

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW013125\
 Data File : VW0316712.5.D
 Acq On : 31 Jan 2025 16:32
 Operator : SY/MD
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 03 07:32:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM013125SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Feb 03 07:30:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	385388	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	297337	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	124755	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	20753	3.542	ug/L	0.00
7) Chloroethane-d5	2.899	69	9798	2.366	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.014	65	8788	3.360	ug/L	0.00
21) 2-Butanone-d5	7.105	46	6912	6.216	ug/L	0.01
24) Chloroform-d	7.648	84	26140	2.771	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.312	65	10434	2.361	ug/L	0.01
32) Benzene-d6	8.270	84	59160	3.203	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	14580	2.774	ug/L	0.00
41) Toluene-d8	10.318	98	50787	3.066	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.580	79	4133	2.031	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	4902	7.885	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.684	84	10226	3.081	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	12363	2.937	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.228	85	251	0.049	ug/L	91
3) Chloromethane	2.216	50	15119	2.919	ug/L	99
5) Vinyl chloride	2.375	62	14652	2.184	ug/L	98
6) Bromomethane	2.789	94	8202	2.169	ug/L	87
8) Chloroethane	2.929	64	5915	1.555	ug/L	94
9) Trichlorofluoromethane	3.252	101	12514	1.962	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	2736	0.525	ug/L #	22
12) 1,1-Dichloroethene	4.191	96	197	0.037	ug/L	68
13) Acetone	4.130	43	2671	3.014	ug/L	77
14) Carbon disulfide	4.386	76	42245	2.412	ug/L #	92
15) Methyl Acetate	4.691	43	4242	2.018	ug/L #	100
16) Methylene chloride	4.929	84	6667	1.331	ug/L	88
17) trans-1,2-Dichloroethene	5.417	96	7829	1.392	ug/L	90
18) Methyl tert-butyl Ether	5.423	73	14900	1.845	ug/L #	73
19) 1,1-Dichloroethane	6.215	63	24796	2.434	ug/L #	88
20) cis-1,2-Dichloroethene	7.166	96	13750	2.393	ug/L	84
22) 2-Butanone	7.197	43	9239	6.419	ug/L	76
23) Bromochloromethane	7.514	128	4616	2.132	ug/L	92
25) Chloroform	7.672	83	21527	2.254	ug/L	99
27) 1,2-Dichloroethane	8.404	62	10916	1.927	ug/L	98
29) Cyclohexane	7.953	56	27218	2.652	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	19607	2.443	ug/L	99
31) Carbon tetrachloride	8.063	117	18181	2.514	ug/L	98
33) Benzene	8.325	78	53618	2.533	ug/L	100
34) Trichloroethene	9.087	95	14946	2.582	ug/L	99
35) Methylcyclohexane	9.331	83	28886	2.706	ug/L	97
37) 1,2-Dichloropropane	9.361	63	11962	2.360	ug/L	98
38) Bromodichloromethane	9.642	83	12664	2.121	ug/L	89
39) cis-1,3-Dichloropropene	10.074	75	13298	1.742	ug/L	92
40) 4-Methyl-2-pentanone	10.208	43	17592	6.620	ug/L #	91
42) Toluene	10.385	91	54676	2.476	ug/L	95
44) trans-1,3-Dichloropropene	10.599	75	9638	1.599	ug/L	88

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 Quant Title : SFAM01.0
 QLast Update : Mon Feb 03 07:30:43 2025
 Response via : Initial Calibration

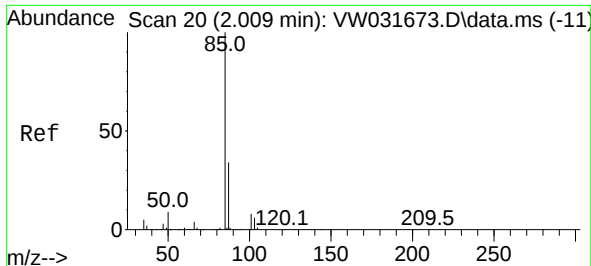
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.788	97	7657	2.403	ug/L	93
46) Tetrachloroethene	10.867	164	10752	2.545	ug/L	91
48) 2-Hexanone	10.971	43	11433	6.706	ug/L	96
49) Dibromochloromethane	11.129	129	6399	1.880	ug/L	95
50) 1,2-Dibromoethane	11.233	107	7336	2.478	ug/L #	96
51) Chlorobenzene	11.653	112	30603	2.321	ug/L	89
52) Ethylbenzene	11.726	91	61071	2.413	ug/L	99
53) m,p-Xylene	11.842	106	22719	2.382	ug/L	80
54) o-Xylene	12.159	106	20216	2.307	ug/L	99
55) Styrene	12.178	104	29895	2.091	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	9498	2.640	ug/L	99
59) Bromoform	12.342	173	3602	2.233	ug/L #	95
60) Isopropylbenzene	12.458	105	60153	2.588	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	7384	3.057	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	45430	2.423	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	41000	2.294	ug/L	97
64) 1,3-Dichlorobenzene	13.501	146	21791	2.479	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	22862	2.649	ug/L	98
67) 1,2-Dichlorobenzene	13.860	146	18460	2.495	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	2356	4.117	ug/L	94
69) 1,3,5-Trichlorobenzene	14.622	180	14751	2.489	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	11157	2.410	ug/L	97
71) Naphthalene	15.360	128	23547	2.676	ug/L	98
72) 1,2,3-Trichlorobenzene	15.543	180	9866	2.517	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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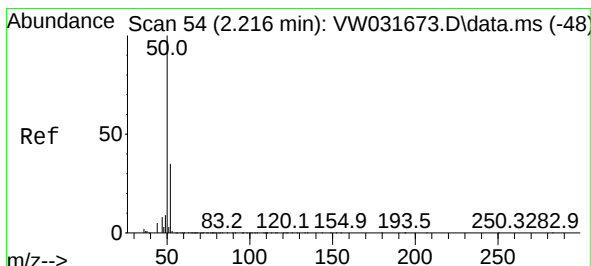
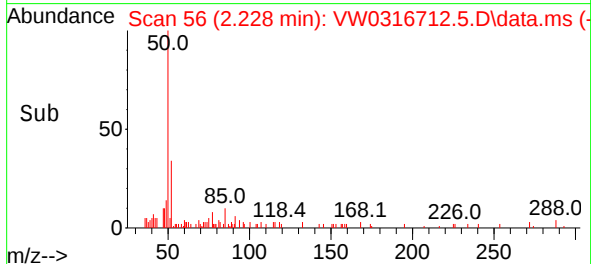
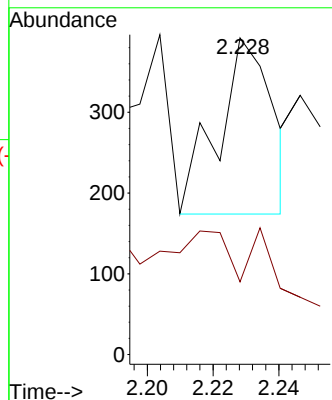
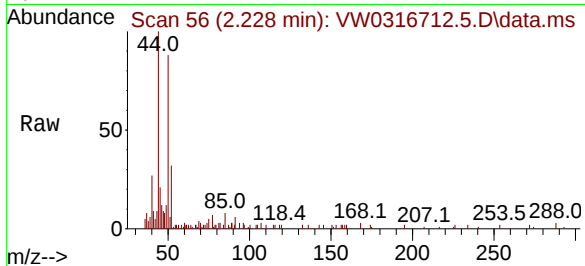




#2
Dichlorodifluoromethane
Concen: 0.049 ug/L
RT: 2.228 min Scan# 50
Delta R.T. 0.219 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

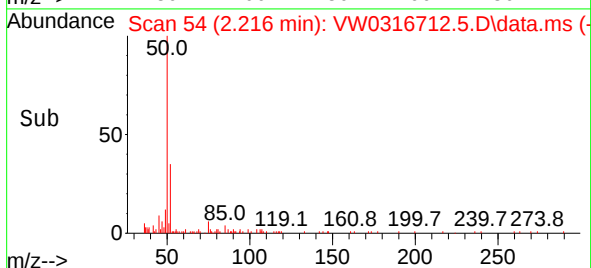
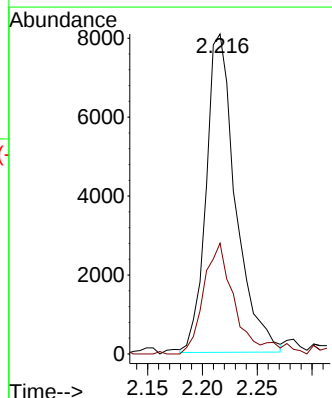
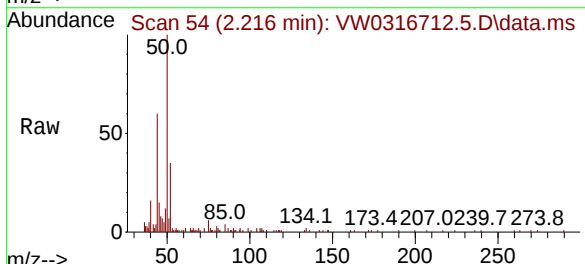
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ClientSampleId :

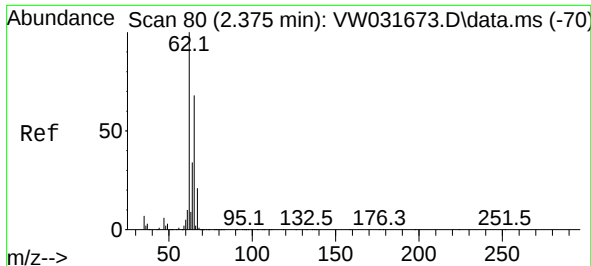
Tgt Ion: 85 Resp: 251
Ion Ratio Lower Upper
85 100
87 19.9 19.6 29.4



#3
Chloromethane
Concen: 2.919 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

Tgt Ion: 50 Resp: 15119
Ion Ratio Lower Upper
50 100
52 34.6 24.6 45.8

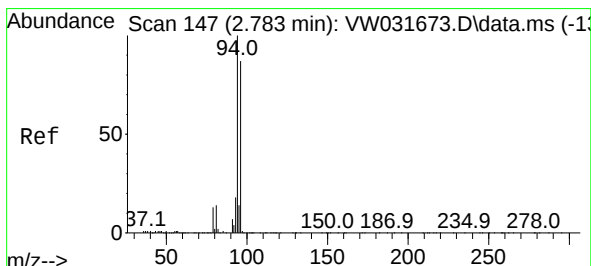
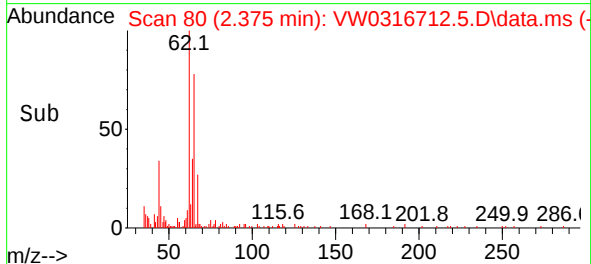
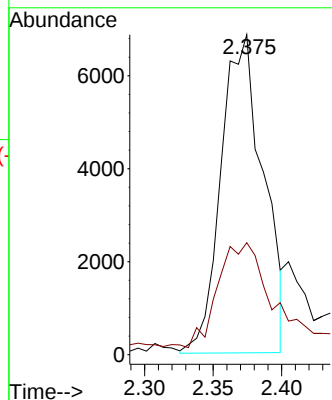
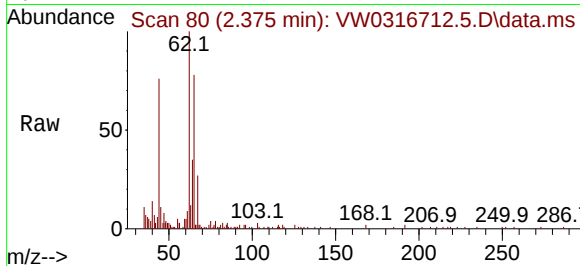




#5
 Vinyl chloride
 Concen: 2.184 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW0316712.5.D
 Acq: 31 Jan 2025 16:32

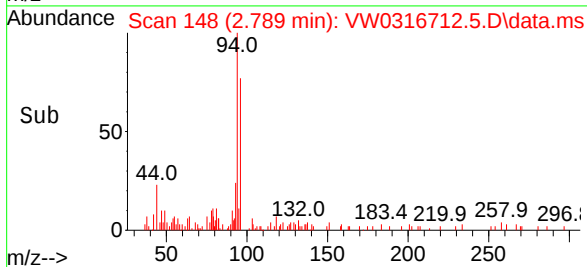
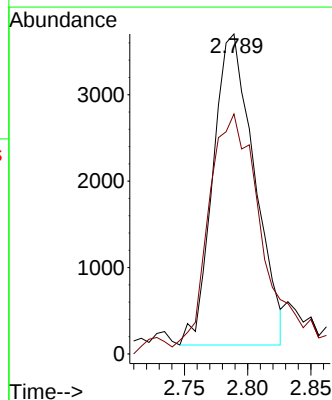
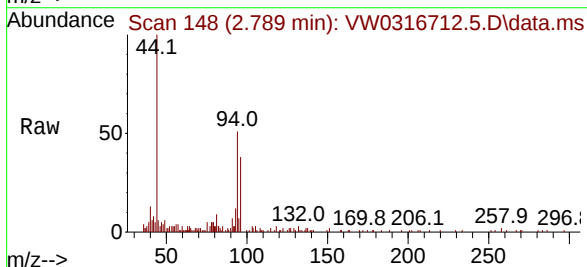
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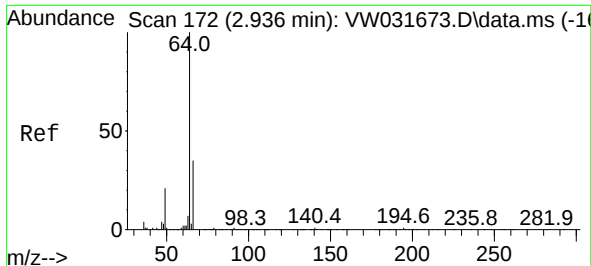
Tgt Ion: 62 Resp: 14652
 Ion Ratio Lower Upper
 62 100
 64 35.0 23.8 44.2



#6
 Bromomethane
 Concen: 2.169 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW0316712.5.D
 Acq: 31 Jan 2025 16:32

Tgt Ion: 94 Resp: 8202
 Ion Ratio Lower Upper
 94 100
 96 75.0 61.2 113.6

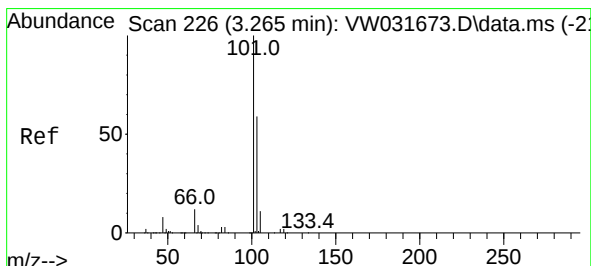
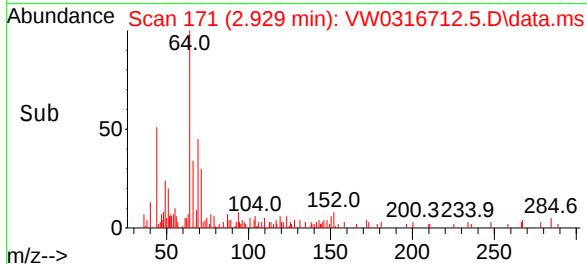
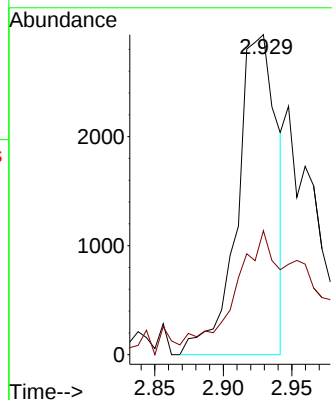
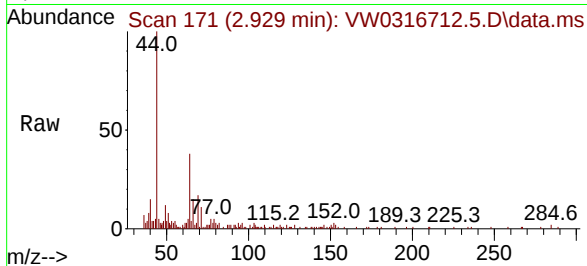




