

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052225\
 Data File : VW031706.D
 Acq On : 22 May 2025 08:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025499

Quant Time: May 22 11:05:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 22 11:01:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	422215	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	299295	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	130361	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	231349	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.32%
7) Chloroethane-d5	2.893	69	145343	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.16%
11) 1,1-Dichloroethene-d2	4.021	65	95459	21.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.68%
21) 2-Butanone-d5	7.094	46	107001	51.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.98%
24) Chloroform-d	7.648	84	249090	25.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.48%
26) 1,2-Dichloroethane-d4	8.301	65	90791	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.84%
32) Benzene-d6	8.270	84	556052	24.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	9.270	67	123753	23.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.68%
41) Toluene-d8	10.319	98	498040	24.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.76%
43) trans-1,3-Dichloroprop...	10.575	79	39735	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.96%
47) 2-Hexanone-d5	10.922	63	54591	49.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.88%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	86185	24.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.20%
66) 1,2-Dichlorobenzene-d4	13.849	152	99228	22.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.84%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	190996	22.81	ug/L #	88
3) Chloromethane	2.216	50	147895	22.19	ug/L	98
5) Vinyl chloride	2.369	62	240525	24.00	ug/L	96
6) Bromomethane	2.783	94	99329	24.47	ug/L	96
8) Chloroethane	2.930	64	116197	24.32	ug/L	99
9) Trichlorofluoromethane	3.259	101	195866	25.00	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.058	101	230080	22.09	ug/L	91
12) 1,1-Dichloroethene	4.033	96	195719	23.66	ug/L	93
13) Acetone	4.155	43	84674	56.61	ug/L	69
14) Carbon disulfide	4.387	76	619491	24.43	ug/L	98
16) Methylene chloride	4.917	84	105990	24.72	ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	177962	25.26	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	127576	25.55	ug/L #	86
19) 1,1-Dichloroethane	6.210	63	281001	25.69	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	137975	25.51	ug/L	93
22) 2-Butanone	7.185	43	115678	53.28	ug/L	99
23) Bromochloromethane	7.514	128	44751	25.52	ug/L	94
25) Chloroform	7.673	83	238181	25.34	ug/L	99
27) 1,2-Dichloroethane	8.398	62	112145	25.75	ug/L	96

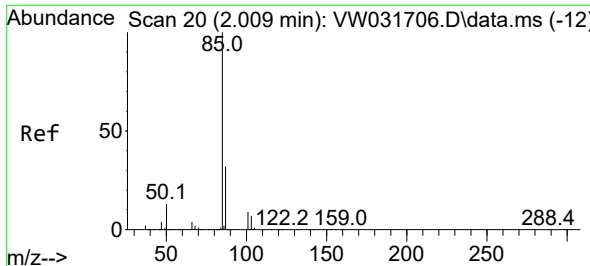
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052225\
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Quant Time: May 22 11:05:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 22 11:01:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	450112	23.24	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	312800	24.88	ug/L	99
31) Carbon tetrachloride	8.063	117	311347	24.75	ug/L	97
33) Benzene	8.319	78	627577	25.65	ug/L	100
34) Trichloroethene	9.087	95	196140	24.41	ug/L	96
35) Methylcyclohexane	9.331	83	469887	22.17	ug/L	94
37) 1,2-Dichloropropane	9.362	63	121466	25.58	ug/L	99
38) Bromodichloromethane	9.642	83	135448	25.93	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	153043	26.04	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	145354	49.98	ug/L	97
42) Toluene	10.386	91	657040	25.28	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	116435	26.42	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	68140	25.15	ug/L	91
46) Tetrachloroethene	10.855	164	157721	23.45	ug/L	97
48) 2-Hexanone	10.965	43	122221	52.92	ug/L	98
49) Dibromochloromethane	11.123	129	73262	26.78	ug/L	89
50) 1,2-Dibromoethane	11.233	107	65845	25.86	ug/L #	99
51) Chlorobenzene	11.654	112	321833	24.85	ug/L	99
52) Ethylbenzene	11.727	91	762427	24.40	ug/L	99
53) m,p-Xylene	11.831	106	277057	24.63	ug/L	85
54) o-Xylene	12.160	106	219482	24.80	ug/L	98
55) Styrene	12.178	104	333797	26.16	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	88893	25.30	ug/L	99
59) Bromoform	12.343	173	41665	26.91	ug/L #	96
60) Isopropylbenzene	12.459	105	836744	23.30	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	69029	24.02	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	573602	23.34	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	500985	23.97	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	219230	23.14	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	212786	24.09	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	175150	24.32	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	20507	22.12	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.623	180	157356	24.10	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	99182	22.42	ug/L	98
71) Naphthalene	15.360	128	202291	23.58	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	81189	22.59	ug/L	99

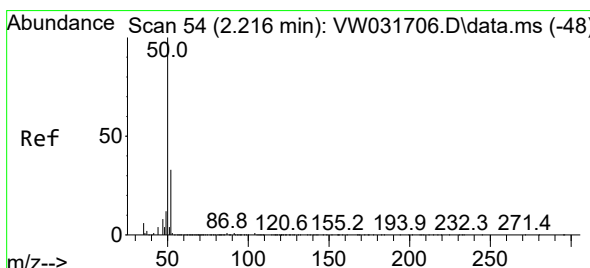
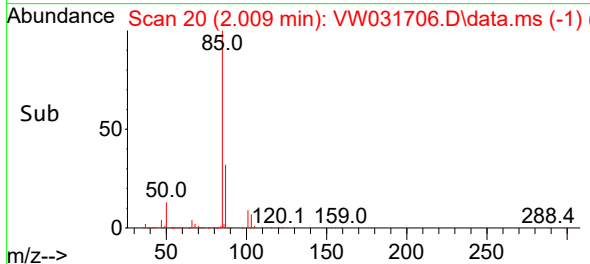
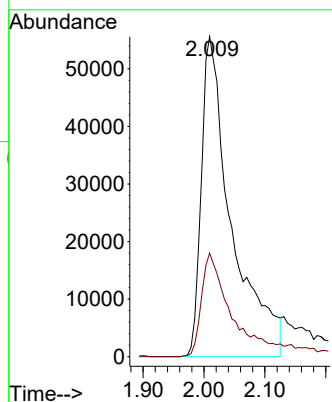
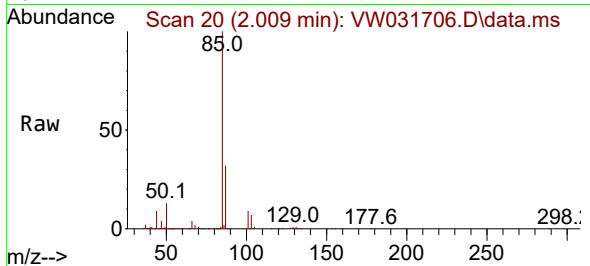
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 22.81 ug/L
RT: 2.009 min Scan# 20
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

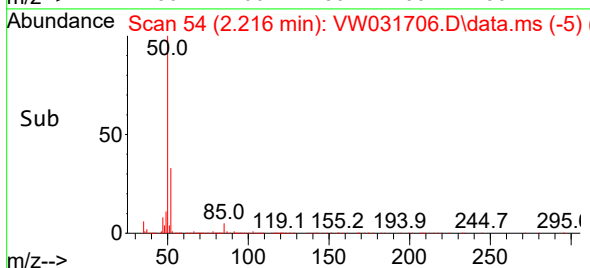
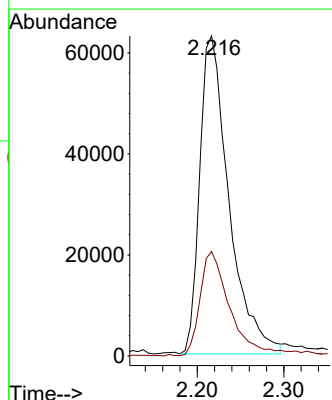
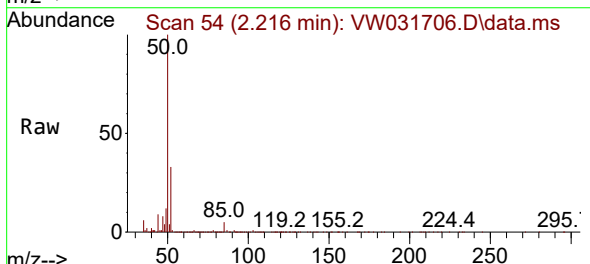
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

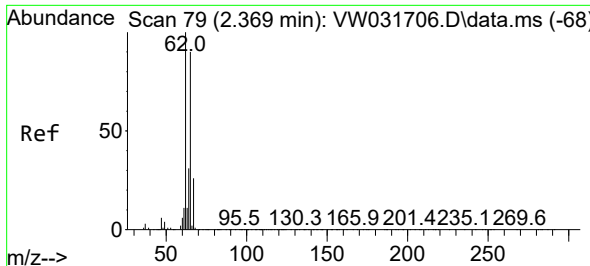
Tgt Ion: 85 Resp: 190996
Ion Ratio Lower Upper
85 100
87 27.8 0.1 0.1#



#3
Chloromethane
Concen: 22.19 ug/L
RT: 2.216 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 50 Resp: 147895
Ion Ratio Lower Upper
50 100
52 32.7 22.0 41.0

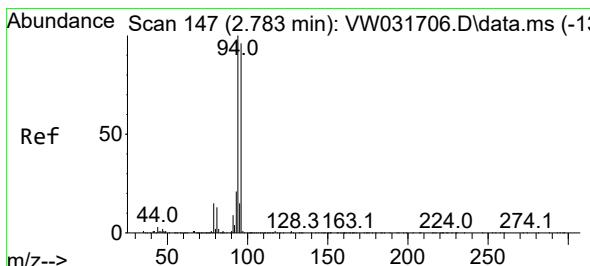
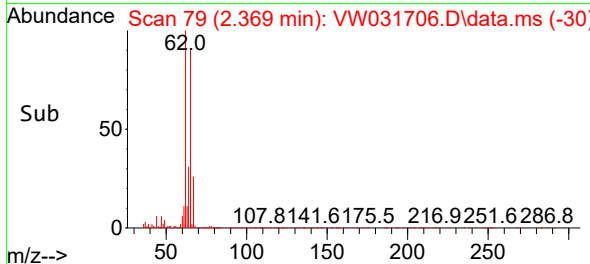
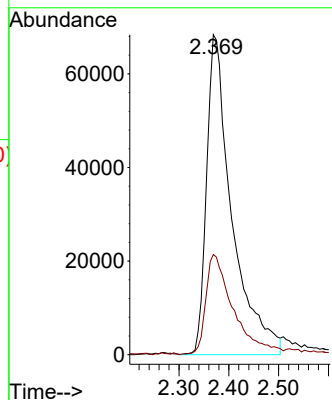
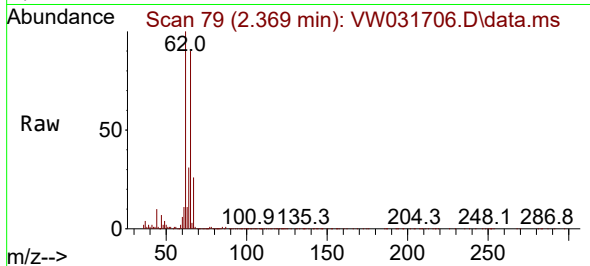




#5
 Vinyl chloride
 Concen: 24.00 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

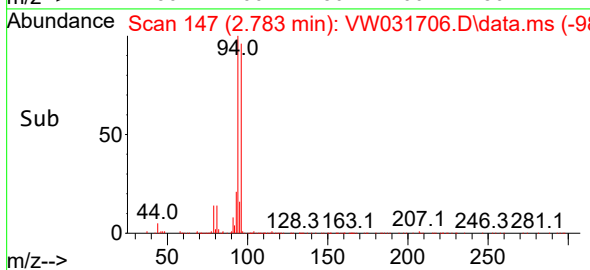
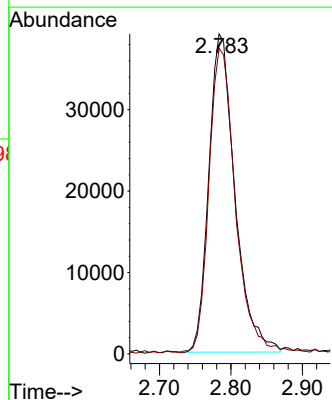
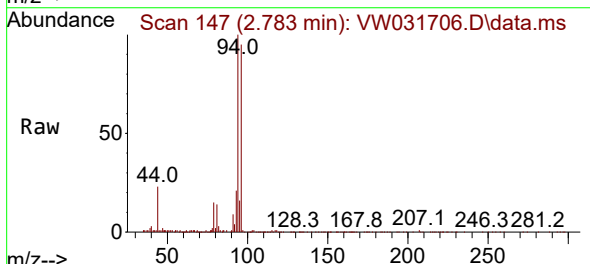
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 ClientSampleId :
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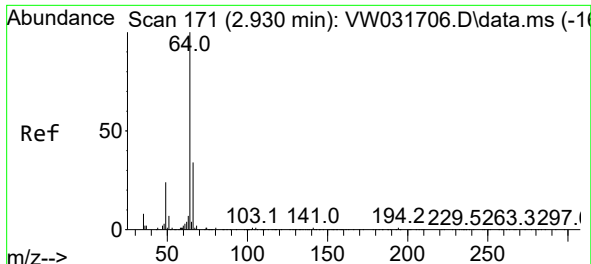
Tgt Ion: 62 Resp: 240525
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.7 43.9



#6
 Bromomethane
 Concen: 24.47 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

Tgt Ion: 94 Resp: 99329
 Ion Ratio Lower Upper
 94 100
 96 95.5 64.3 119.3

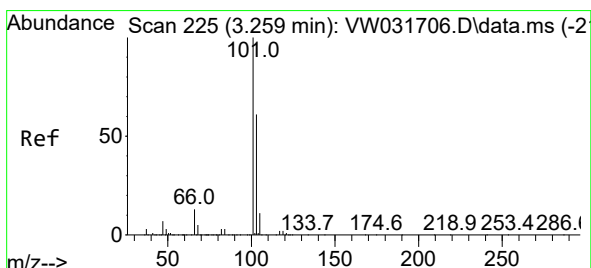
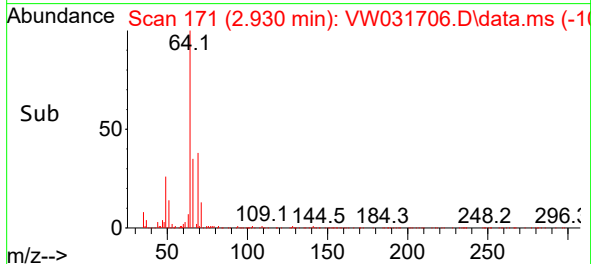
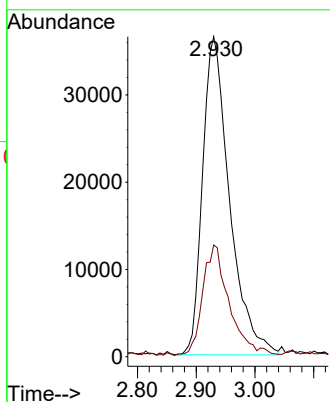
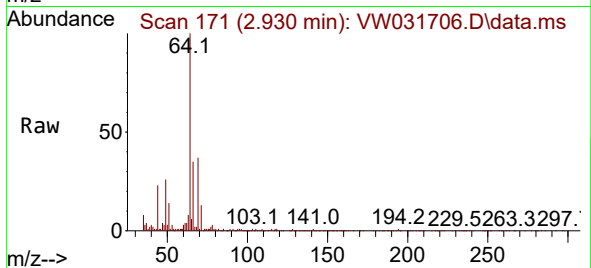




#8
Chloroethane
Concen: 24.32 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

