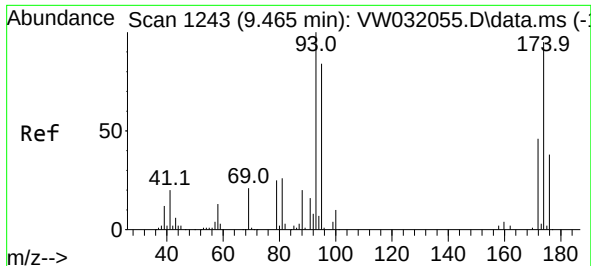
Tgt Ion: 83 Resp: 653476
Ion Ratio Lower Upper
83 100
85 64.1 50.6 75.8
127 7.7 6.9 10.3



#48
Methyl methacrylate
Concen: 164.326 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 41 Resp: 330511
Ion Ratio Lower Upper
41 100
69 92.4 73.0 109.6
39 55.2 45.0 67.4





#49

1,4-Dioxane

Concen: 3279.484 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

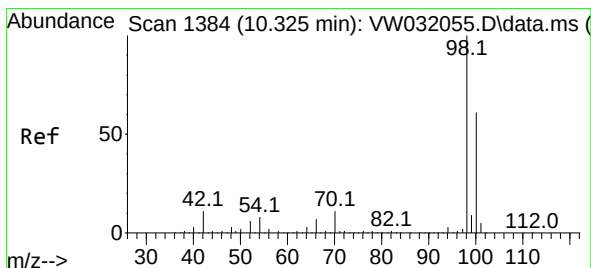
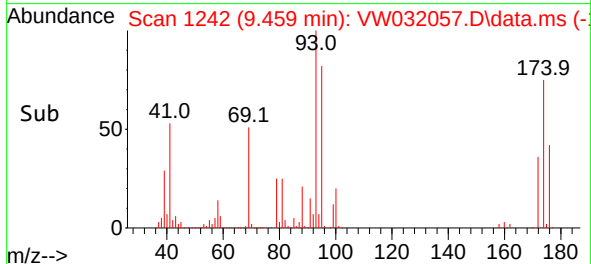
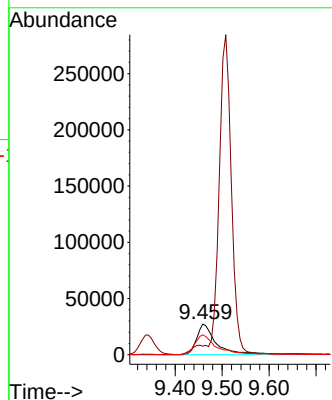
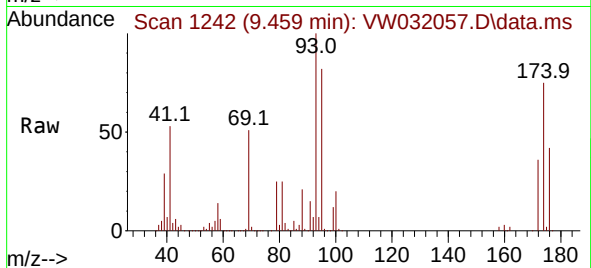
Tgt Ion: 88 Resp: 79016

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 70.8 60.4 90.6



#50

Toluene-d8

Concen: 147.908 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032057.D

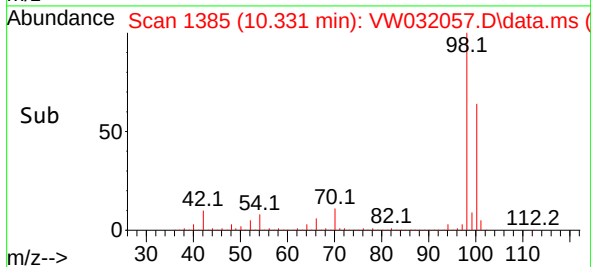
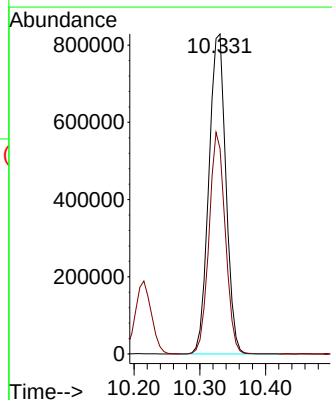
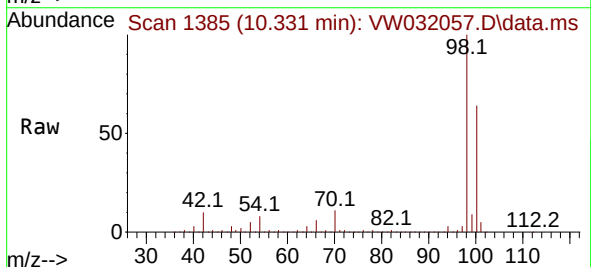
Acq: 11 Aug 2025 11:08

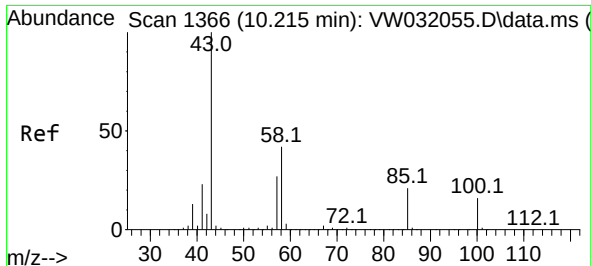
Tgt Ion: 98 Resp: 1492050

Ion Ratio Lower Upper

98 100

100 66.0 51.1 76.7

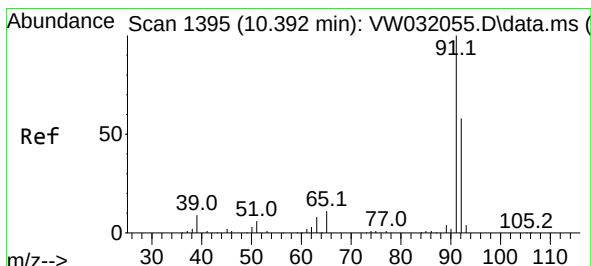
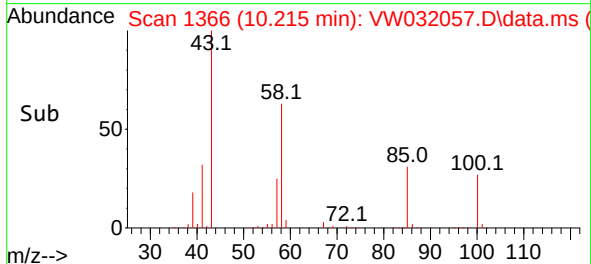
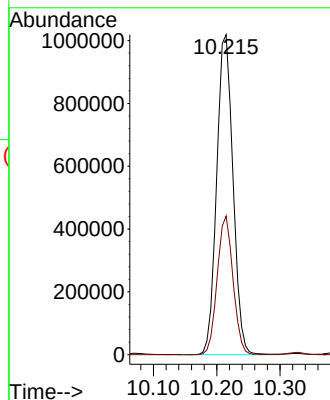
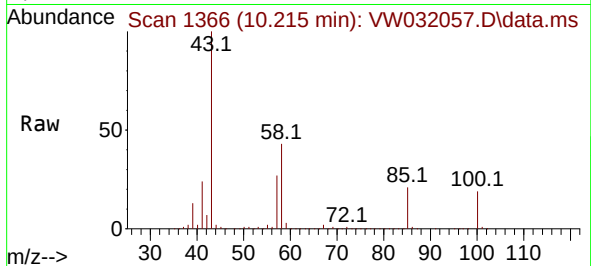




#51
4-Methyl-2-Pentanone
Concen: 772.800 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

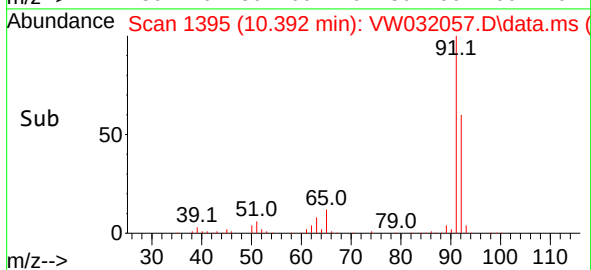
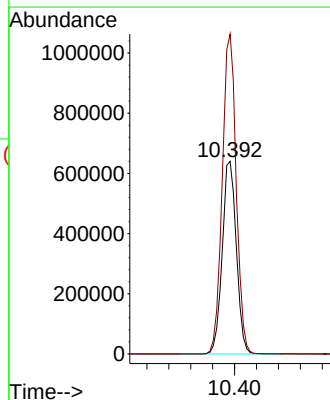
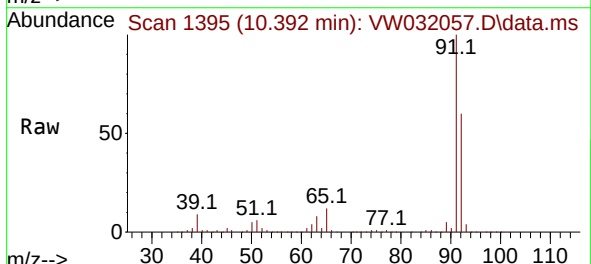
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

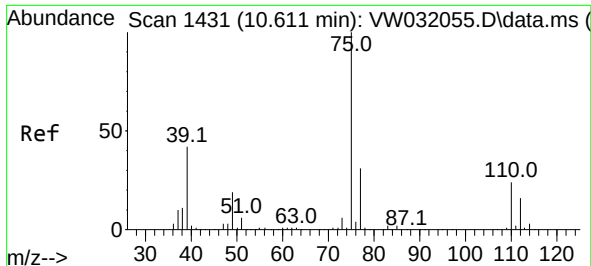
Tgt Ion: 43 Resp: 1817273
Ion Ratio Lower Upper
43 100
58 42.0 33.1 49.7



#52
Toluene
Concen: 151.812 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 92 Resp: 1142813
Ion Ratio Lower Upper
92 100
91 164.7 136.3 204.5

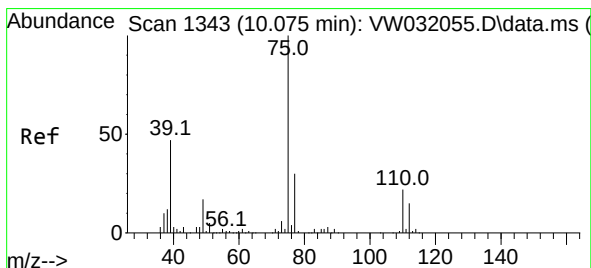
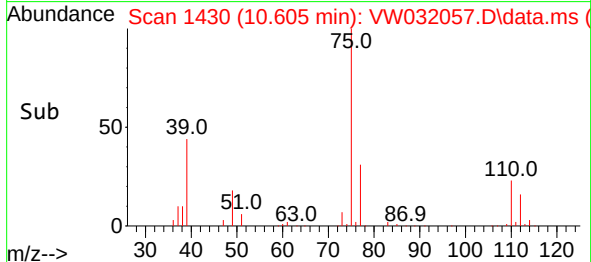
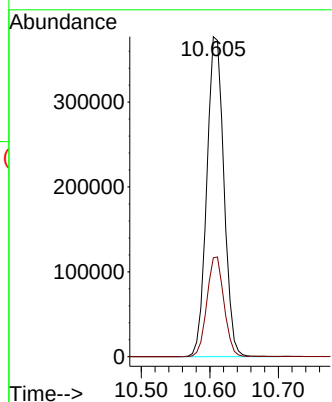
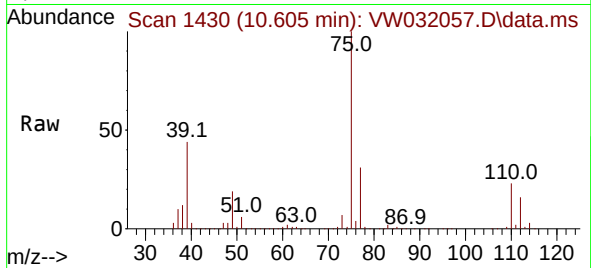




#53
 t-1,3-Dichloropropene
 Concen: 162.760 ug/l
 RT: 10.605 min Scan# 1430
 Delta R.T. -0.006 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

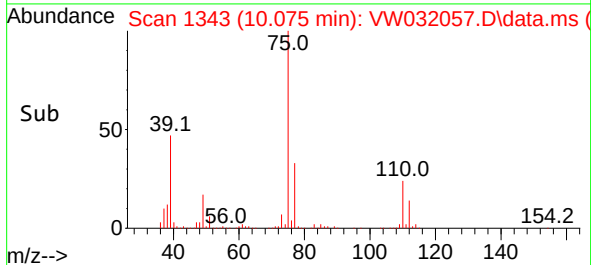
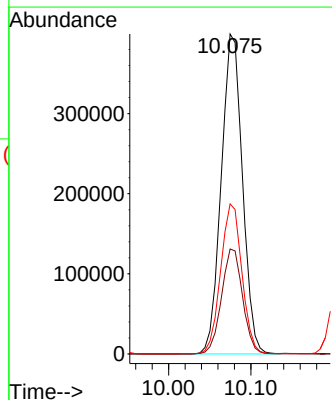
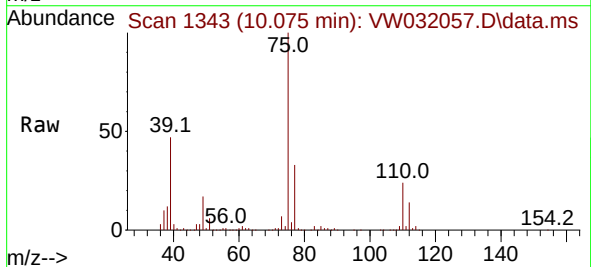
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