#8
Chloroethane
Concen: 1.555 ug/L
RT: 2.929 min Scan# 171
Delta R.T. -0.006 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

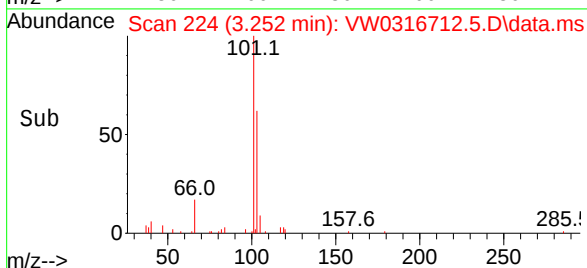
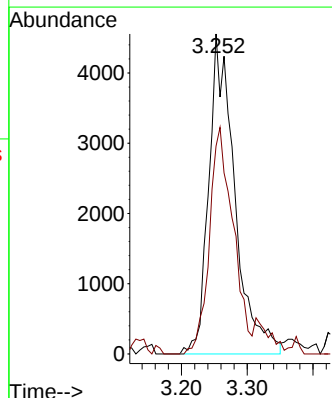
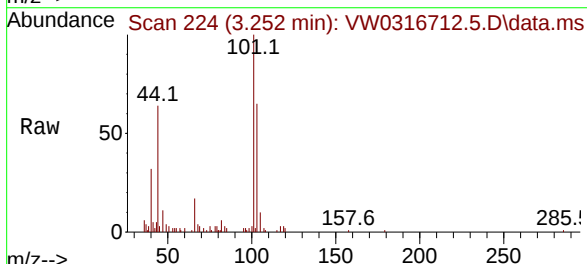
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ClientSampleId :

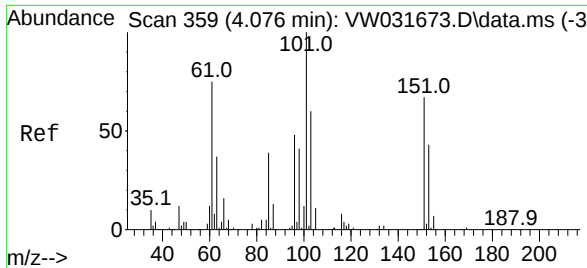
Tgt Ion: 64 Resp: 5915
Ion Ratio Lower Upper
64 100
66 38.8 24.7 45.9



#9
Trichlorofluoromethane
Concen: 1.962 ug/L
RT: 3.252 min Scan# 224
Delta R.T. -0.012 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

Tgt Ion:101 Resp: 12514
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9

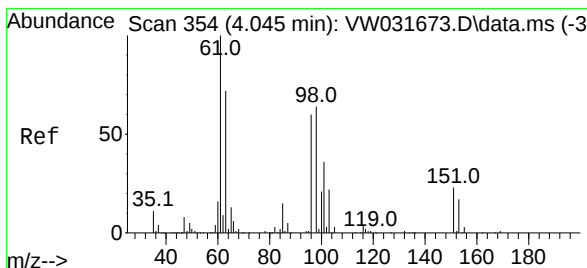
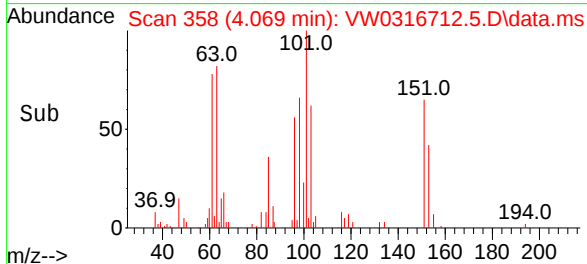
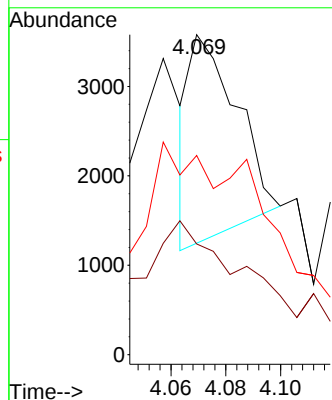
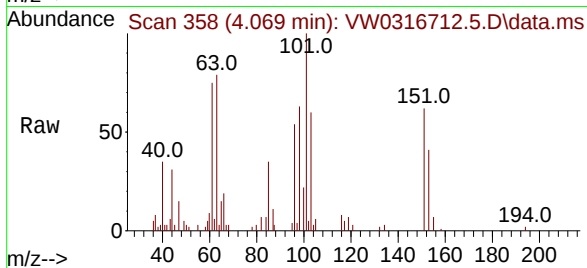




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.525 ug/L
 RT: 4.069 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW0316712.5.D
 Acq: 31 Jan 2025 16:32

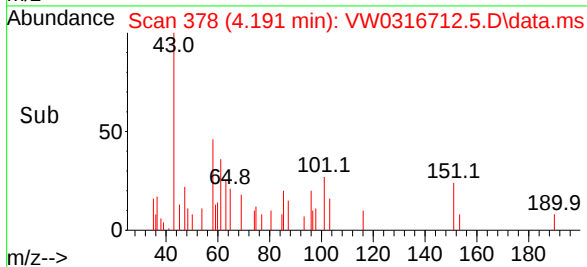
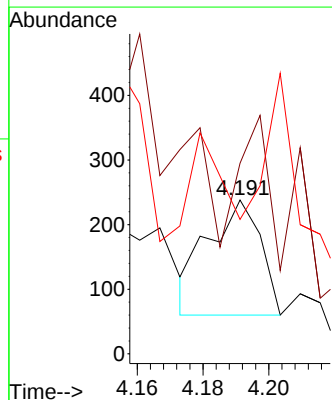
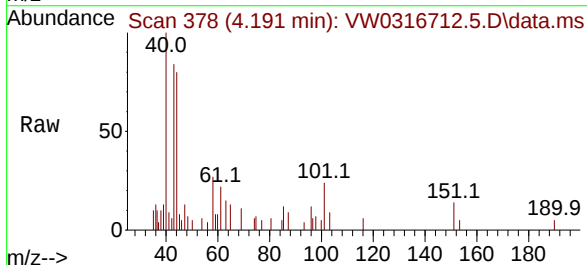
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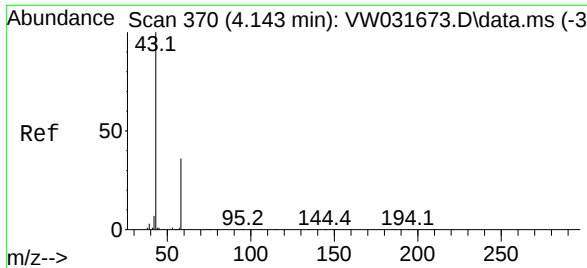
Tgt Ion:101 Resp: 2736
 Ion Ratio Lower Upper
 101 100
 85 88.7 36.3 54.5#
 151 0.0 55.9 83.9#



#12
 1,1-Dichloroethene
 Concen: 0.037 ug/L
 RT: 4.191 min Scan# 378
 Delta R.T. 0.146 min
 Lab File: VW0316712.5.D
 Acq: 31 Jan 2025 16:32

Tgt Ion: 96 Resp: 197
 Ion Ratio Lower Upper
 96 100
 61 123.9 117.5 218.3
 63 87.4 86.5 160.7

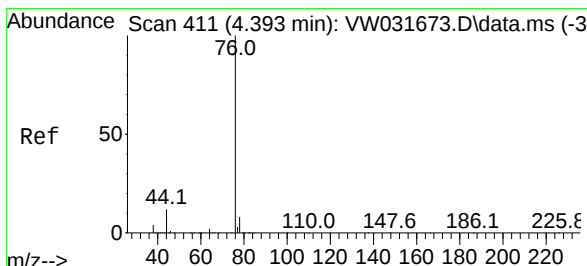
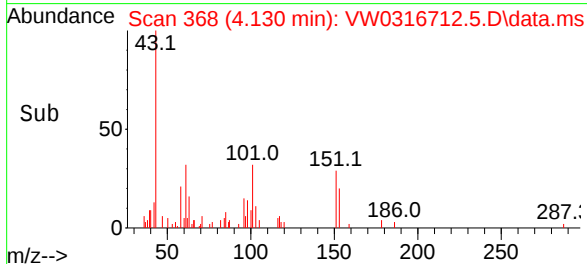
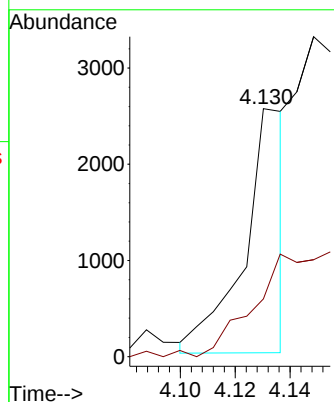
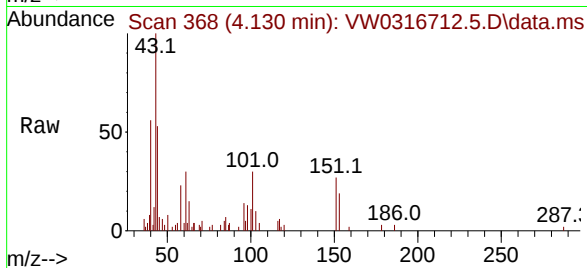




#13
Acetone
Concen: 3.014 ug/L
RT: 4.130 min Scan# 307
Delta R.T. -0.012 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

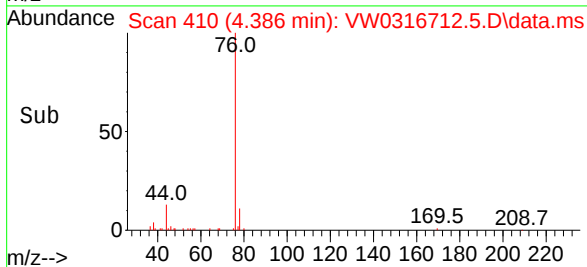
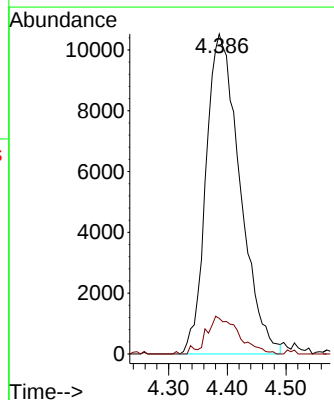
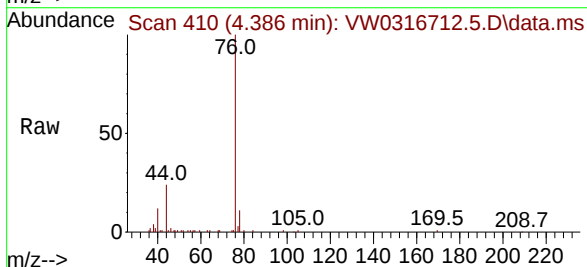
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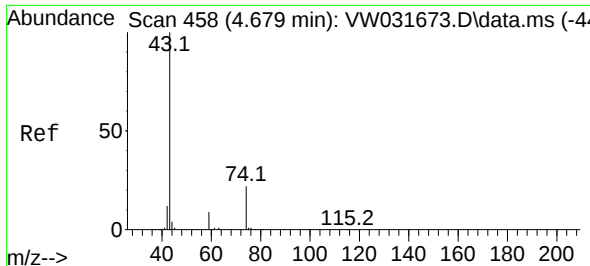
Tgt Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
58 48.5 0.0 70.2



#14
Carbon disulfide
Concen: 2.412 ug/L
RT: 4.386 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

Tgt Ion: 76 Resp: 42245
Ion Ratio Lower Upper
76 100
78 11.1 6.6 9.8#

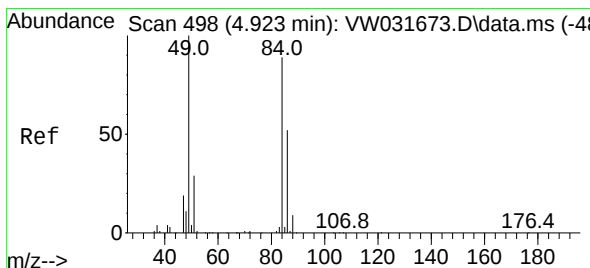
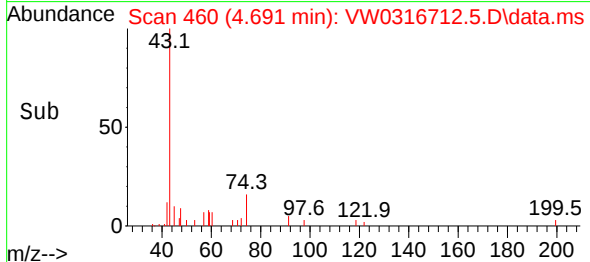
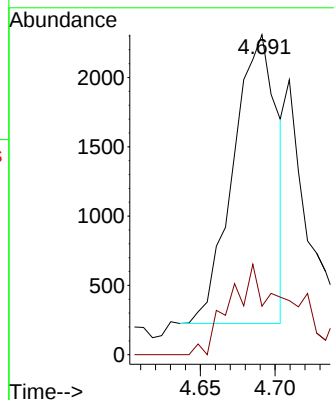
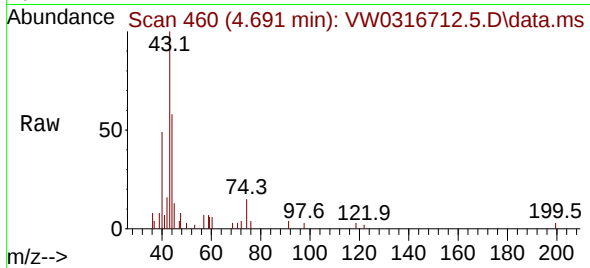




#15
Methyl Acetate
Concen: 2.018 ug/L
RT: 4.691 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

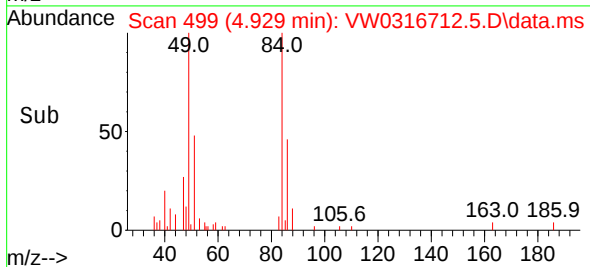
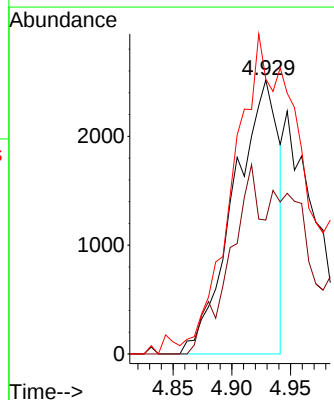
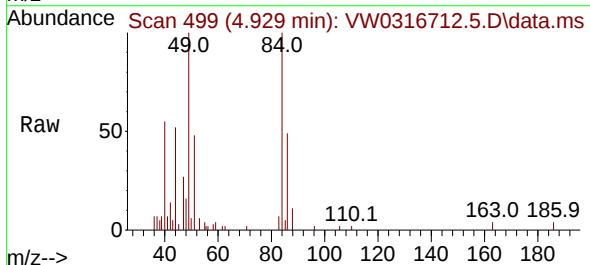
Instrument :
MSVOA_W
ClientSampleId :

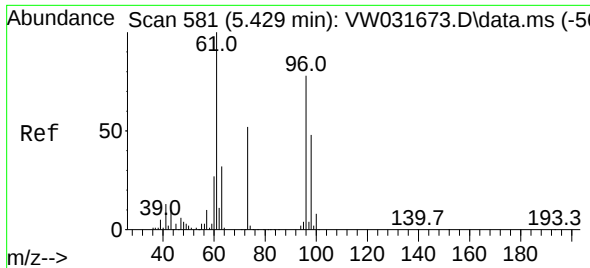
Tgt Ion: 43 Resp: 4242
Ion Ratio Lower Upper
43 100
74 13.7 0.0 0.0#



#16
Methylene chloride
Concen: 1.331 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.006 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

