

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW013125\
 Data File : VW031671.D
 Acq On : 31 Jan 2025 16:57
 Operator : SY/MD
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 03 07:31:24 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	8.837	114	412855	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	296857	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	120817	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	18579	2.960	ug/L	0.00
7) Chloroethane-d5	2.893	69	5720	1.290	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.015	65	6044	2.157	ug/L	0.00
21) 2-Butanone-d5	6.996	46	243	0.204	ug/L	-0.10
24) Chloroform-d	7.642	84	23934	2.368	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	10797	2.280	ug/L	0.00
32) Benzene-d6	8.270	84	54050	2.931	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	13082	2.493	ug/L	0.00
41) Toluene-d8	10.325	98	48172	2.913	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.581	79	4129	2.032	ug/L	0.00
47) 2-Hexanone-d5	10.934	63	4112	6.625	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	12.684	84	9211	2.780	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	11288	2.769	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.009	85	12462	2.270	ug/L	96
3) Chloromethane	2.210	50	14132	2.547	ug/L	98
5) Vinyl chloride	2.369	62	17774	2.474	ug/L	96
6) Bromomethane	2.783	94	8681	2.143	ug/L	99
8) Chloroethane	2.930	64	4584	1.125	ug/L	86
9) Trichlorofluoromethane	3.253	101	11189	1.637	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	4.057	101	868	0.155	ug/L #	1
12) 1,1-Dichloroethene	4.033	96	10813	1.910	ug/L #	78
13) Acetone	4.143	43	4957	5.222	ug/L	42
14) Carbon disulfide	4.387	76	29121	1.552	ug/L #	93
15) Methyl Acetate	4.679	43	2482	1.102	ug/L #	100
16) Methylene chloride	4.813	84	46	0.009	ug/L #	4
17) trans-1,2-Dichloroethene	5.429	96	14707	2.441	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	7866	0.909	ug/L #	68
19) 1,1-Dichloroethane	6.216	63	22764	2.086	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	13311	2.162	ug/L	93
22) 2-Butanone	7.191	43	6335	4.108	ug/L	95
23) Bromochloromethane	7.514	128	4917	2.120	ug/L	89
25) Chloroform	7.673	83	21268	2.079	ug/L	85
27) 1,2-Dichloroethane	8.398	62	11152	1.838	ug/L #	91
29) Cyclohexane	7.947	56	25685	2.507	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	19425	2.424	ug/L	98
31) Carbon tetrachloride	8.063	117	18680	2.588	ug/L	95
33) Benzene	8.325	78	53162	2.516	ug/L	100
34) Trichloroethene	9.087	95	14950	2.587	ug/L	96
35) Methylcyclohexane	9.331	83	25803	2.421	ug/L	87
37) 1,2-Dichloropropane	9.367	63	11792	2.330	ug/L	99
38) Bromodichloromethane	9.648	83	11135	1.868	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	12726	1.669	ug/L	91
40) 4-Methyl-2-pentanone	10.209	43	16419	6.188	ug/L	97
42) Toluene	10.386	91	53328	2.419	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	9493	1.577	ug/L	96

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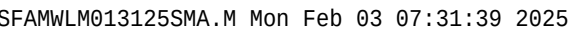
Quant Time: Feb 03 07:31:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM013125SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Feb 03 07:30:43 2025
 Response via : Initial Calibration

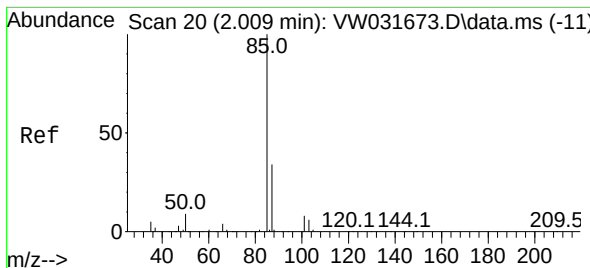
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.788	97	7335	2.306	ug/L	92
46) Tetrachloroethene	10.861	164	11110	2.634	ug/L	92
48) 2-Hexanone	10.971	43	10258	6.026	ug/L	92
49) Dibromochloromethane	11.123	129	5939	1.748	ug/L	97
50) 1,2-Dibromoethane	11.233	107	7356	2.488	ug/L #	89
51) Chlorobenzene	11.654	112	31437	2.388	ug/L	96
52) Ethylbenzene	11.727	91	60742	2.404	ug/L	96
53) m,p-Xylene	11.837	106	20952	2.201	ug/L	89
54) o-Xylene	12.160	106	18726	2.141	ug/L	91
55) Styrene	12.178	104	28820	2.019	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	9640	2.684	ug/L #	86
59) Bromoform	12.349	173	3397	2.174	ug/L	97
60) Isopropylbenzene	12.458	105	59079	2.625	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	7861	3.360	ug/L	98
62) 1,3,5-Trimethylbenzene	12.934	105	43554	2.398	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	38917	2.248	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	19950	2.343	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	21068	2.521	ug/L	92
67) 1,2-Dichlorobenzene	13.867	146	17275	2.411	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	2368	4.273	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.623	180	13634	2.376	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	10747	2.397	ug/L #	93
71) Naphthalene	15.360	128	21025	2.467	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.549	180	8595	2.264	ug/L	93

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

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Quant Title : SFAM01.0
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Response via : Initial Calibration

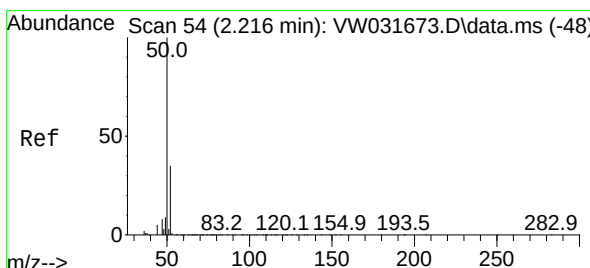
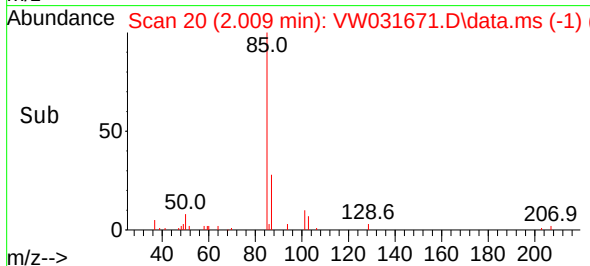
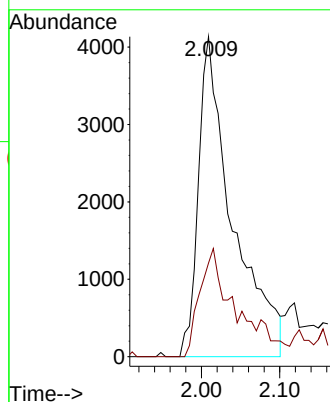
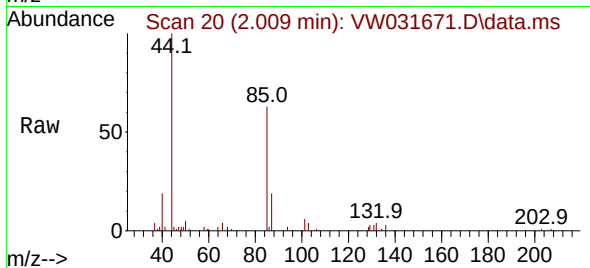




#2
 Dichlorodifluoromethane
 Concen: 2.270 ug/L
 RT: 2.009 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VW031671.D
 Acq: 31 Jan 2025 16:57

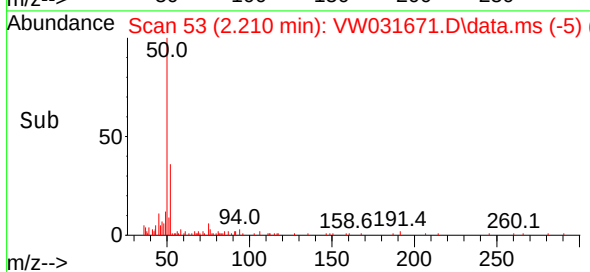
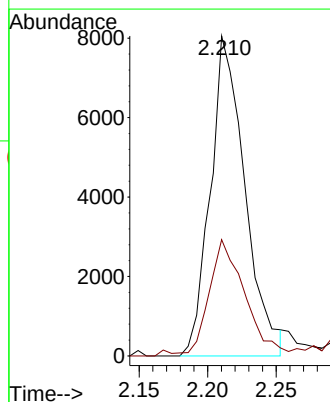
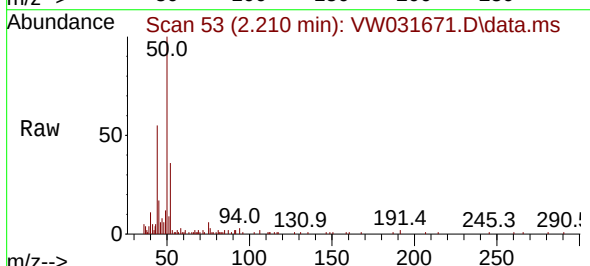
Instrument :
 MSVOA_W
 ClientSampleId :