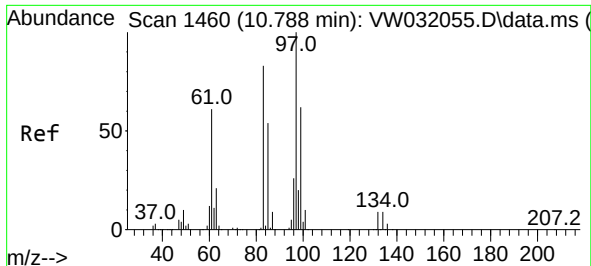
Tgt Ion: 75 Resp: 654765
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 157.011 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion: 75 Resp: 716583
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.0 36.0
 39 46.9 37.8 56.8

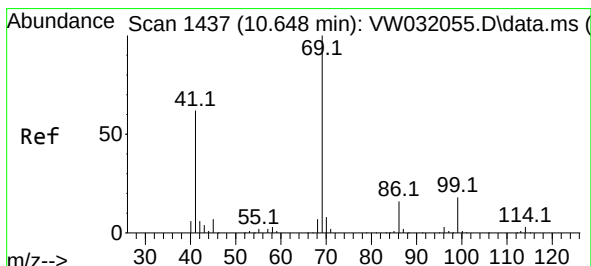
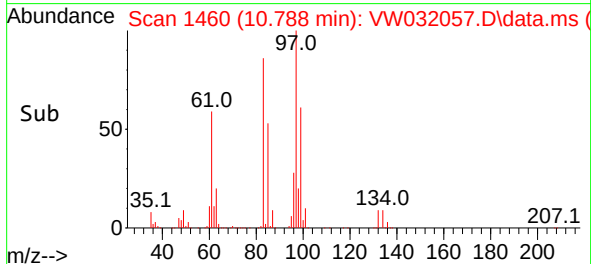
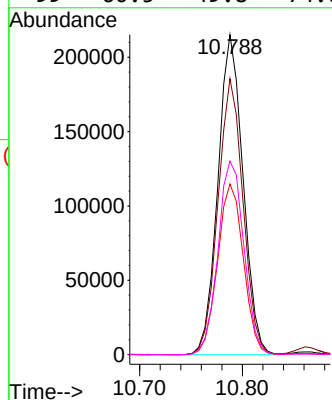
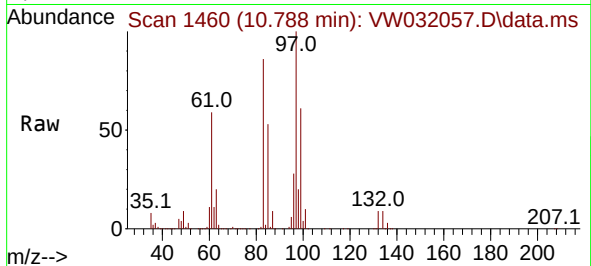




#55
1,1,2-Trichloroethane
Concen: 147.271 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

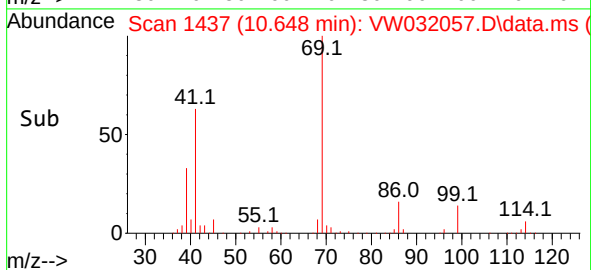
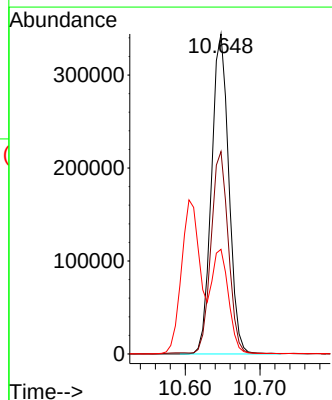
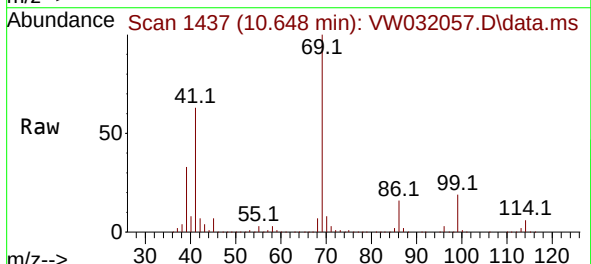
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

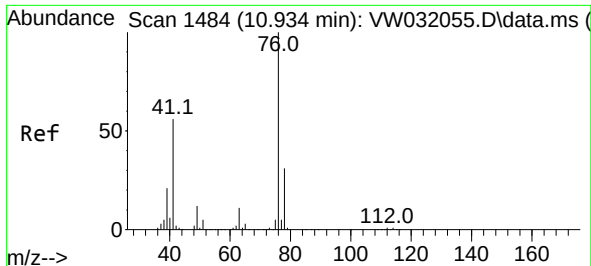
Tgt Ion:	97	Resp:	364680
Ion	Ratio	Lower	Upper
97	100		
83	86.3	66.4	99.6
85	53.3	43.1	64.7
99	60.5	49.8	74.6



#56
Ethyl methacrylate
Concen: 166.963 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:	69	Resp:	553265
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.2	76.8
39	30.8	25.4	38.0





#57

1,3-Dichloropropane

Concen: 149.298 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

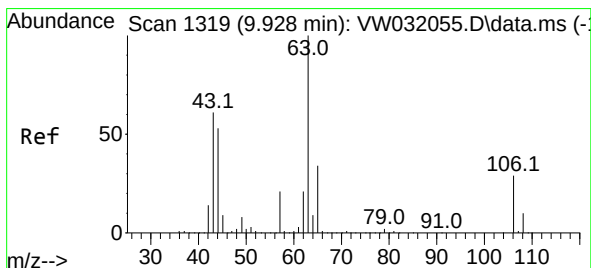
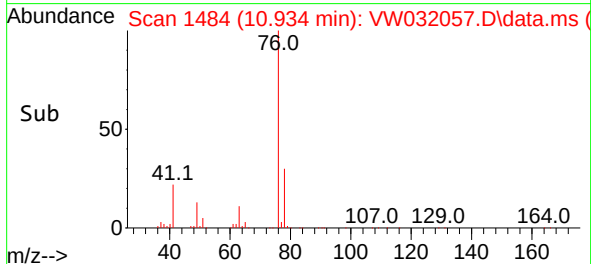
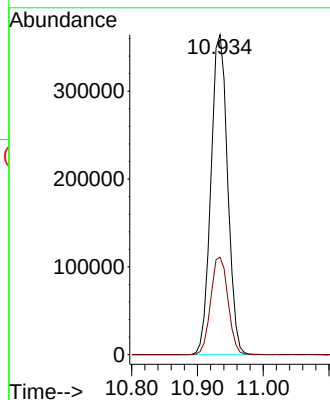
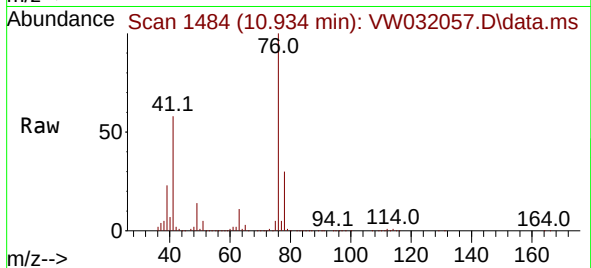
VSTDIC150

Tgt Ion: 76 Resp: 644418

Ion Ratio Lower Upper

76 100

78 31.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 784.377 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032057.D

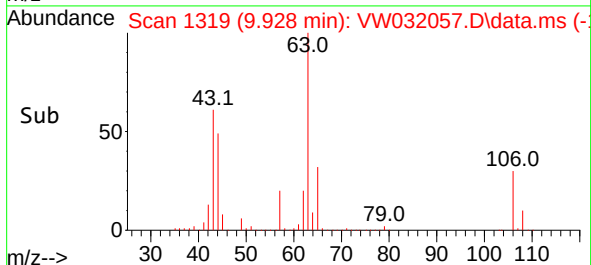
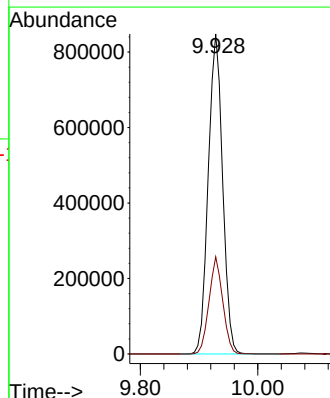
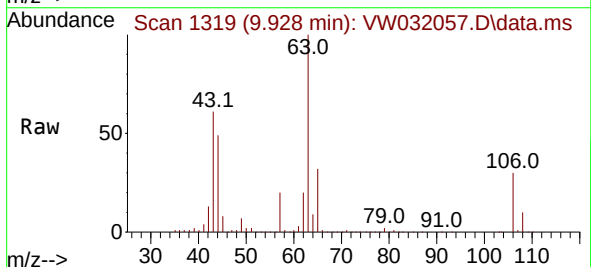
Acq: 11 Aug 2025 11:08

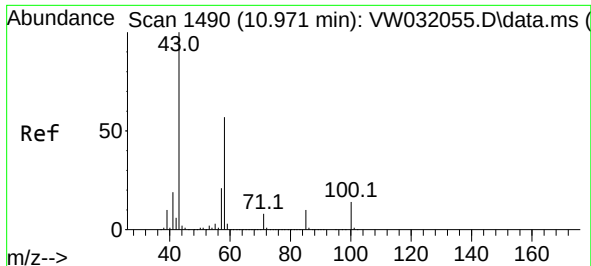
Tgt Ion: 63 Resp: 1437682

Ion Ratio Lower Upper

63 100

106 29.0 23.5 35.3

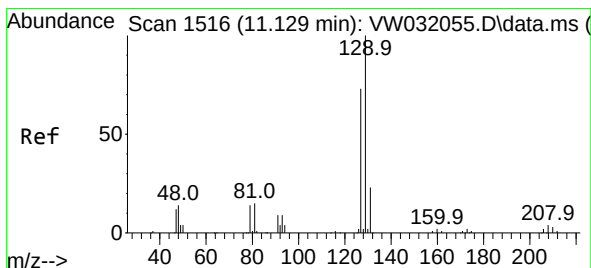
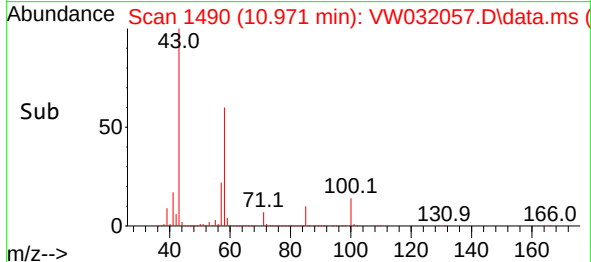
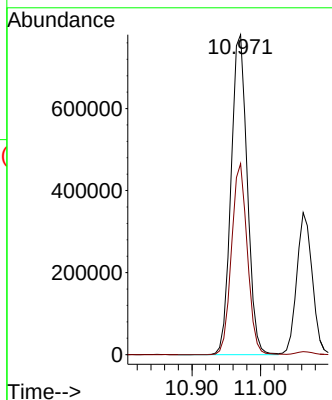
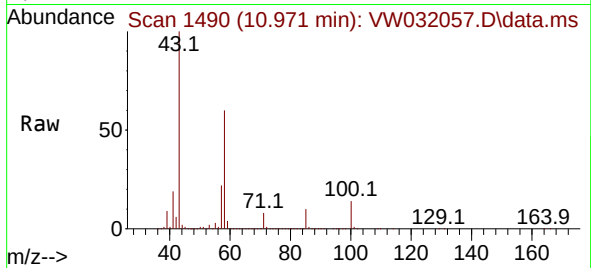




#59
2-Hexanone
Concen: 785.288 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

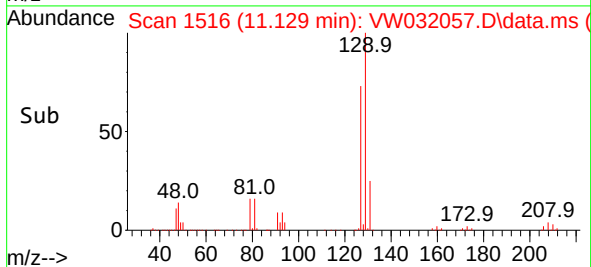
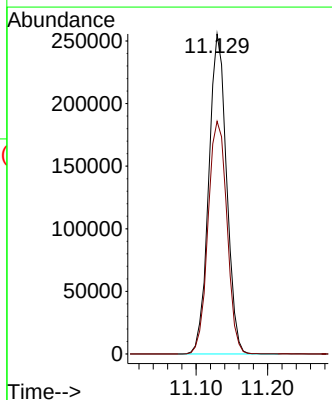
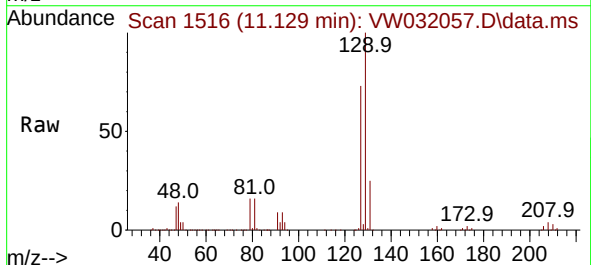
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