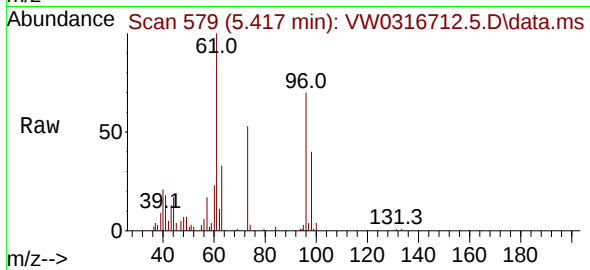
Tgt Ion: 84 Resp: 6667
Ion Ratio Lower Upper
84 100
86 48.9 40.9 76.0
49 100.3 78.9 146.5



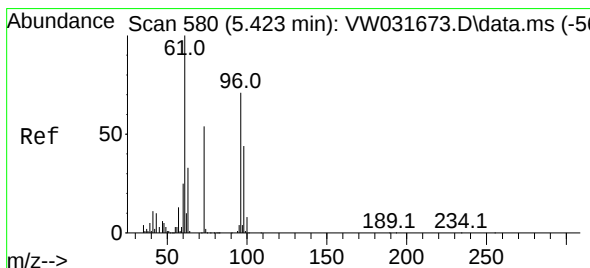
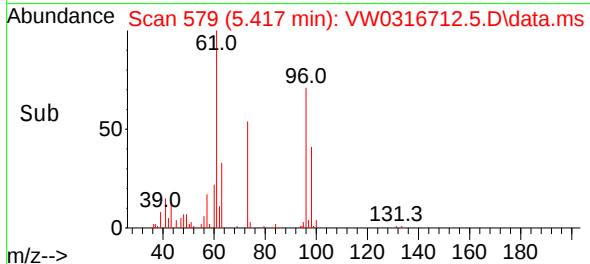
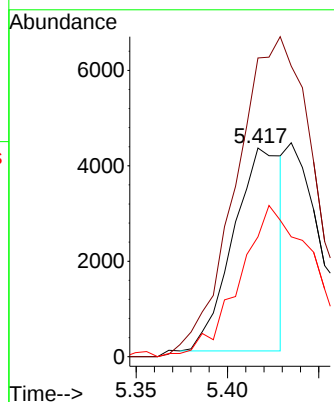


#17
trans-1,2-Dichloroethene
Concen: 1.392 ug/L
RT: 5.417 min Scan# 517
Delta R.T. -0.012 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

Instrument :
MSVOA_W
ClientSampleId :

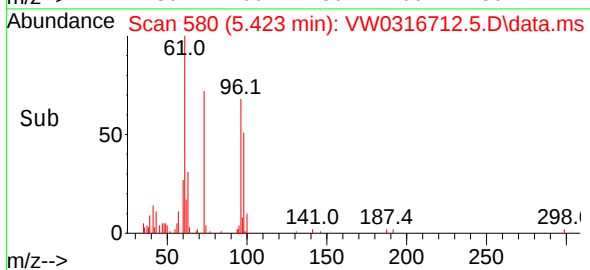
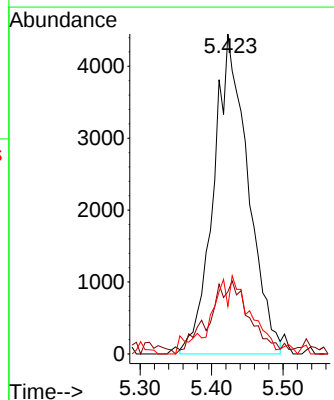
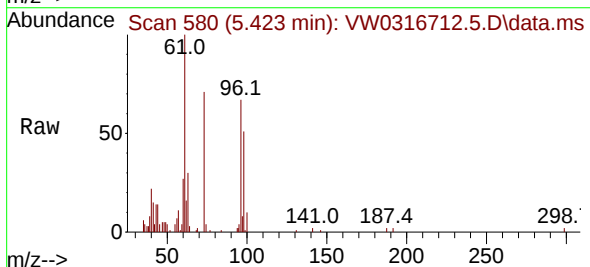


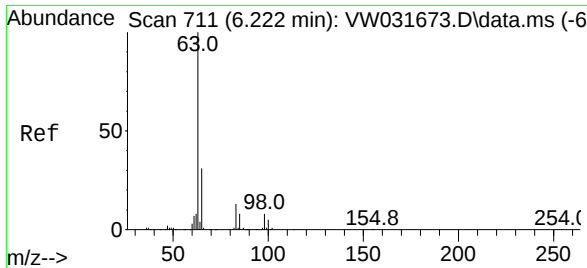
Tgt Ion: 96 Resp: 7829
Ion Ratio Lower Upper
96 100
61 143.2 90.3 167.7
98 57.4 43.0 80.0



#18
Methyl tert-butyl Ether
Concen: 1.845 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

Tgt Ion: 73 Resp: 14900
Ion Ratio Lower Upper
73 100
43 6.5 15.4 23.2#
57 9.8 18.2 27.2#





#19

1,1-Dichloroethane

Concen: 2.434 ug/L

RT: 6.215 min Scan# 711

Delta R.T. -0.006 min MSVOA_W

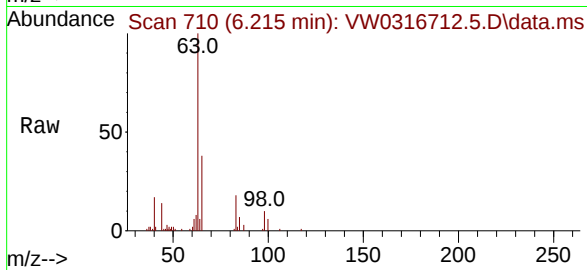
Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

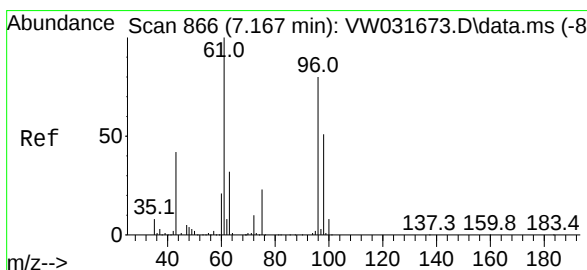
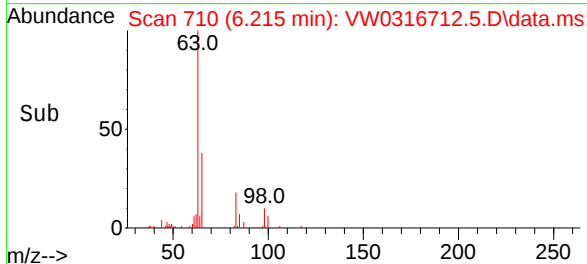
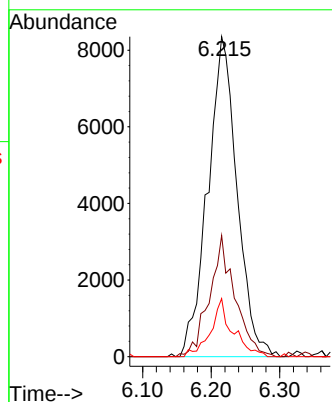
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	63	Resp:	24796
Ion Ratio	Lower	Upper	
63	100		
65	37.8	21.6	40.2
83	18.1	9.4	17.4



#20

cis-1,2-Dichloroethene

Concen: 2.393 ug/L

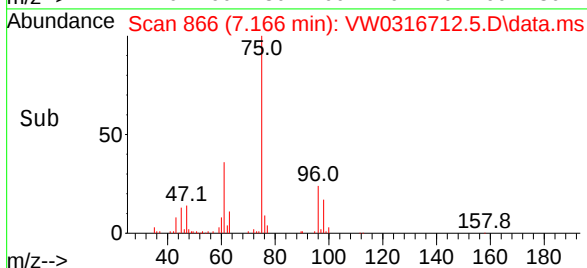
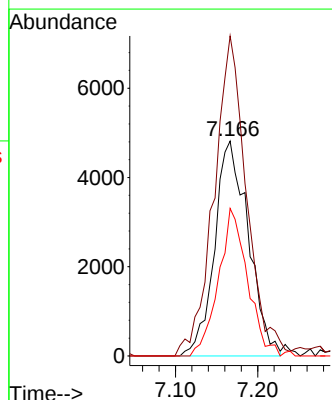
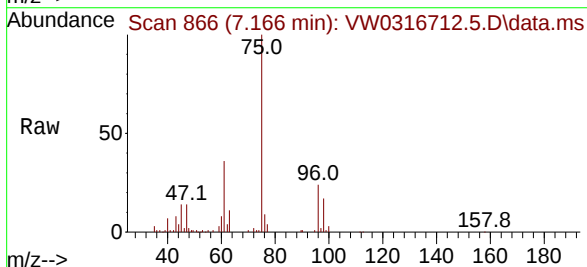
RT: 7.166 min Scan# 866

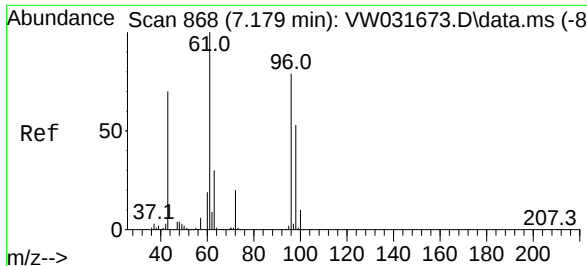
Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Tgt Ion:	96	Resp:	13750
Ion Ratio	Lower	Upper	
96	100		
61	148.9	87.4	162.4
98	68.7	44.4	82.4





#22

2-Butanone

Concen: 6.419 ug/L

RT: 7.197 min Scan# 81

Delta R.T. 0.018 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

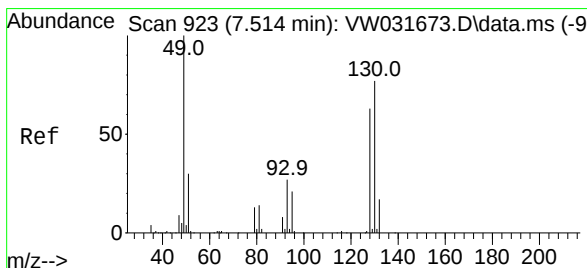
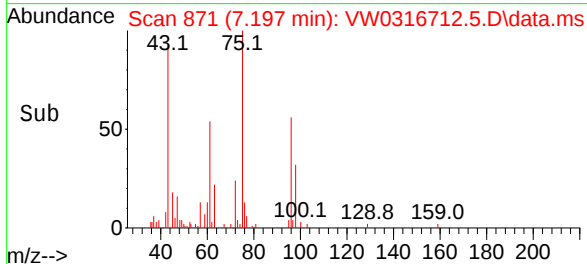
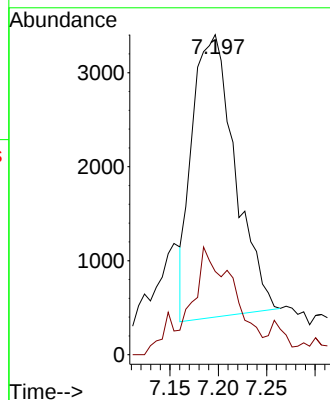
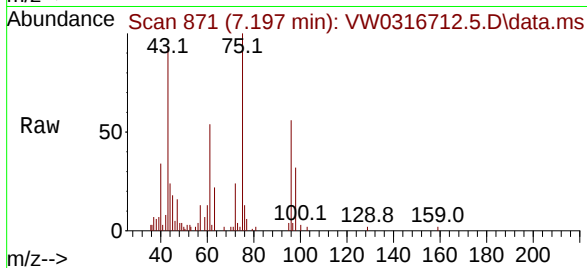
ClientSampleId :

Tgt Ion: 43 Resp: 9239

Ion Ratio Lower Upper

43 100

72 14.9 13.8 41.4



#23

Bromochloromethane

Concen: 2.132 ug/L

RT: 7.514 min Scan# 923

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Tgt Ion: 128 Resp: 4616

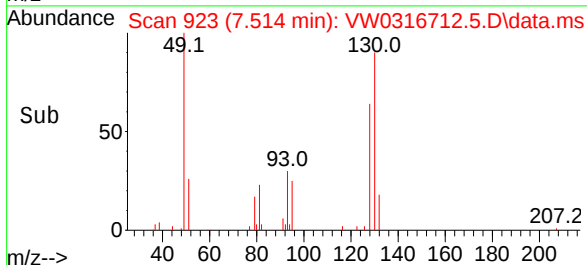
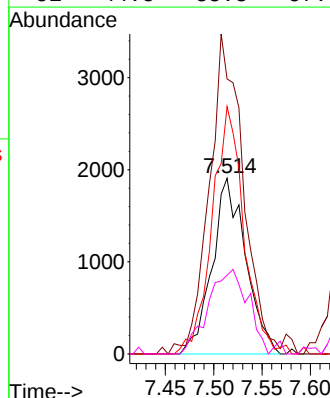
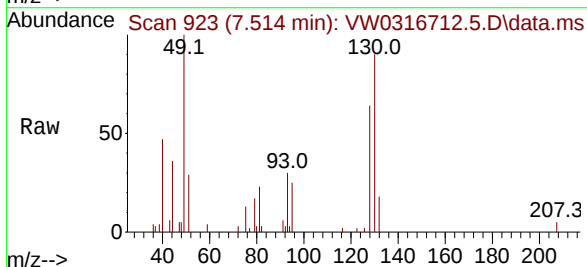
Ion Ratio Lower Upper

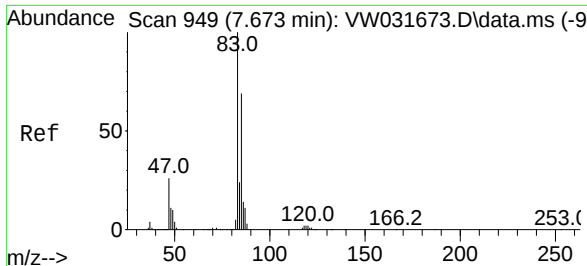
128 100

49 156.6 112.2 208.4

130 140.8 85.9 159.5

51 44.8 38.3 57.5





#25

Chloroform

Concen: 2.254 ug/L

RT: 7.672 min Scan# 949

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

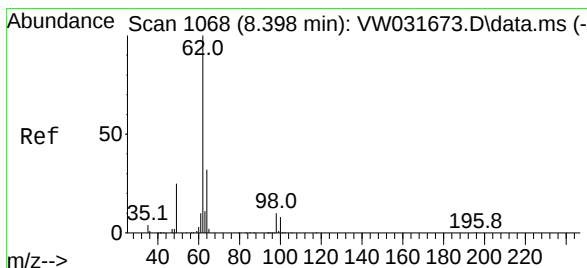
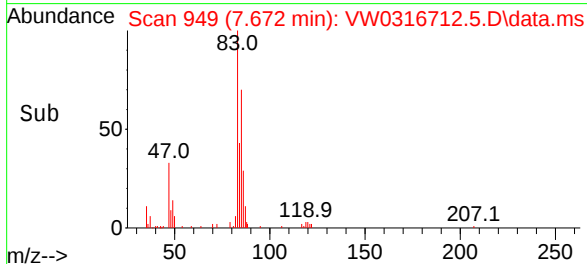
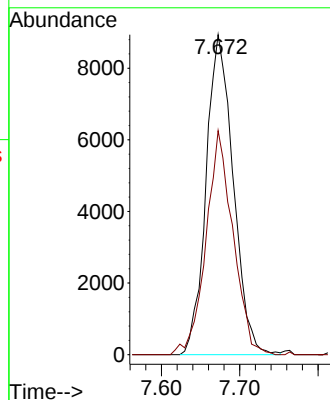
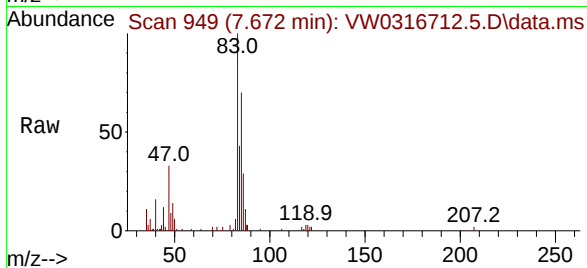
ClientSampleId :