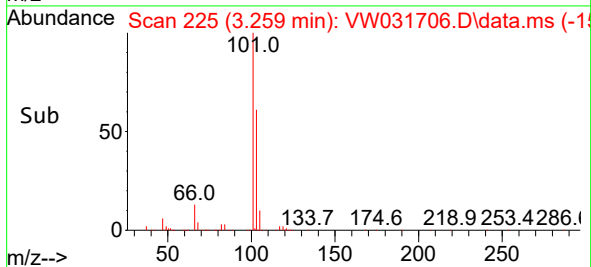
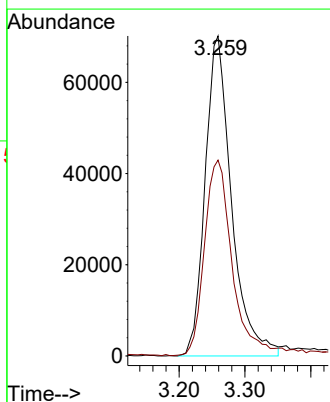
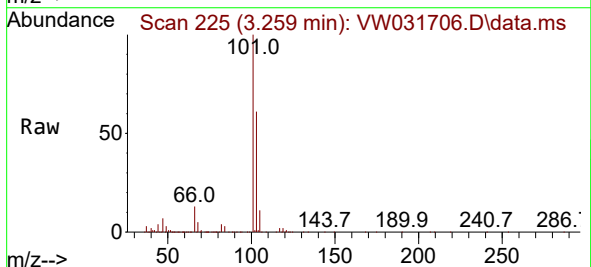
Instrument :
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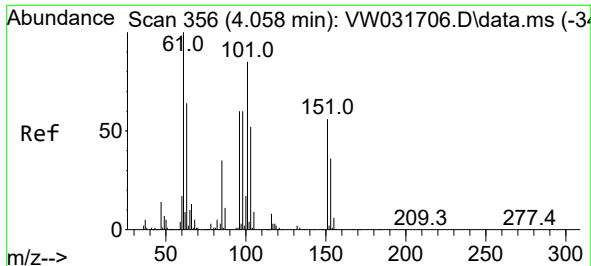
Tgt Ion: 64 Resp: 116197
Ion Ratio Lower Upper
64 100
66 34.9 23.9 44.5



#9
Trichlorofluoromethane
Concen: 25.00 ug/L
RT: 3.259 min Scan# 225
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 101 Resp: 195866
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8

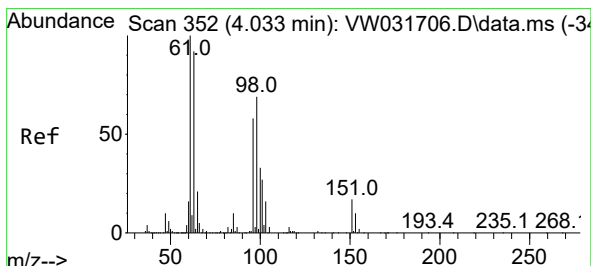
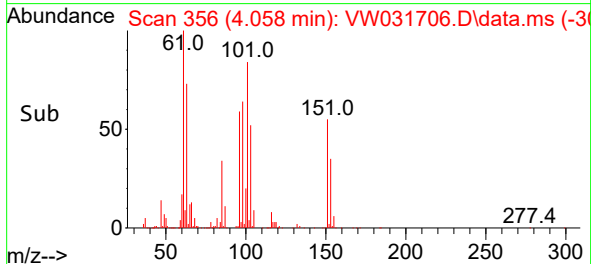
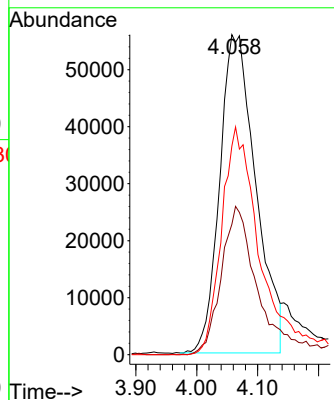
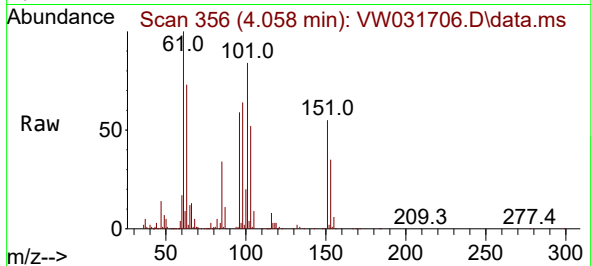




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.09 ug/L
 RT: 4.058 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

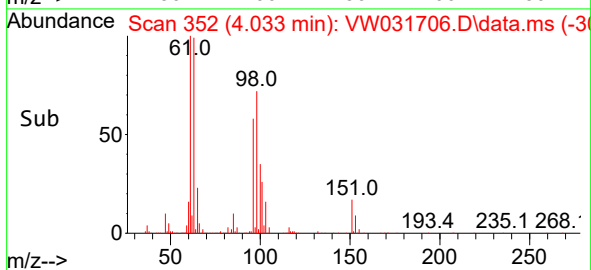
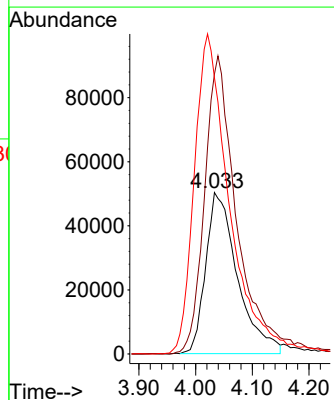
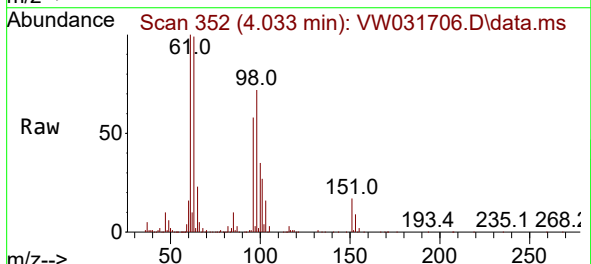
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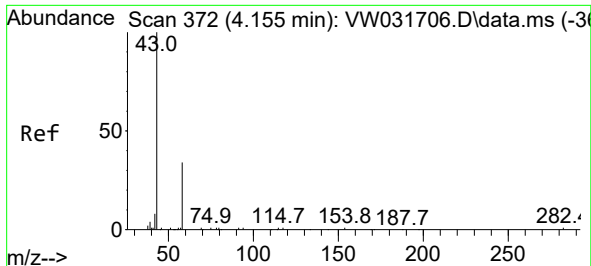
Tgt Ion: 101 Resp: 230080
 Ion Ratio Lower Upper
 101 100
 85 46.0 31.8 47.6
 151 75.4 54.6 82.0



#12
 1,1-Dichloroethene
 Concen: 23.66 ug/L
 RT: 4.033 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

Tgt Ion: 96 Resp: 195719
 Ion Ratio Lower Upper
 96 100
 61 173.3 124.5 231.1
 63 171.2 110.2 204.6

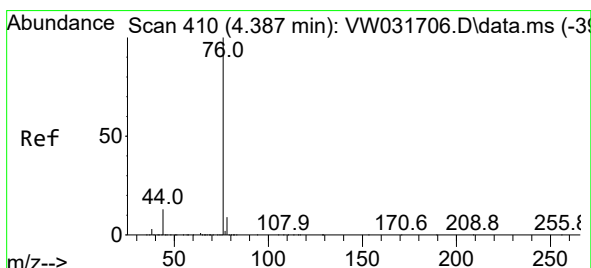
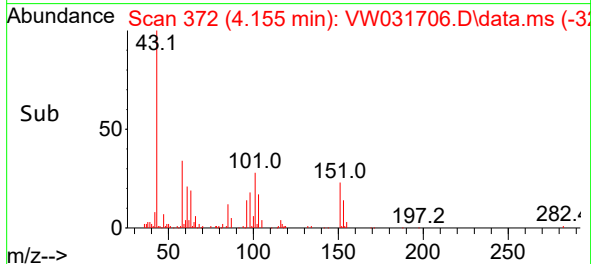
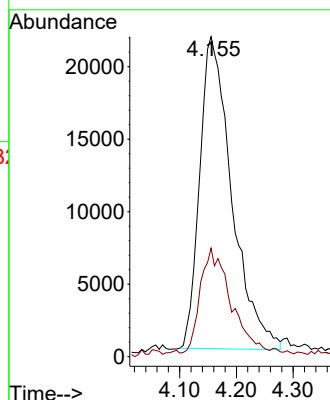
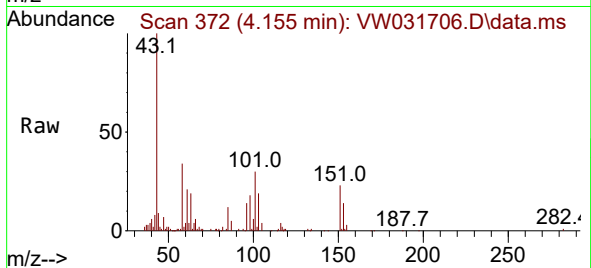




#13
Acetone
Concen: 56.61 ug/L
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

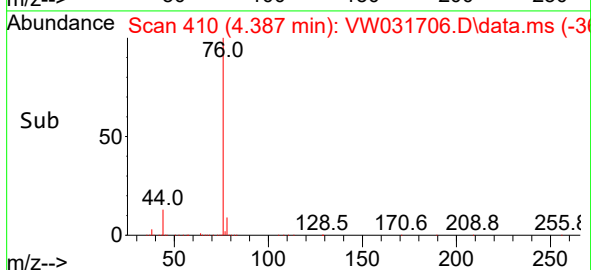
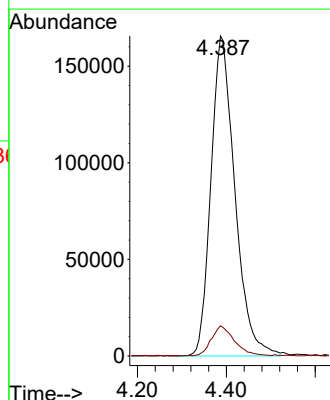
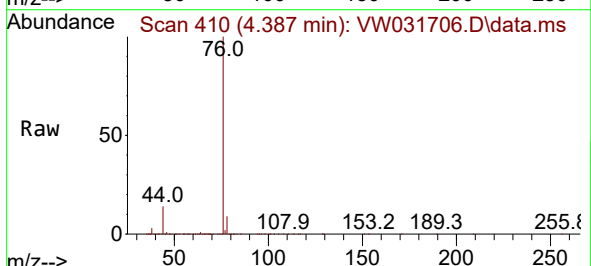
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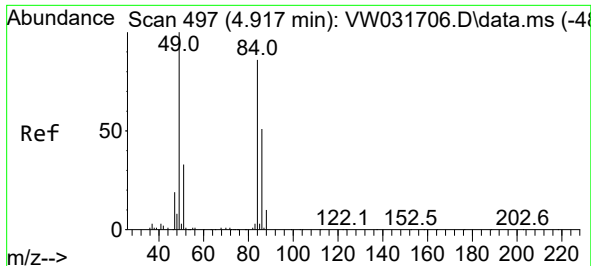
Tgt Ion: 43 Resp: 84674
Ion Ratio Lower Upper
43 100
58 15.3 0.0 66.2



#14
Carbon disulfide
Concen: 24.43 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 76 Resp: 619491
Ion Ratio Lower Upper
76 100
78 9.4 6.9 10.3

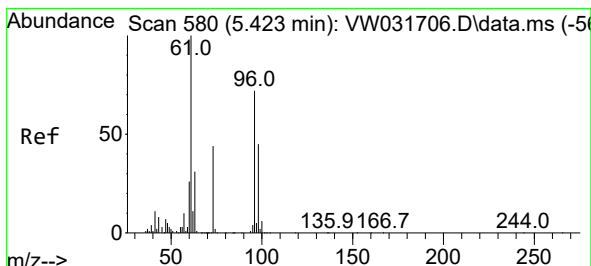
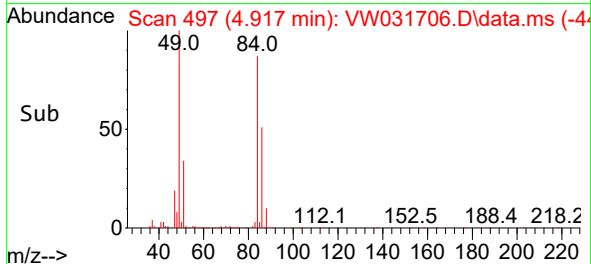
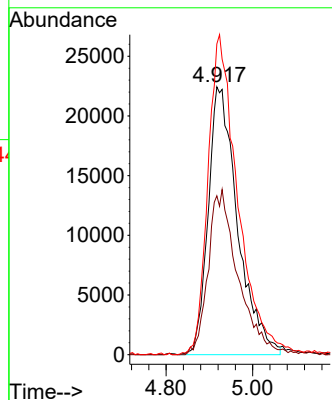
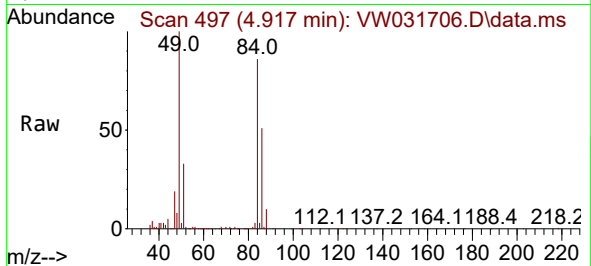




#16
Methylene chloride
Concen: 24.72 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

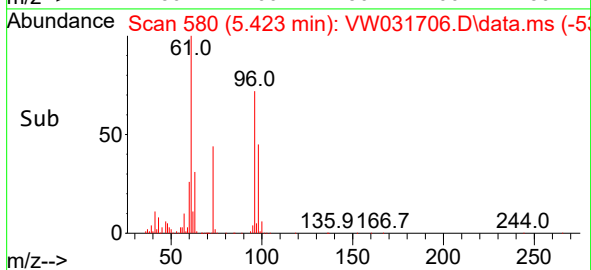
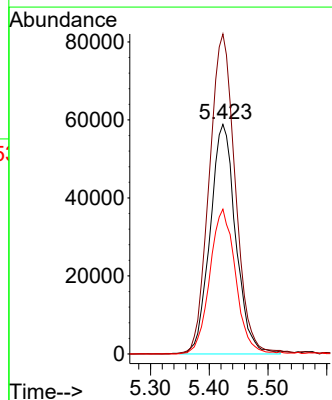
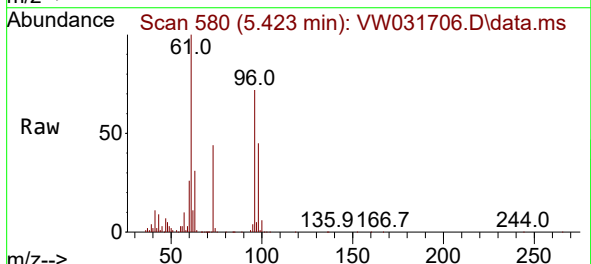
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

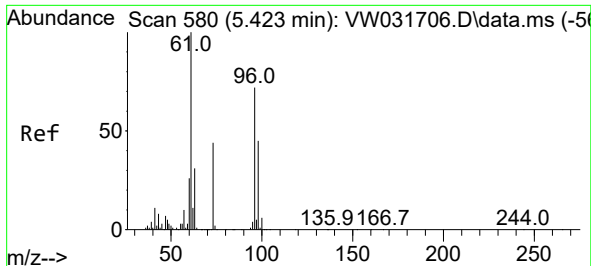
Tgt Ion: 84 Resp: 105990
Ion Ratio Lower Upper
84 100
86 59.3 44.2 82.2
49 116.0 85.1 158.1



#17
trans-1,2-Dichloroethene
Concen: 25.26 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 96 Resp: 177962
Ion Ratio Lower Upper
96 100
61 139.3 100.9 187.3
98 63.0 45.0 83.6