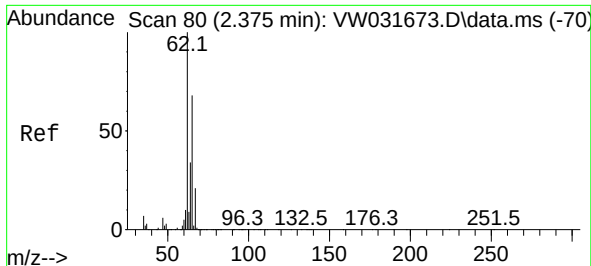
Tgt Ion: 85 Resp: 12462
 Ion Ratio Lower Upper
 85 100
 87 22.4 19.6 29.4



#3
 Chloromethane
 Concen: 2.547 ug/L
 RT: 2.210 min Scan# 53
 Delta R.T. -0.006 min
 Lab File: VW031671.D
 Acq: 31 Jan 2025 16:57

Tgt Ion: 50 Resp: 14132
 Ion Ratio Lower Upper
 50 100
 52 36.4 24.6 45.8

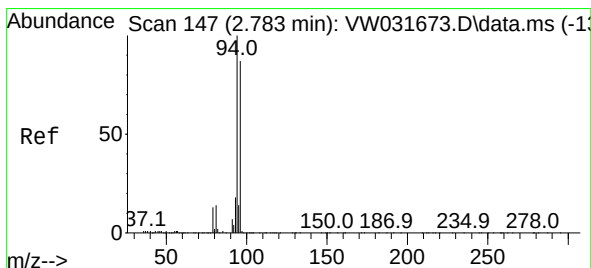
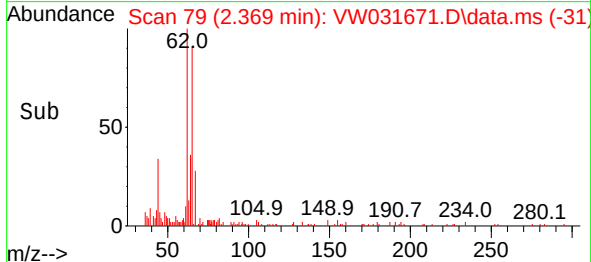
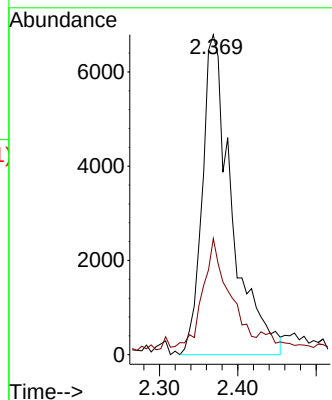
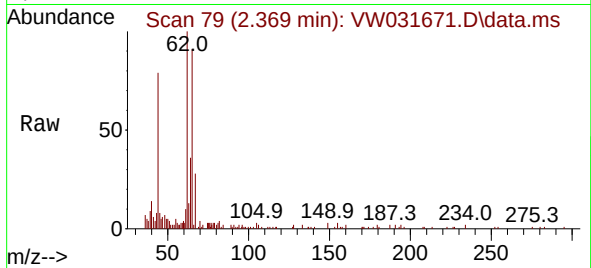




#5
 Vinyl chloride
 Concen: 2.474 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW031671.D
 Acq: 31 Jan 2025 16:57

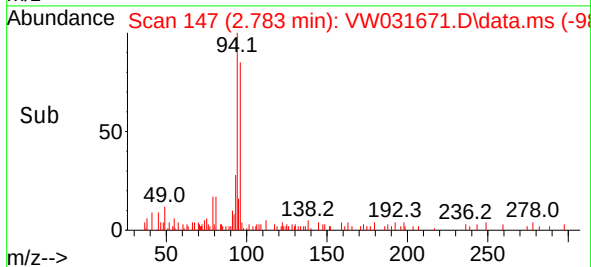
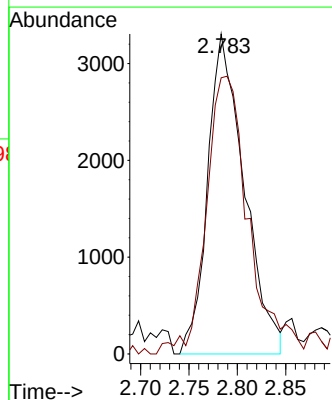
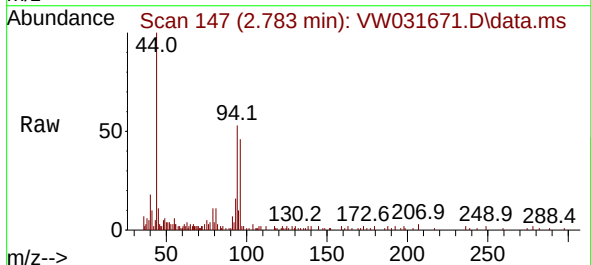
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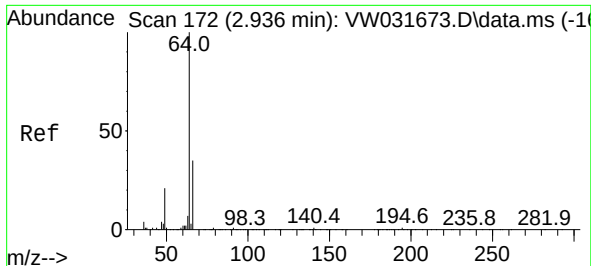
Tgt Ion: 62 Resp: 17774
 Ion Ratio Lower Upper
 62 100
 64 36.3 23.8 44.2



#6
 Bromomethane
 Concen: 2.143 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW031671.D
 Acq: 31 Jan 2025 16:57

Tgt Ion: 94 Resp: 8681
 Ion Ratio Lower Upper
 94 100
 96 86.3 61.2 113.6

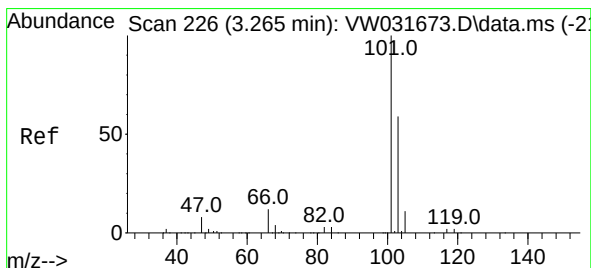
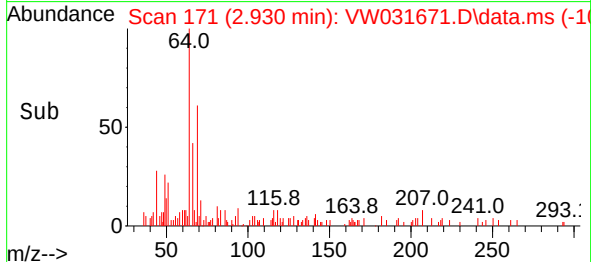
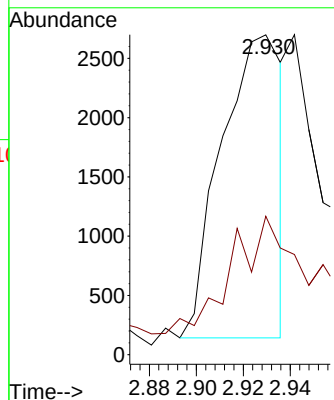
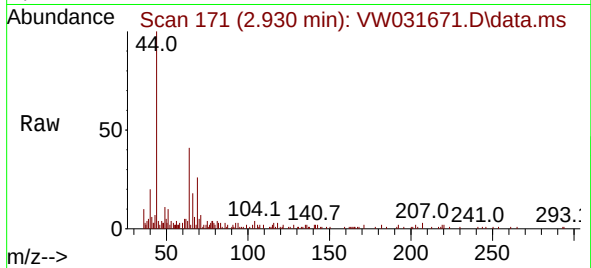




#8
Chloroethane
Concen: 1.125 ug/L
RT: 2.930 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

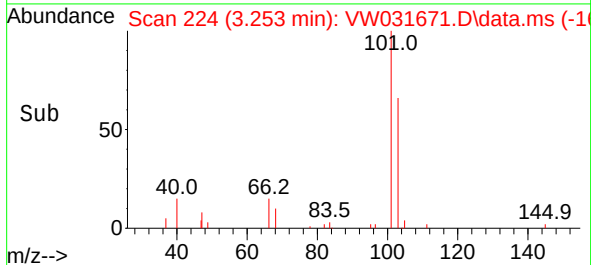
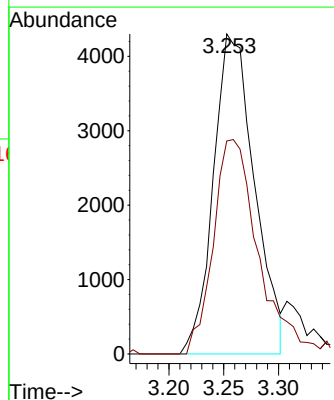
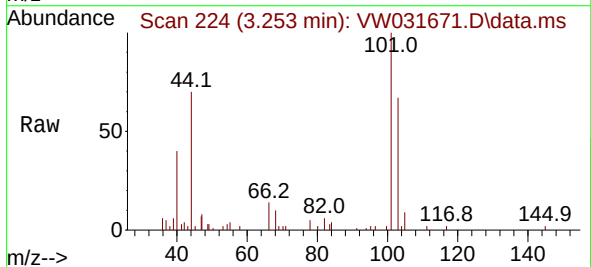
Instrument :
MSVOA_W
ClientSampleId :