Tgt Ion: 83 Resp: 21527

Ion Ratio Lower Upper

83 100

85 70.0 48.4 89.8



#27

1,2-Dichloroethane

Concen: 1.927 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

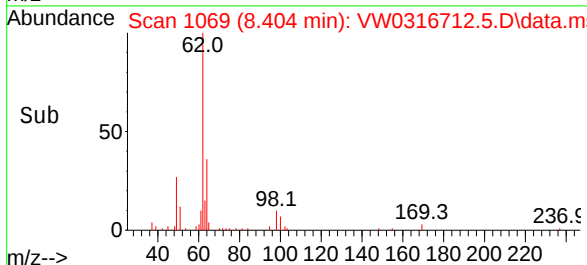
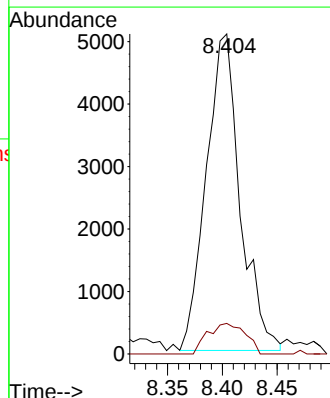
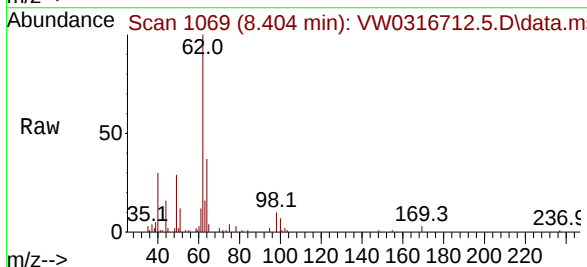
Acq: 31 Jan 2025 16:32

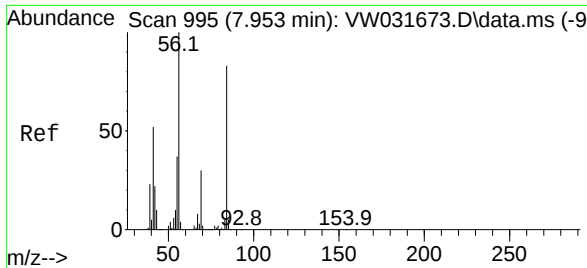
Tgt Ion: 62 Resp: 10916

Ion Ratio Lower Upper

62 100

98 9.5 8.3 12.5





#29

Cyclohexane

Concen: 2.652 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

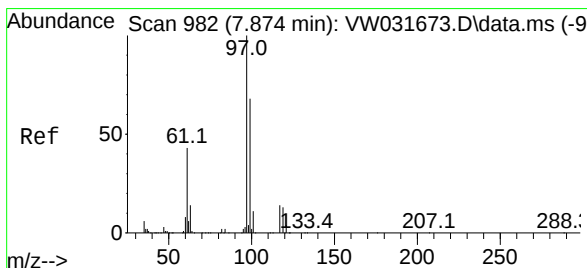
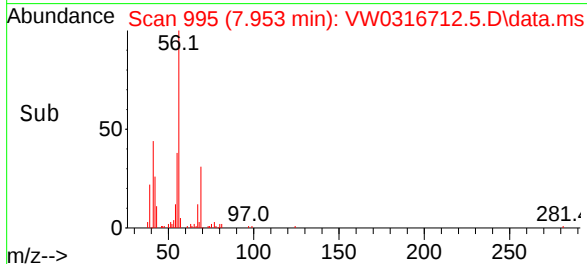
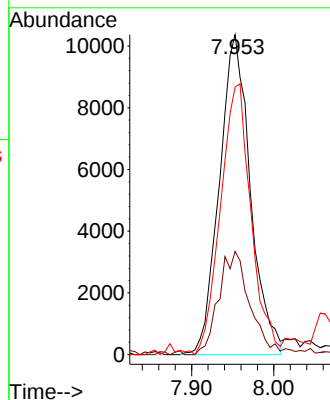
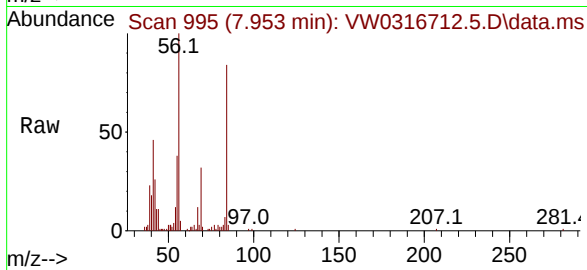
Tgt Ion: 56 Resp: 27218

Ion Ratio Lower Upper

56 100

69 32.1 24.2 36.4

84 83.0 67.8 101.8



#30

1,1,1-Trichloroethane

Concen: 2.443 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

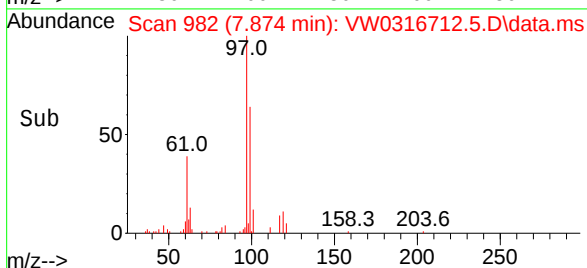
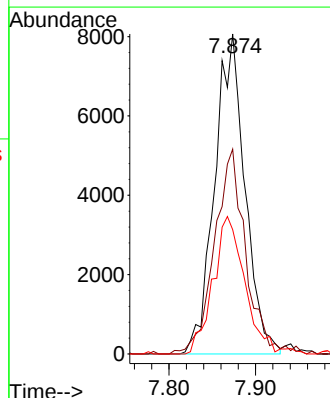
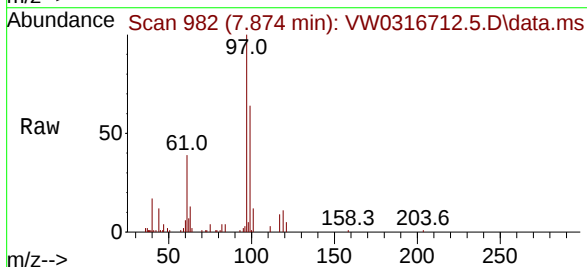
Tgt Ion: 97 Resp: 19607

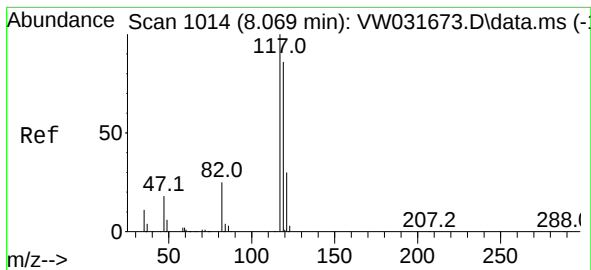
Ion Ratio Lower Upper

97 100

99 65.1 52.6 79.0

61 44.4 35.4 53.2





#31

Carbon tetrachloride

Concen: 2.514 ug/L

RT: 8.063 min Scan# 1013

Delta R.T. -0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

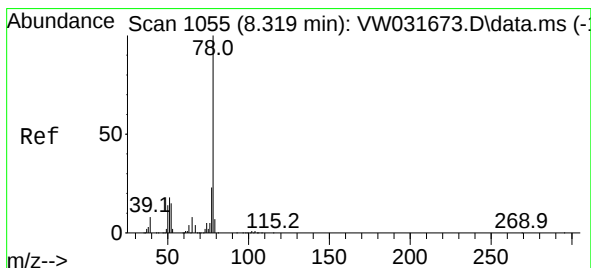
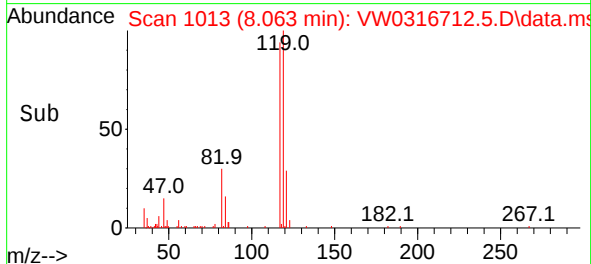
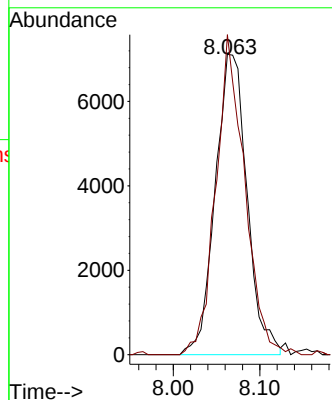
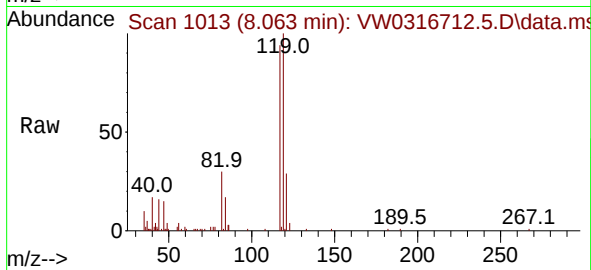
ClientSampleId :

Tgt Ion:117 Resp: 18181

Ion Ratio Lower Upper

117 100

119 96.2 75.7 113.5



#33

Benzene

Concen: 2.533 ug/L

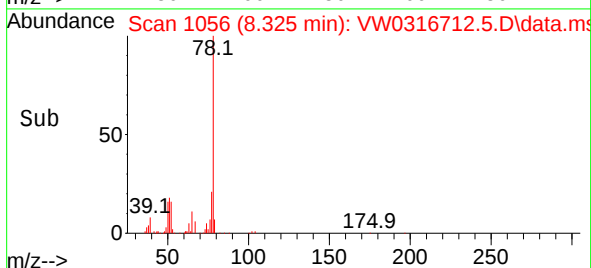
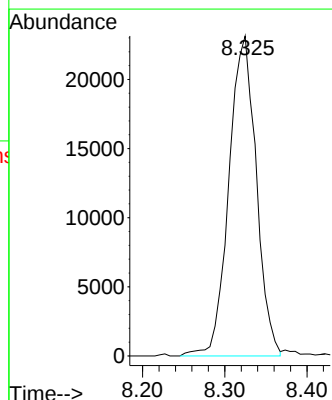
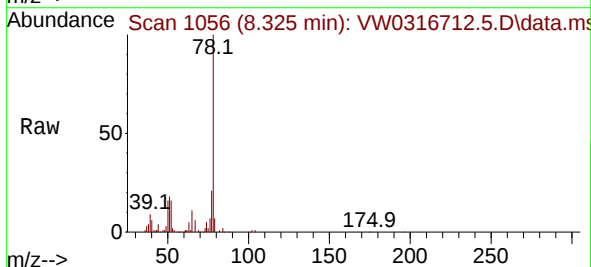
RT: 8.325 min Scan# 1056

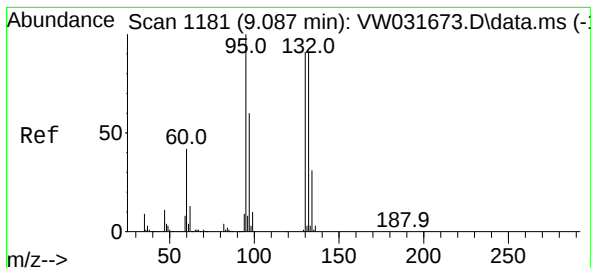
Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Tgt Ion: 78 Resp: 53618





#34

Trichloroethene

Concen: 2.582 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

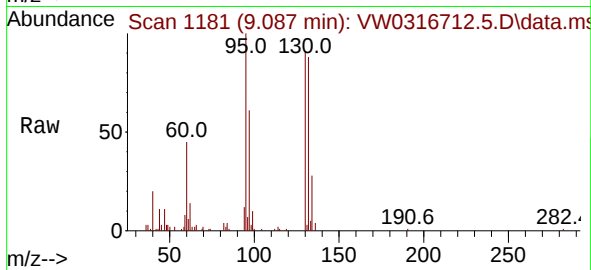
Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 14946

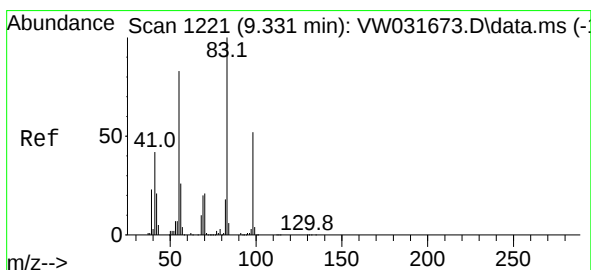
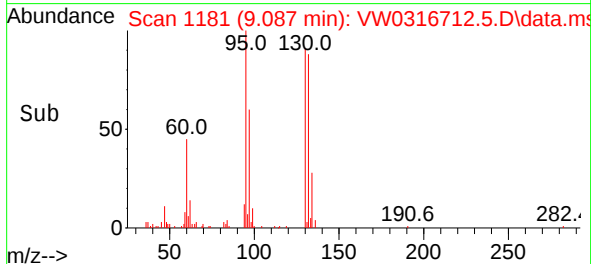
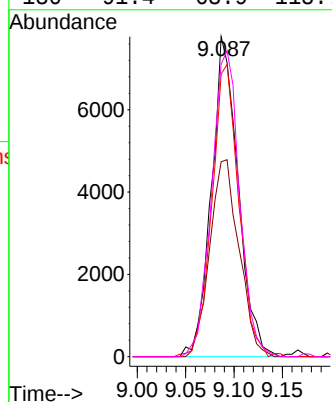
Ion Ratio Lower Upper

95 100

97 60.9 41.9 77.7

132 88.3 63.3 117.7

130 91.4 63.9 118.7



#35

Methylcyclohexane

Concen: 2.706 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

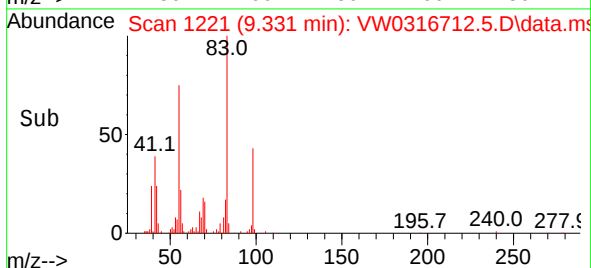
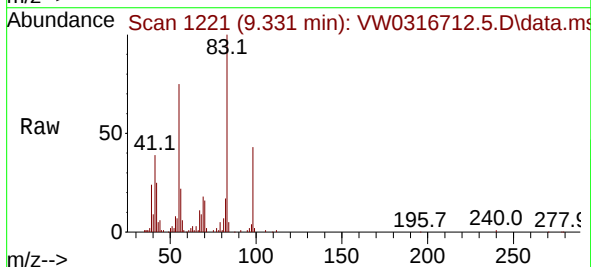
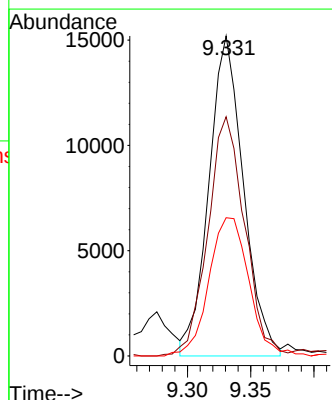
Tgt Ion: 83 Resp: 28886

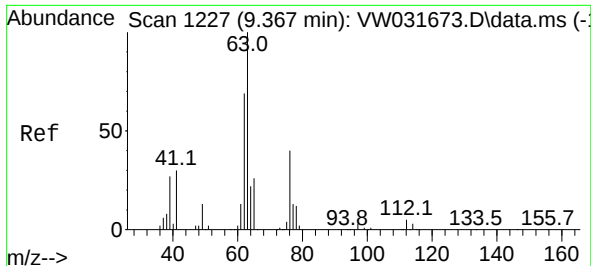
Ion Ratio Lower Upper

83 100

55 79.6 61.5 92.3

98 50.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 2.360 ug/L

RT: 9.361 min Scan# 11962

Delta R.T. -0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

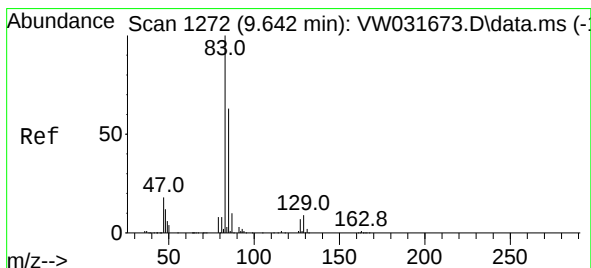
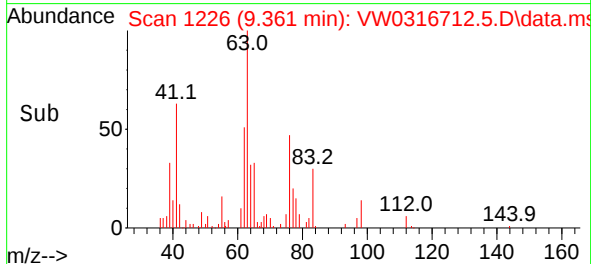
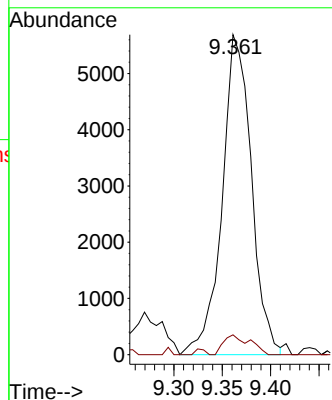
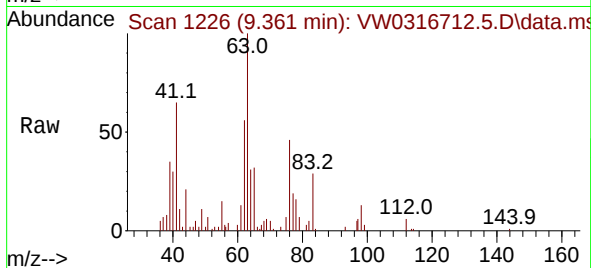
ClientSampleId :