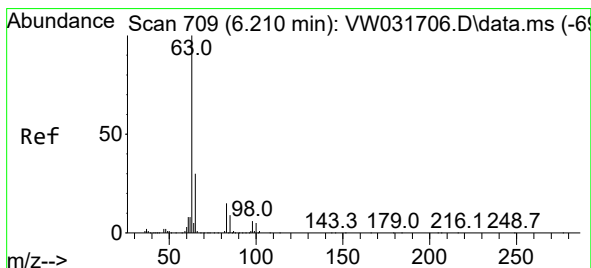
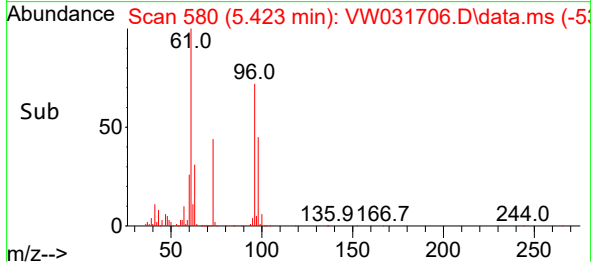
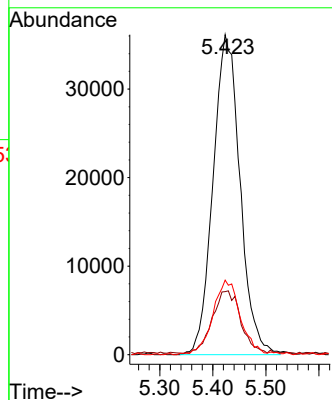
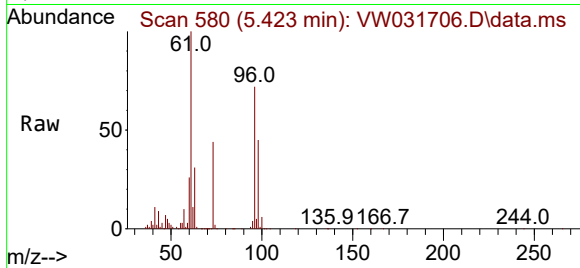




#18
Methyl tert-butyl Ether
Concen: 25.55 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

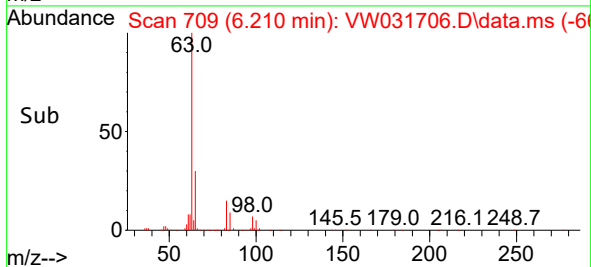
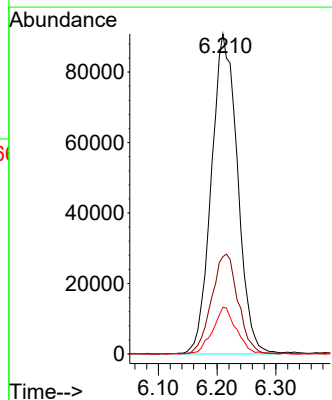
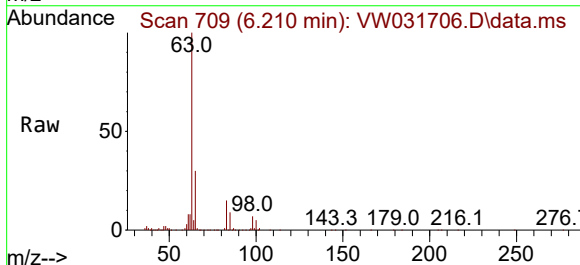
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

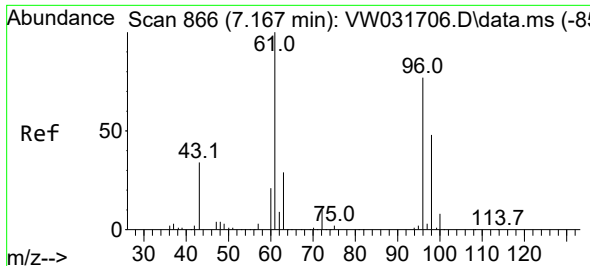
Tgt Ion: 73 Resp: 127576
Ion Ratio Lower Upper
73 100
43 20.9 15.4 23.2
57 23.5 8.5 12.7#



#19
1,1-Dichloroethane
Concen: 25.69 ug/L
RT: 6.210 min Scan# 709
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 63 Resp: 281001
Ion Ratio Lower Upper
63 100
65 30.4 21.6 40.0
83 14.6 9.4 17.4

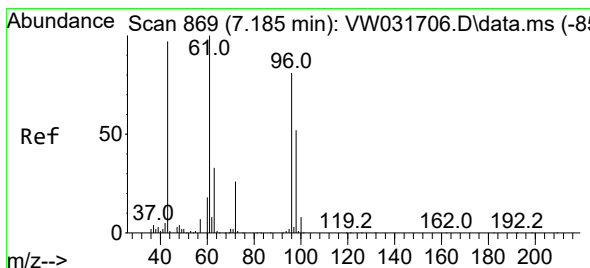
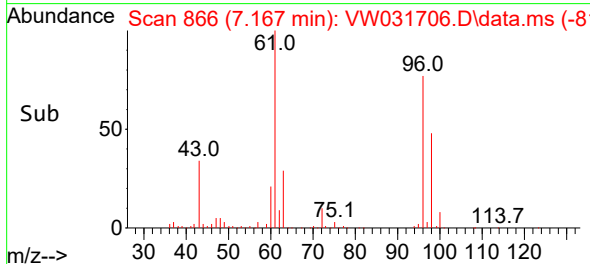
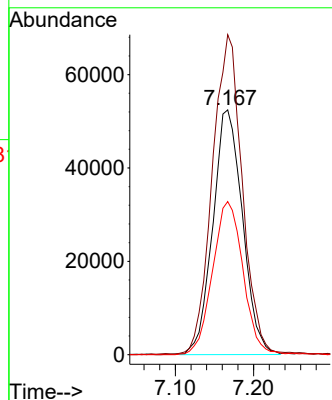
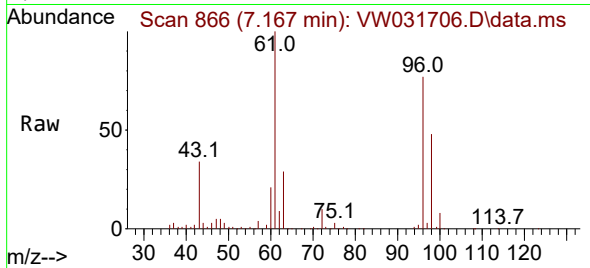




#20
 cis-1,2-Dichloroethene
 Concen: 25.51 ug/L
 RT: 7.167 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

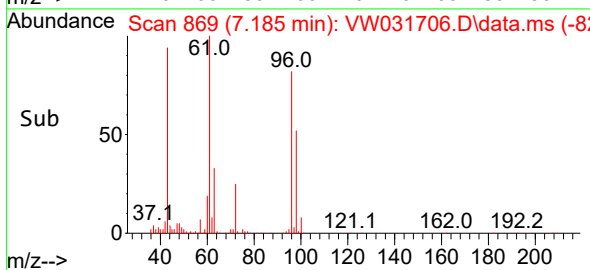
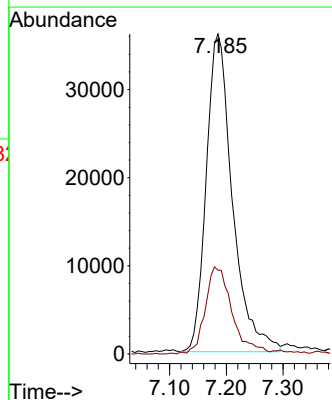
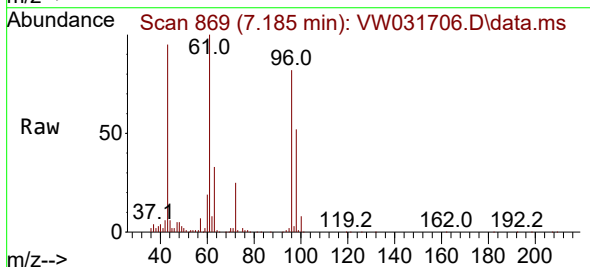
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025499

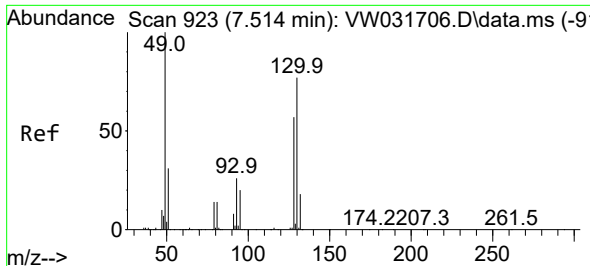
Tgt Ion: 96 Resp: 137975
 Ion Ratio Lower Upper
 96 100
 61 130.7 84.8 157.6
 98 62.6 42.4 78.6



#22
 2-Butanone
 Concen: 53.28 ug/L
 RT: 7.185 min Scan# 869
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

Tgt Ion: 43 Resp: 115678
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.7 41.1

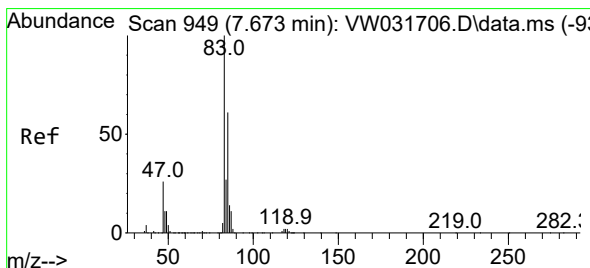
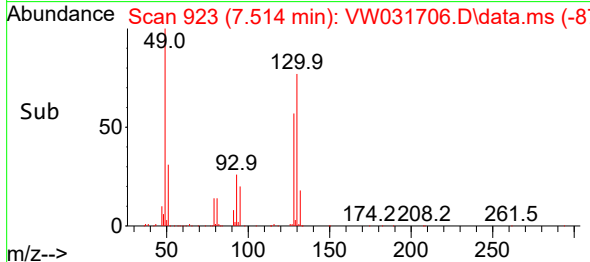
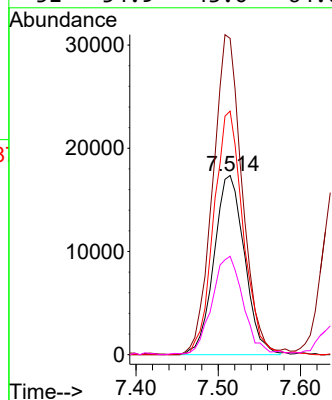
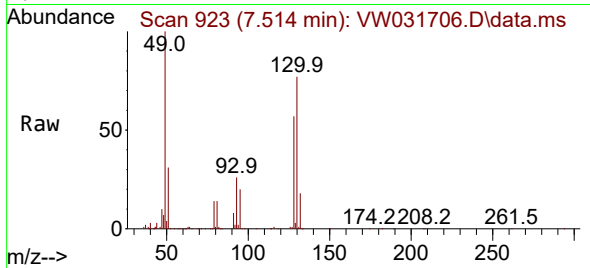




#23
Bromochloromethane
Concen: 25.52 ug/L
RT: 7.514 min Scan# 912
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

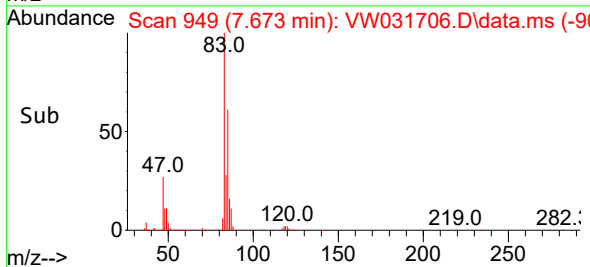
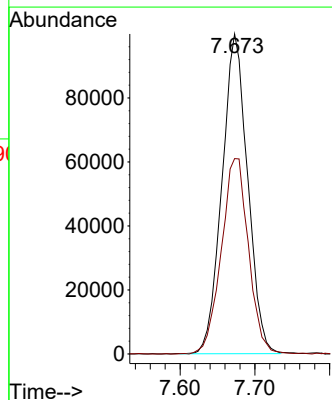
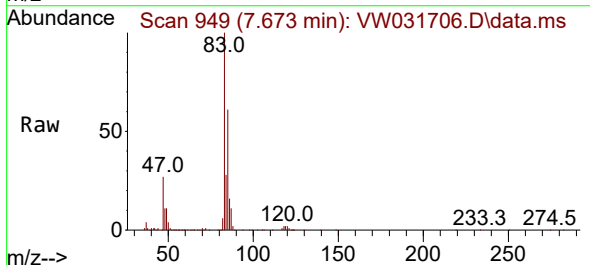
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

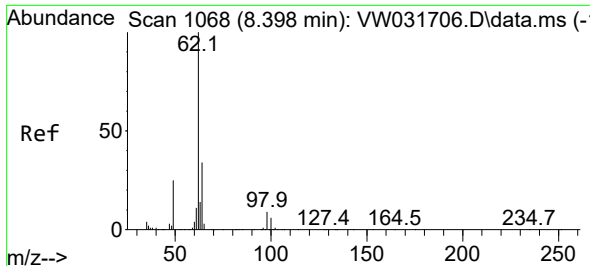
Tgt Ion:128 Resp: 44751
Ion Ratio Lower Upper
128 100
49 176.5 125.1 232.3
130 135.9 83.9 155.7
51 54.9 43.0 64.6



#25
Chloroform
Concen: 25.34 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 83 Resp: 238181
Ion Ratio Lower Upper
83 100
85 61.0 43.2 80.2

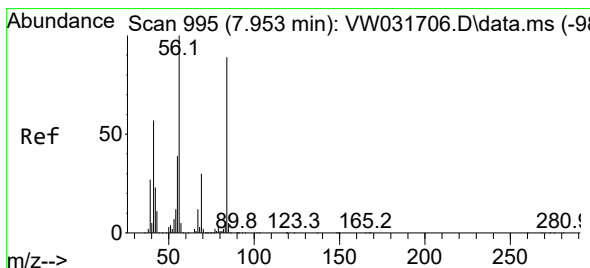
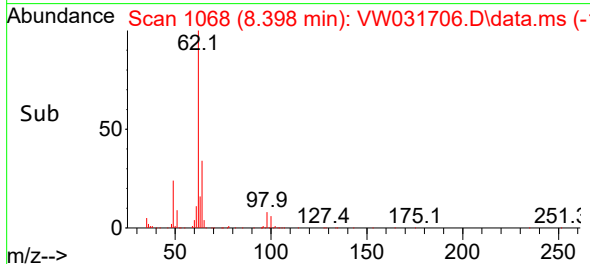
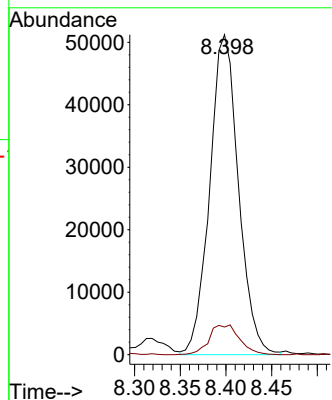
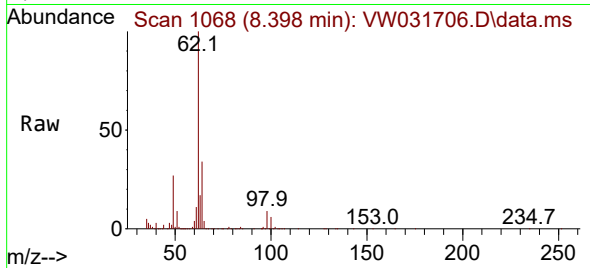




#27
1,2-Dichloroethane
Concen: 25.75 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