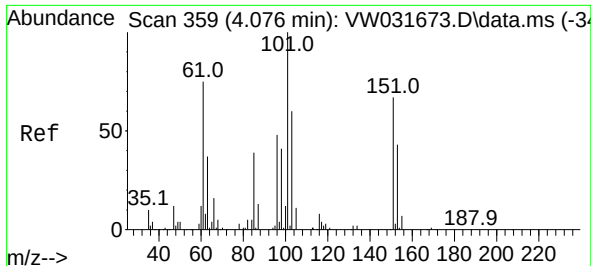
Tgt Ion: 64 Resp: 4584
Ion Ratio Lower Upper
64 100
66 43.3 24.7 45.9



#9
Trichlorofluoromethane
Concen: 1.637 ug/L
RT: 3.253 min Scan# 224
Delta R.T. -0.012 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion:101 Resp: 11189
Ion Ratio Lower Upper
101 100
103 72.4 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.155 ug/L

RT: 4.057 min Scan# 359

Delta R.T. -0.018 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

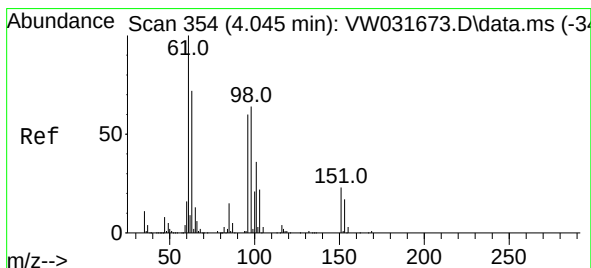
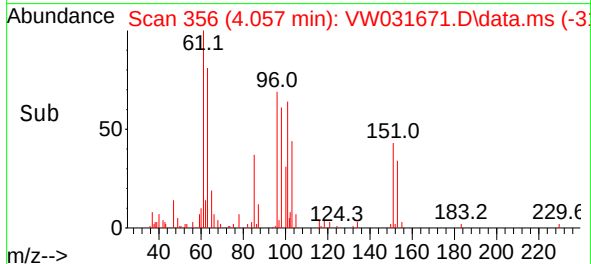
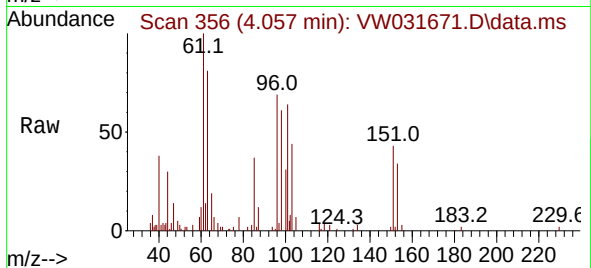
Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:101 Resp: 868

Ion	Ratio	Lower	Upper
101	100		
85	357.6	36.3	54.5#
151	1078.9	55.9	83.9#



#12

1,1-Dichloroethene

Concen: 1.910 ug/L

RT: 4.033 min Scan# 352

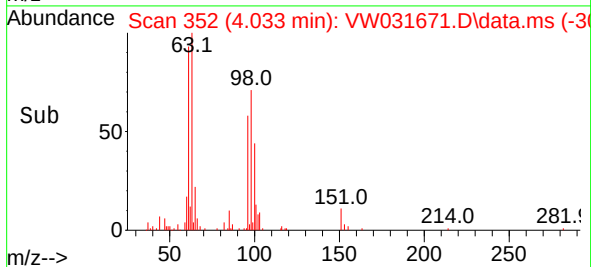
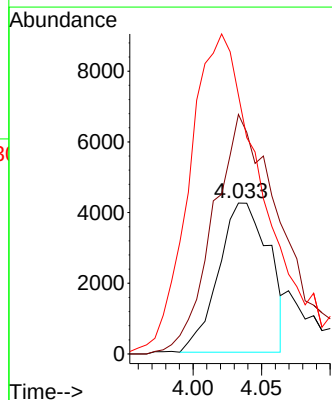
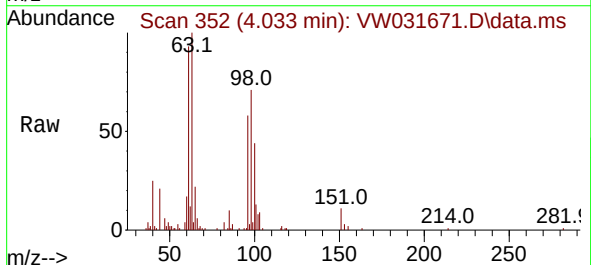
Delta R.T. -0.012 min

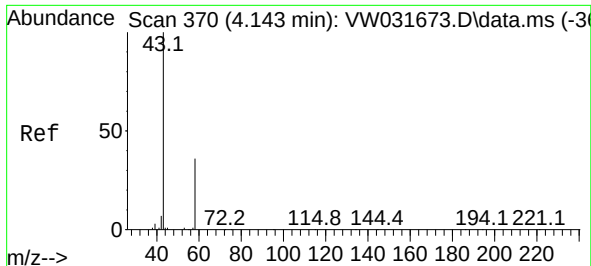
Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Tgt Ion: 96 Resp: 10813

Ion	Ratio	Lower	Upper
96	100		
61	158.8	117.5	218.3
63	171.6	86.5	160.7#

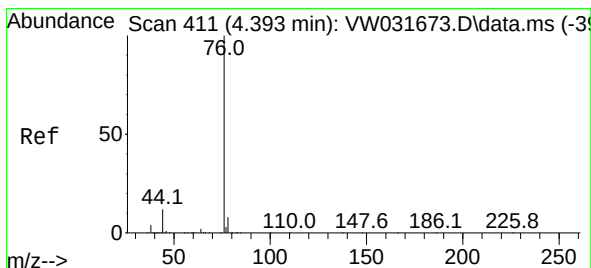
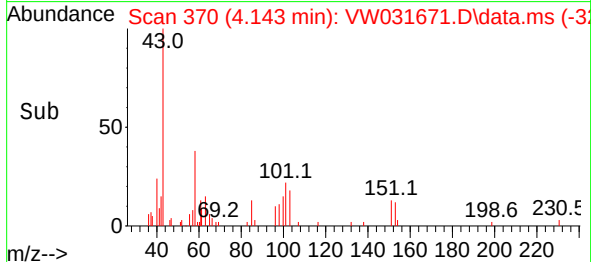
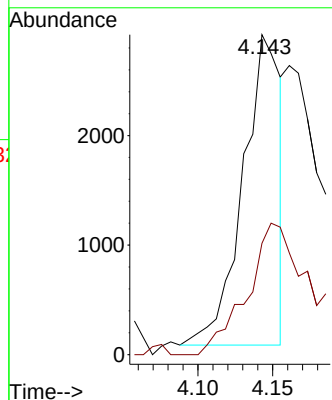
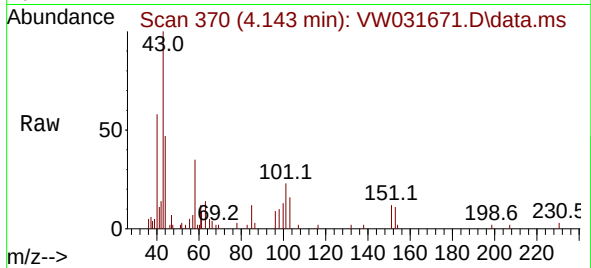




#13
Acetone
Concen: 5.222 ug/L
RT: 4.143 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

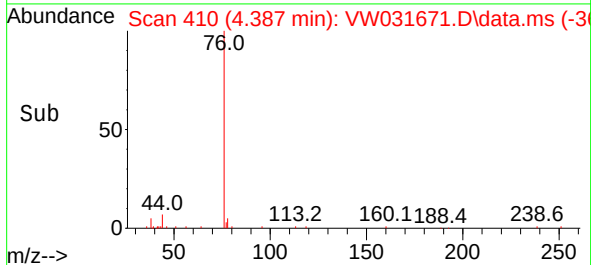
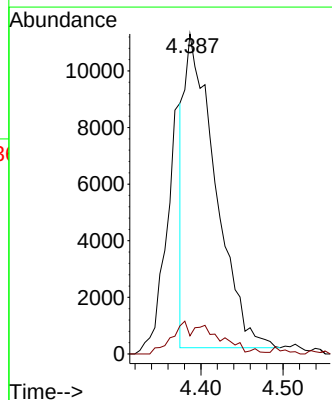
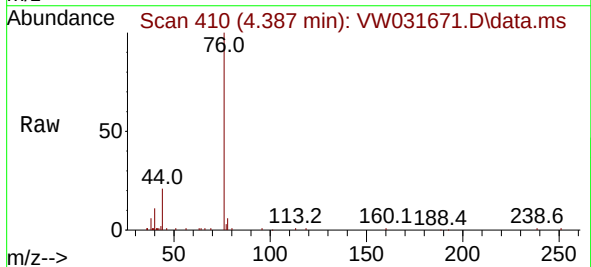
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MSVOA_W
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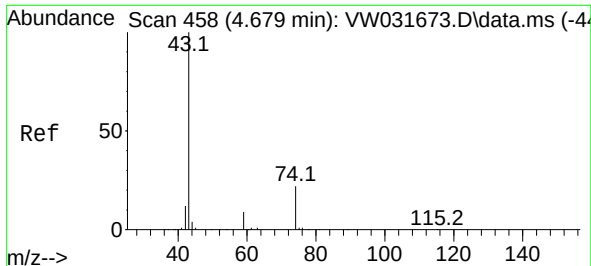
Tgt Ion: 43 Resp: 4957
Ion Ratio Lower Upper
43 100
58 68.5 0.0 70.2