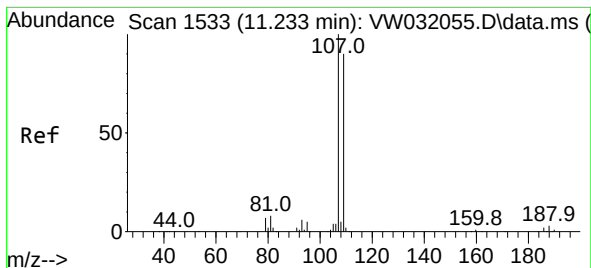
Tgt Ion: 43 Resp: 1278917
Ion Ratio Lower Upper
43 100
58 58.3 28.3 85.0



#60
Dibromochloromethane
Concen: 156.387 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:129 Resp: 442362
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9

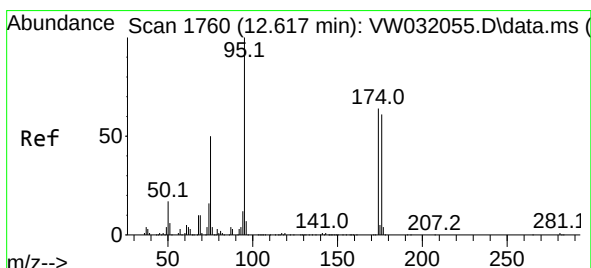
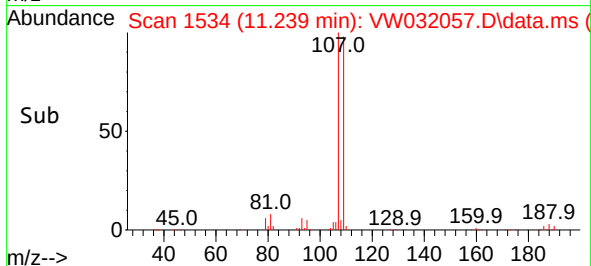
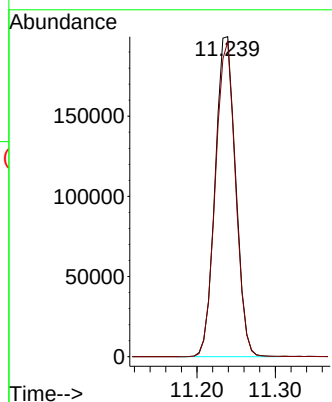
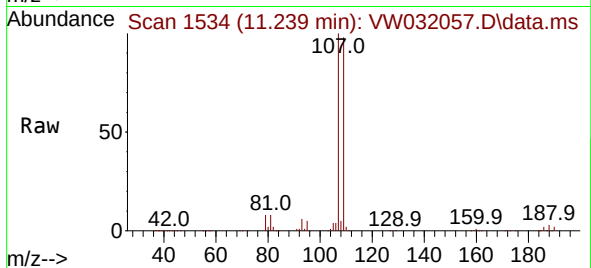




#61
1,2-Dibromoethane
Concen: 150.929 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

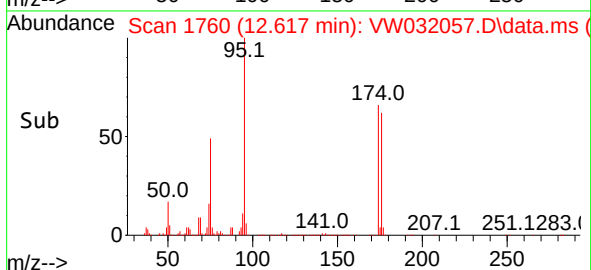
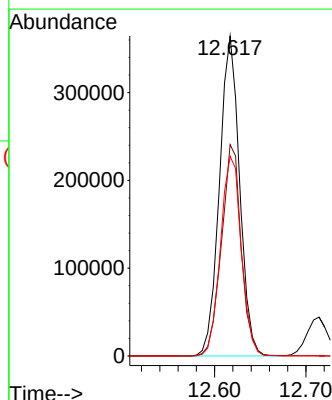
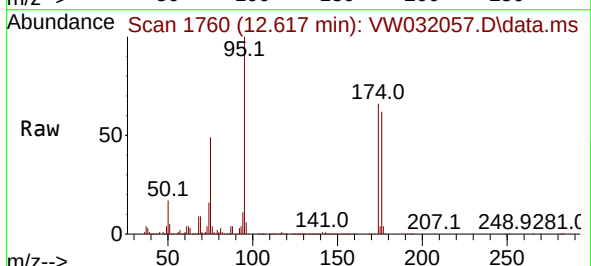
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

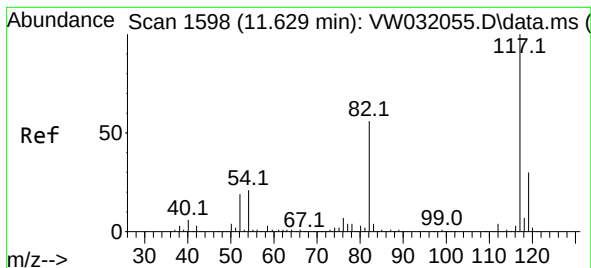
Tgt Ion:107 Resp: 363192
Ion Ratio Lower Upper
107 100
109 96.5 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 150.185 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 95 Resp: 558308
Ion Ratio Lower Upper
95 100
174 64.8 0.0 129.0
176 64.5 0.0 124.6

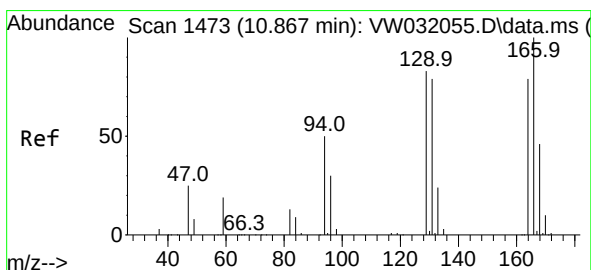
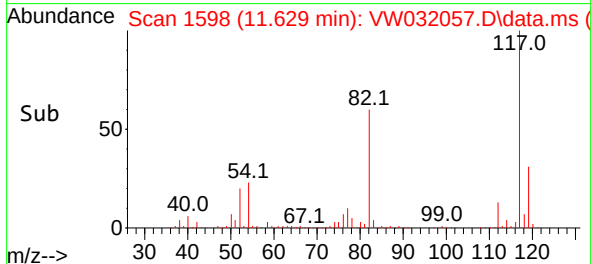
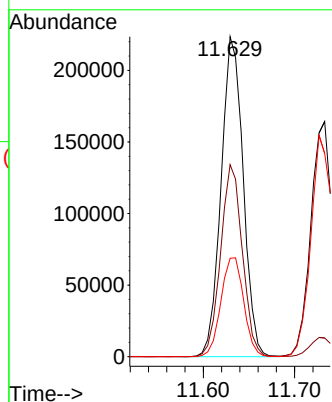
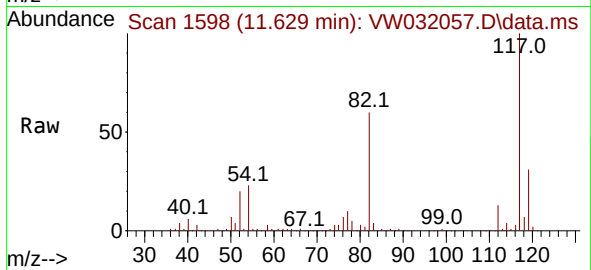




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

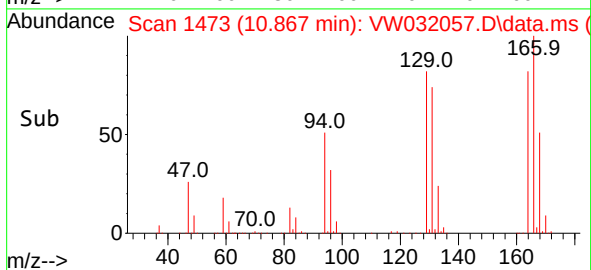
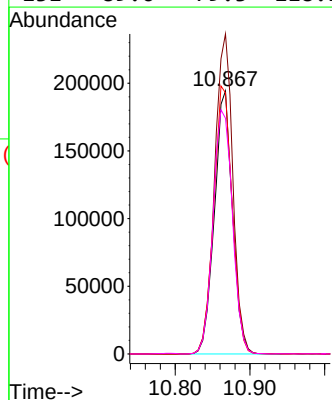
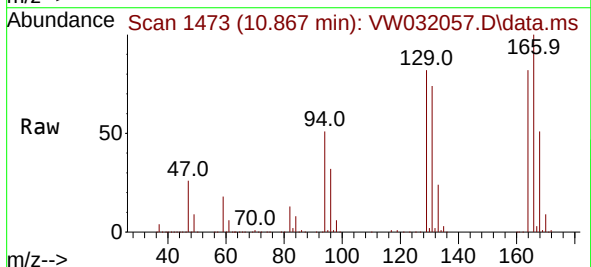
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

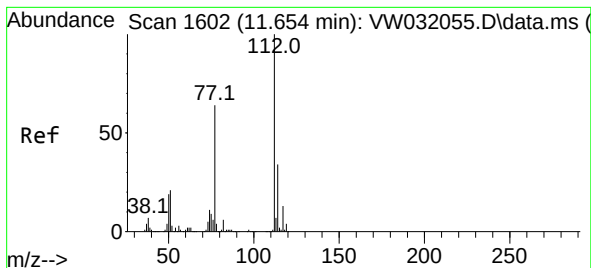
Tgt Ion:117 Resp: 375277
Ion Ratio Lower Upper
117 100
82 59.9 45.0 67.4
119 30.8 24.2 36.4



#64
Tetrachloroethene
Concen: 150.622 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:164 Resp: 326491
Ion Ratio Lower Upper
164 100
166 121.6 100.9 151.3
129 99.3 83.6 125.4
131 89.6 79.3 118.9





#65

Chlorobenzene

Concen: 150.609 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

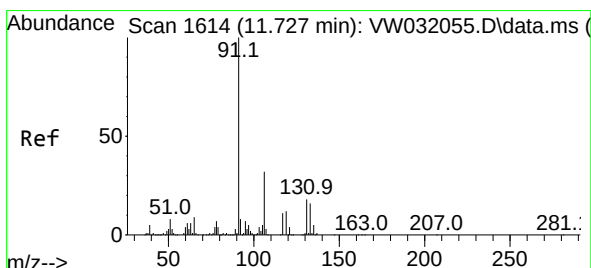
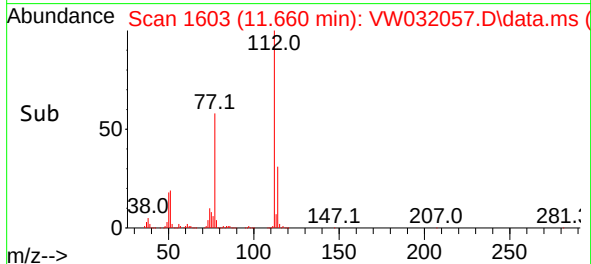
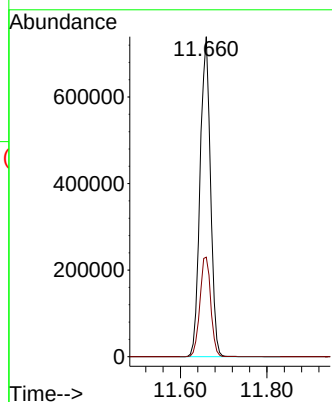
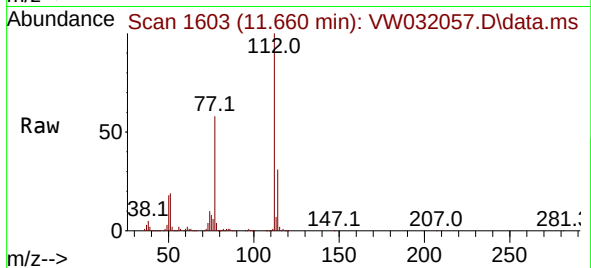
VSTDIC150

Tgt Ion:112 Resp: 1230240

Ion Ratio Lower Upper

112 100

114 31.1 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 157.017 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