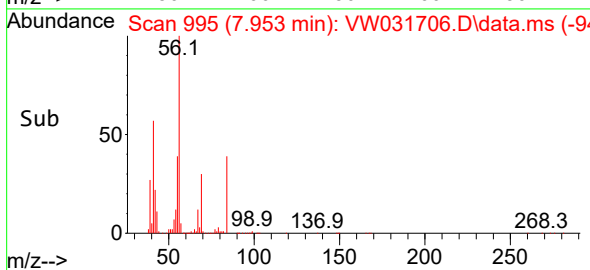
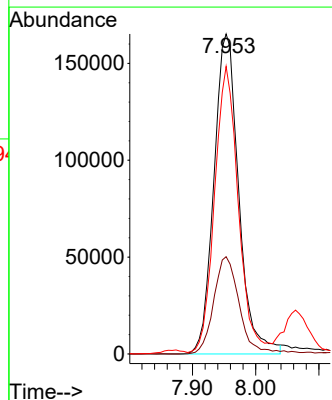
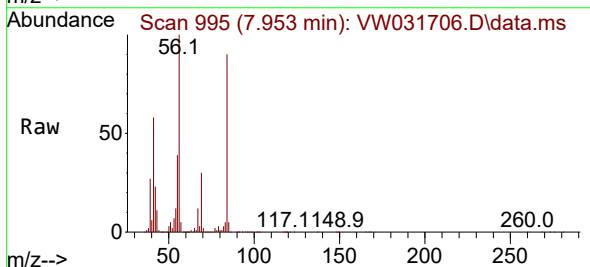
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

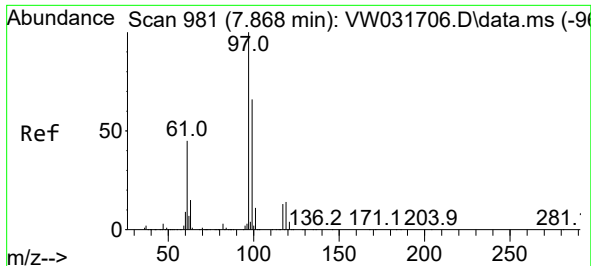
Tgt Ion: 62 Resp: 112145
Ion Ratio Lower Upper
62 100
98 8.7 8.0 12.0



#29
Cyclohexane
Concen: 23.24 ug/L
RT: 7.953 min Scan# 995
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 56 Resp: 450112
Ion Ratio Lower Upper
56 100
69 30.2 24.9 37.3
84 85.8 68.2 102.4





#30

1,1,1-Trichloroethane

Concen: 24.88 ug/L

RT: 7.868 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

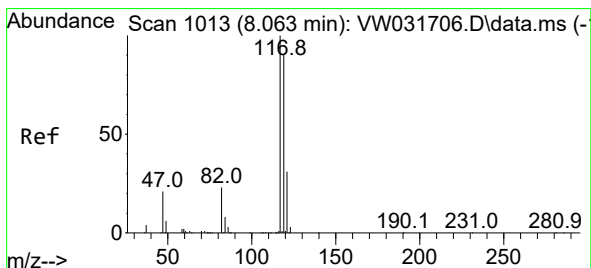
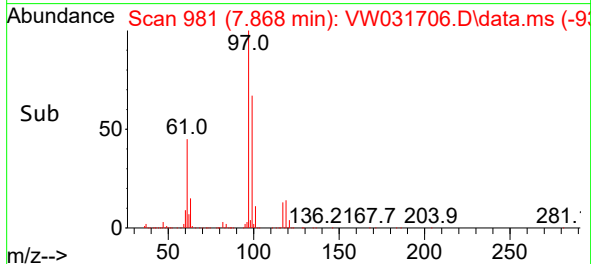
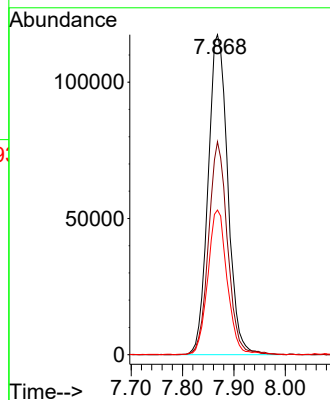
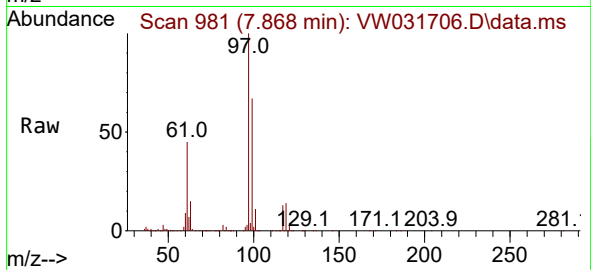
Tgt Ion: 97 Resp: 312800

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 44.7 36.4 54.6



#31

Carbon tetrachloride

Concen: 24.75 ug/L

RT: 8.063 min Scan# 1013

Delta R.T. 0.000 min

Lab File: VW031706.D

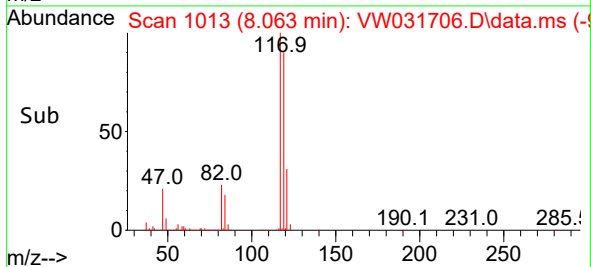
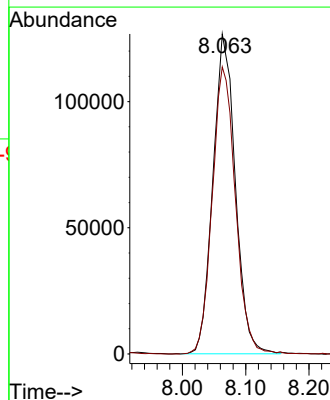
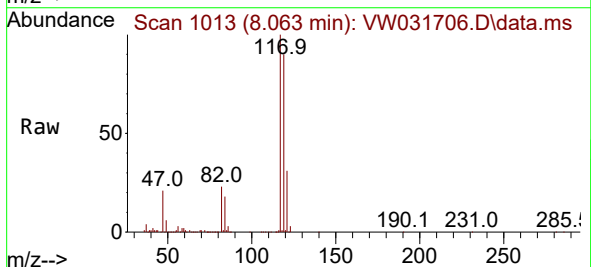
Acq: 22 May 2025 08:28

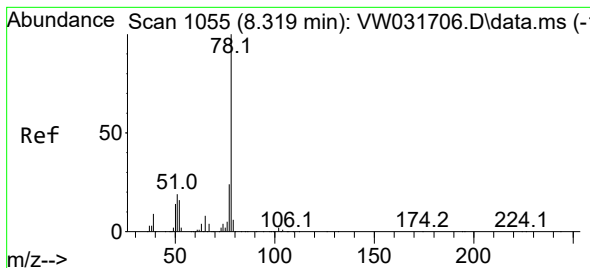
Tgt Ion: 117 Resp: 311347

Ion Ratio Lower Upper

117 100

119 92.8 76.5 114.7





#33

Benzene

Concen: 25.65 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

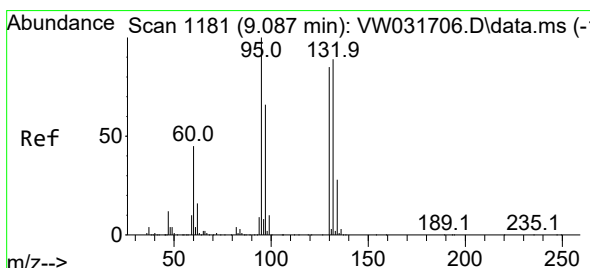
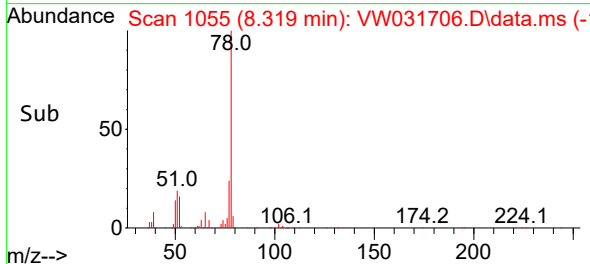
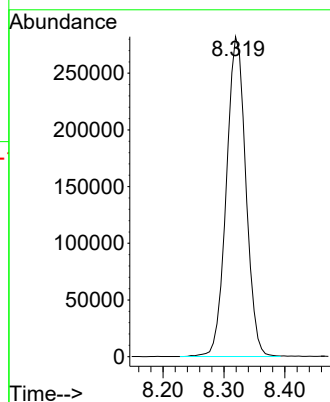
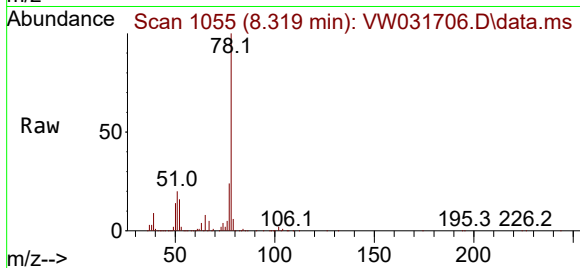
Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

Tgt Ion: 78 Resp: 627577



#34

Trichloroethene

Concen: 24.41 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Tgt Ion: 95 Resp: 196140

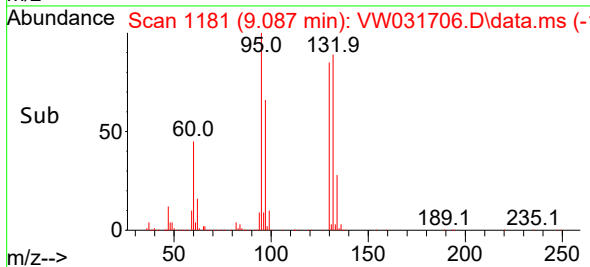
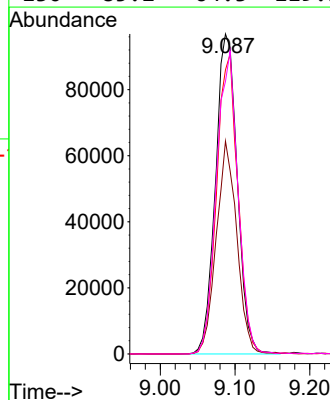
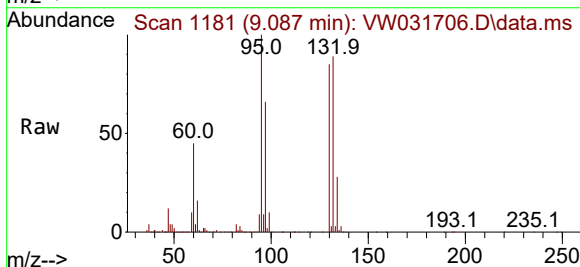
Ion Ratio Lower Upper

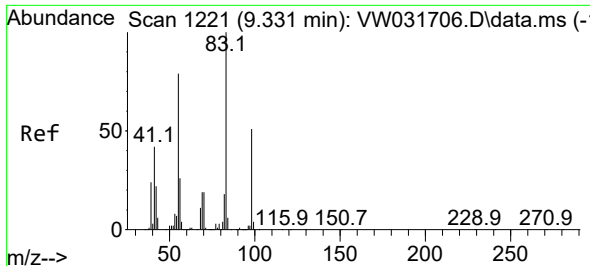
95 100

97 66.5 46.0 85.4

132 88.8 63.8 118.4

130 85.2 64.3 119.3

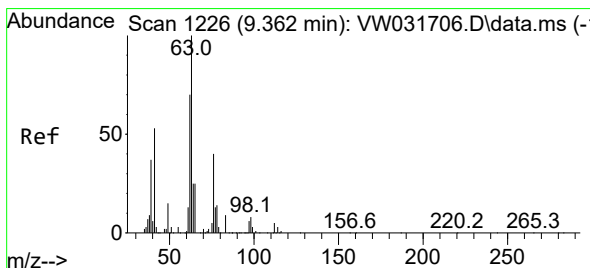
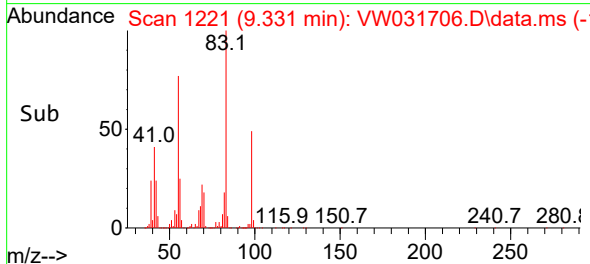
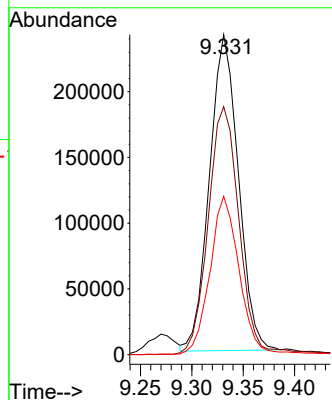
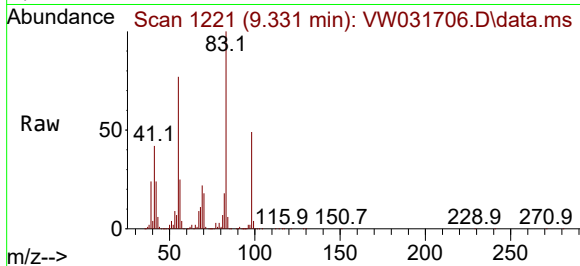




#35
Methylcyclohexane
Concen: 22.17 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

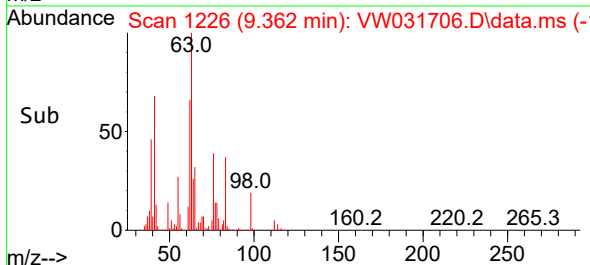
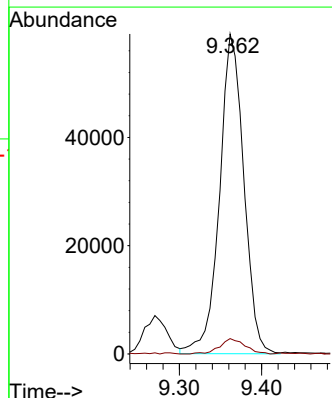
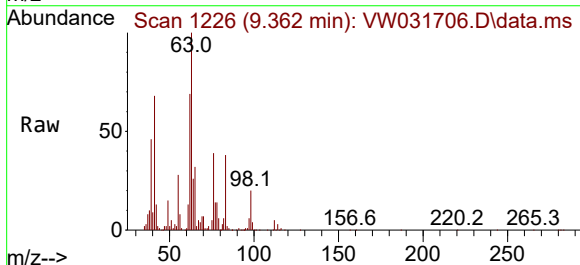
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

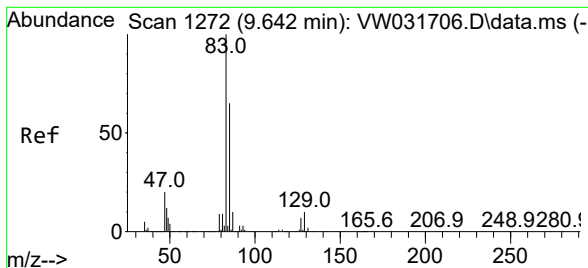
Tgt Ion: 83 Resp: 469887
Ion Ratio Lower Upper
83 100
55 84.1 63.1 94.7
98 51.5 37.6 56.4



#37
1,2-Dichloropropane
Concen: 25.58 ug/L
RT: 9.362 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 63 Resp: 121466
Ion Ratio Lower Upper
63 100
112 4.8 4.0 6.0