#14
Carbon disulfide
Concen: 1.552 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion: 76 Resp: 29121
Ion Ratio Lower Upper
76 100
78 5.7 6.6 9.8#





#15

Methyl Acetate

Concen: 1.102 ug/L

RT: 4.679 min Scan# 4

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

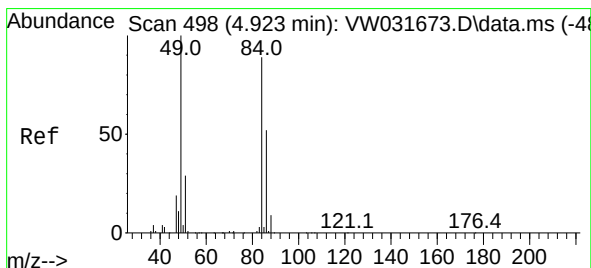
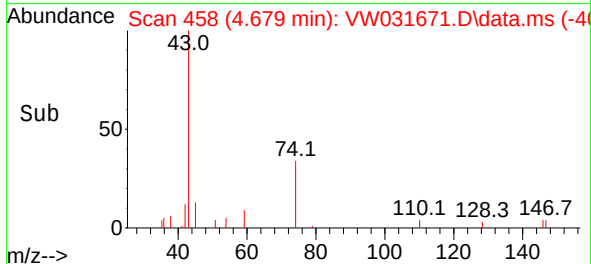
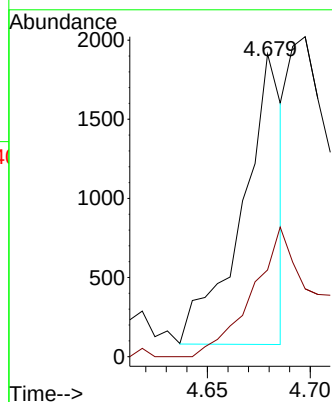
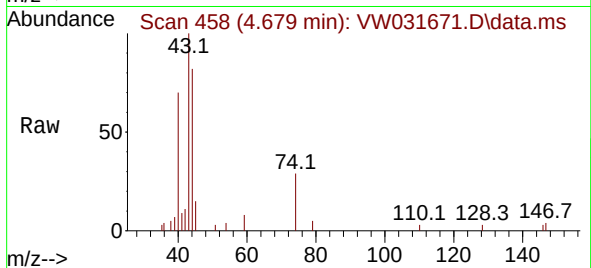
ClientSampleId :

Tgt Ion: 43 Resp: 2482

Ion Ratio Lower Upper

43 100

74 57.3 0.0 0.0#



#16

Methylene chloride

Concen: 0.009 ug/L

RT: 4.813 min Scan# 480

Delta R.T. -0.110 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

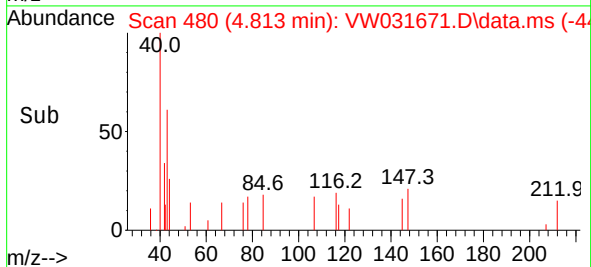
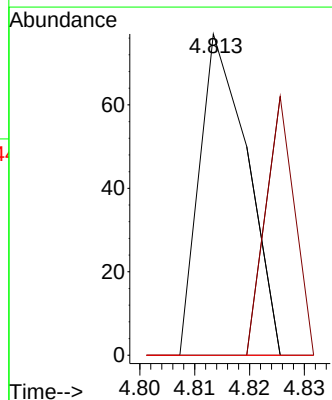
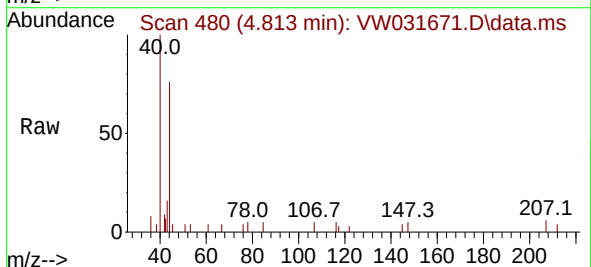
Tgt Ion: 84 Resp: 46

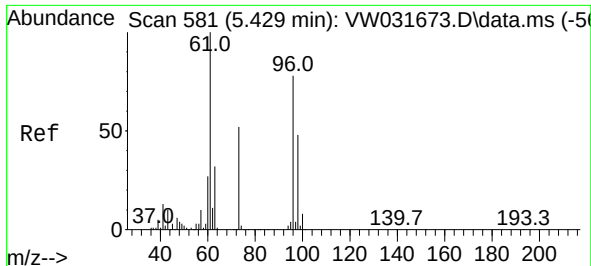
Ion Ratio Lower Upper

84 100

86 0.0 40.9 76.0#

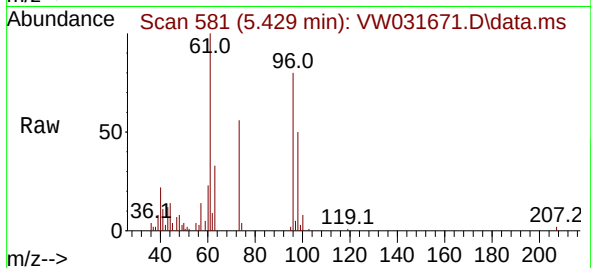
49 0.0 78.9 146.5#



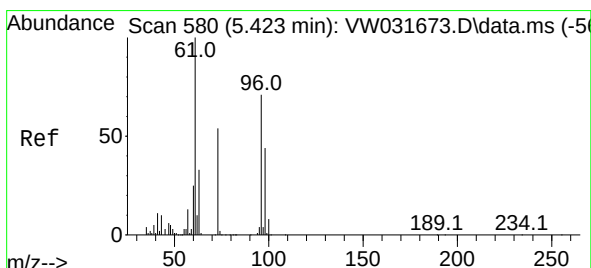
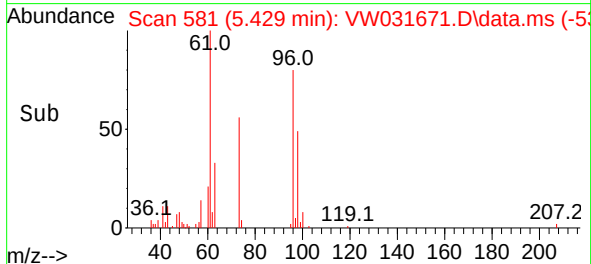
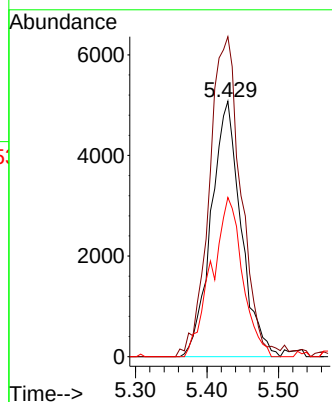


#17
trans-1,2-Dichloroethene
Concen: 2.441 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Instrument :
MSVOA_W
ClientSampleId :

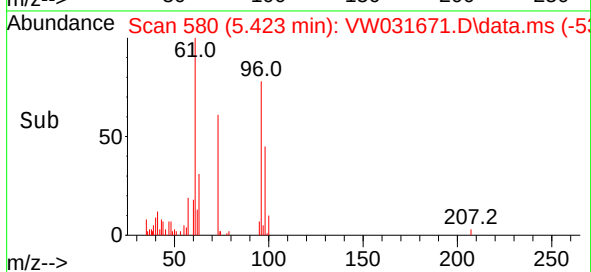
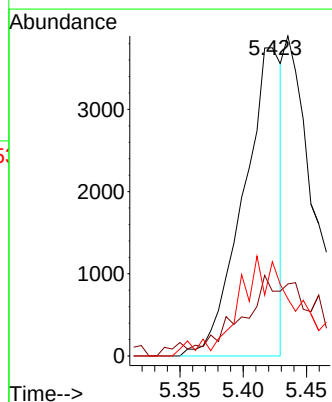
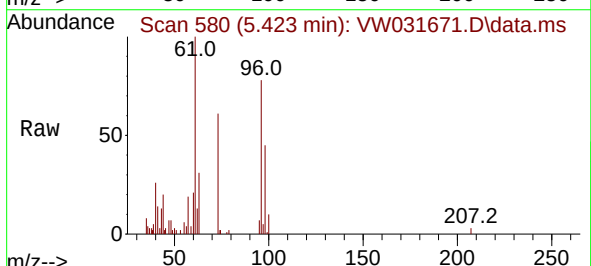