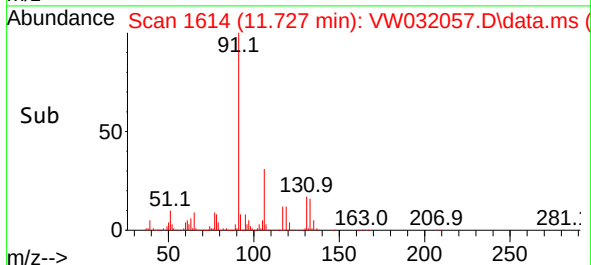
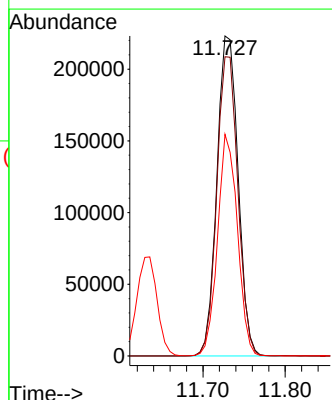
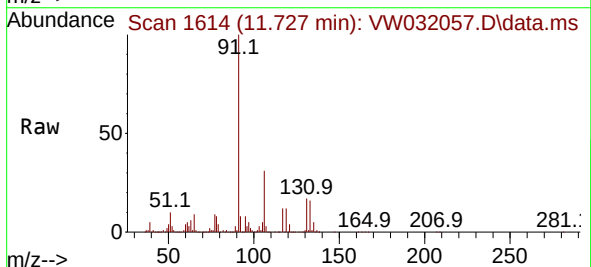
Tgt Ion:131 Resp: 400167

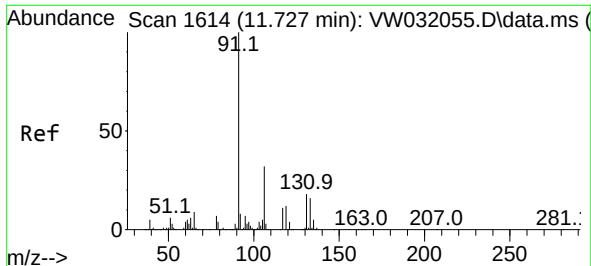
Ion Ratio Lower Upper

131 100

133 93.2 47.3 142.0

119 65.0 34.5 103.5





#67

Ethyl Benzene

Concen: 156.328 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

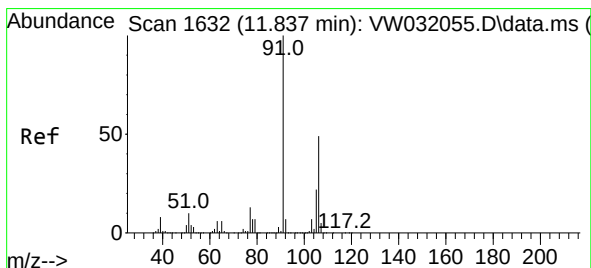
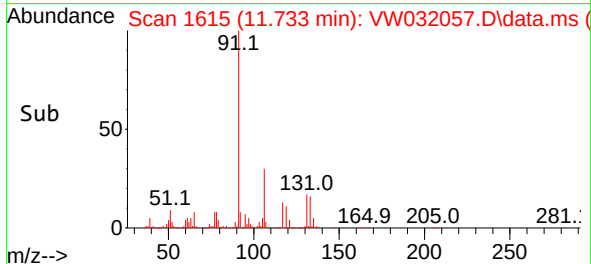
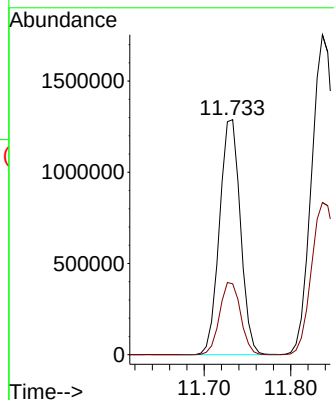
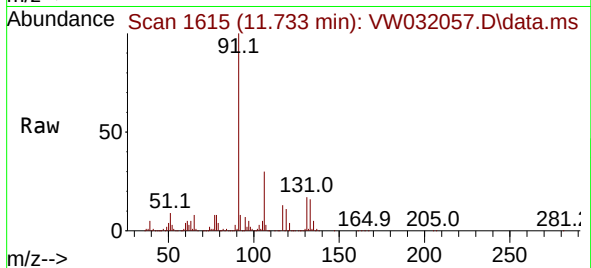
VSTDIC150

Tgt Ion: 91 Resp: 2162983

Ion Ratio Lower Upper

91 100

106 30.1 25.4 38.0



#68

m/p-Xylenes

Concen: 307.801 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032057.D

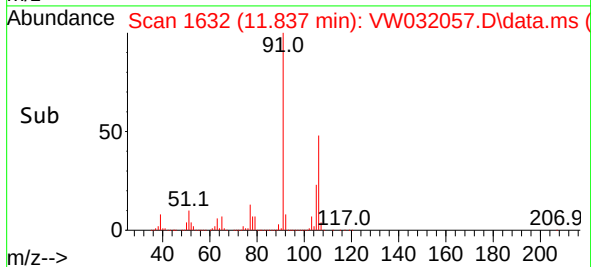
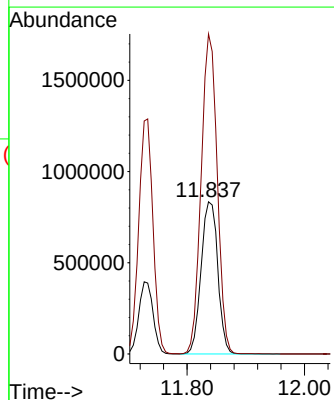
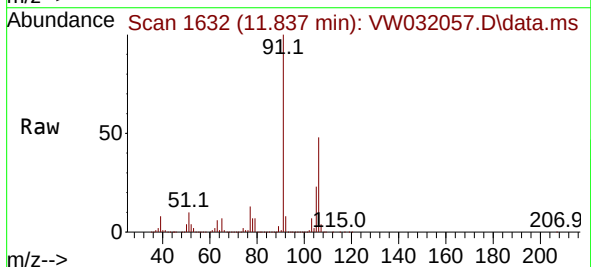
Acq: 11 Aug 2025 11:08

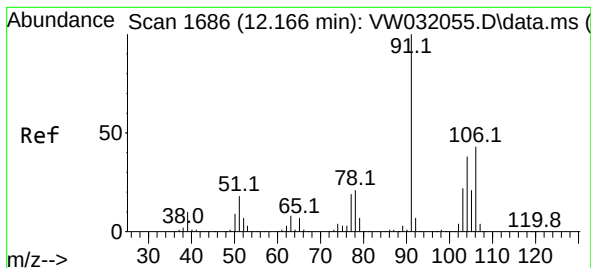
Tgt Ion:106 Resp: 1643338

Ion Ratio Lower Upper

106 100

91 203.0 162.2 243.2

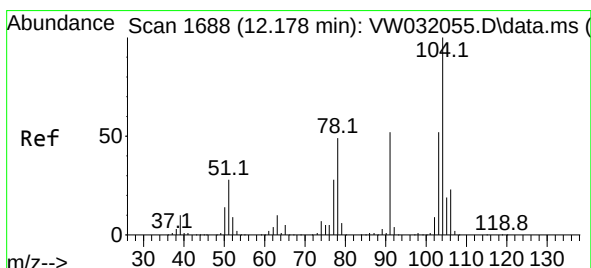
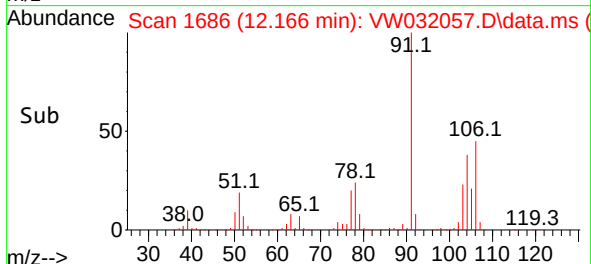
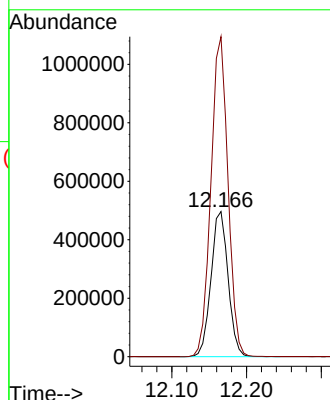
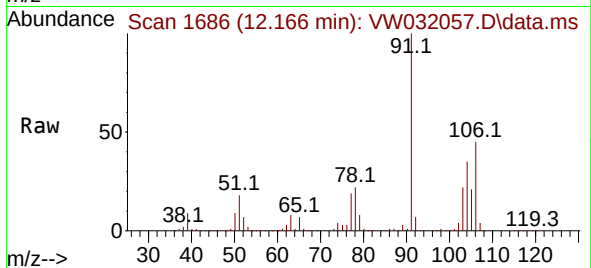




#69
o-Xylene
Concen: 159.450 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

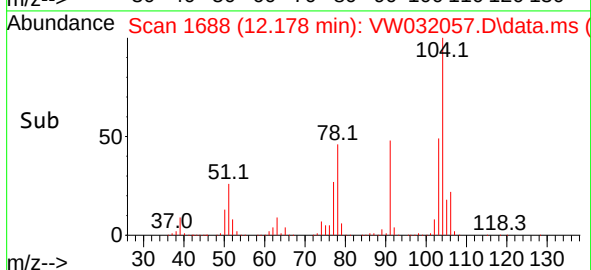
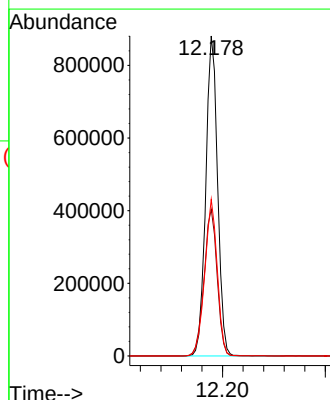
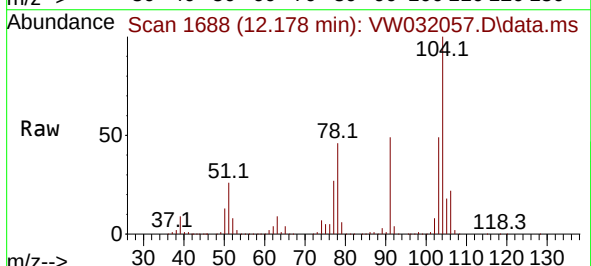
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

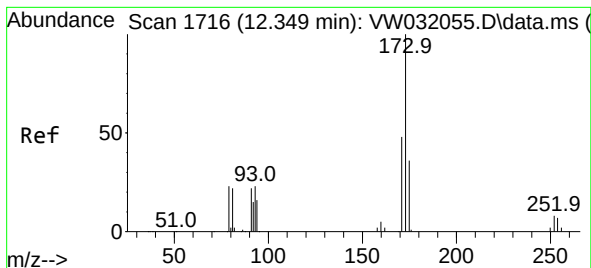
Tgt Ion:106 Resp: 786831
Ion Ratio Lower Upper
106 100
91 220.1 110.8 332.3



#70
Styrene
Concen: 160.482 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:104 Resp: 1406640
Ion Ratio Lower Upper
104 100
78 50.4 41.2 61.8
103 51.7 43.8 65.8





#71

Bromoform

Concen: 163.720 ug/l

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

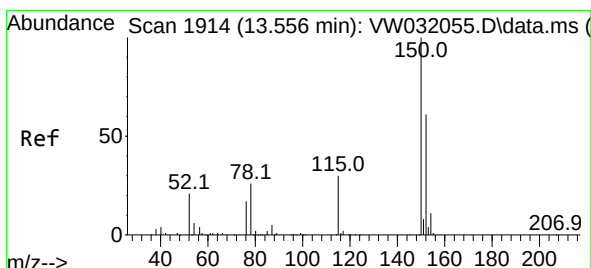
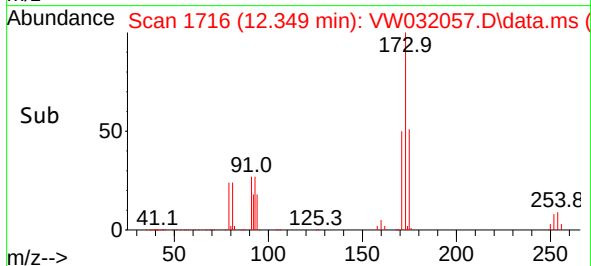
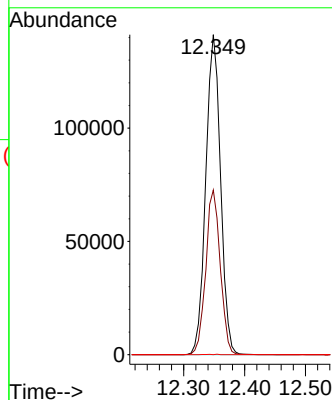
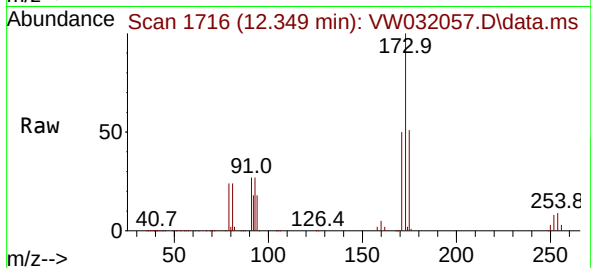
Tgt Ion:173 Resp: 238675