#38

Bromodichloromethane

Concen: 25.93 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

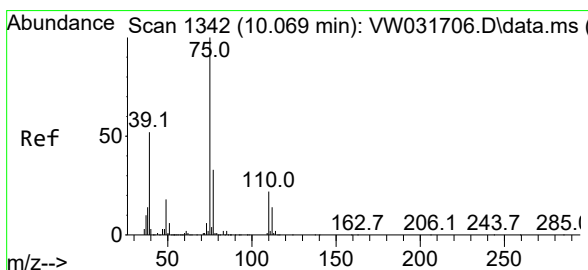
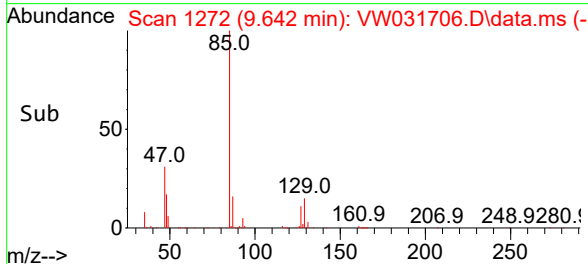
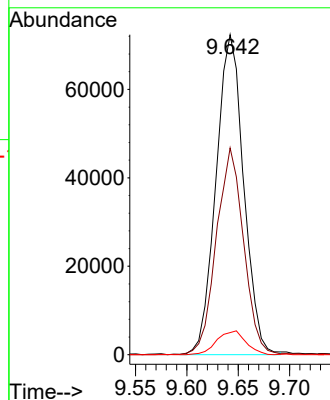
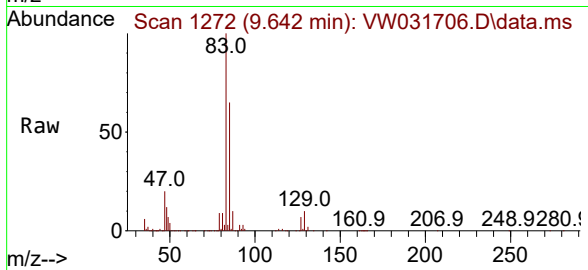
Tgt Ion: 83 Resp: 135448

Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.8

127 6.9 5.8 8.6



#39

cis-1,3-Dichloropropene

Concen: 26.04 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW031706.D

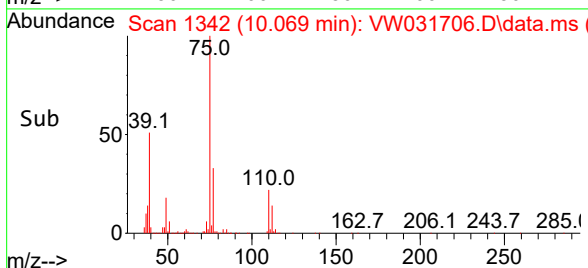
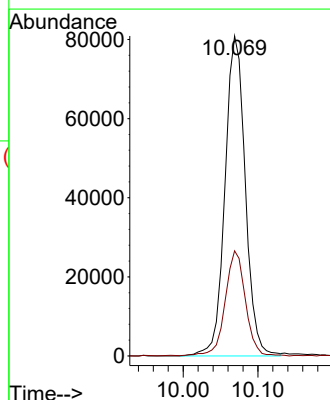
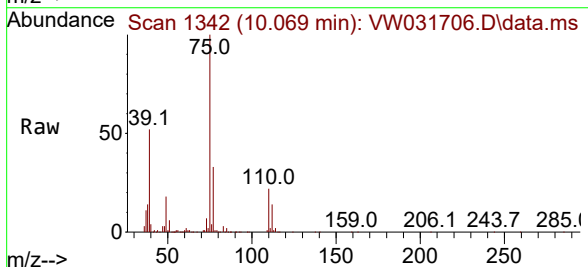
Acq: 22 May 2025 08:28

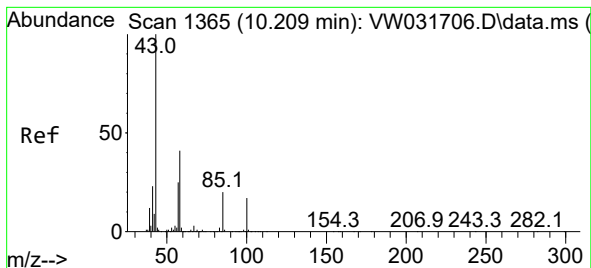
Tgt Ion: 75 Resp: 153043

Ion Ratio Lower Upper

75 100

77 32.9 20.7 38.5

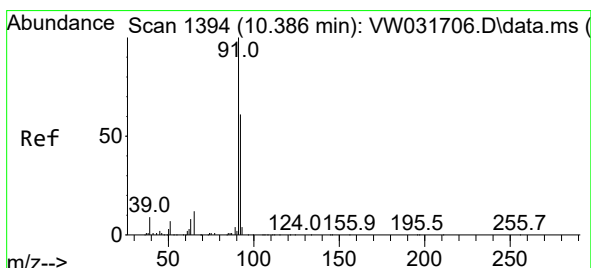
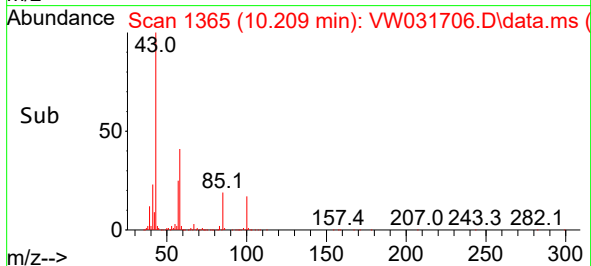
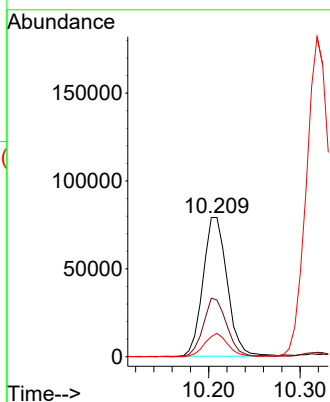
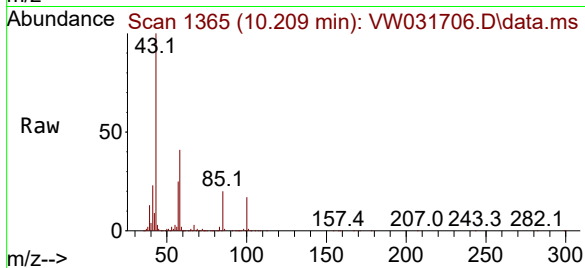




#40
4-Methyl-2-pentanone
Concen: 49.98 ug/L
RT: 10.209 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

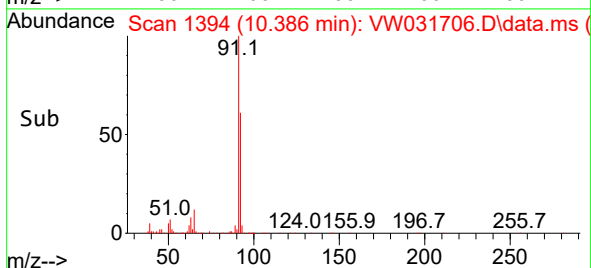
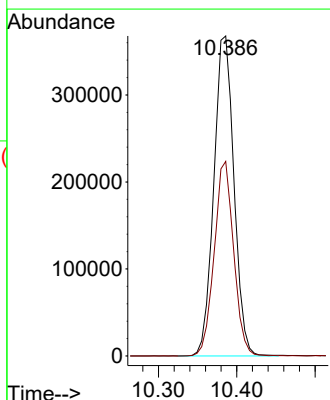
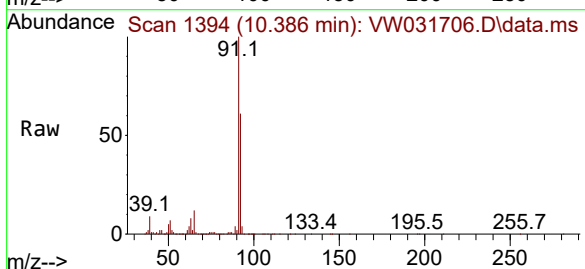
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

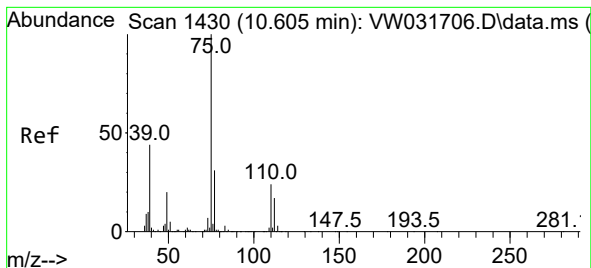
Tgt Ion: 43 Resp: 145354
Ion Ratio Lower Upper
43 100
58 40.8 31.0 46.6
100 16.1 11.9 17.9



#42
Toluene
Concen: 25.28 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 91 Resp: 657040
Ion Ratio Lower Upper
91 100
92 60.8 40.3 74.8

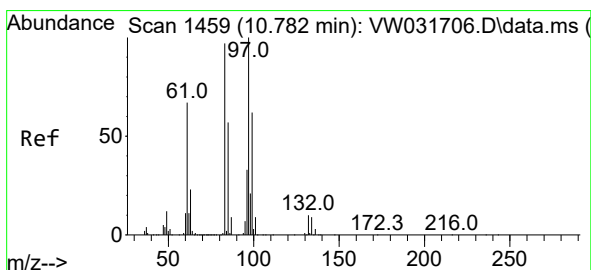
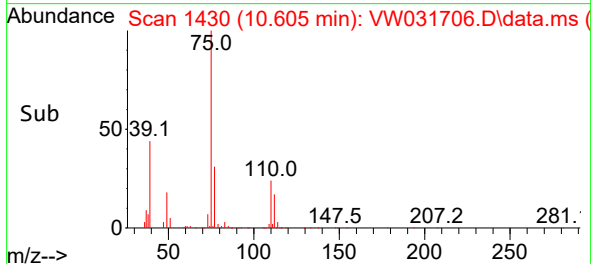
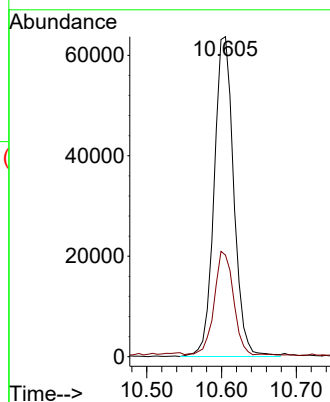
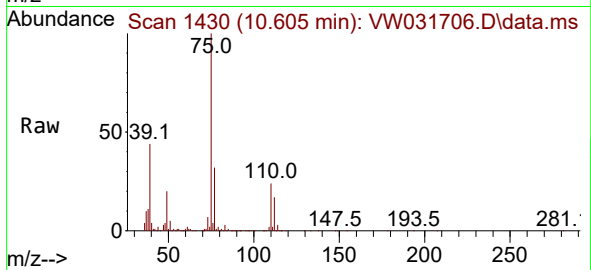




#44
trans-1,3-Dichloropropene
Concen: 26.42 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

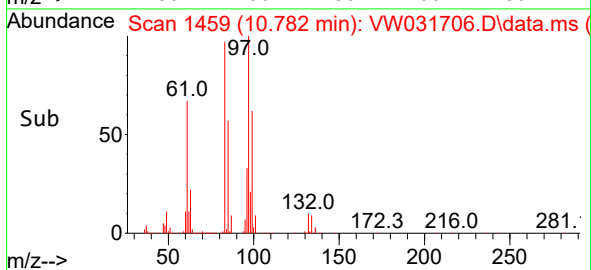
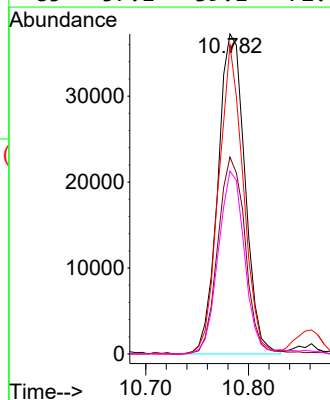
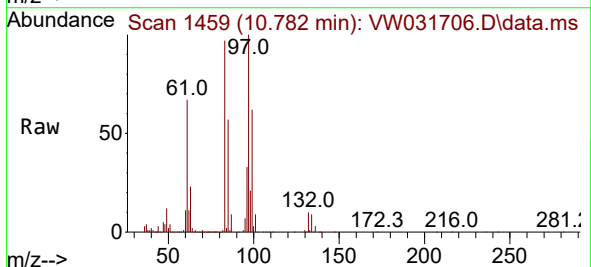
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

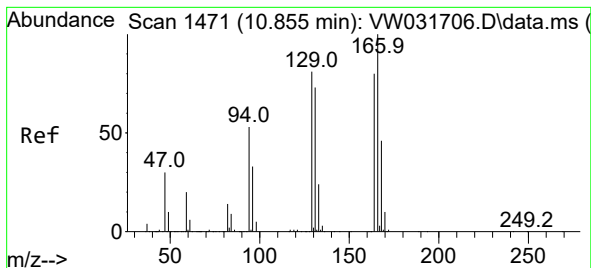
Tgt Ion: 75 Resp: 116435
Ion Ratio Lower Upper
75 100
77 31.8 22.1 41.1



#45
1,1,2-Trichloroethane
Concen: 25.15 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 97 Resp: 68140
Ion Ratio Lower Upper
97 100
99 61.5 42.6 79.2
83 96.7 55.7 103.5
85 57.1 39.1 72.7





#46

Tetrachloroethene

Concen: 23.45 ug/L

RT: 10.855 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

Tgt Ion:164 Resp: 157721

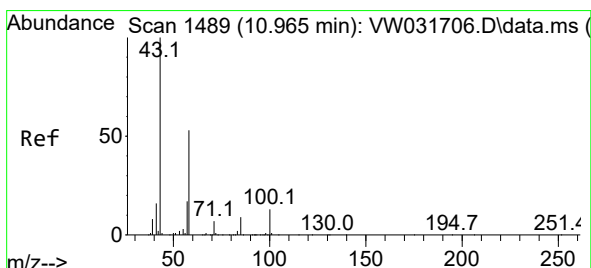
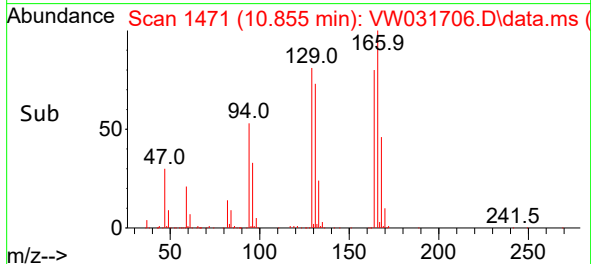
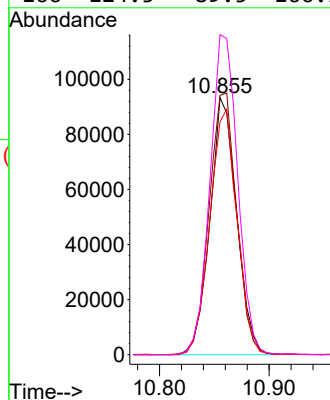
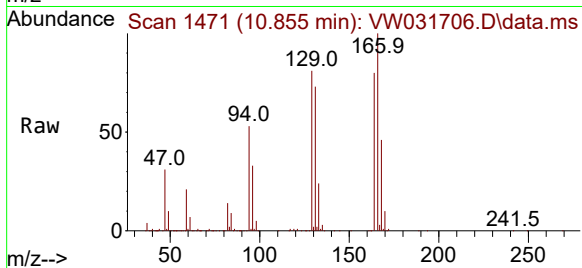
Ion Ratio Lower Upper

164 100

129 100.9 72.2 134.0

131 90.7 66.6 123.8

166 124.5 89.5 166.3



#48

2-Hexanone

Concen: 52.92 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Tgt Ion: 43 Resp: 122221