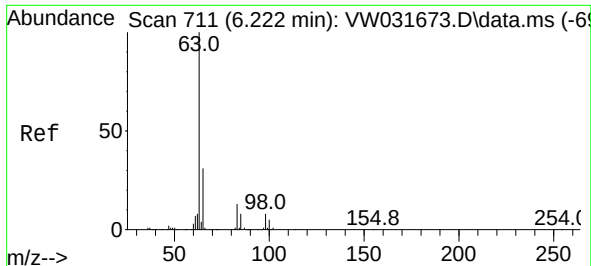
Tgt Ion: 96 Resp: 14707
Ion Ratio Lower Upper
96 100
61 125.3 90.3 167.7
98 62.3 43.0 80.0



#18
Methyl tert-butyl Ether
Concen: 0.909 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion: 73 Resp: 7866
Ion Ratio Lower Upper
73 100
43 5.5 15.4 23.2#
57 6.3 18.2 27.2#





#19

1,1-Dichloroethane

Concen: 2.086 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW031671.D

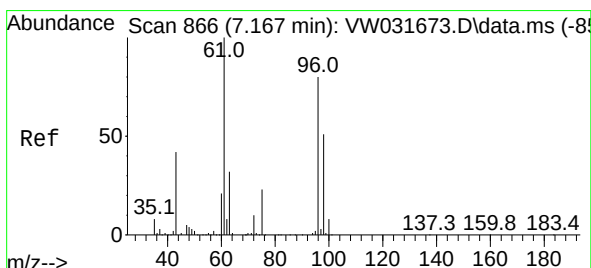
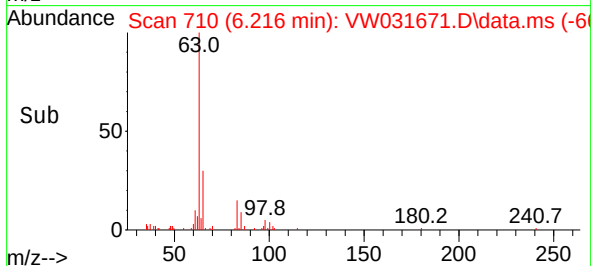
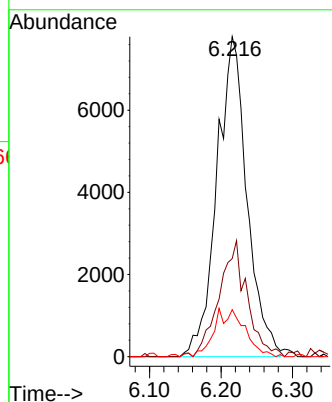
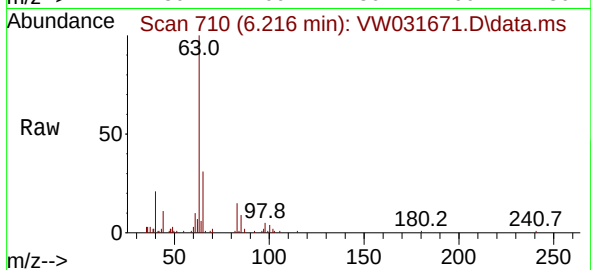
Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 63	Resp: 22764
Ion Ratio	Lower Upper
63 100	
65 30.6	21.6 40.2
83 14.7	9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 2.162 ug/L

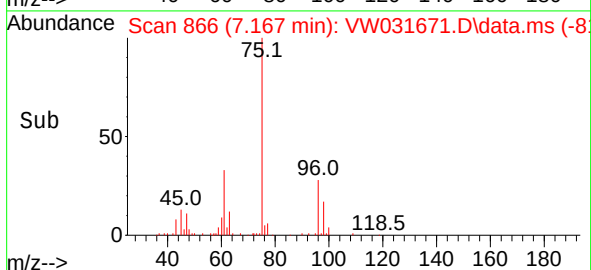
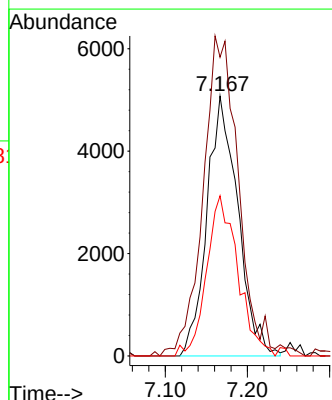
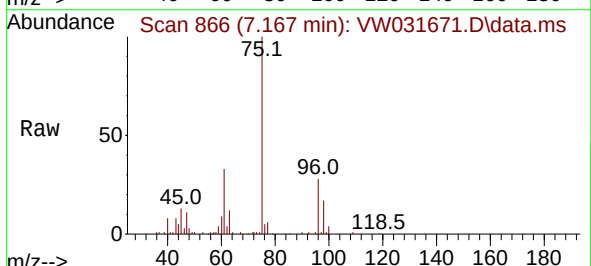
RT: 7.167 min Scan# 866

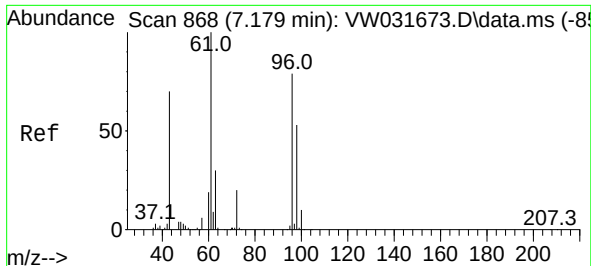
Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Tgt Ion: 96	Resp: 13311
Ion Ratio	Lower Upper
96 100	
61 115.0	87.4 162.4
98 61.6	44.4 82.4

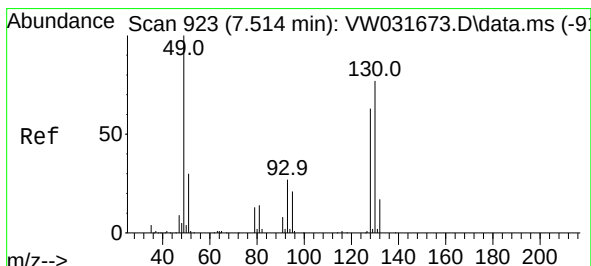
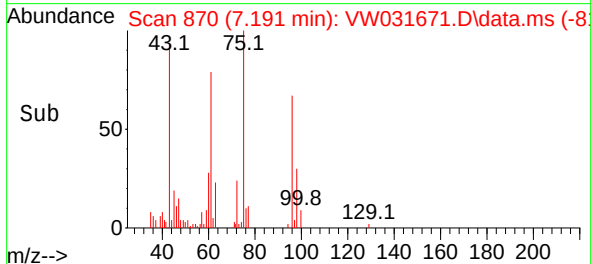
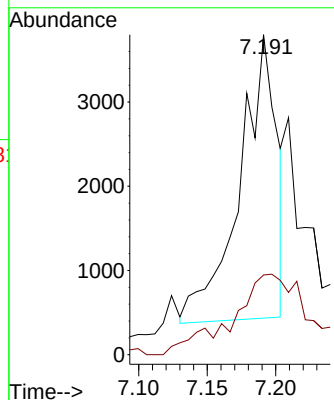
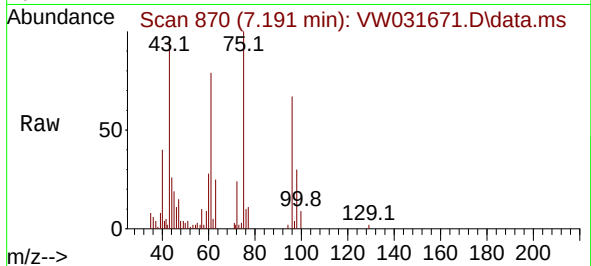




#22
2-Butanone
Concen: 4.108 ug/L
RT: 7.191 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

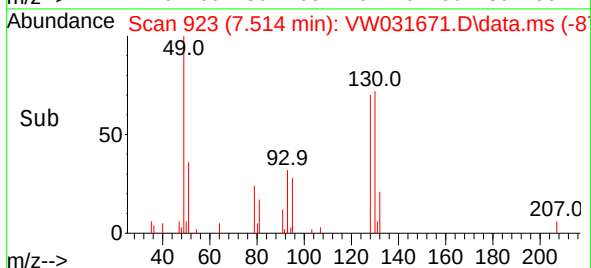
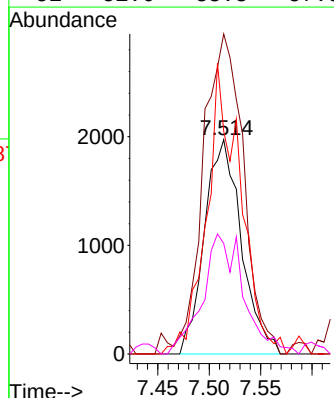
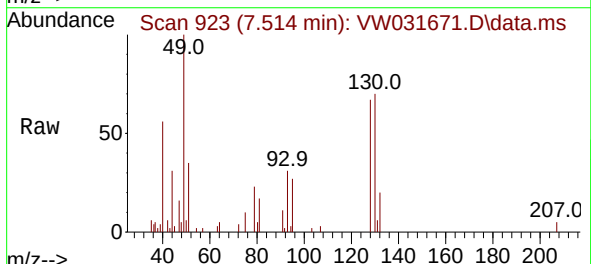
Instrument :
MSVOA_W
ClientSampleId :