Tgt Ion: 63 Resp: 11962

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 2.121 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

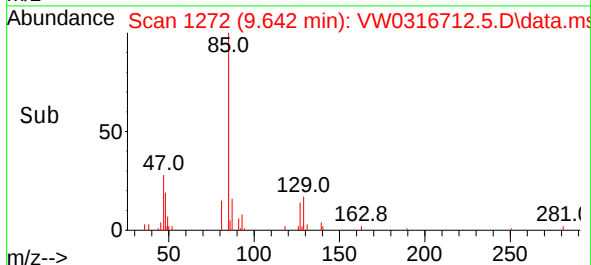
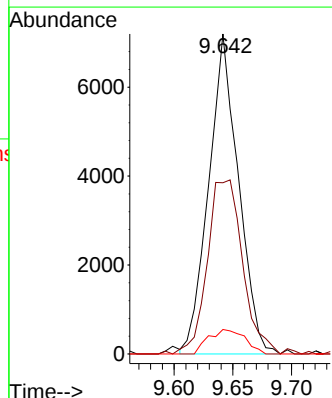
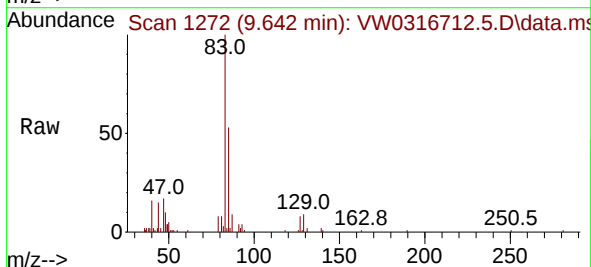
Tgt Ion: 83 Resp: 12664

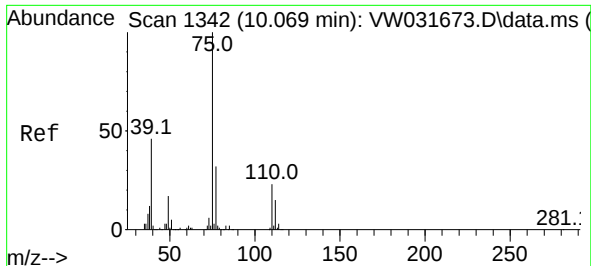
Ion Ratio Lower Upper

83 100

85 53.5 44.2 82.0

127 7.7 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 1.742 ug/L

RT: 10.074 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

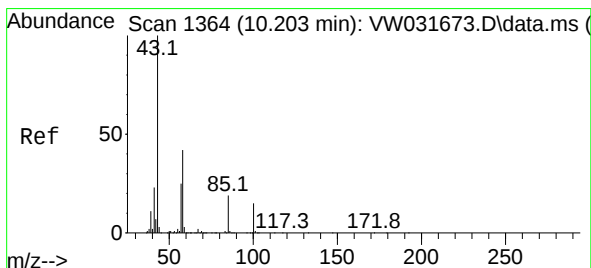
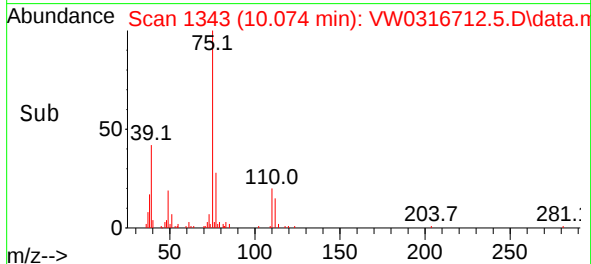
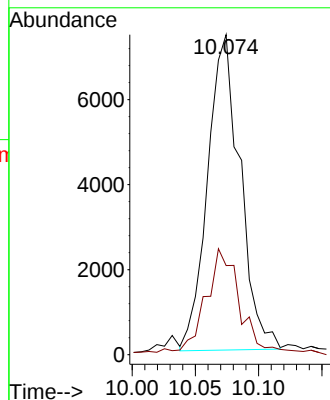
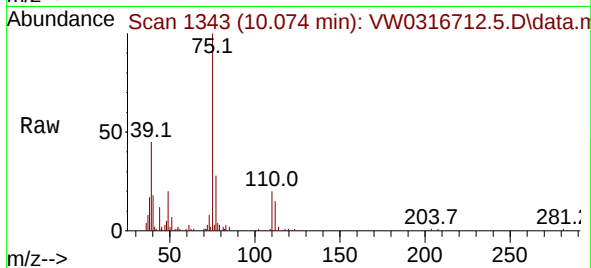
ClientSampleId :

Tgt Ion: 75 Resp: 13298

Ion Ratio Lower Upper

75 100

77 27.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 6.620 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

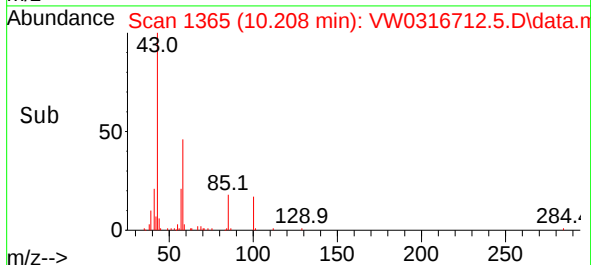
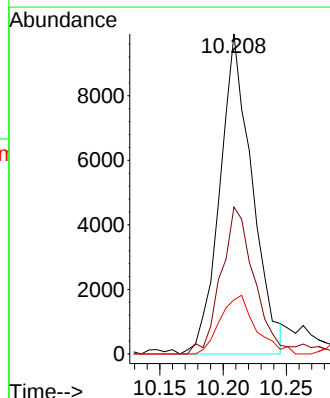
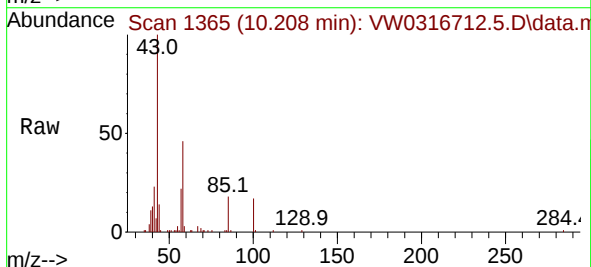
Tgt Ion: 43 Resp: 17592

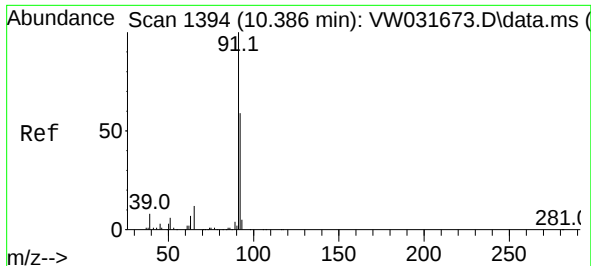
Ion Ratio Lower Upper

43 100

58 47.3 33.5 50.3

100 20.0 12.9 19.3#





#42

Toluene

Concen: 2.476 ug/L

RT: 10.385 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

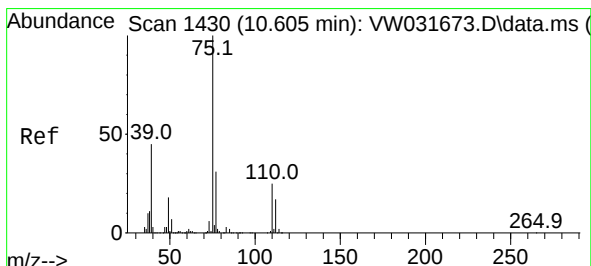
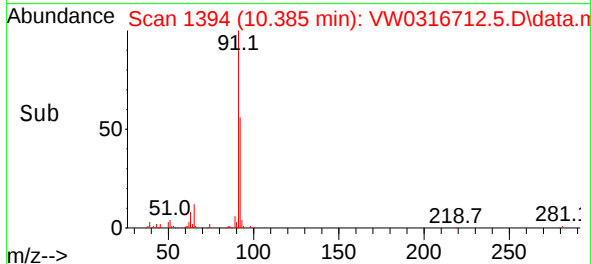
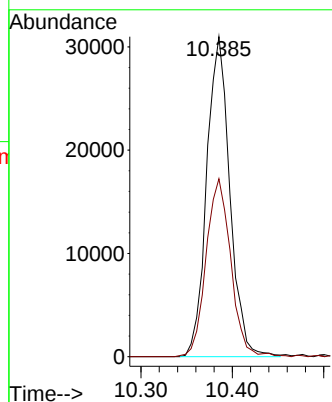
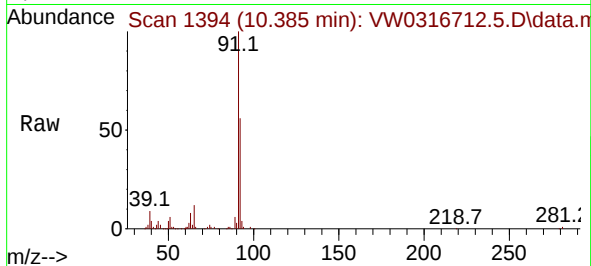
ClientSampleId :

Tgt Ion: 91 Resp: 54676

Ion Ratio Lower Upper

91 100

92 55.6 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 1.599 ug/L

RT: 10.599 min Scan# 1429

Delta R.T. -0.006 min

Lab File: VW0316712.5.D

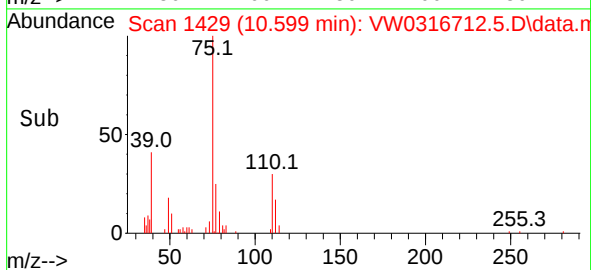
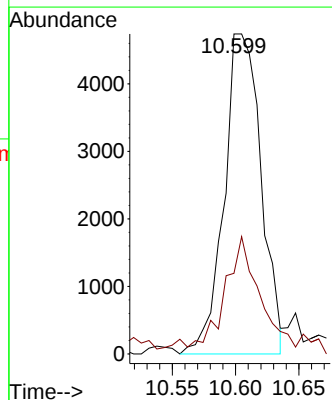
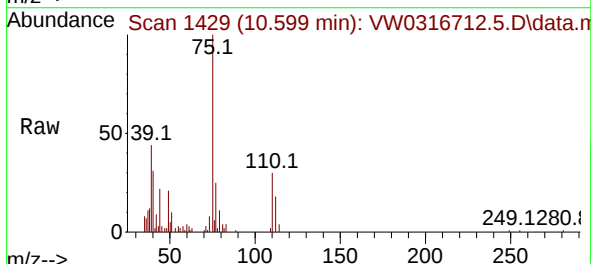
Acq: 31 Jan 2025 16:32

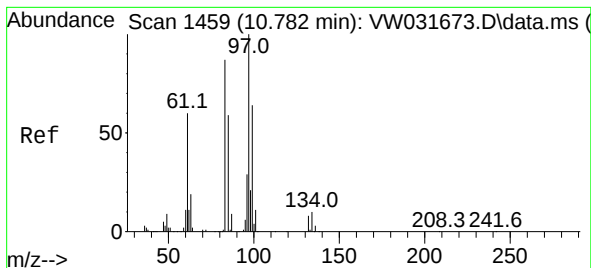
Tgt Ion: 75 Resp: 9638

Ion Ratio Lower Upper

75 100

77 25.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 2.403 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 7657

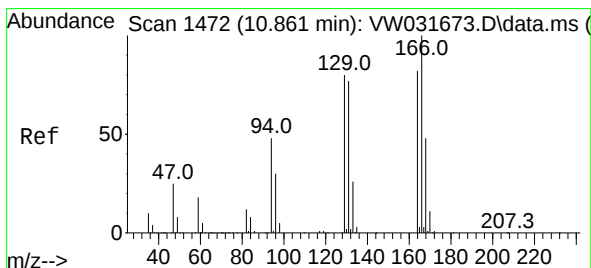
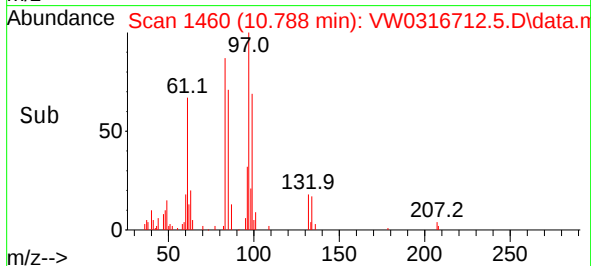
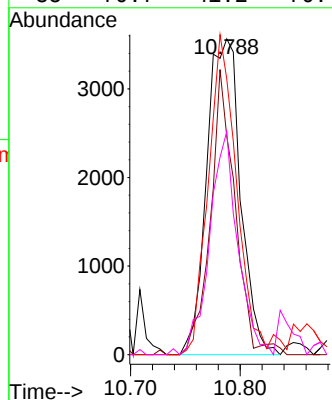
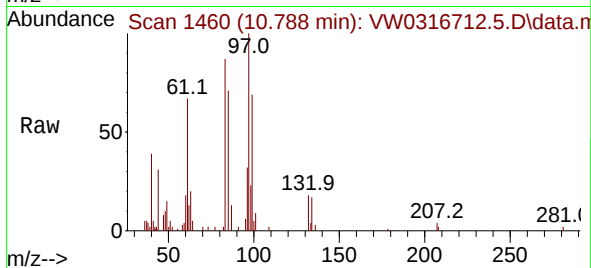
Ion Ratio Lower Upper

97 100

99 69.1 44.9 83.5

83 87.3 60.7 112.7

85 70.7 41.2 76.4



#46

Tetrachloroethene

Concen: 2.545 ug/L

RT: 10.867 min Scan# 1473

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Tgt Ion:164 Resp: 10752

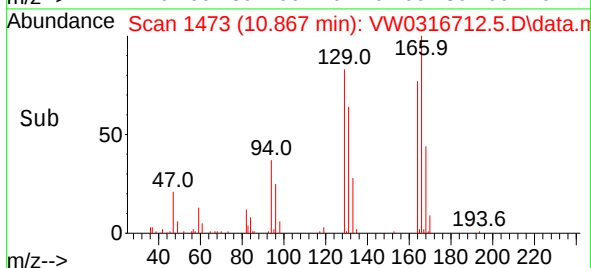
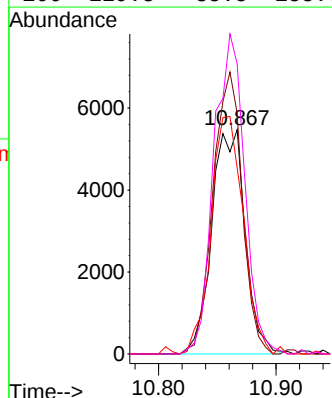
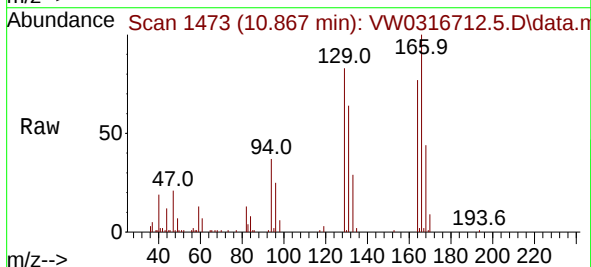
Ion Ratio Lower Upper