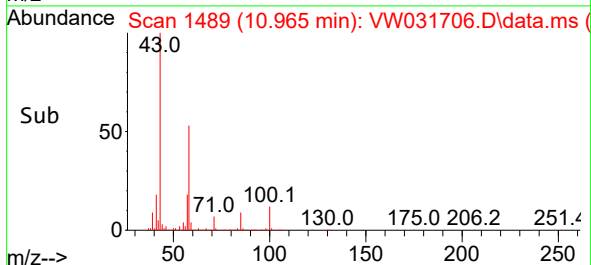
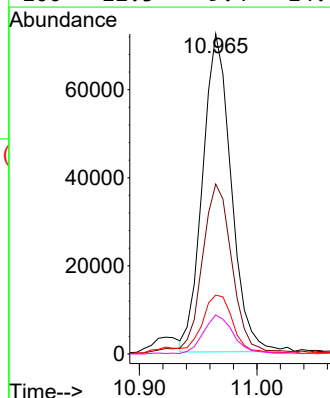
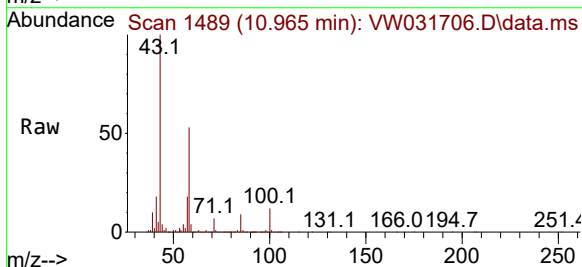
Ion Ratio Lower Upper

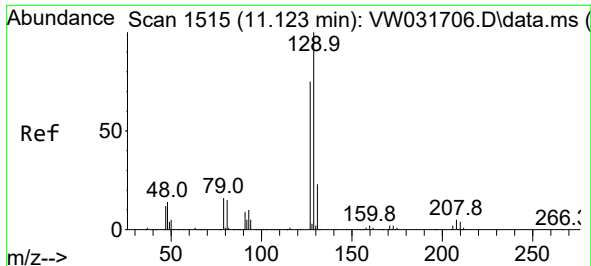
43 100

58 53.2 43.6 65.4

57 20.1 15.4 23.0

100 12.5 9.4 14.0

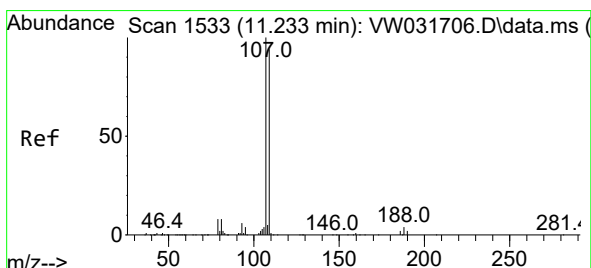
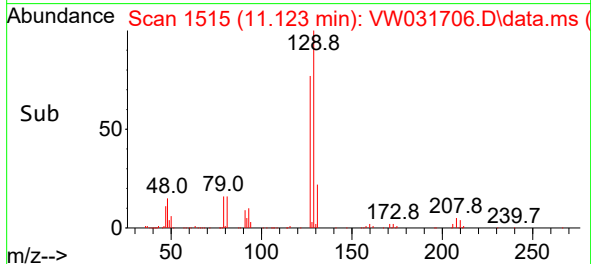
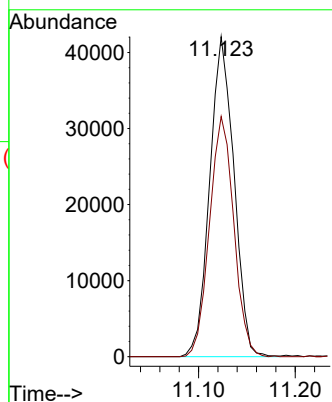
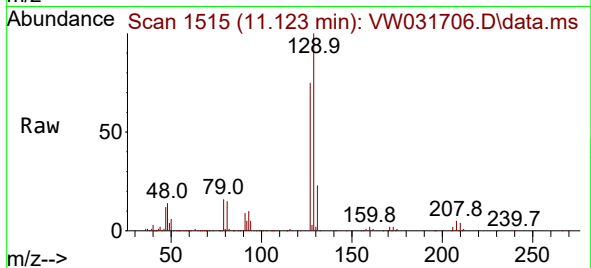




#49
Dibromochloromethane
Concen: 26.78 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

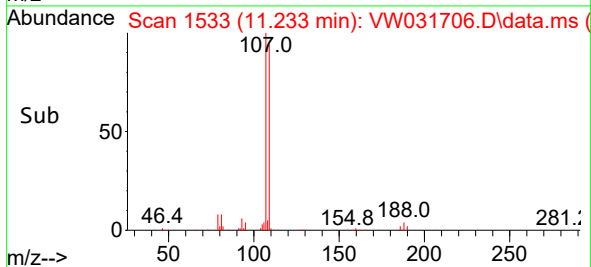
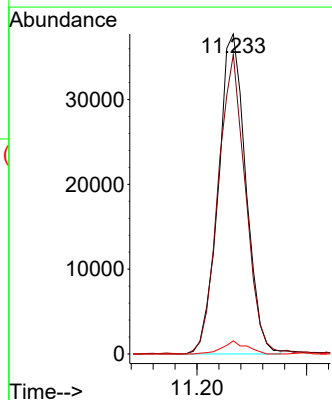
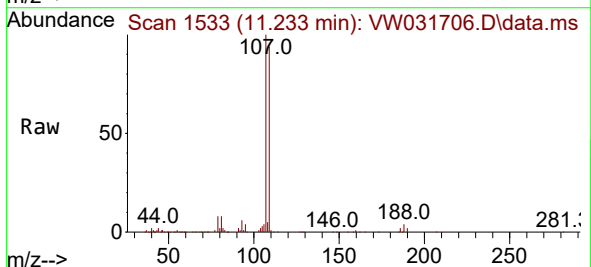
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

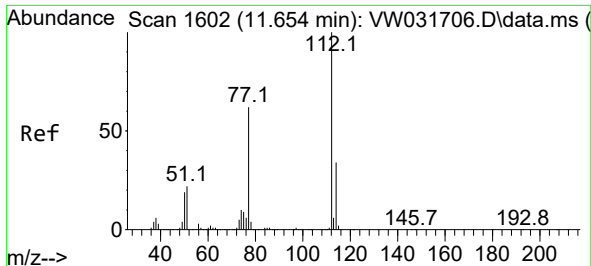
Tgt Ion:129 Resp: 73262
Ion Ratio Lower Upper
129 100
127 75.1 59.7 110.9



#50
1,2-Dibromoethane
Concen: 25.86 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion:107 Resp: 65845
Ion Ratio Lower Upper
107 100
109 93.6 65.0 120.8
188 4.1 2.2 3.2#

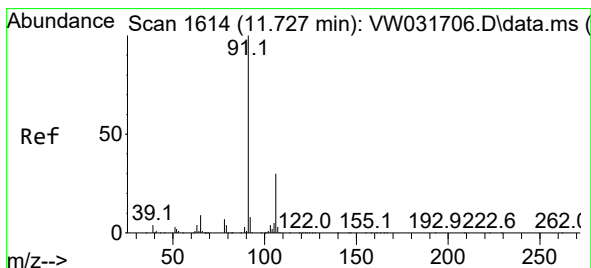
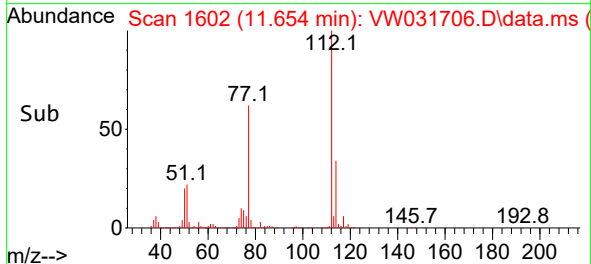
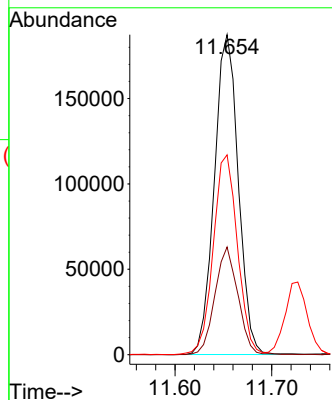
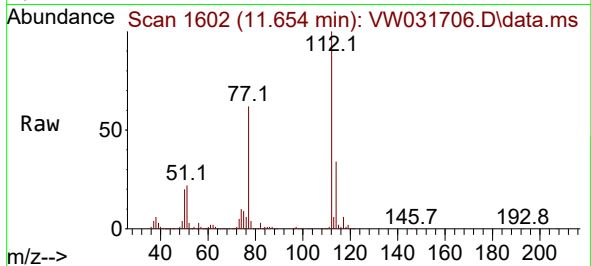




#51
Chlorobenzene
Concen: 24.85 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

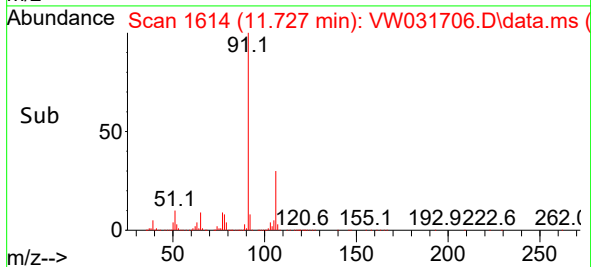
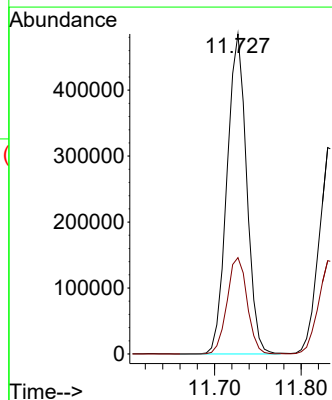
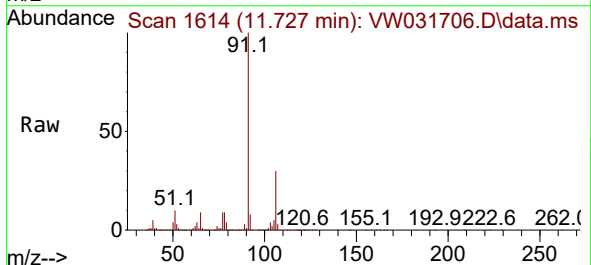
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

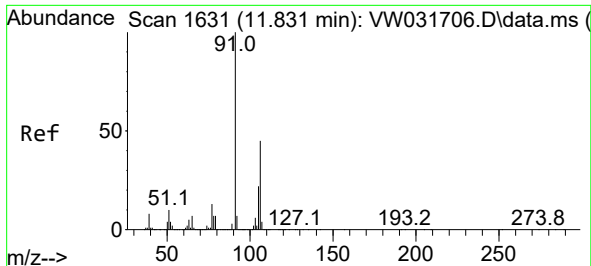
Tgt Ion:112 Resp: 321833
Ion Ratio Lower Upper
112 100
114 33.7 22.6 42.0
77 62.5 50.3 75.5



#52
Ethylbenzene
Concen: 24.40 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 91 Resp: 762427
Ion Ratio Lower Upper
91 100
106 30.1 21.3 39.6

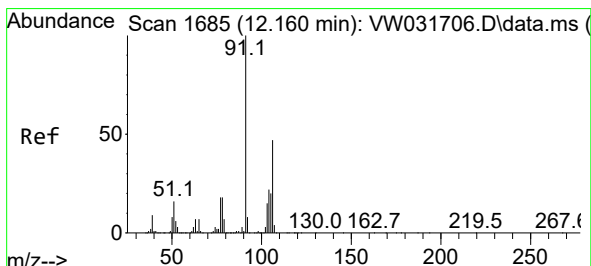
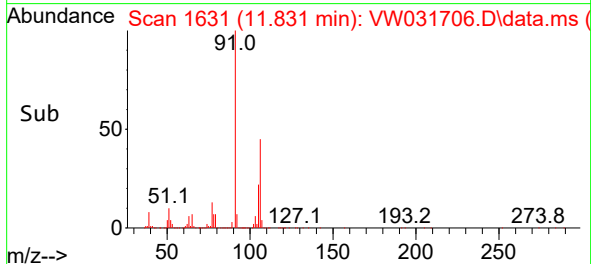
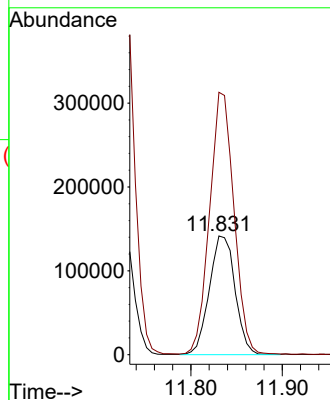
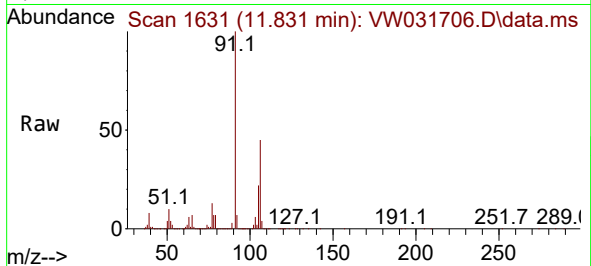




#53
m,p-Xylene
Concen: 24.63 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

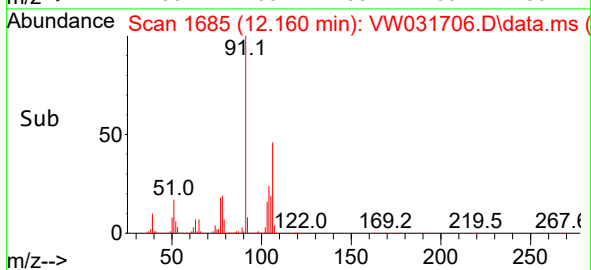
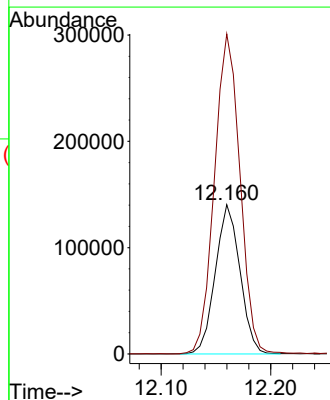
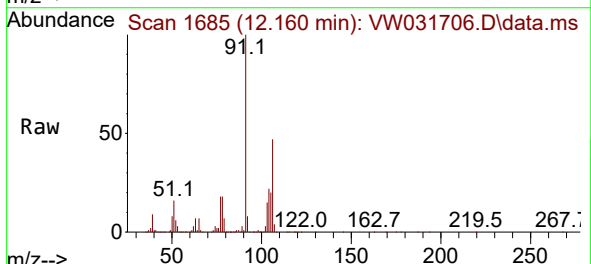
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

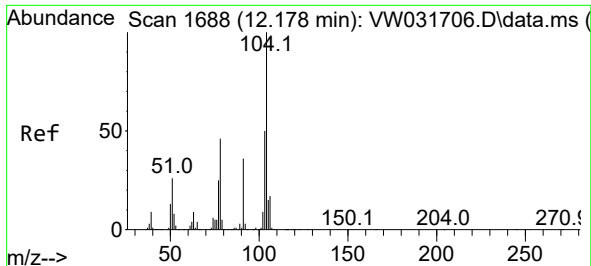
Tgt Ion:106 Resp: 277057
Ion Ratio Lower Upper
106 100
91 221.2 138.9 257.9



#54
o-Xylene
Concen: 24.80 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion:106 Resp: 219482
Ion Ratio Lower Upper
106 100
91 214.4 147.4 273.8