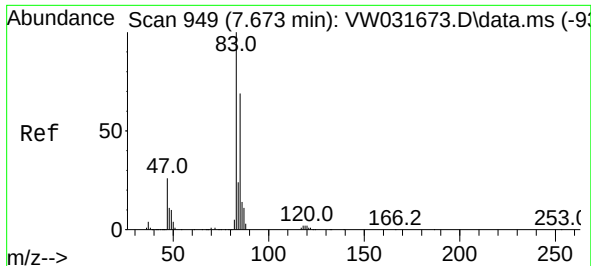
Tgt Ion: 43 Resp: 6335
Ion Ratio Lower Upper
43 100
72 25.2 13.8 41.4



#23
Bromochloromethane
Concen: 2.120 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion:128 Resp: 4917
Ion Ratio Lower Upper
128 100
49 149.4 112.2 208.4
130 104.0 85.9 159.5
51 51.6 38.3 57.5





#25

Chloroform

Concen: 2.079 ug/L

RT: 7.673 min Scan# 949

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

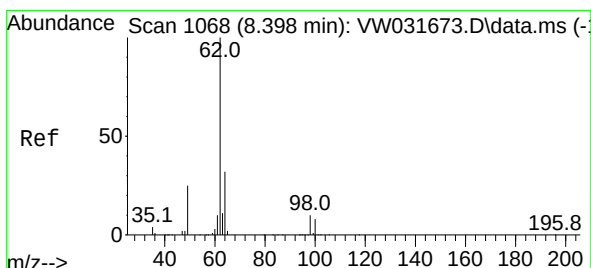
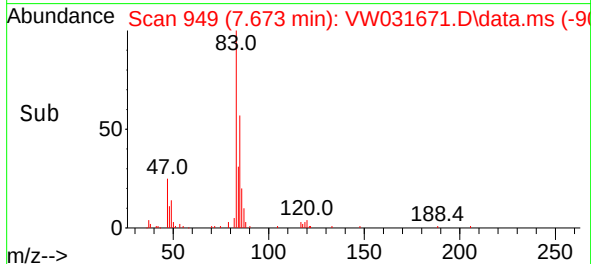
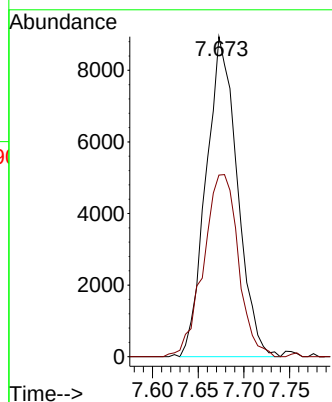
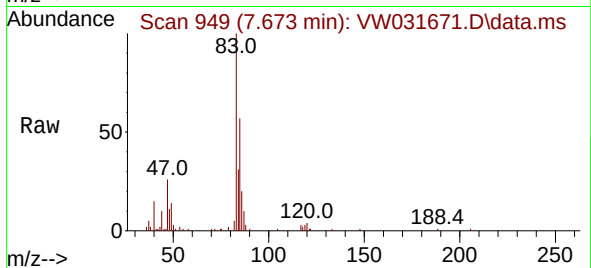
ClientSampleId :

Tgt Ion: 83 Resp: 21268

Ion Ratio Lower Upper

83 100

85 56.8 48.4 89.8



#27

1,2-Dichloroethane

Concen: 1.838 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW031671.D

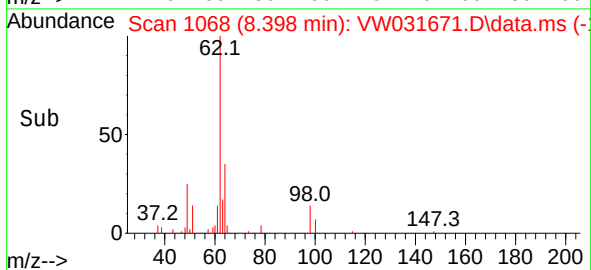
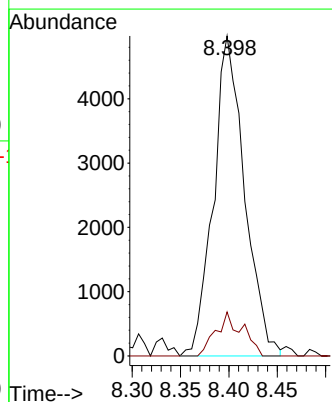
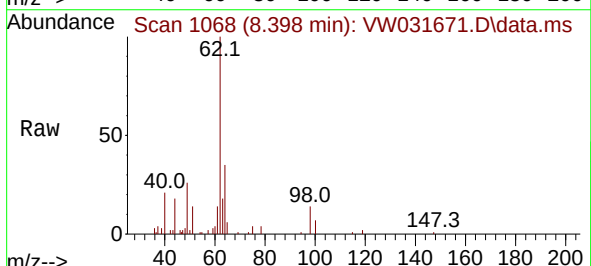
Acq: 31 Jan 2025 16:57

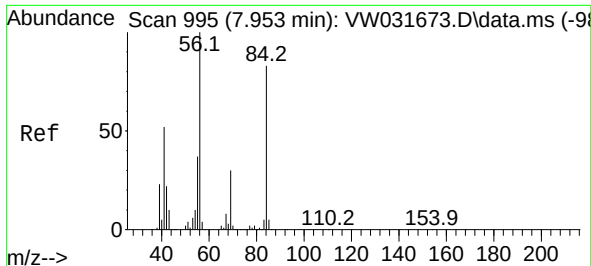
Tgt Ion: 62 Resp: 11152

Ion Ratio Lower Upper

62 100

98 13.7 8.3 12.5#





#29

Cyclohexane

Concen: 2.507 ug/L

RT: 7.947 min Scan# 994

Delta R.T. -0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

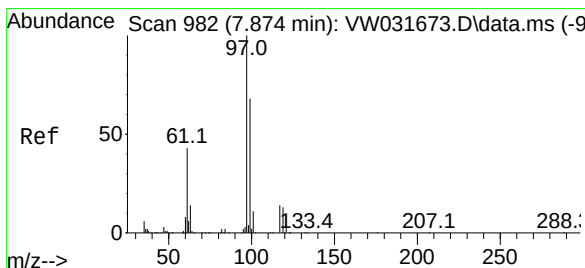
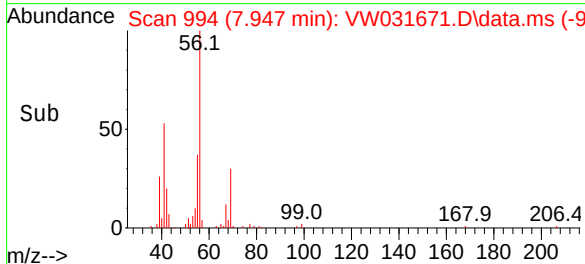
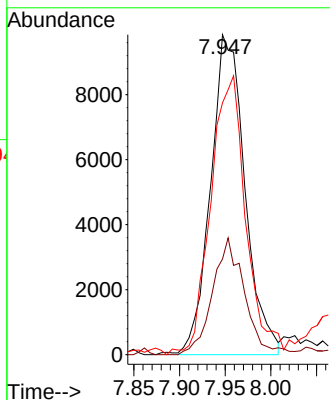
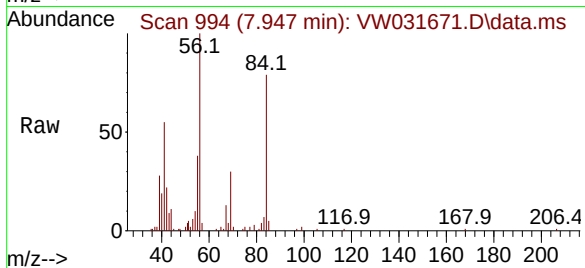
Tgt Ion: 56 Resp: 25685

Ion Ratio Lower Upper

56 100

69 33.2 24.2 36.4

84 83.0 67.8 101.8



#30

1,1,1-Trichloroethane

Concen: 2.424 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

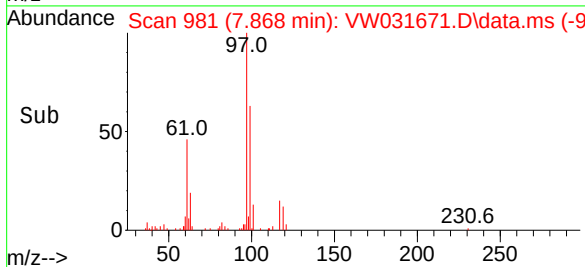
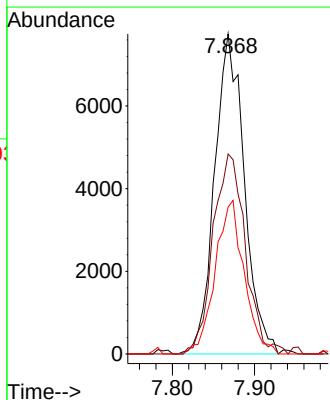
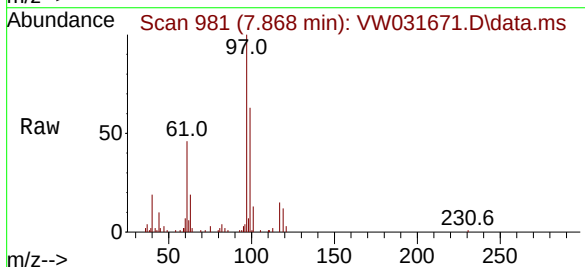
Tgt Ion: 97 Resp: 19425