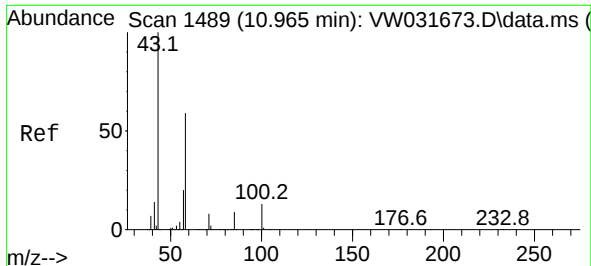
164 100

129 107.3 68.5 127.3

131 83.0 65.9 122.5

166 129.3 85.5 158.7





#48

2-Hexanone

Concen: 6.706 ug/L

RT: 10.971 min Scan# 1489

Delta R.T. 0.006 min

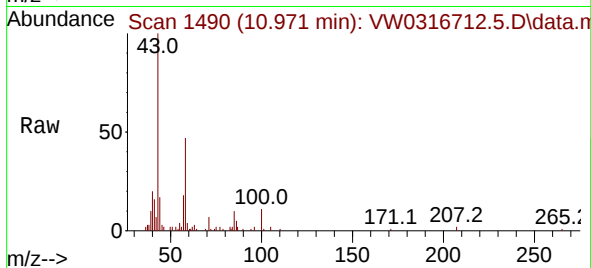
Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

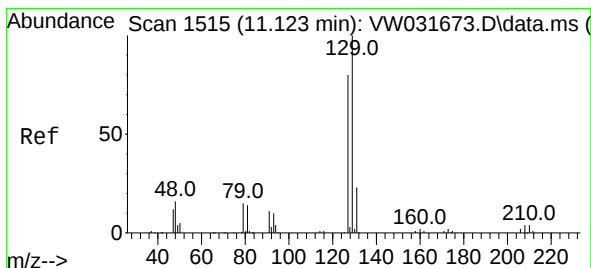
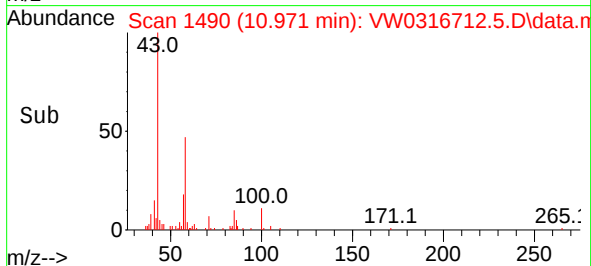
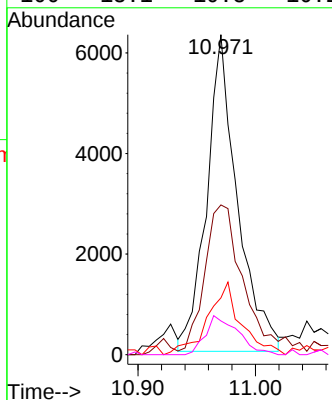
MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 11433

Ion	Ratio	Lower	Upper
43	100		
58	61.5	46.0	69.0
57	22.4	16.4	24.6
100	13.1	10.8	16.2



#49

Dibromochloromethane

Concen: 1.880 ug/L

RT: 11.129 min Scan# 1516

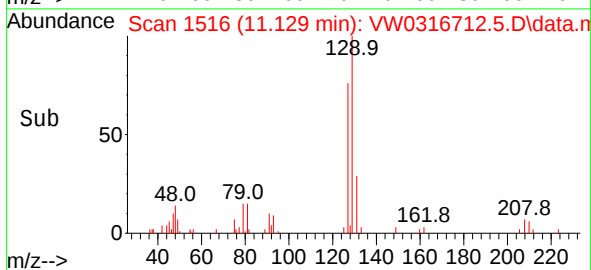
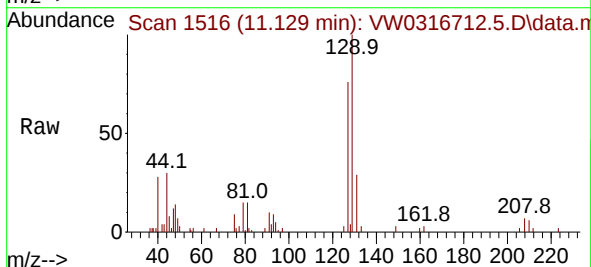
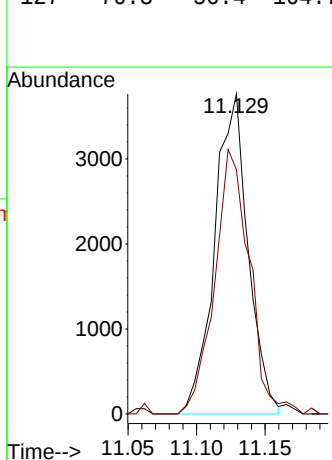
Delta R.T. 0.006 min

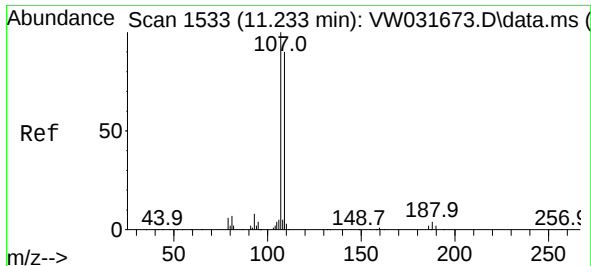
Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Tgt Ion:129 Resp: 6399

Ion	Ratio	Lower	Upper
129	100		
127	76.3	56.4	104.7





#50

1,2-Dibromoethane

Concen: 2.478 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

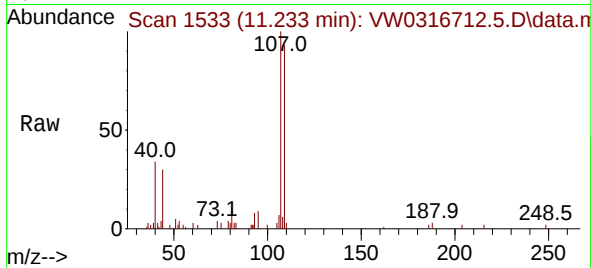
Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :



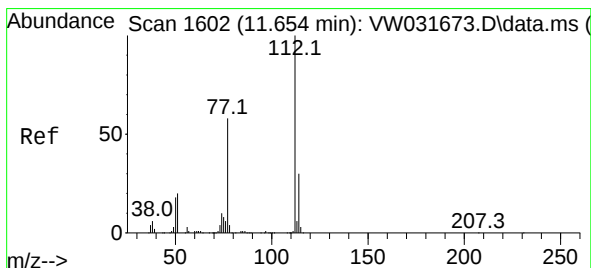
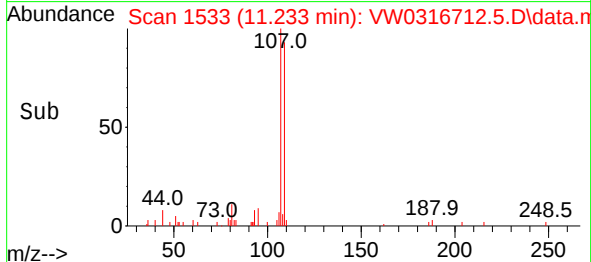
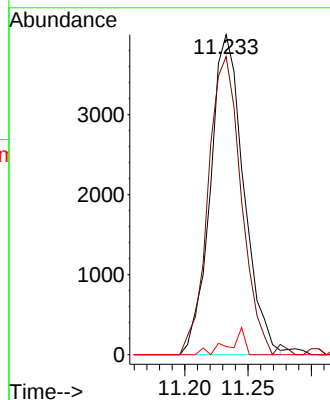
Tgt Ion:107 Resp: 7336

Ion Ratio Lower Upper

107 100

109 93.2 62.9 116.7

188 2.6 3.0 4.4#



#51

Chlorobenzene

Concen: 2.321 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

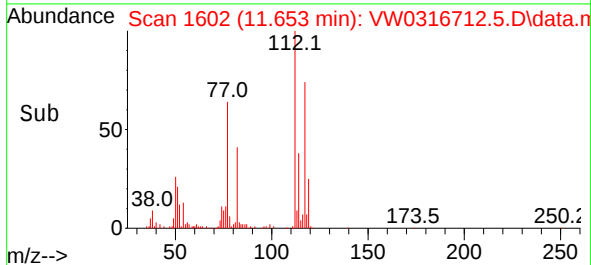
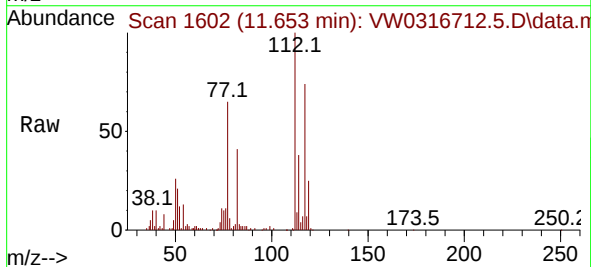
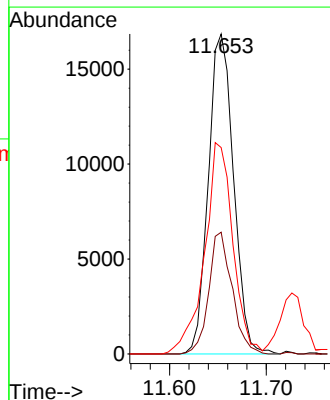
Tgt Ion:112 Resp: 30603

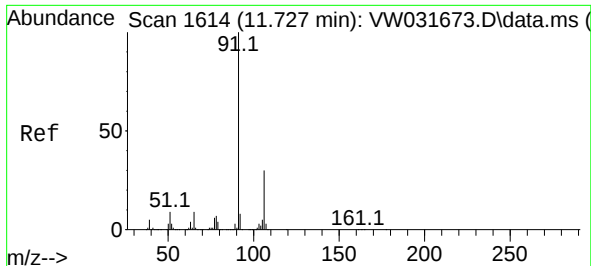
Ion Ratio Lower Upper

112 100

114 38.1 21.1 39.3

77 64.5 46.6 69.8





#52

Ethylbenzene

Concen: 2.413 ug/L

RT: 11.726 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

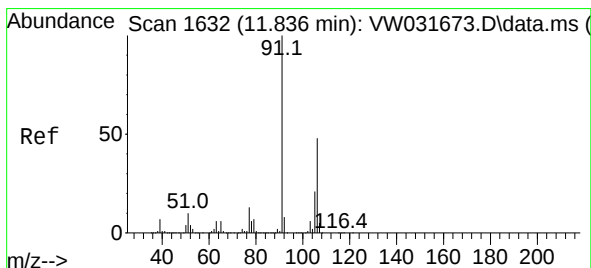
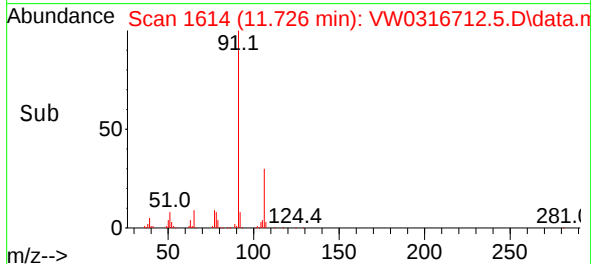
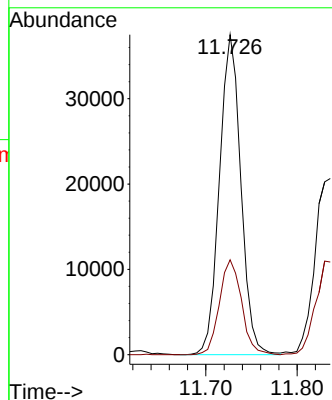
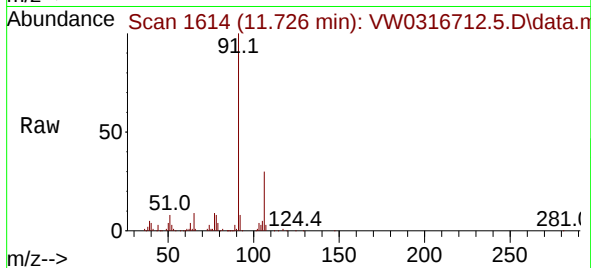
ClientSampleId :

Tgt Ion: 91 Resp: 61071

Ion Ratio Lower Upper

91 100

106 29.7 21.3 39.5



#53

m,p-Xylene

Concen: 2.382 ug/L

RT: 11.842 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

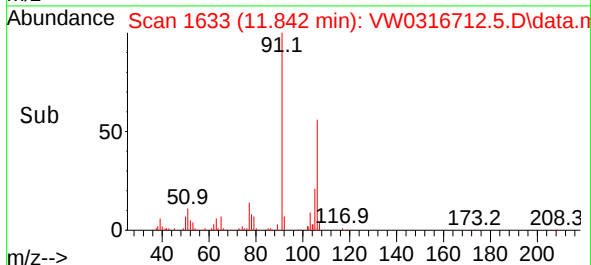
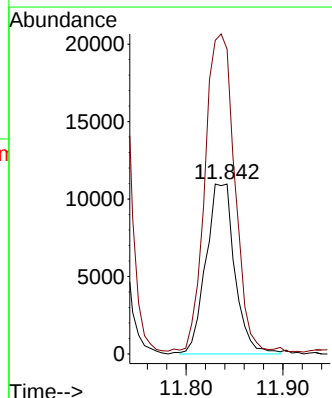
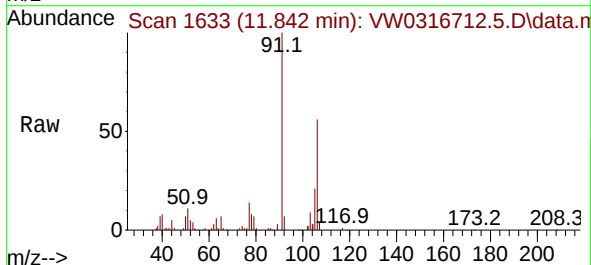
Acq: 31 Jan 2025 16:32

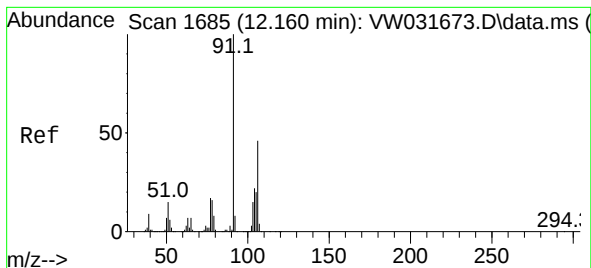
Tgt Ion: 106 Resp: 22719

Ion Ratio Lower Upper

106 100

91 179.3 147.2 273.4





#54

o-Xylene

Concen: 2.307 ug/L

RT: 12.159 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

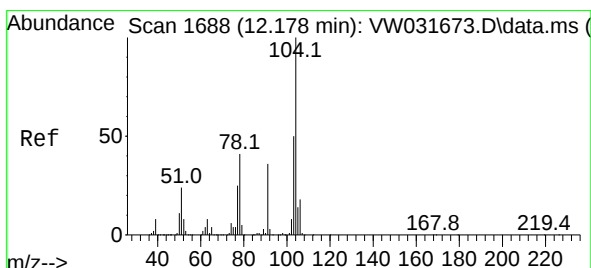
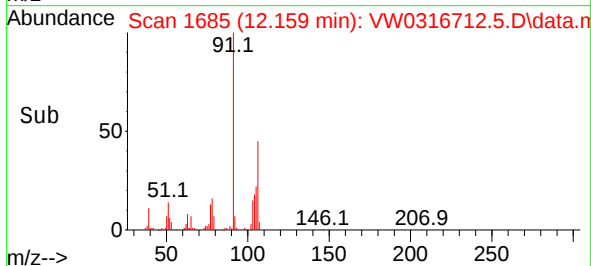
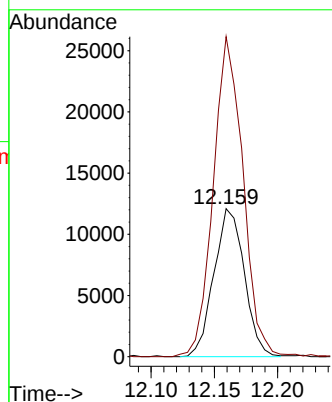
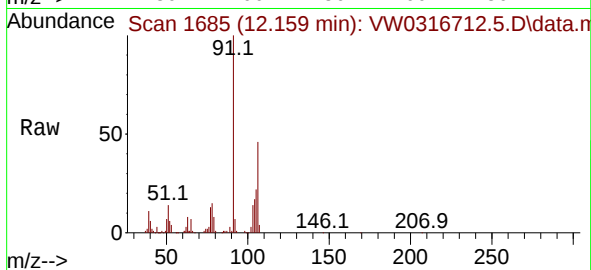
ClientSampleId :