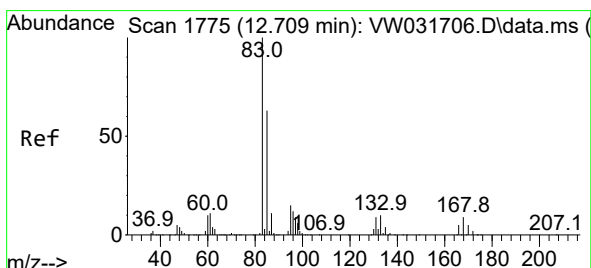
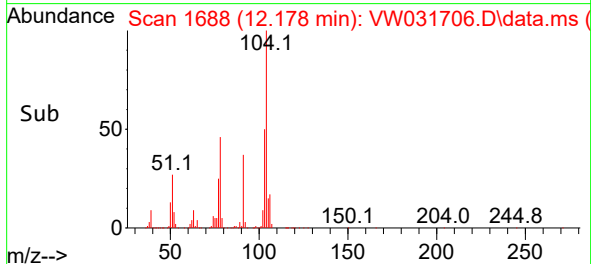
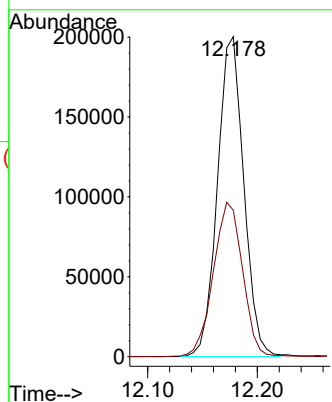
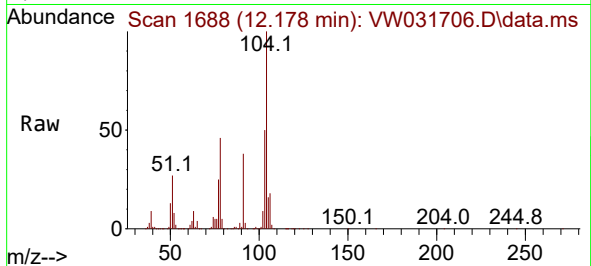




#55
Styrene
Concen: 26.16 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

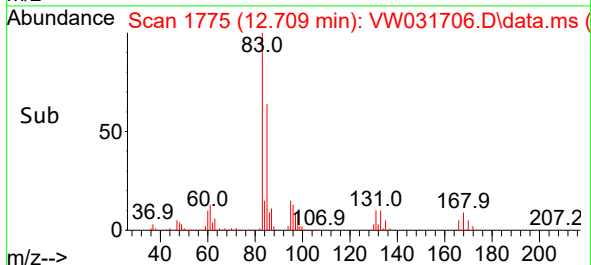
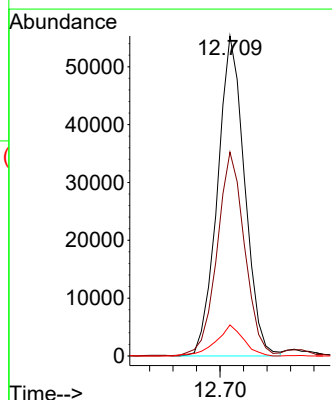
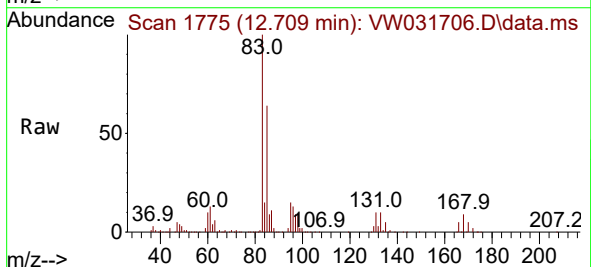
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

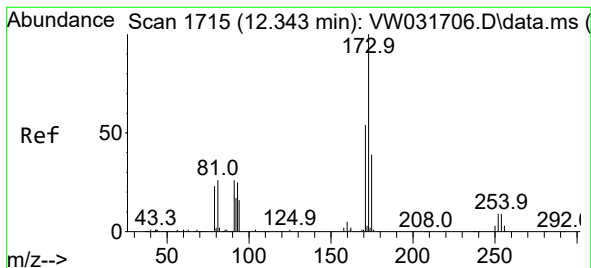
Tgt Ion:104 Resp: 333797
Ion Ratio Lower Upper
104 100
78 45.7 32.1 59.5



#57
1,1,2,2-Tetrachloroethane
Concen: 25.30 ug/L
RT: 12.709 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion: 83 Resp: 88893
Ion Ratio Lower Upper
83 100
85 63.7 44.2 82.2
131 9.7 7.4 11.2





#59

Bromoform

Concen: 26.91 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

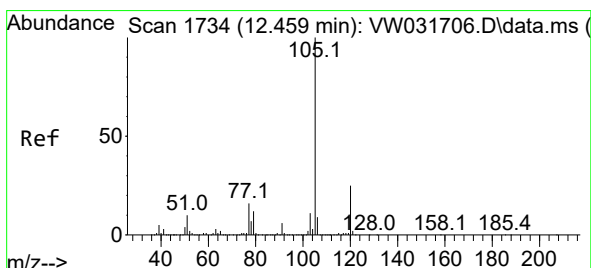
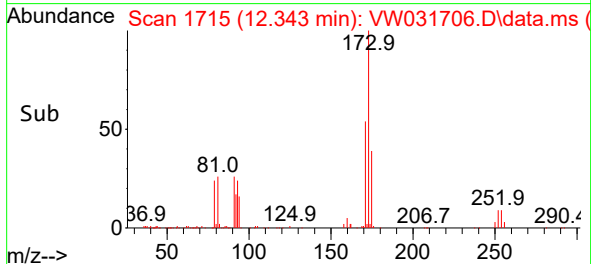
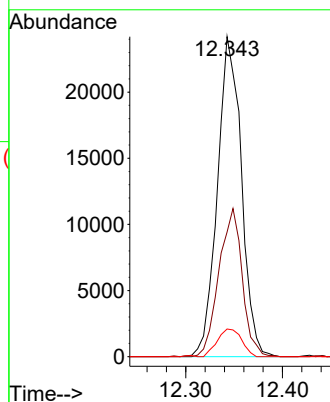
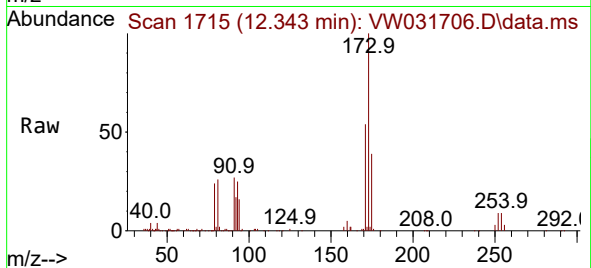
Tgt Ion:173 Resp: 41665

Ion Ratio Lower Upper

173 100

175 45.0 38.1 57.1

254 8.8 5.5 8.3#



#60

Isopropylbenzene

Concen: 23.30 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

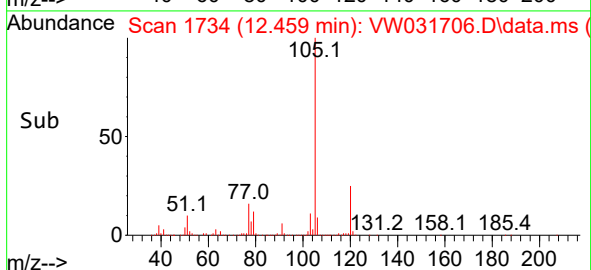
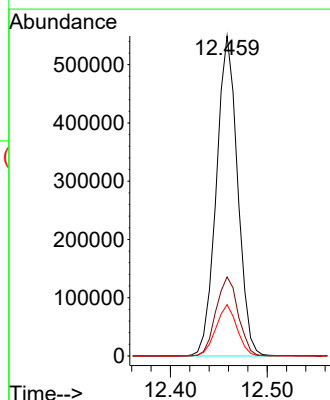
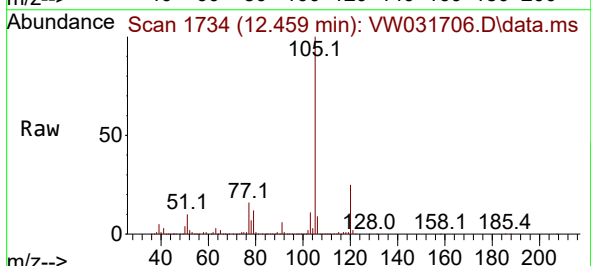
Tgt Ion:105 Resp: 836744

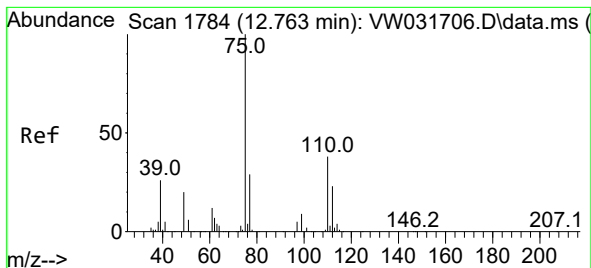
Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

77 15.8 13.3 19.9





#61

1,2,3-Trichloropropane

Concen: 24.02 ug/L

RT: 12.763 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

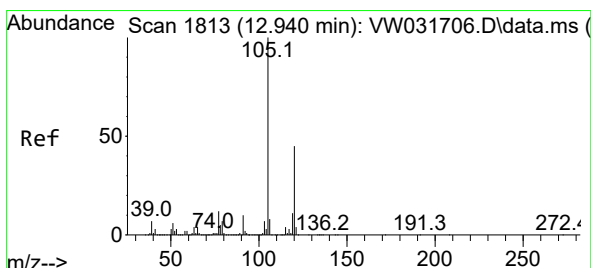
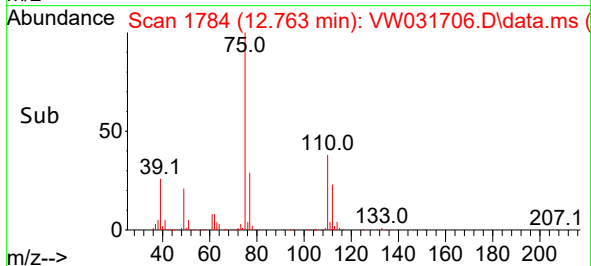
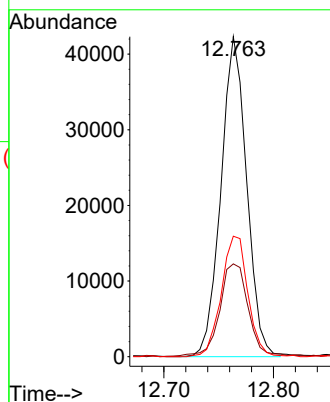
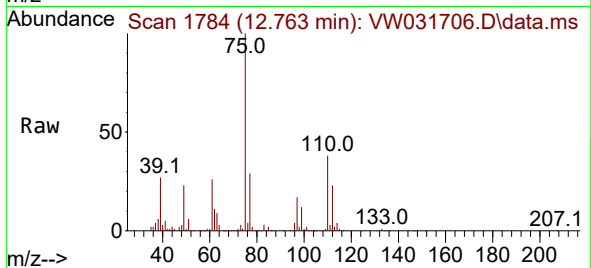
Tgt Ion: 75 Resp: 69029

Ion Ratio Lower Upper

75 100

77 32.2 28.4 42.6

110 38.8 30.9 46.3



#62

1,3,5-Trimethylbenzene

Concen: 23.34 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031706.D

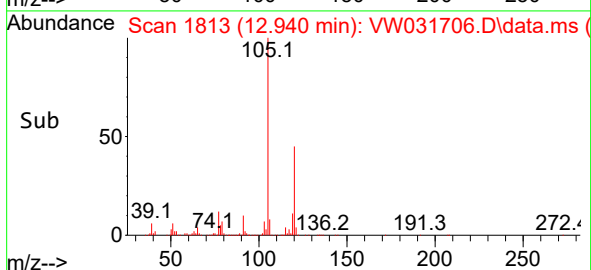
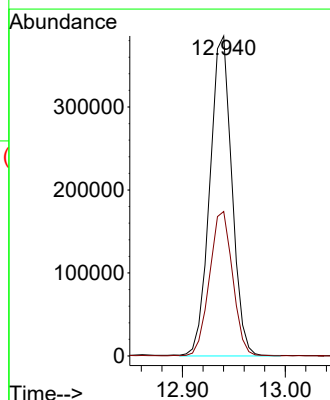
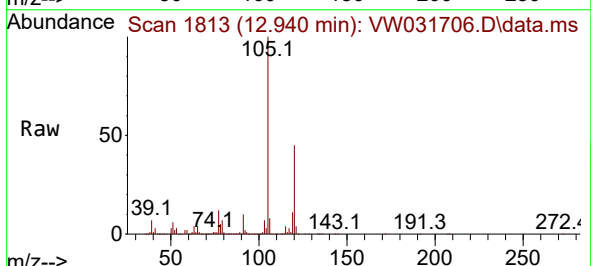
Acq: 22 May 2025 08:28

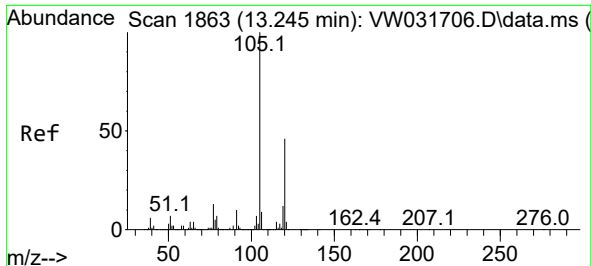
Tgt Ion: 105 Resp: 573602

Ion Ratio Lower Upper

105 100

120 47.1 38.2 57.2

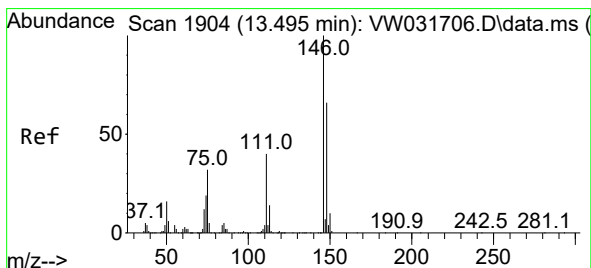
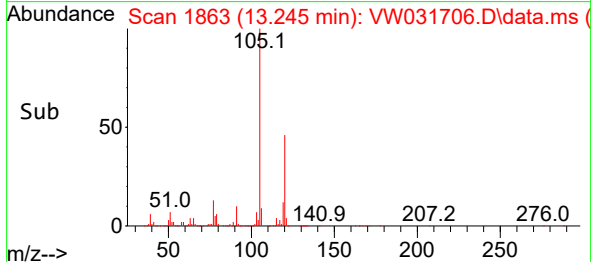
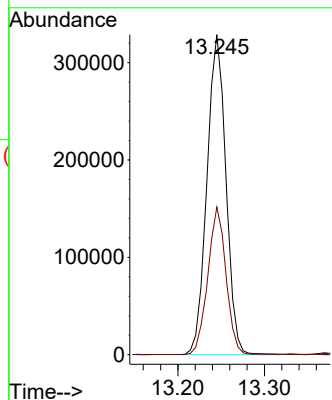
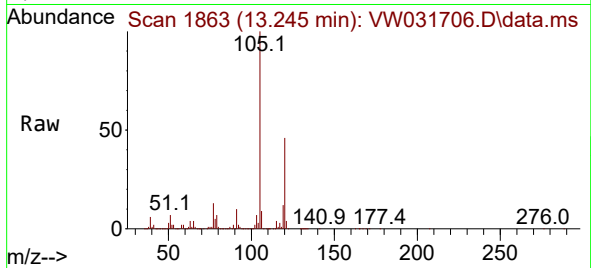




#63
1,2,4-Trimethylbenzene
Concen: 23.97 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