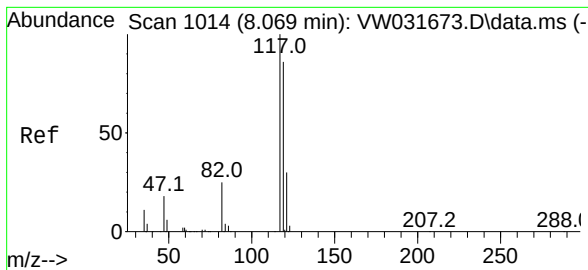
Ion Ratio Lower Upper

97 100

99 66.9 52.6 79.0

61 46.9 35.4 53.2

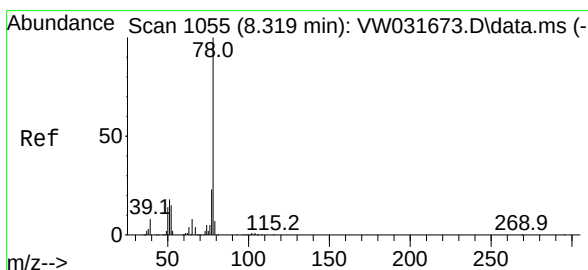
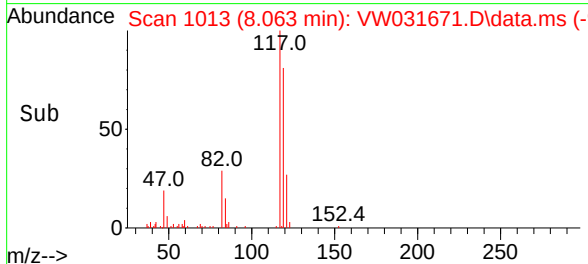
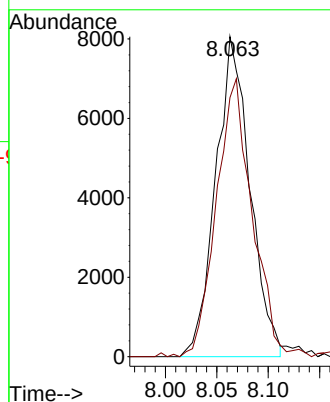
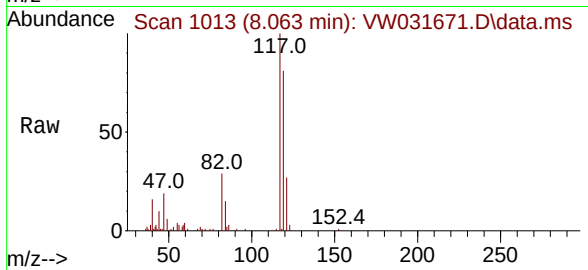




#31
Carbon tetrachloride
Concen: 2.588 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

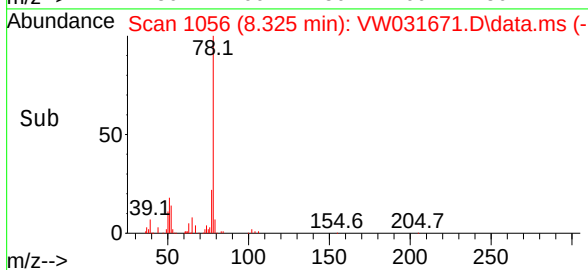
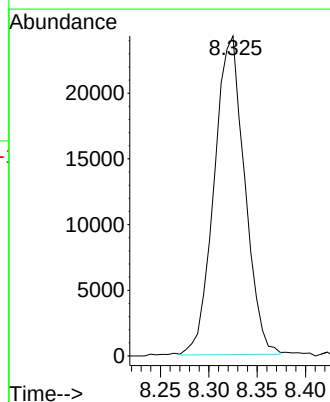
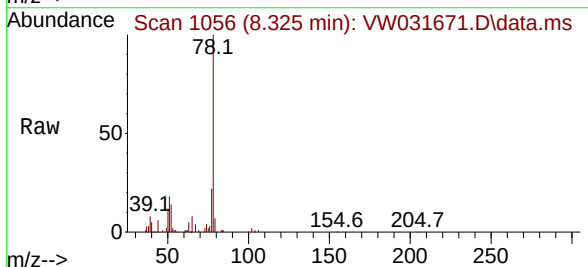
Instrument :
MSVOA_W
ClientSampleId :

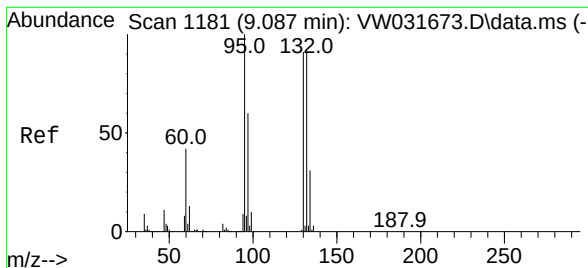
Tgt Ion:117 Resp: 18680
Ion Ratio Lower Upper
117 100
119 90.0 75.7 113.5



#33
Benzene
Concen: 2.516 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion: 78 Resp: 53162





#34

Trichloroethene

Concen: 2.587 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. 0.000 min

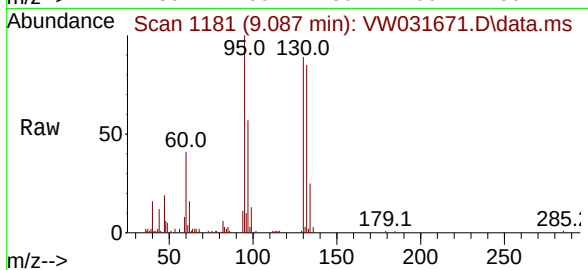
Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 14950

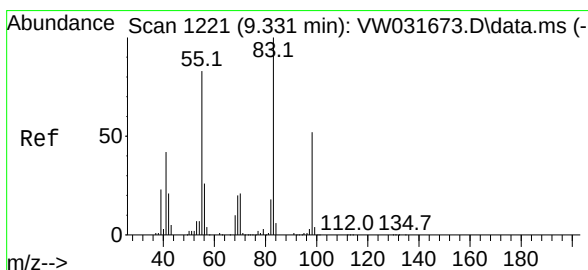
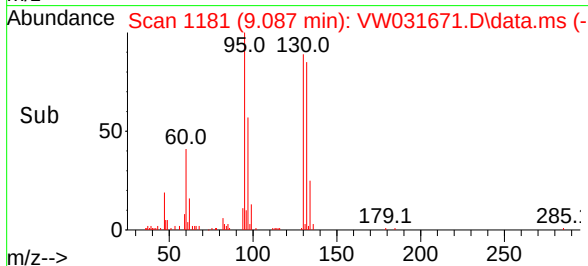
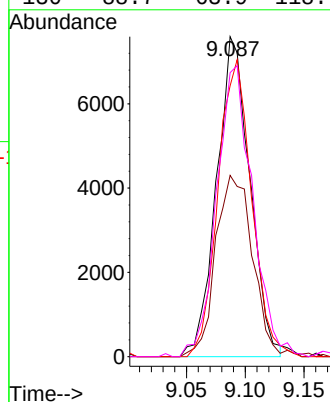
Ion Ratio Lower Upper

95 100

97 56.6 41.9 77.7

132 84.7 63.3 117.7

130 88.7 63.9 118.7



#35

Methylcyclohexane

Concen: 2.421 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

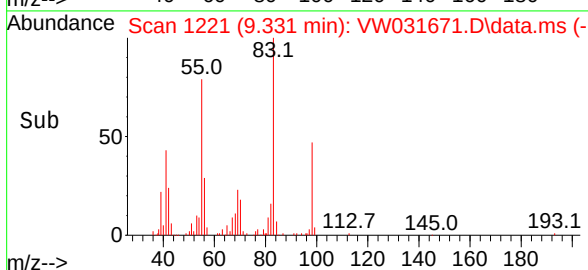
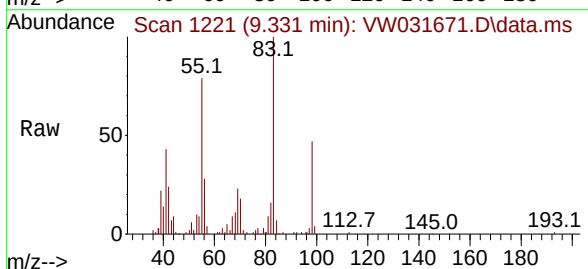
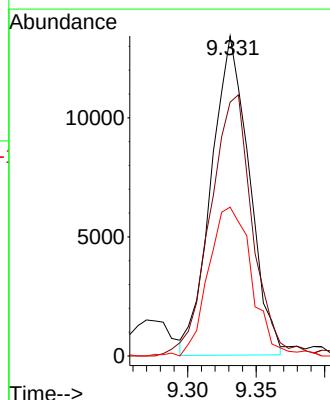
Tgt Ion: 83 Resp: 25803