Tgt Ion:106 Resp: 20216

Ion Ratio Lower Upper

106 100

91 216.3 152.7 283.7



#55

Styrene

Concen: 2.091 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

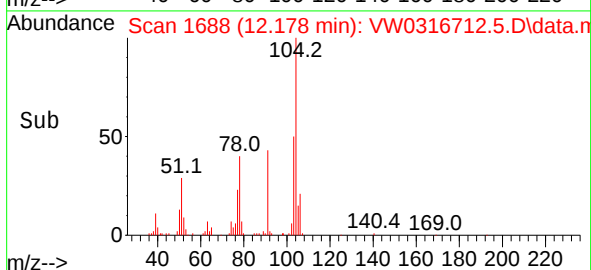
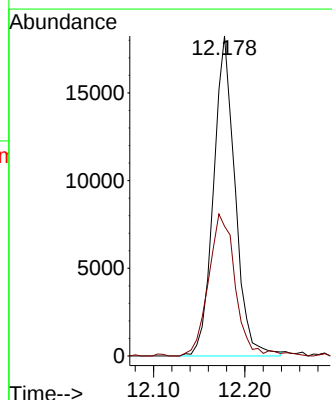
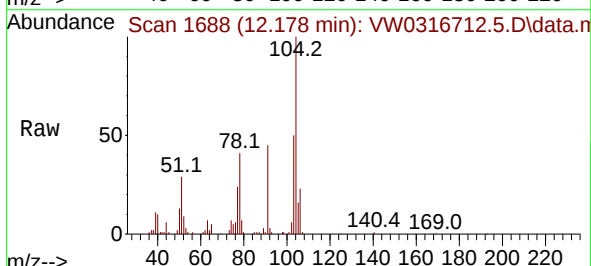
Acq: 31 Jan 2025 16:32

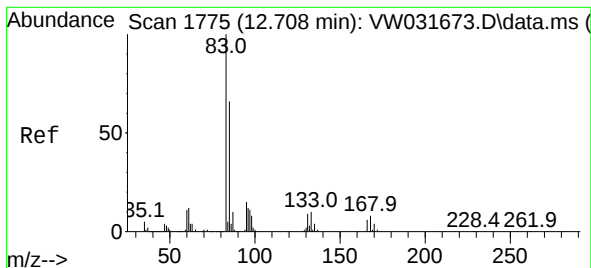
Tgt Ion:104 Resp: 29895

Ion Ratio Lower Upper

104 100

78 40.5 29.0 53.9

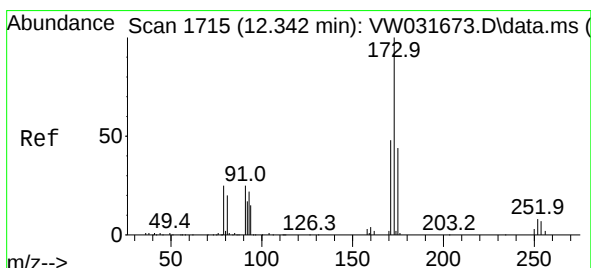
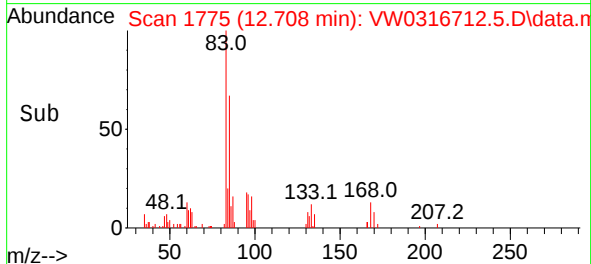
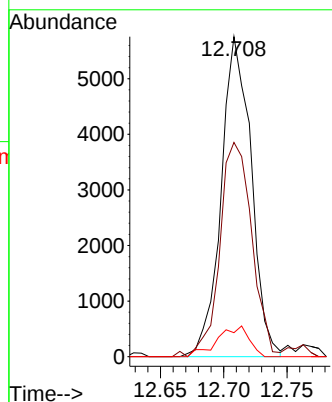
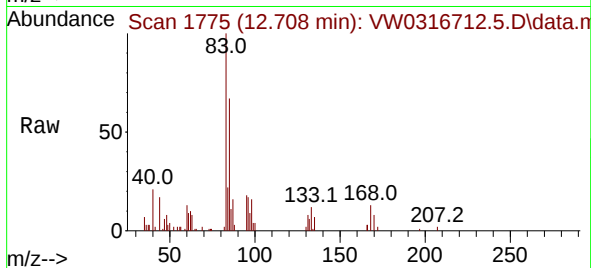




#57
1,1,2-Tetrachloroethane
Concen: 2.640 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

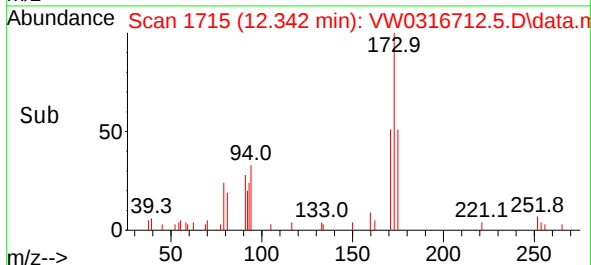
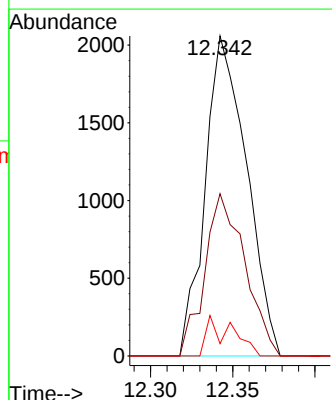
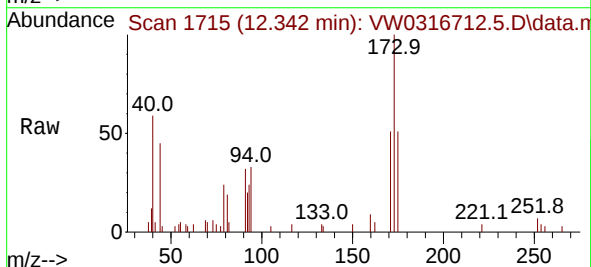
Instrument :
MSVOA_W
ClientSampleId :

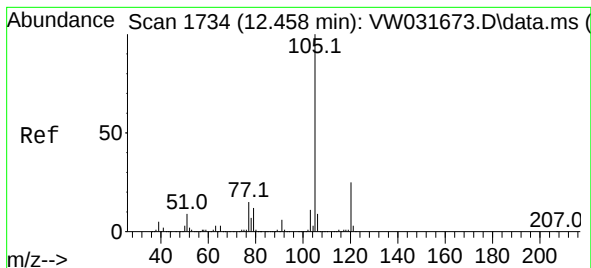
Tgt Ion: 83 Resp: 9498
Ion Ratio Lower Upper
83 100
85 66.9 46.3 86.1
131 7.5 7.1 10.7



#59
Bromoform
Concen: 2.233 ug/L
RT: 12.342 min Scan# 1715
Delta R.T. -0.000 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

Tgt Ion: 173 Resp: 3602
Ion Ratio Lower Upper
173 100
175 49.0 37.3 55.9
254 4.2 6.9 10.3#





#60

Isopropylbenzene

Concen: 2.588 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

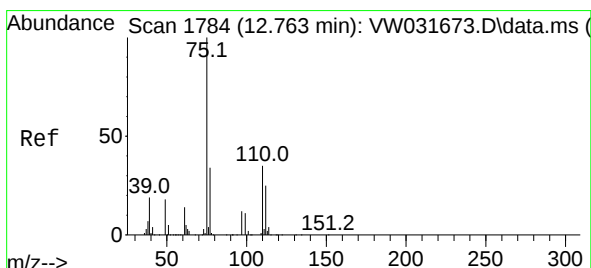
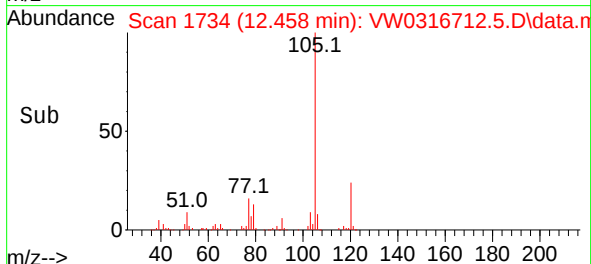
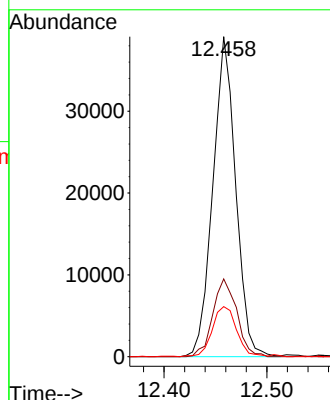
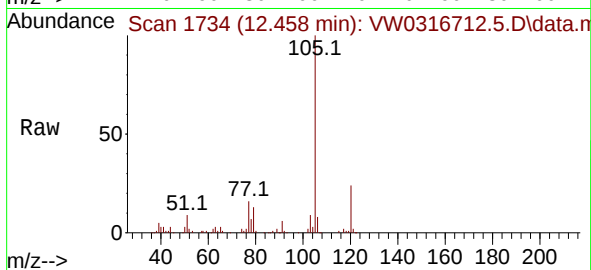
Tgt Ion:105 Resp: 60153

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

77 16.7 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 3.057 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

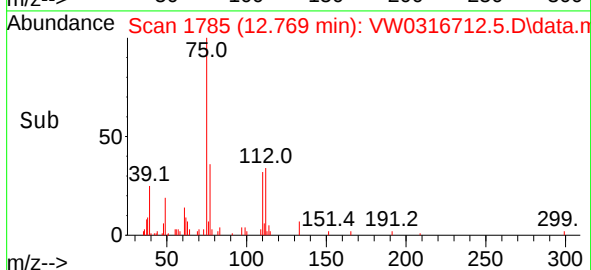
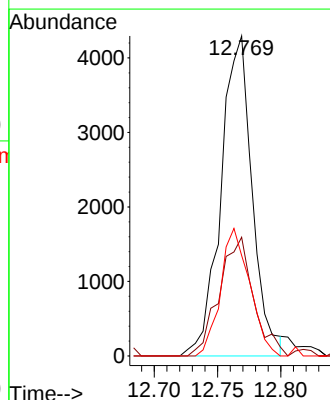
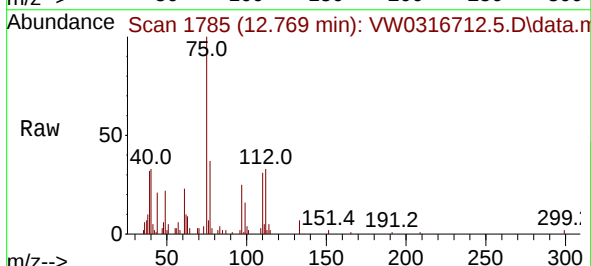
Tgt Ion: 75 Resp: 7384

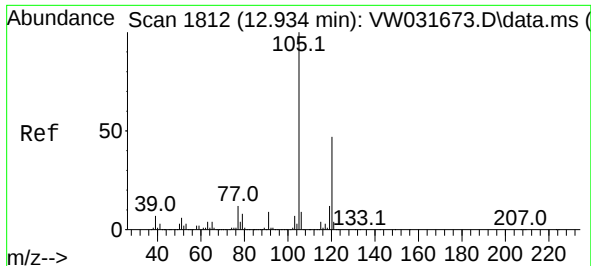
Ion Ratio Lower Upper

75 100

77 40.6 27.4 41.2

110 37.2 29.8 44.8





#62

1,3,5-Trimethylbenzene

Concen: 2.423 ug/L

RT: 12.940 min Scan# 1812

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

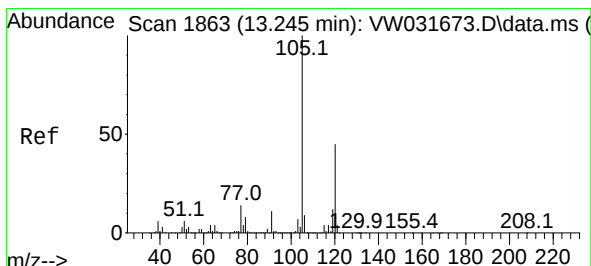
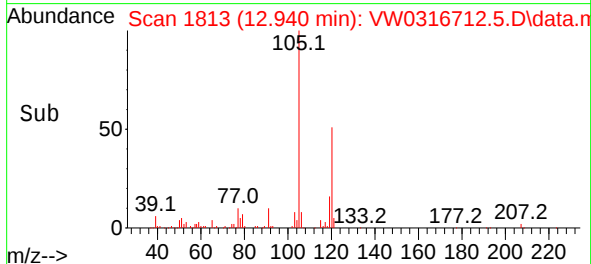
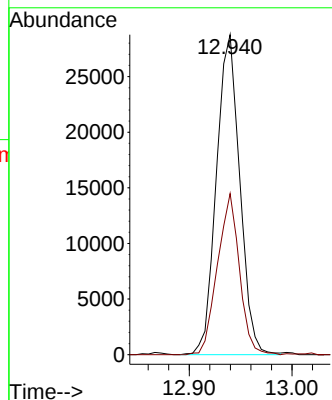
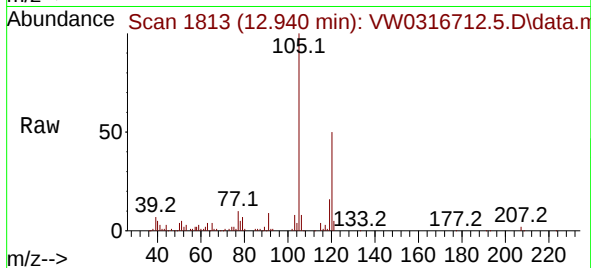
ClientSampleId :

Tgt Ion:105 Resp: 45430

Ion Ratio Lower Upper

105 100

120 47.2 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 2.294 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

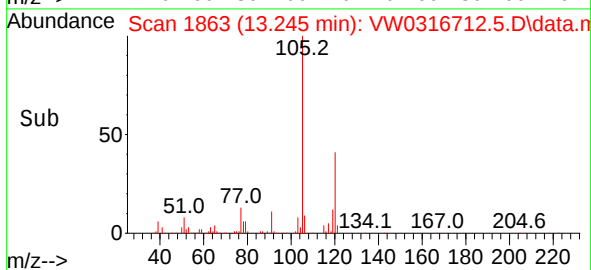
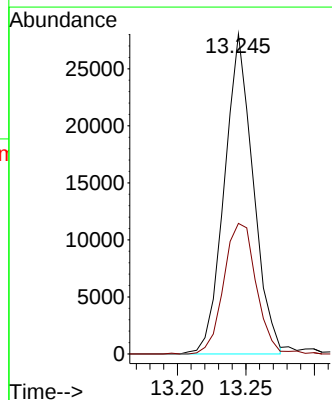
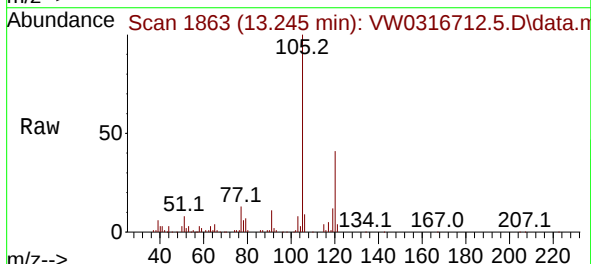
Acq: 31 Jan 2025 16:32