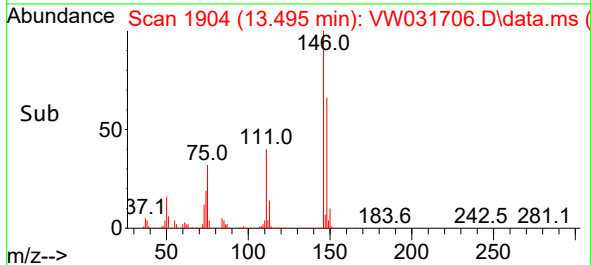
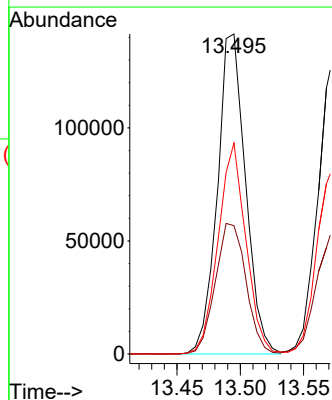
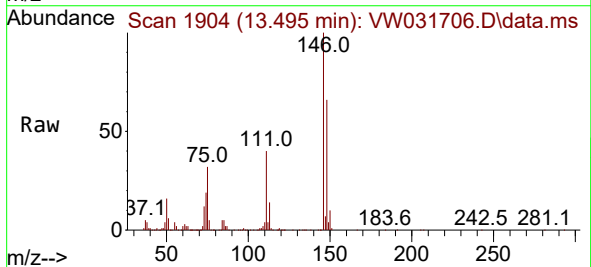
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

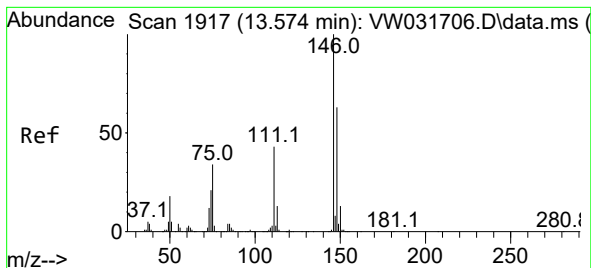
Tgt Ion:105 Resp: 500985
Ion Ratio Lower Upper
105 100
120 44.0 35.4 53.2



#64
1,3-Dichlorobenzene
Concen: 23.14 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion:146 Resp: 219230
Ion Ratio Lower Upper
146 100
111 40.1 29.5 54.9
148 65.9 45.7 84.9





#65

1,4-Dichlorobenzene

Concen: 24.09 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

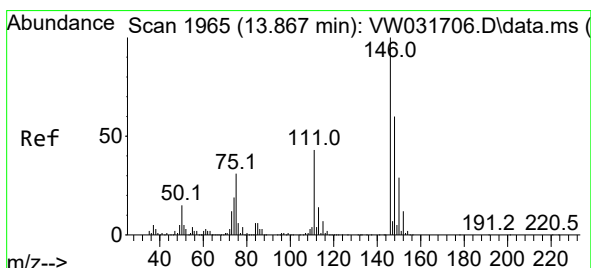
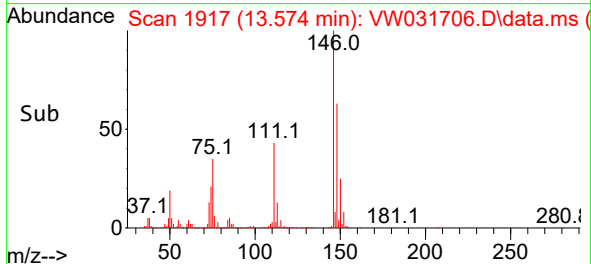
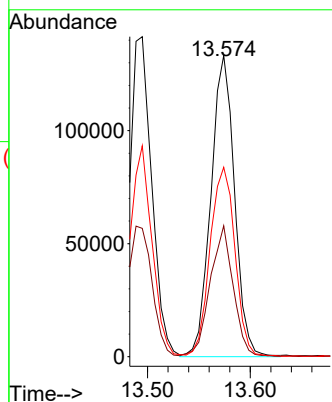
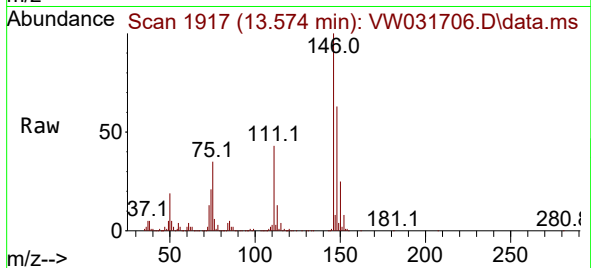
Tgt Ion:146 Resp: 212786

Ion Ratio Lower Upper

146 100

111 43.4 27.6 51.2

148 62.9 40.6 75.4



#67

1,2-Dichlorobenzene

Concen: 24.32 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

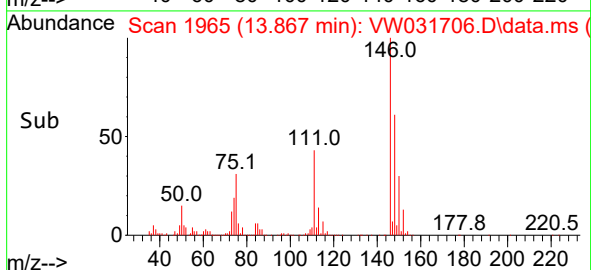
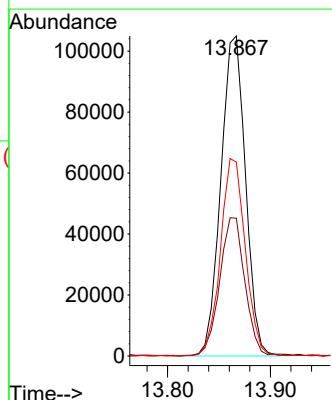
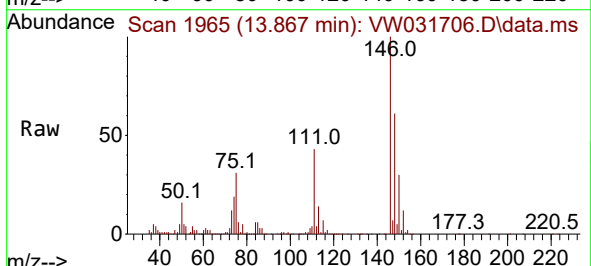
Tgt Ion:146 Resp: 175150

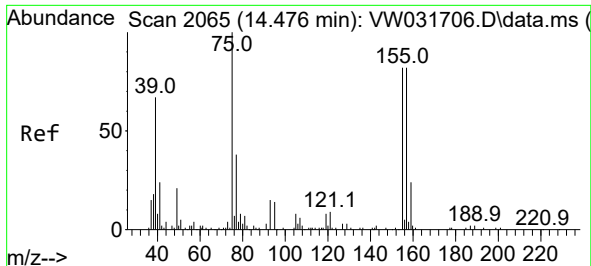
Ion Ratio Lower Upper

146 100

111 43.1 34.2 51.4

148 60.6 43.5 65.3





#68

1,2-Dibromo-3-chloropropane

Concen: 22.12 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025499

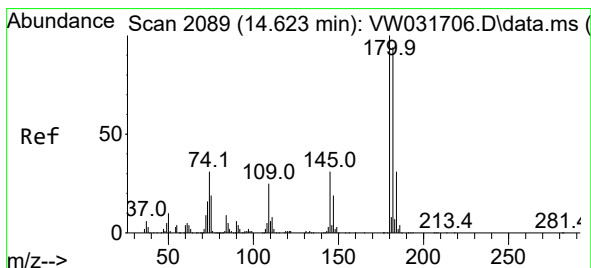
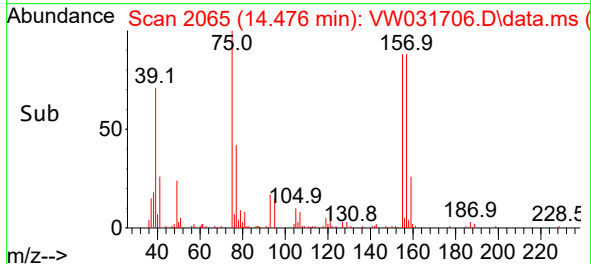
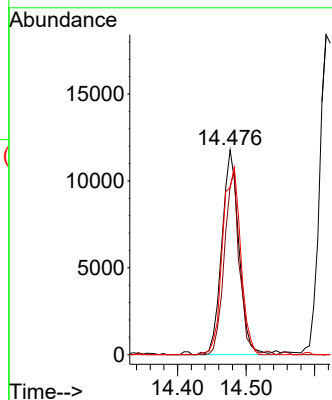
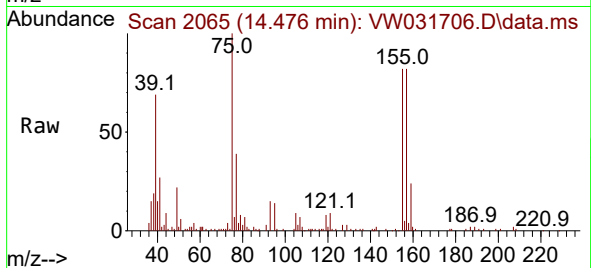
Tgt Ion: 75 Resp: 20507

Ion Ratio Lower Upper

75 100

155 82.1 51.6 77.4#

157 81.5 74.6 111.8



#69

1,3,5-Trichlorobenzene

Concen: 24.10 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW031706.D

Acq: 22 May 2025 08:28

Tgt Ion:180 Resp: 157356

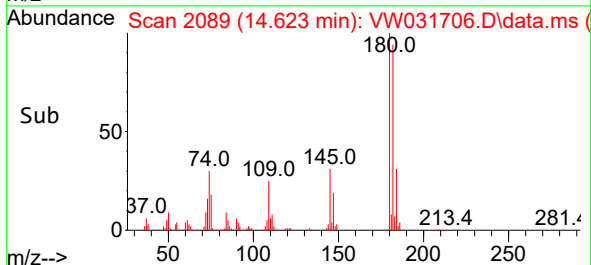
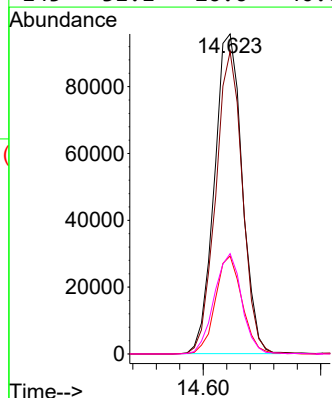
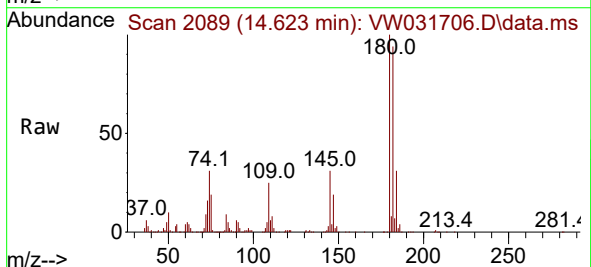
Ion Ratio Lower Upper

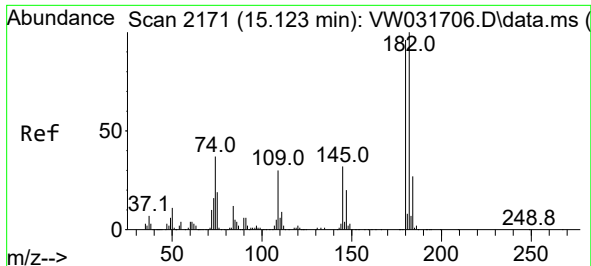
180 100

182 90.9 75.5 113.3

184 29.5 23.7 35.5

145 31.1 26.6 40.0

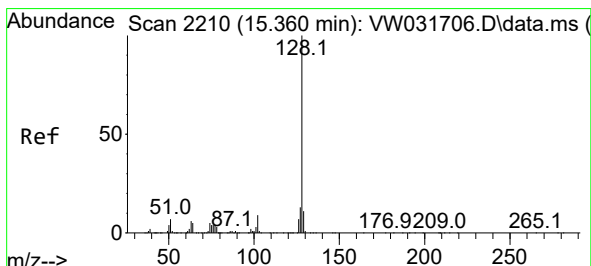
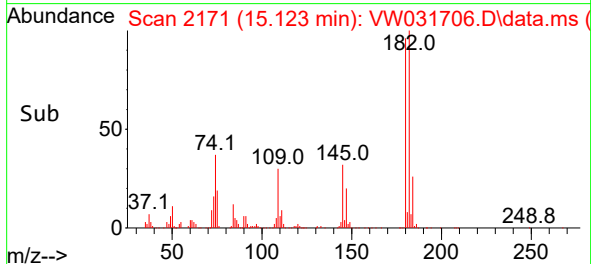
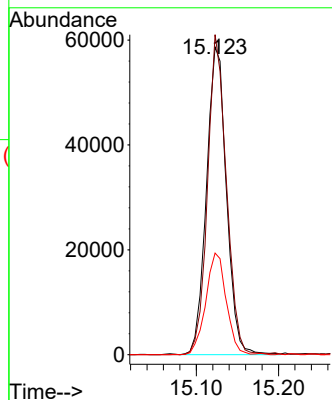
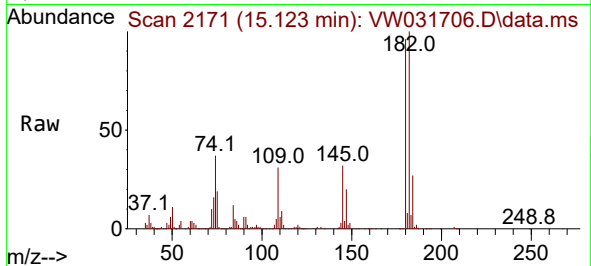




#70
1,2,4-trichlorobenzene
Concen: 22.42 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

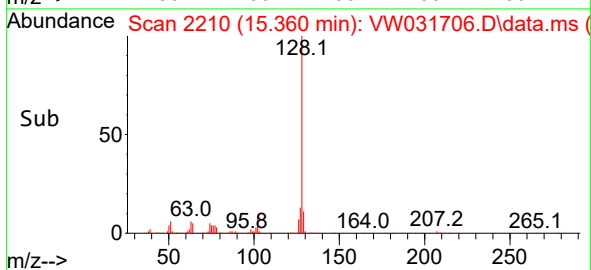
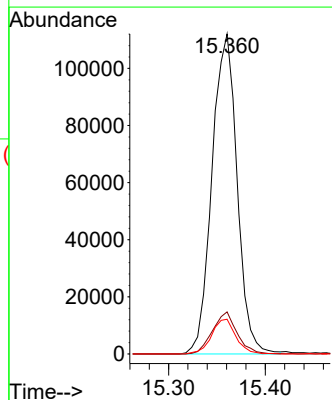
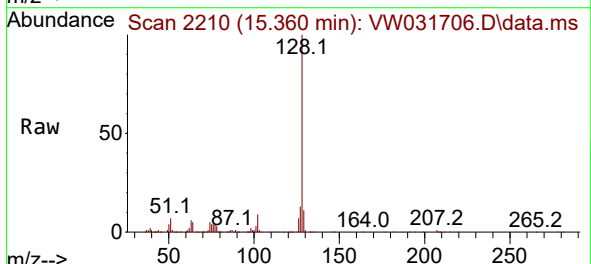
Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

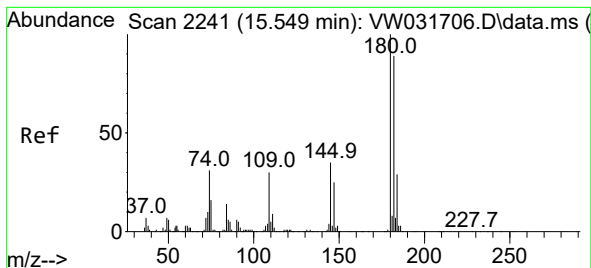
Tgt Ion:180 Resp: 99182
Ion Ratio Lower Upper
180 100
182 97.7 75.7 113.5
145 33.7 26.7 40.1



#71
Naphthalene
Concen: 23.58 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW031706.D
Acq: 22 May 2025 08:28

Tgt Ion:128 Resp: 202291
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.5 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 22.59 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW031706.D
 Acq: 22 May 2025 08:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025499

Tgt Ion:180 Resp: 81189
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.3 115.9
 145 37.8 28.6 43.0