Ion Ratio Lower Upper

173 100

175 50.4 22.9 68.7

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

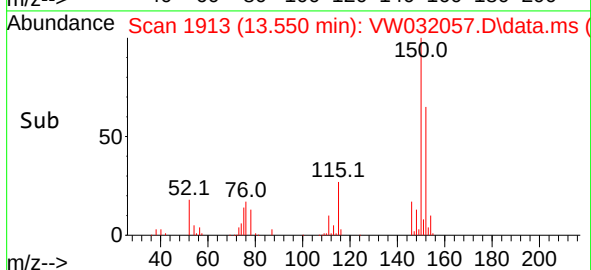
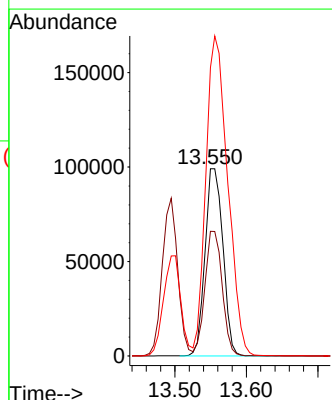
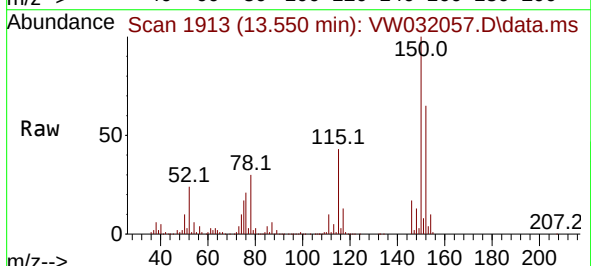
Tgt Ion:152 Resp: 172321

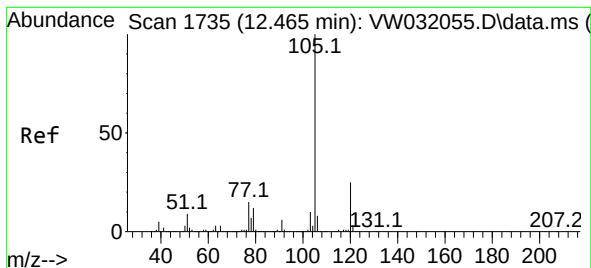
Ion Ratio Lower Upper

152 100

115 64.2 32.6 97.8

150 208.3 0.0 359.4

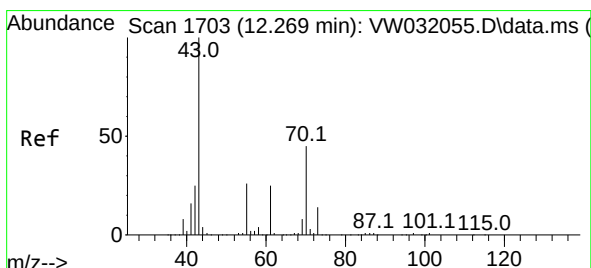
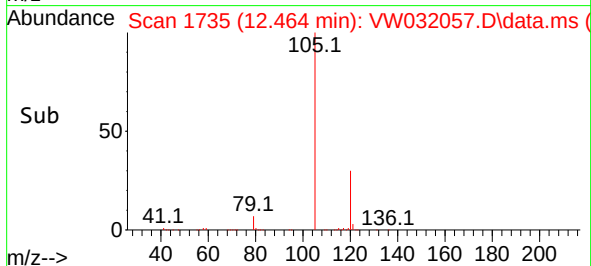
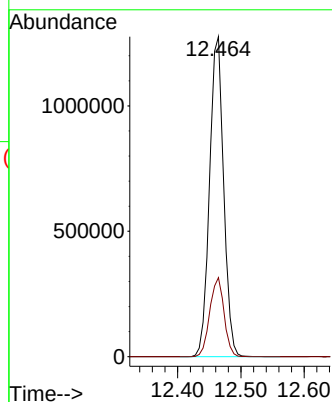
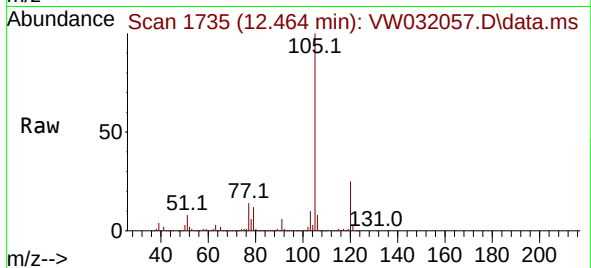




#73
Isopropylbenzene
Concen: 164.188 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

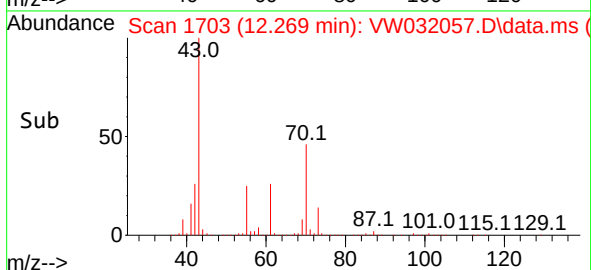
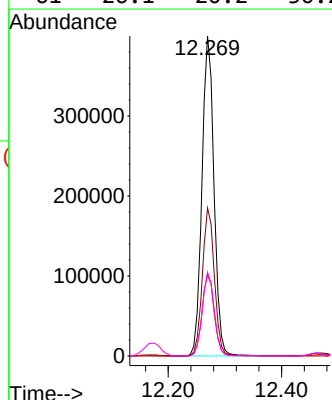
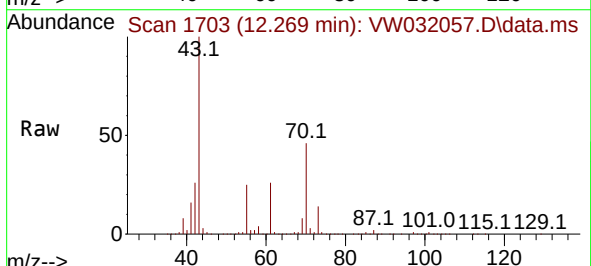
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

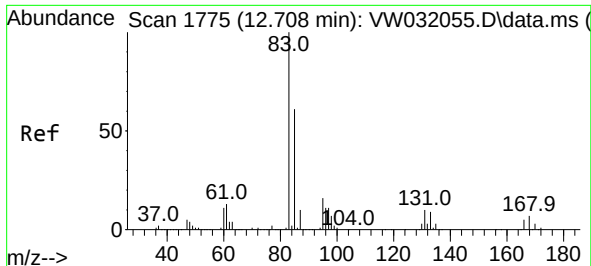
Tgt Ion:105 Resp: 1977280
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.4



#74
N-ethyl acetate
Concen: 170.556 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 43 Resp: 589285
Ion Ratio Lower Upper
43 100
70 46.3 37.0 55.4
55 25.7 21.1 31.7
61 26.1 20.2 30.2

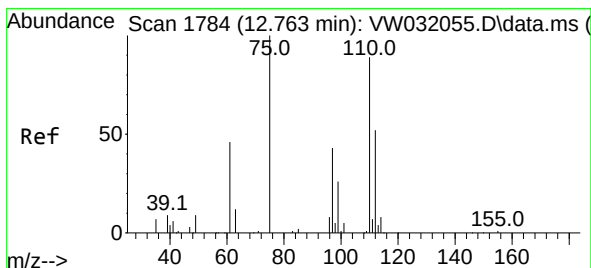
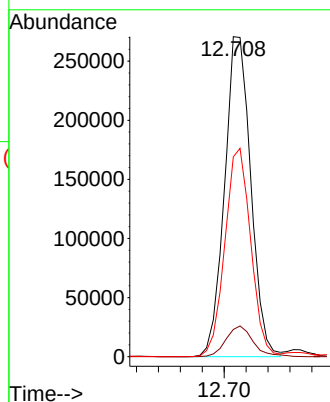
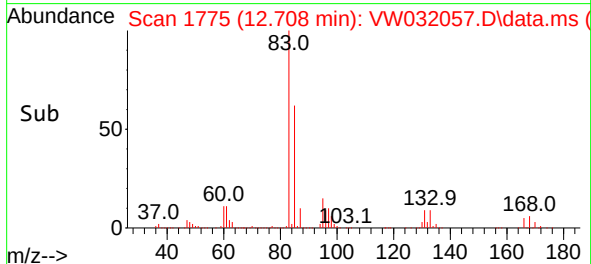
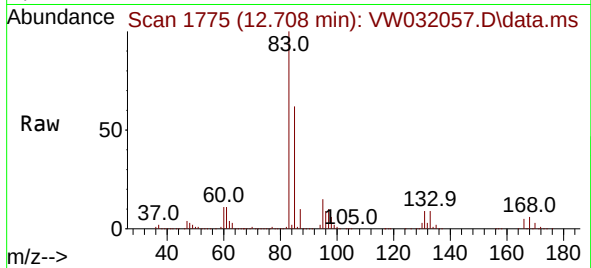




#75
1,1,2,2-Tetrachloroethane
Concen: 157.276 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

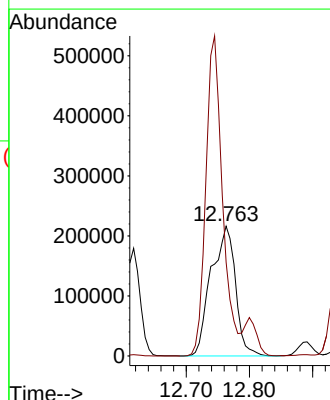
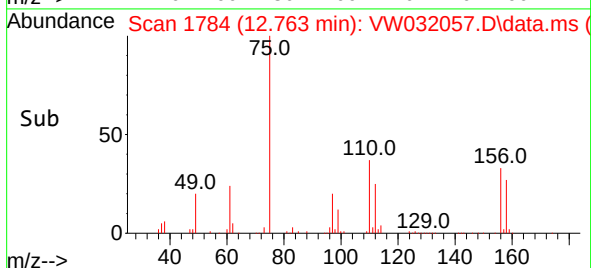
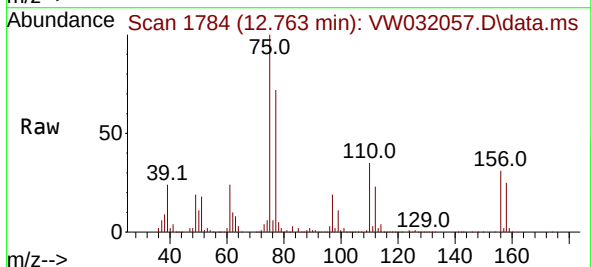
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

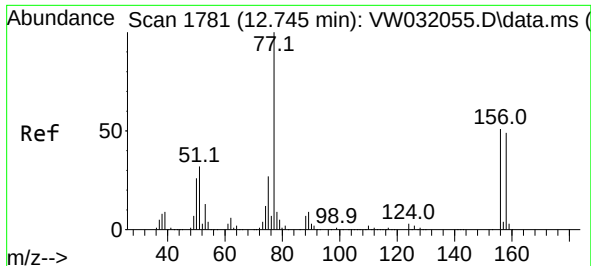
Tgt Ion: 83 Resp: 449708
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.4
85 64.1 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 217.539 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 75 Resp: 576261
Ion Ratio Lower Upper
75 100
77 168.6 123.5 370.5

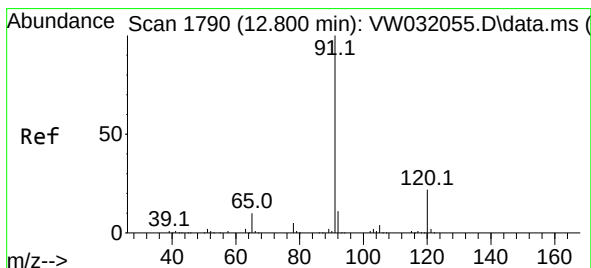
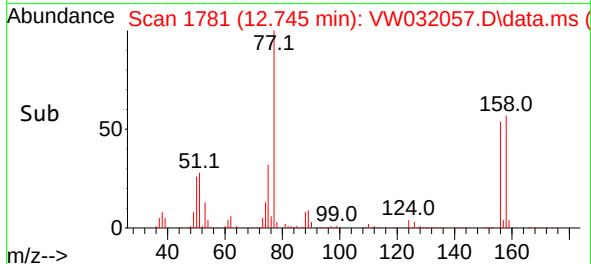
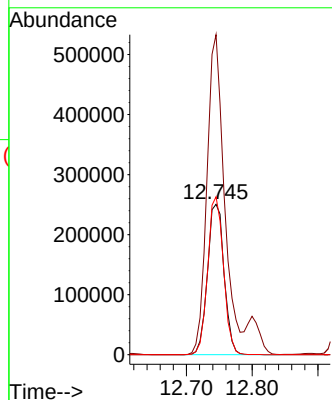
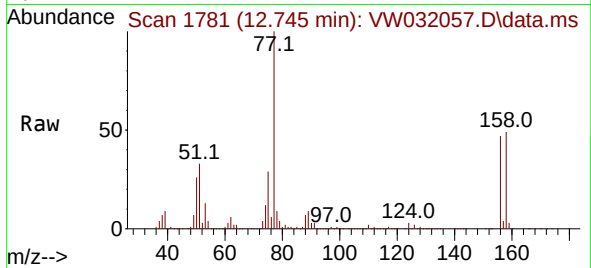




#77
Bromobenzene
Concen: 153.167 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