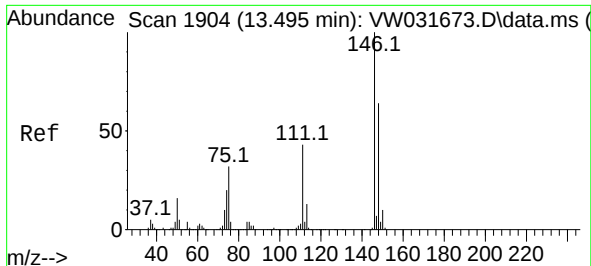
Tgt Ion:105 Resp: 41000

Ion Ratio Lower Upper

105 100

120 45.7 35.1 52.7





#64

1,3-Dichlorobenzene

Concen: 2.479 ug/L

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

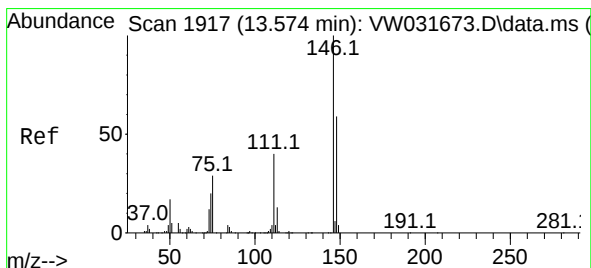
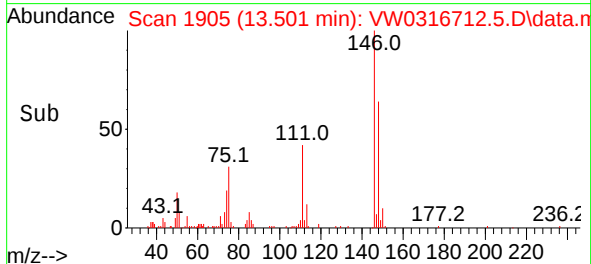
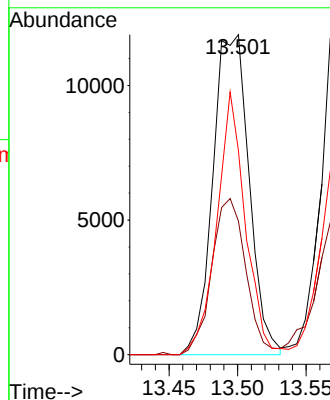
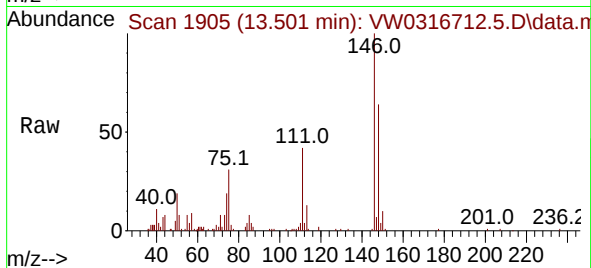
Tgt Ion:146 Resp: 21791

Ion Ratio Lower Upper

146 100

111 41.8 30.2 56.2

148 63.8 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 2.649 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

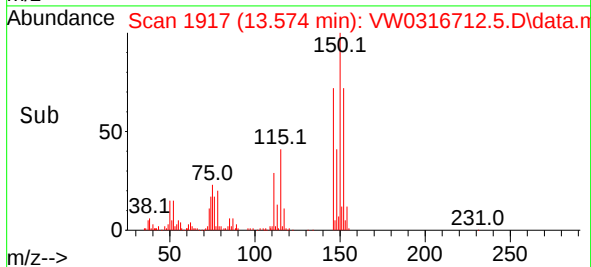
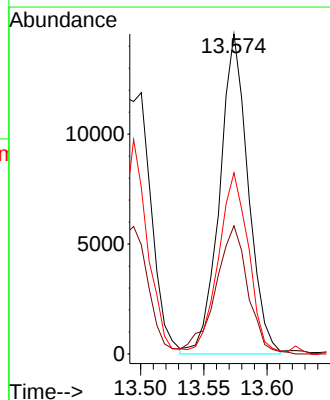
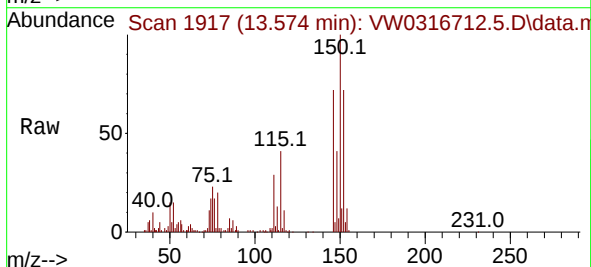
Tgt Ion:146 Resp: 22862

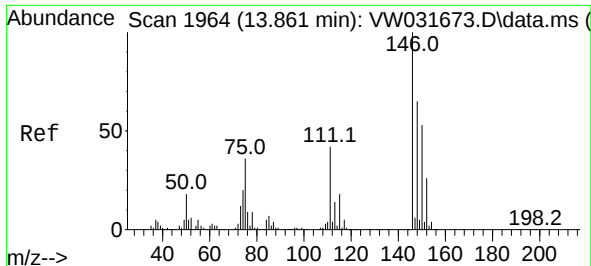
Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.3

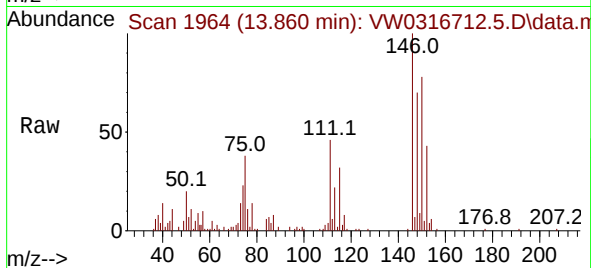
148 56.6 41.4 77.0



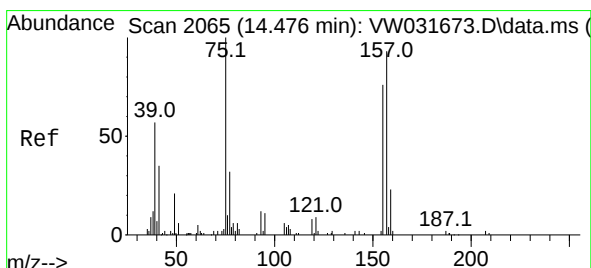
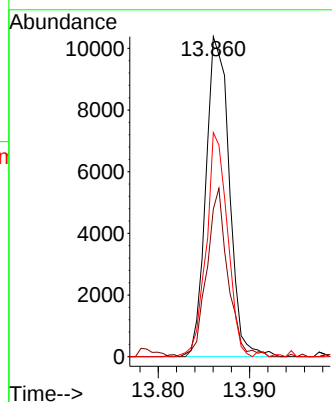
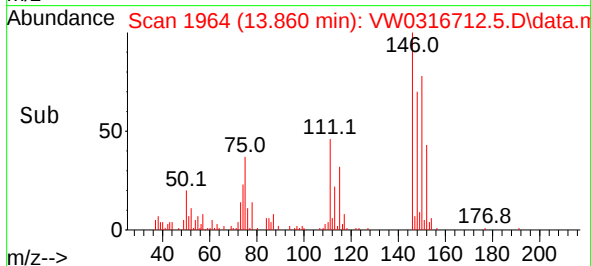


#67
1,2-Dichlorobenzene
Concen: 2.495 ug/L
RT: 13.860 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32

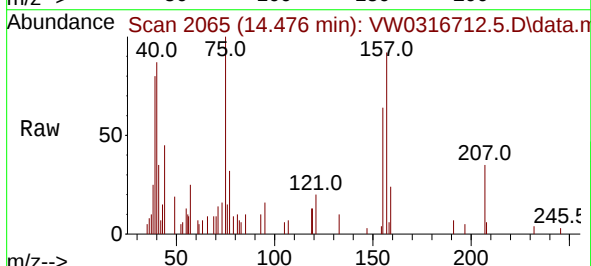
Instrument :
MSVOA_W
ClientSampleId :



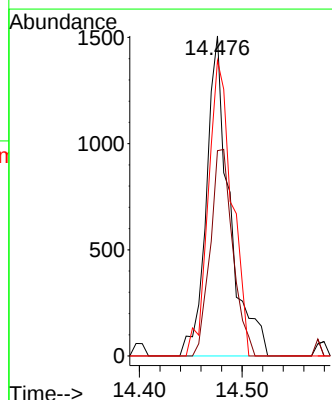
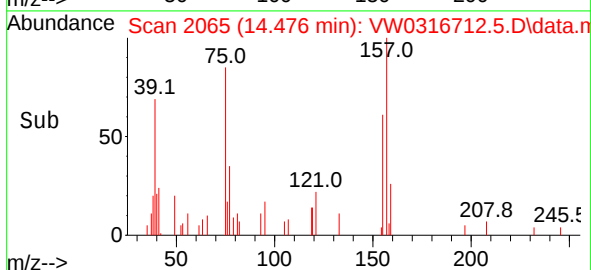
Tgt Ion:146 Resp: 18460
Ion Ratio Lower Upper
146 100
111 46.1 33.4 50.0
148 70.0 51.6 77.4

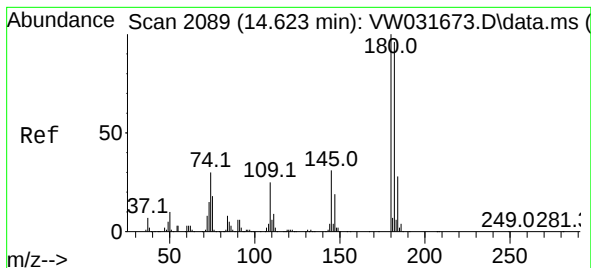


#68
1,2-Dibromo-3-chloropropane
Concen: 4.117 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW0316712.5.D
Acq: 31 Jan 2025 16:32



Tgt Ion: 75 Resp: 2356
Ion Ratio Lower Upper
75 100
155 64.2 60.6 91.0
157 92.4 74.1 111.1





#69

1,3,5-Trichlorobenzene

Concen: 2.489 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

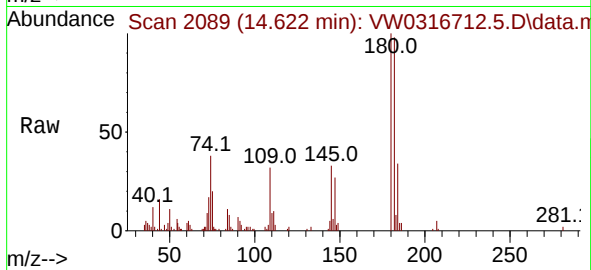
Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 14751

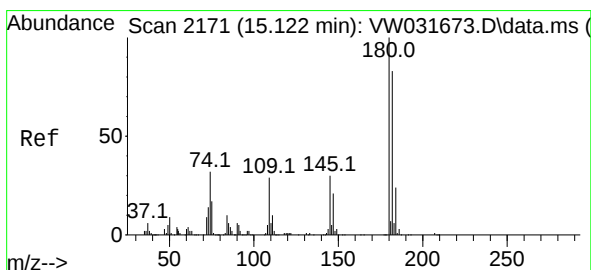
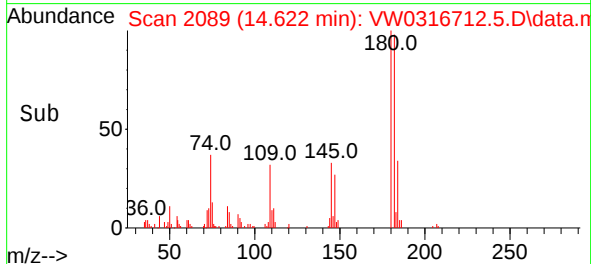
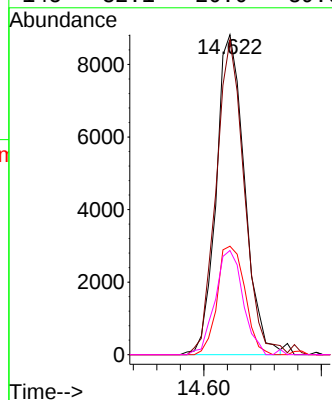
Ion Ratio Lower Upper

180 100

182 96.9 75.1 112.7

184 33.2 23.7 35.5

145 32.1 26.0 39.0



#70

1,2,4-trichlorobenzene

Concen: 2.410 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

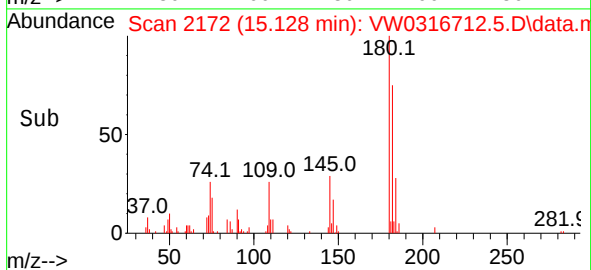
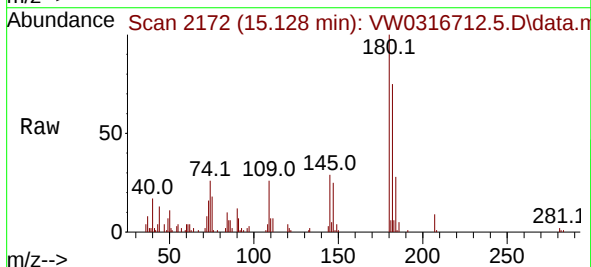
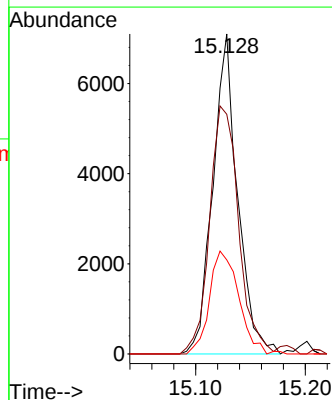
Tgt Ion:180 Resp: 11157

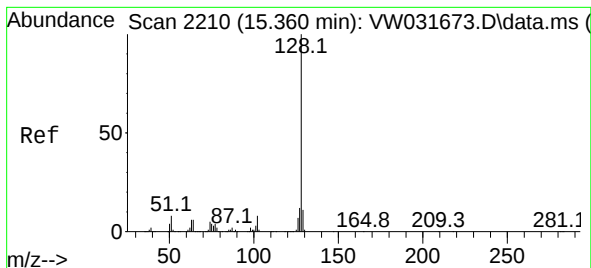
Ion Ratio Lower Upper

180 100

182 90.4 73.0 109.4

145 37.8 26.7 40.1





#71

Naphthalene

Concen: 2.676 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

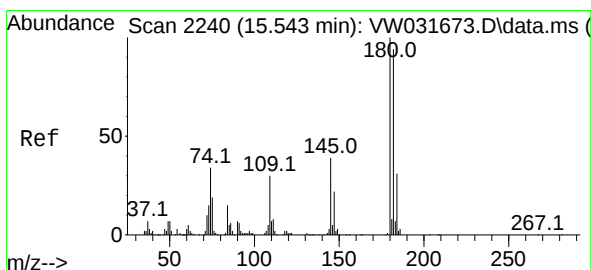
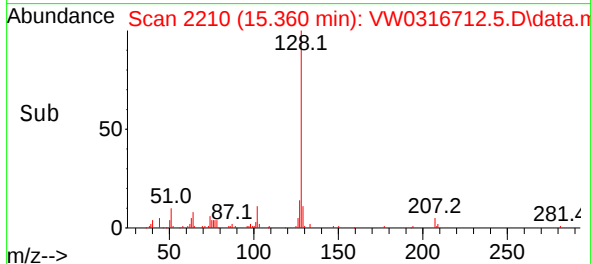
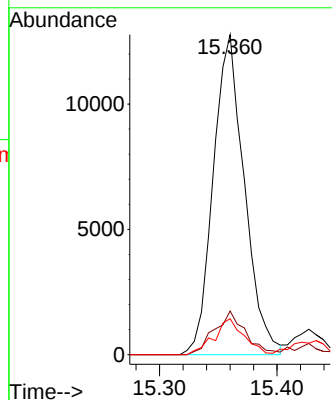
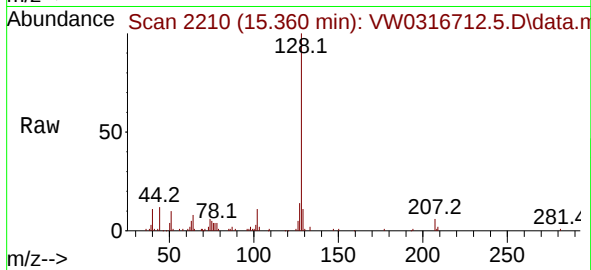
Tgt Ion:128 Resp: 23547

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

129 10.9 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 2.517 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.000 min

Lab File: VW0316712.5.D

Acq: 31 Jan 2025 16:32

Tgt Ion:180 Resp: 9866

Ion Ratio Lower Upper

180 100

182 93.9 78.2 117.4

145 38.7 30.2 45.4