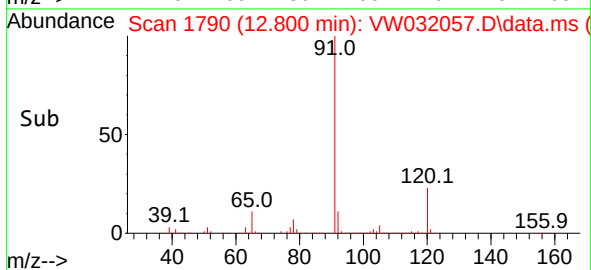
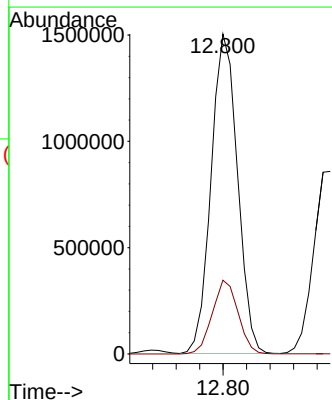
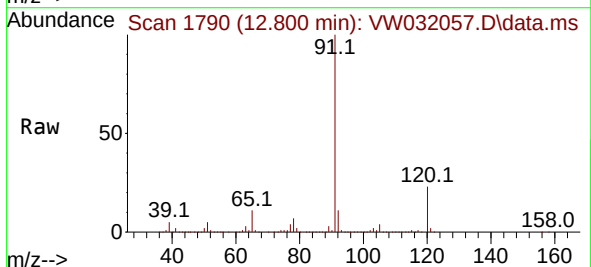
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

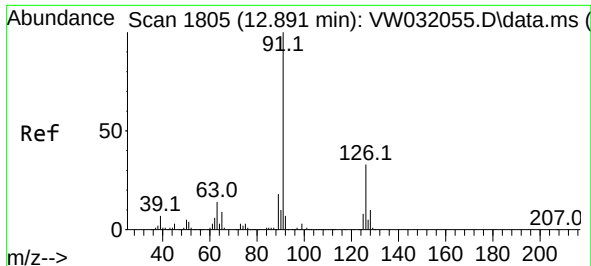
Tgt Ion:156 Resp: 440559
Ion Ratio Lower Upper
156 100
77 220.6 108.7 326.3
158 99.9 48.3 144.9



#78
n-propylbenzene
Concen: 158.253 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 91 Resp: 2346333
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3

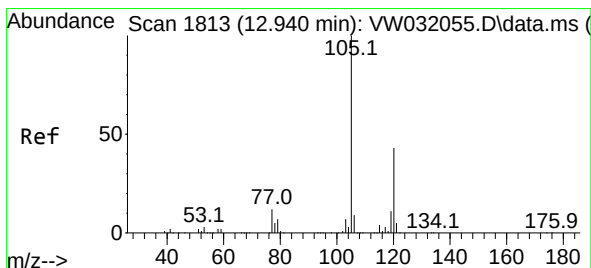
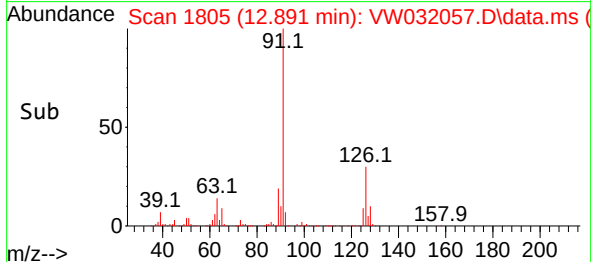
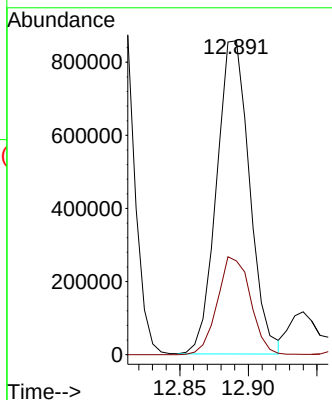
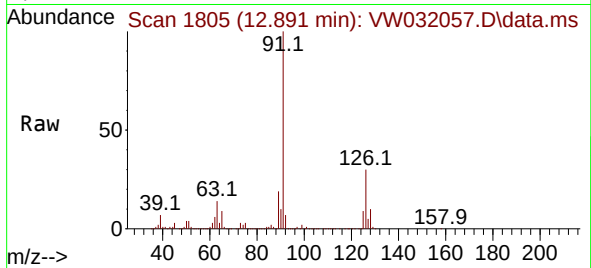




#79
2-Chlorotoluene
Concen: 156.820 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

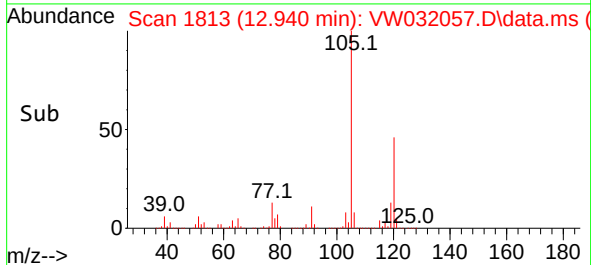
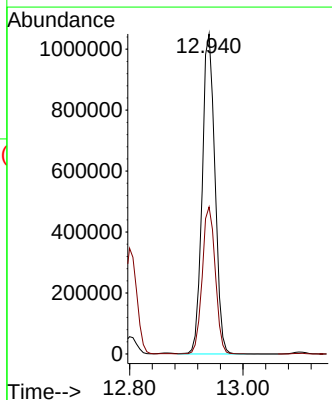
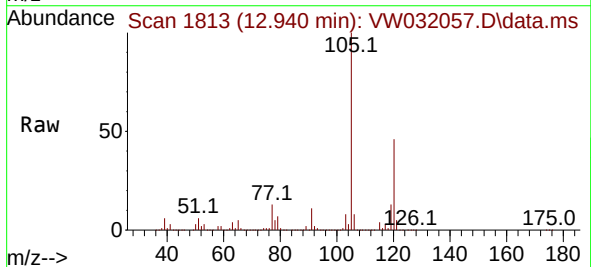
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

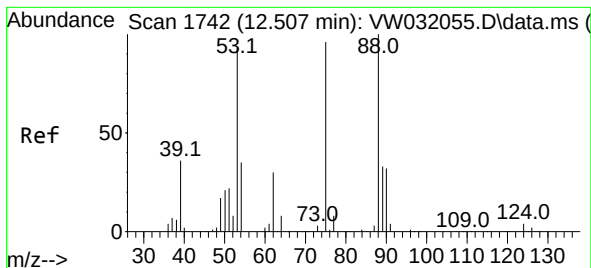
Tgt Ion: 91 Resp: 1434986
Ion Ratio Lower Upper
91 100
126 31.4 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 160.368 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 105 Resp: 1639597
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0

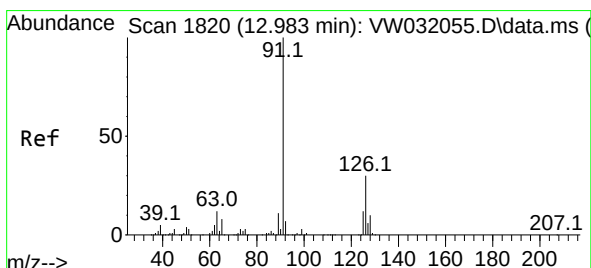
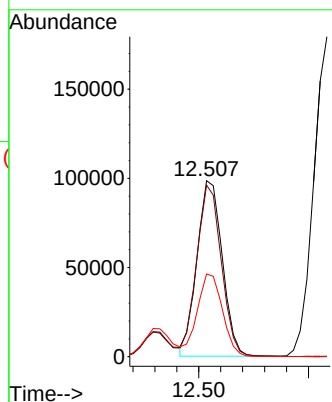
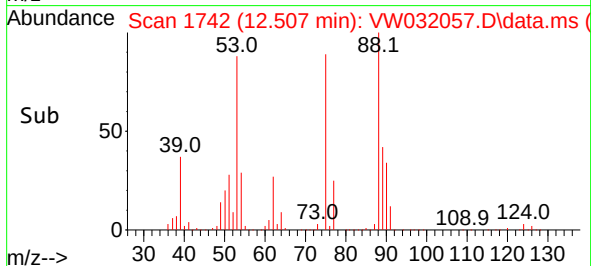
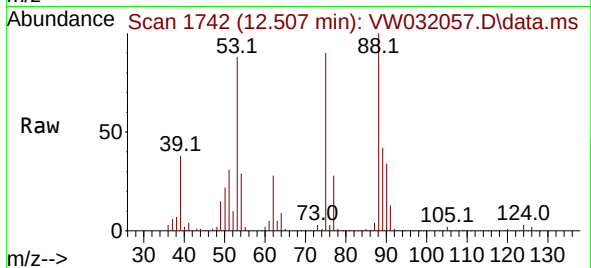




#81
trans-1,4-Dichloro-2-butene
Concen: 174.499 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

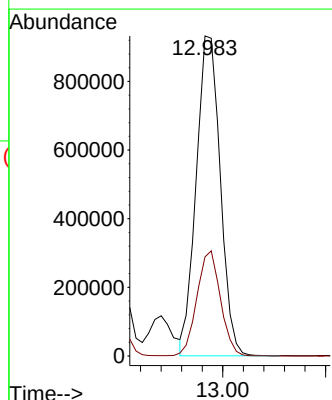
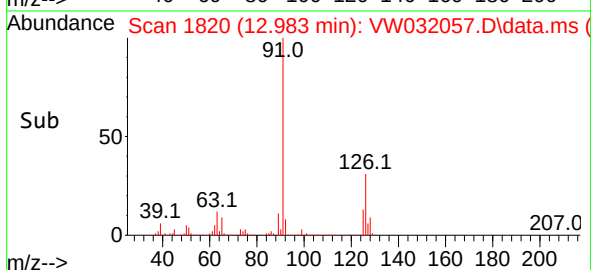
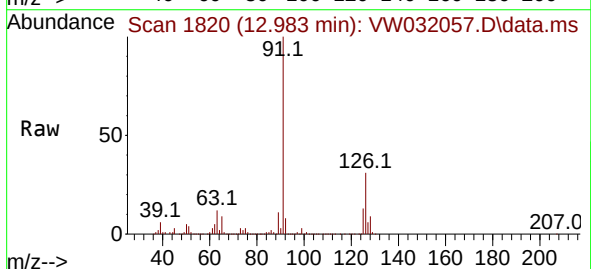
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

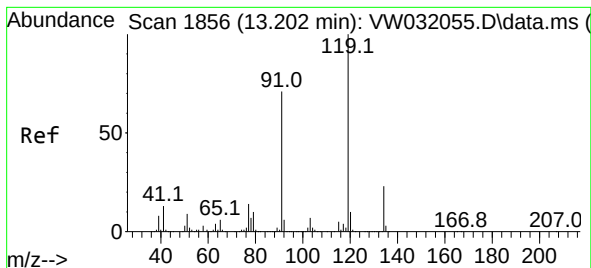
Tgt Ion: 75 Resp: 157641
Ion Ratio Lower Upper
75 100
53 95.9 81.0 121.6
89 47.5 37.3 55.9



#82
4-Chlorotoluene
Concen: 155.863 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 91 Resp: 1515300
Ion Ratio Lower Upper
91 100
126 32.2 15.5 46.5

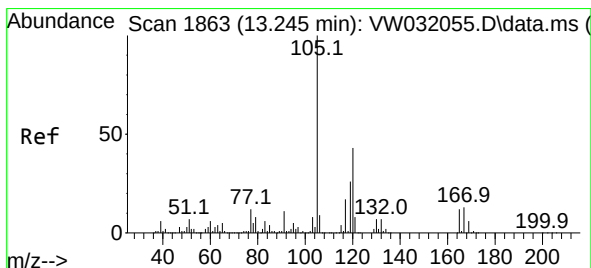
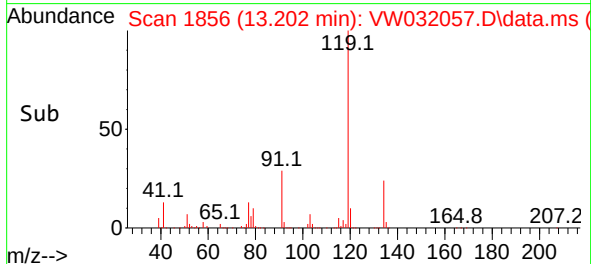
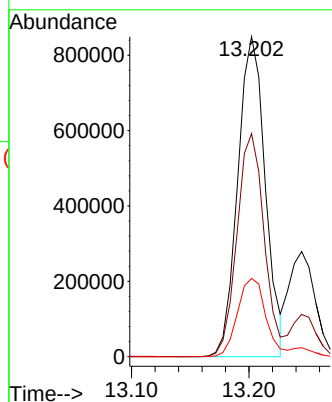
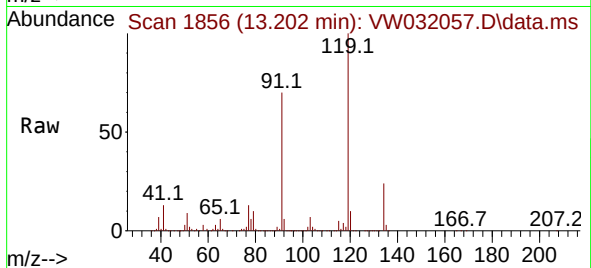




#83
tert-Butylbenzene
Concen: 163.006 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

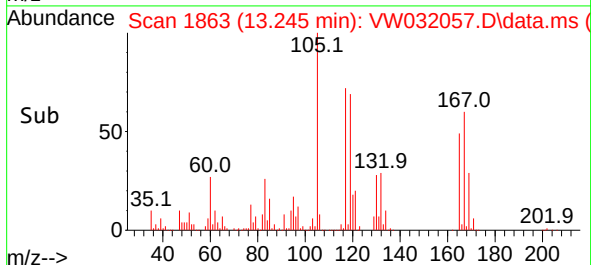
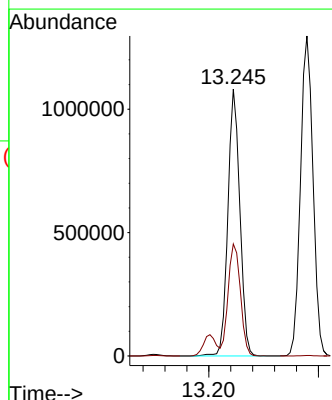
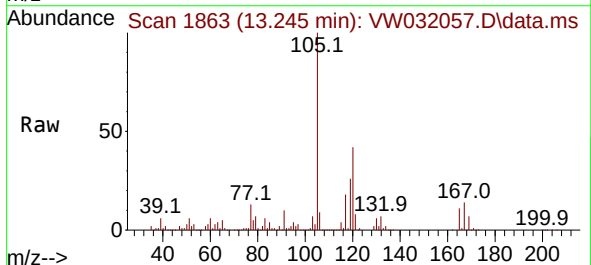
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

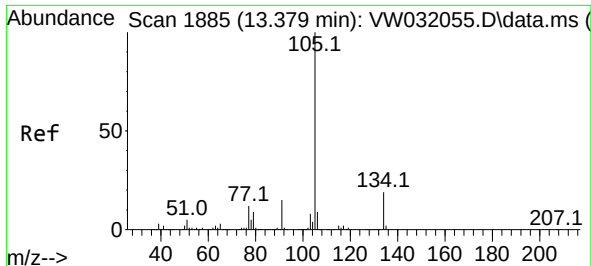
Tgt Ion:119 Resp: 1383127
Ion Ratio Lower Upper
119 100
91 68.5 35.3 105.9
134 25.2 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 158.189 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion:105 Resp: 1646381
Ion Ratio Lower Upper
105 100
120 43.2 21.6 64.8

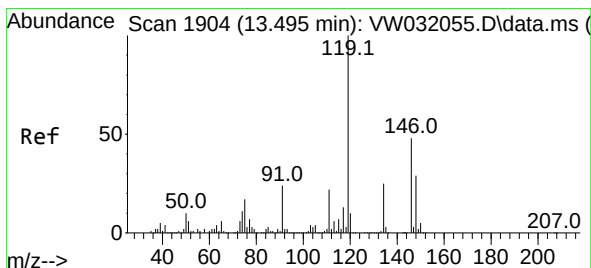
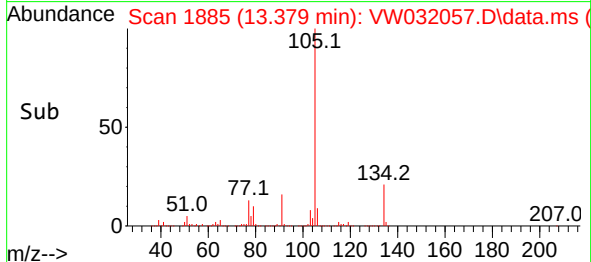
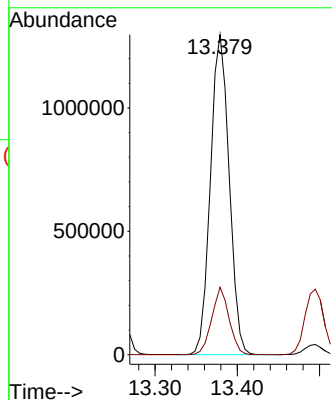
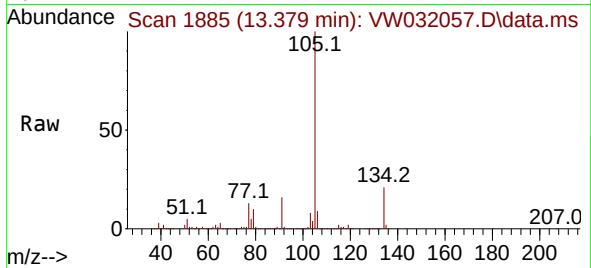




#85
 sec-Butylbenzene
 Concen: 159.625 ug/l
 RT: 13.379 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

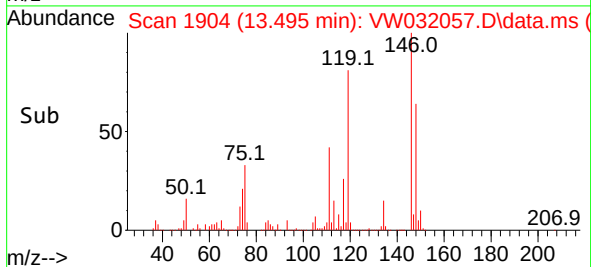
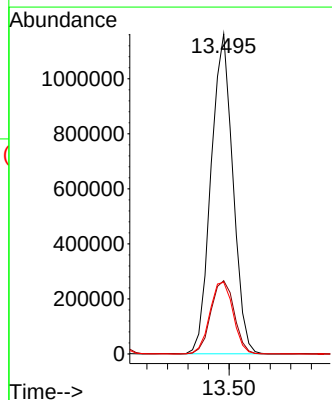
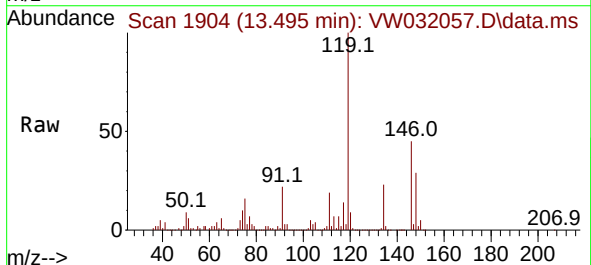
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

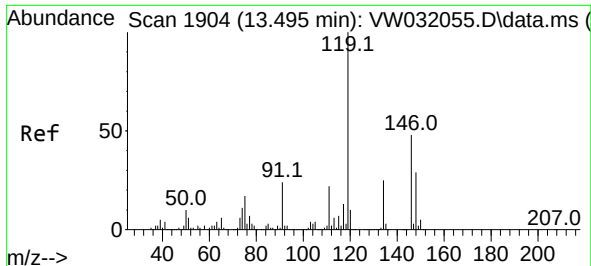
Tgt Ion:105 Resp: 2047763
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 160.127 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032057.D
 Acq: 11 Aug 2025 11:08

Tgt Ion:119 Resp: 1712519
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.4 37.0
 91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 151.629 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

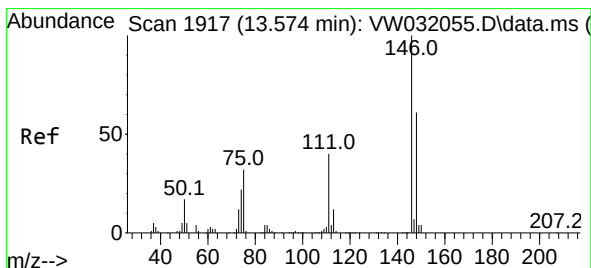
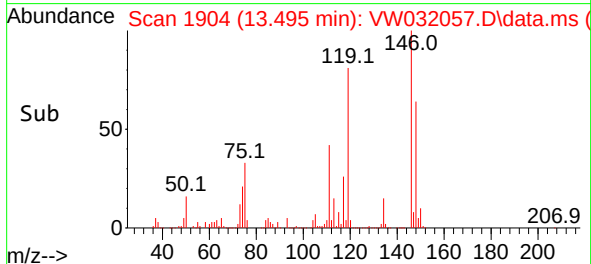
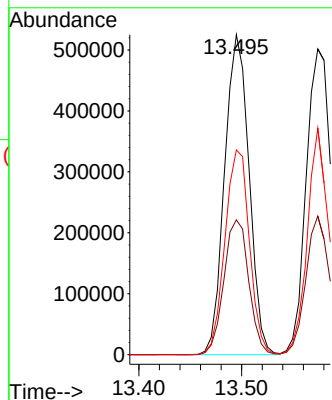
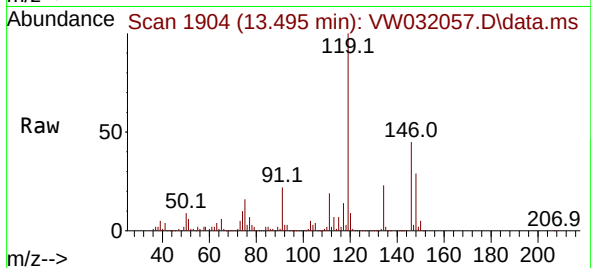
Tgt Ion:146 Resp: 867827

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

148 64.1 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 147.144 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

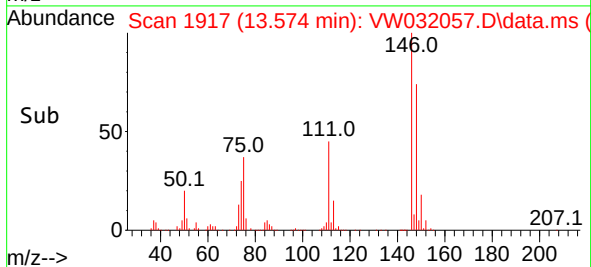
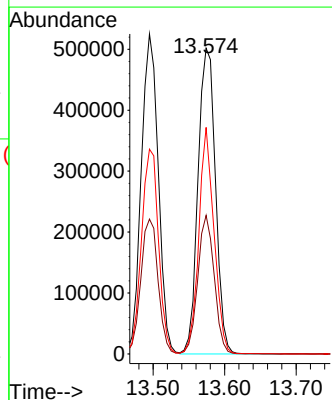
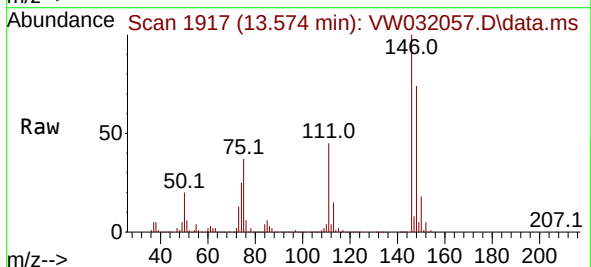
Tgt Ion:146 Resp: 851057

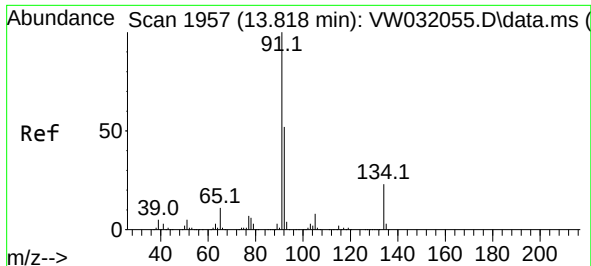
Ion Ratio Lower Upper

146 100

111 42.5 21.6 64.6

148 64.4 32.0 96.2

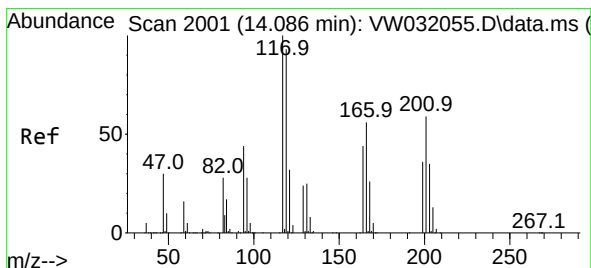
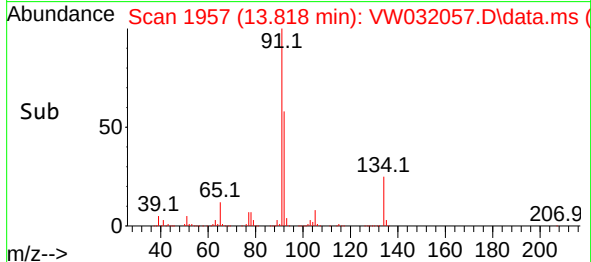
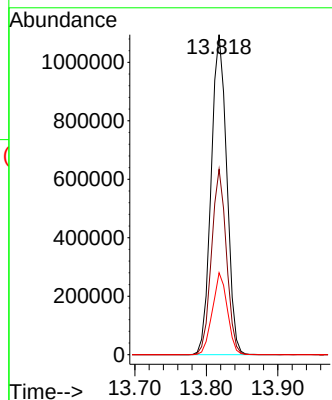
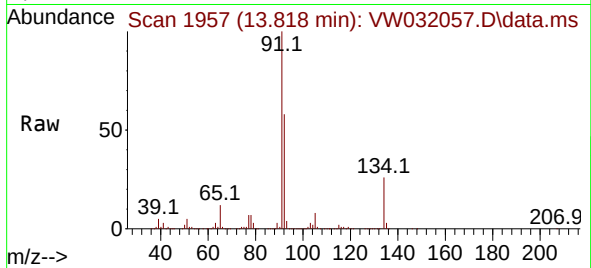




#89
n-Butylbenzene
Concen: 159.527 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

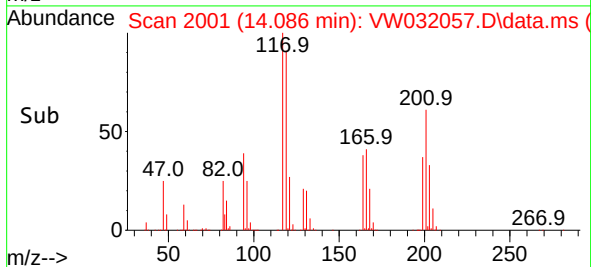
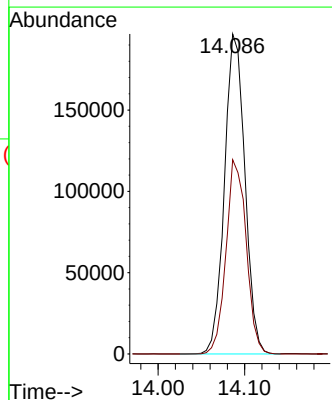
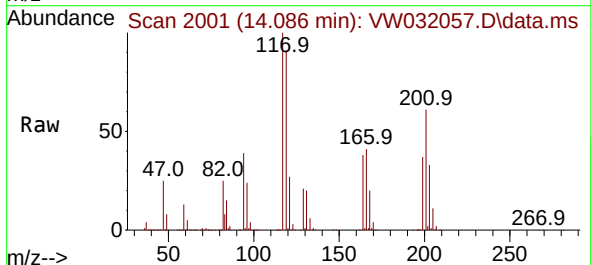
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

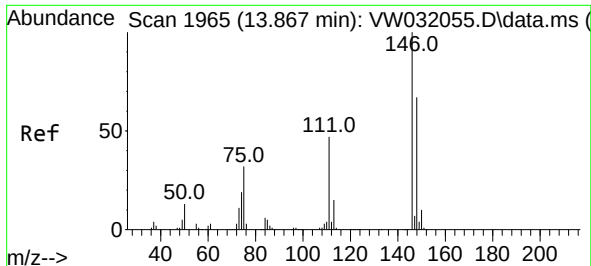
Tgt Ion: 91 Resp: 1657492
Ion Ratio Lower Upper
91 100
92 55.4 26.7 80.1
134 24.5 12.0 36.1



#90
Hexachloroethane
Concen: 164.868 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032057.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 117 Resp: 322461
Ion Ratio Lower Upper
117 100
201 60.0 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 153.968 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

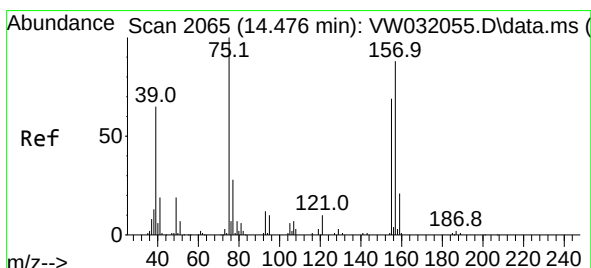
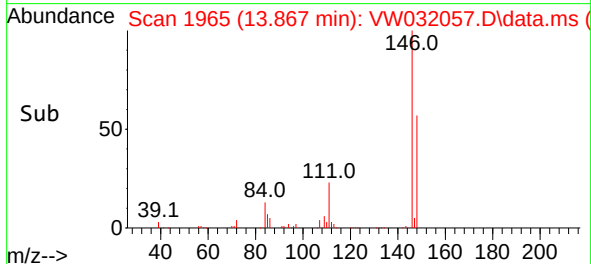
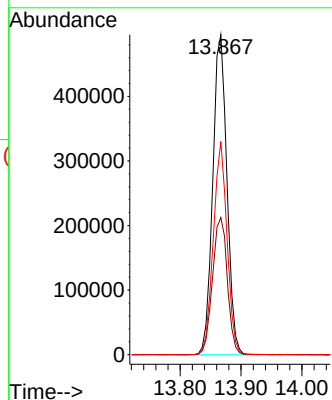
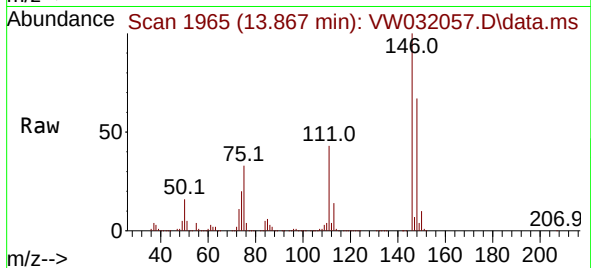
Tgt Ion:146 Resp: 798257

Ion Ratio Lower Upper

146 100

111 44.9 23.1 69.3

148 64.7 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 159.472 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

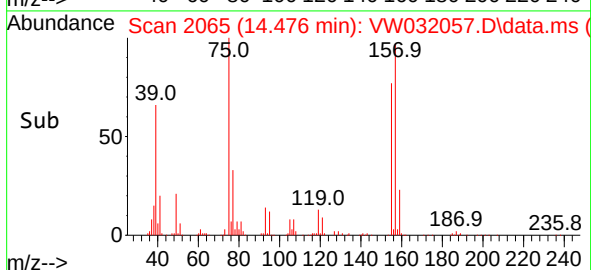
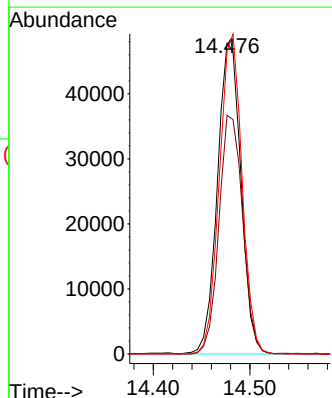
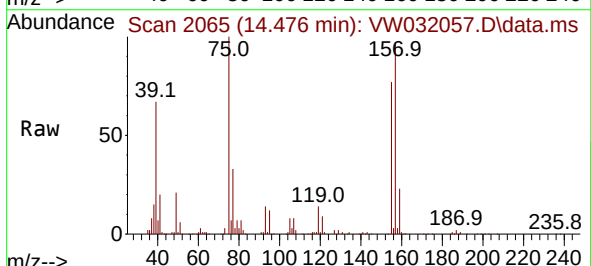
Tgt Ion: 75 Resp: 81063

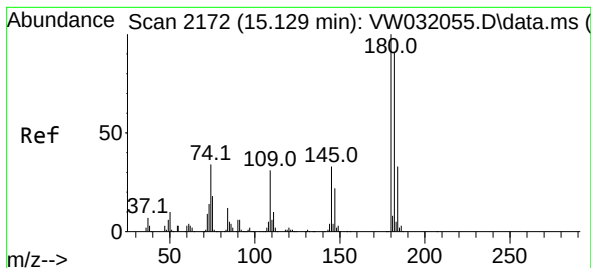
Ion Ratio Lower Upper

75 100

155 77.0 35.2 105.6

157 98.7 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 161.006 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

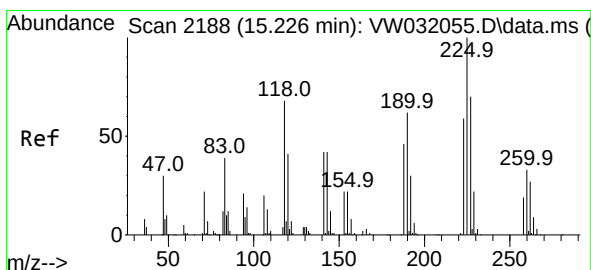
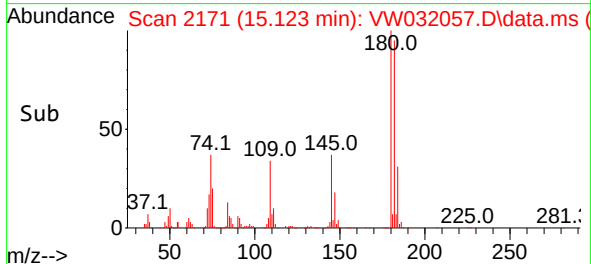
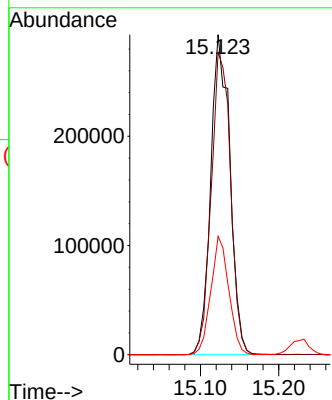
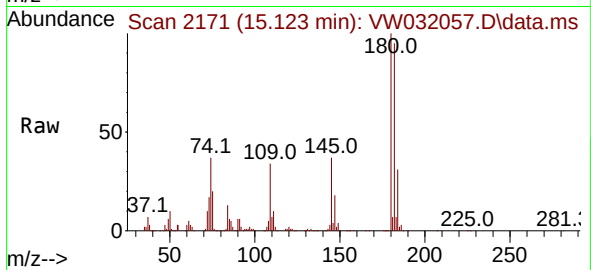
Tgt Ion:180 Resp: 499355

Ion Ratio Lower Upper

180 100

182 95.3 49.0 147.0

145 34.7 17.3 51.9



#94

Hexachlorobutadiene

Concen: 157.938 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

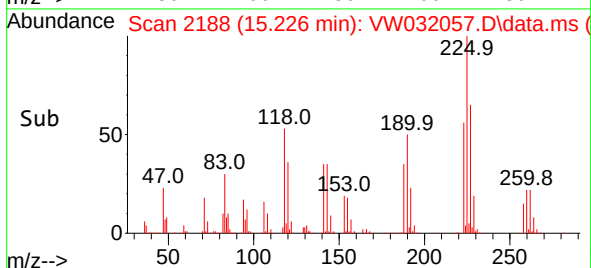
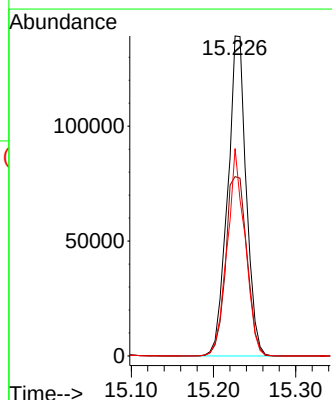
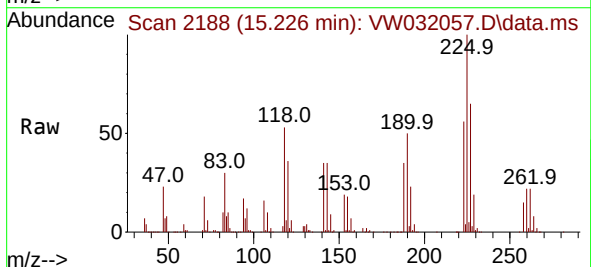
Tgt Ion:225 Resp: 218963

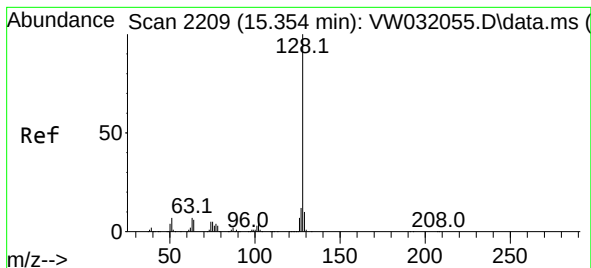
Ion Ratio Lower Upper

225 100

223 64.2 31.8 95.3

227 62.4 33.5 100.5





#95

Naphthalene

Concen: 177.424 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

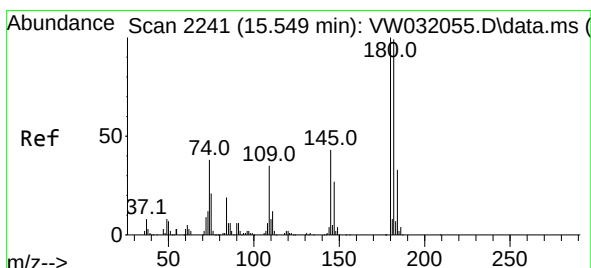
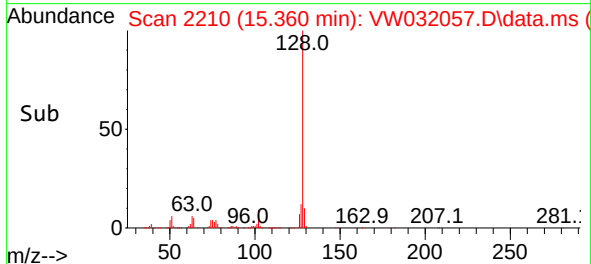
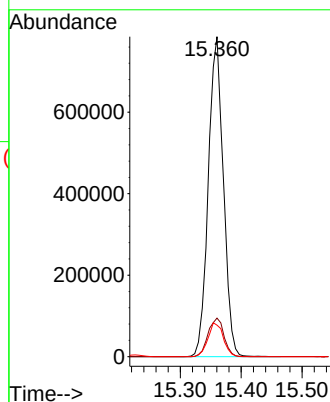
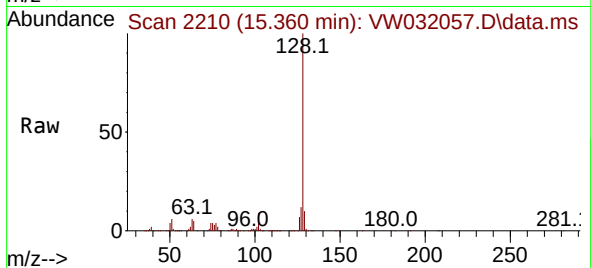
Tgt Ion:128 Resp: 1348344

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.8 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 165.423 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032057.D

Acq: 11 Aug 2025 11:08

Tgt Ion:180 Resp: 466811

Ion Ratio Lower Upper

180 100

182 89.3 46.0 138.0

145 37.2 19.2 57.6