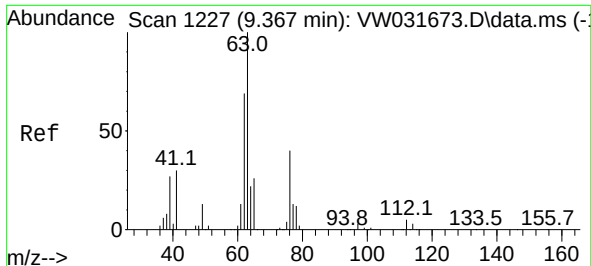
Ion Ratio Lower Upper

83 100

55 91.2 61.5 92.3

98 52.8 38.2 57.2





#37

1,2-Dichloropropane

Concen: 2.330 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

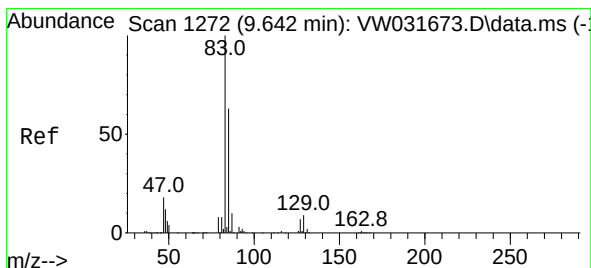
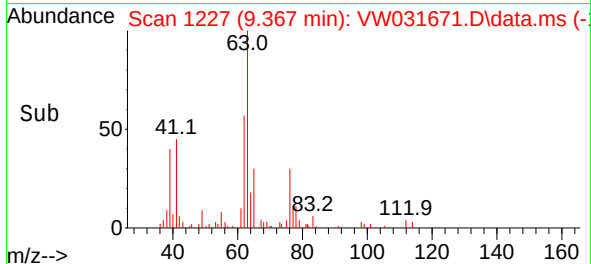
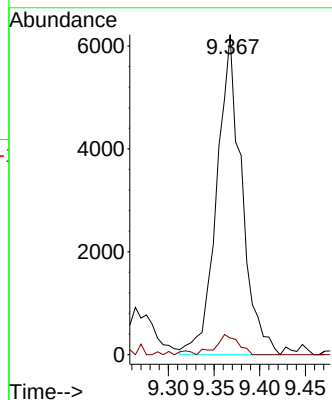
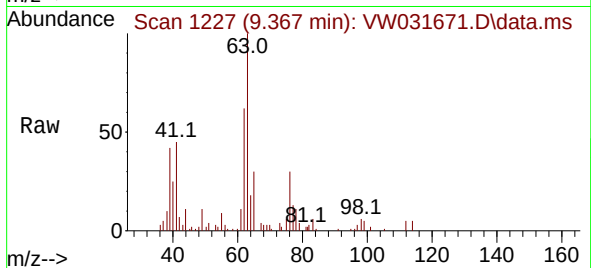
ClientSampleId :

Tgt Ion: 63 Resp: 11792

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 1.868 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

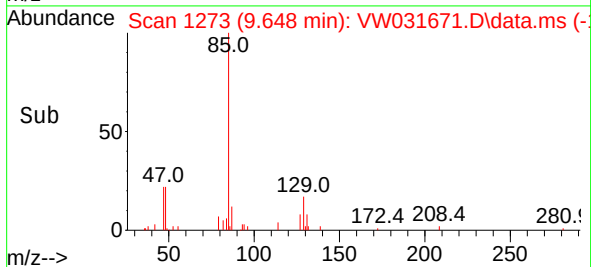
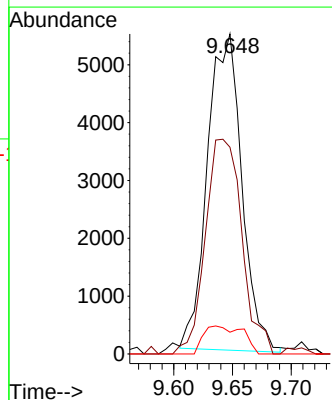
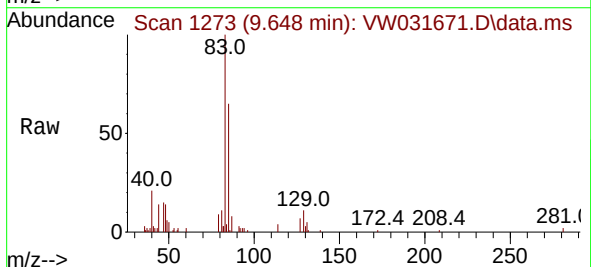
Tgt Ion: 83 Resp: 11135

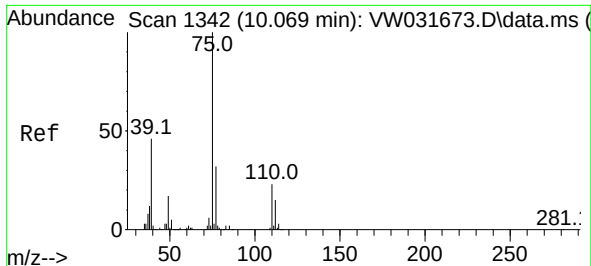
Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.0

127 6.8 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 1.669 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

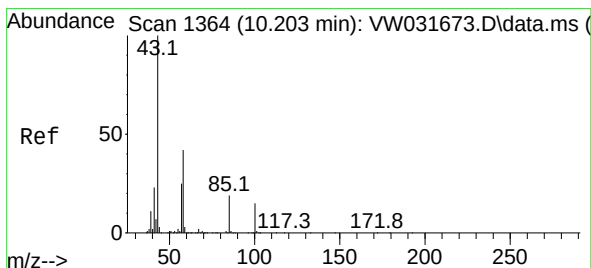
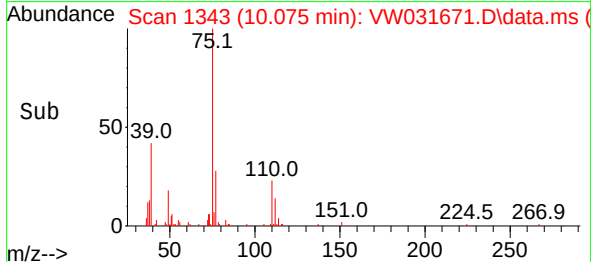
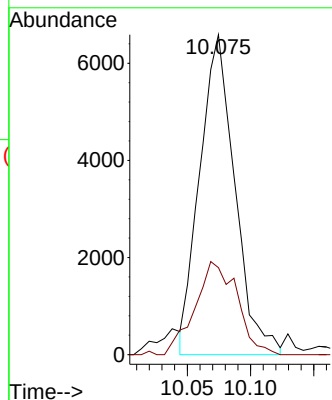
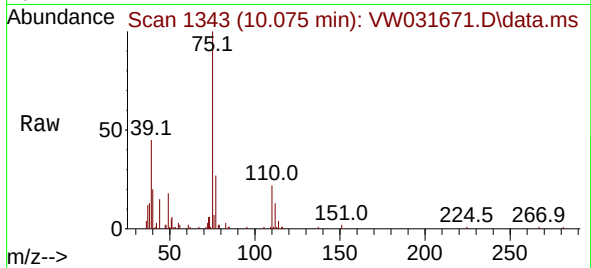
ClientSampleId :

Tgt Ion: 75 Resp: 12726

Ion Ratio Lower Upper

75 100

77 27.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 6.188 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

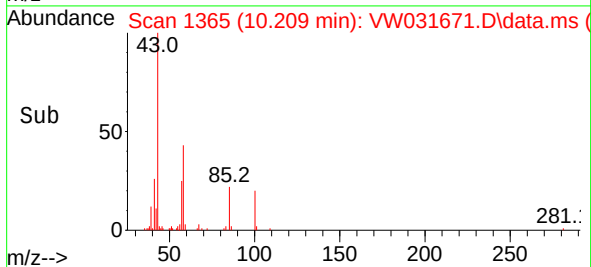
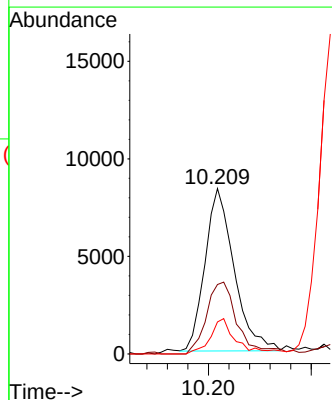
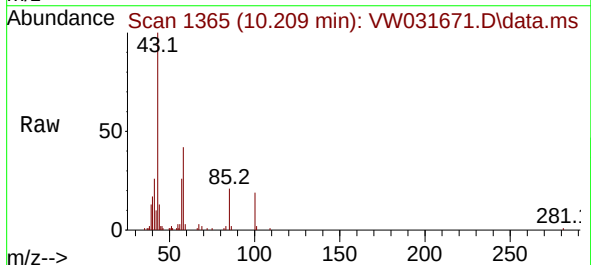
Tgt Ion: 43 Resp: 16419

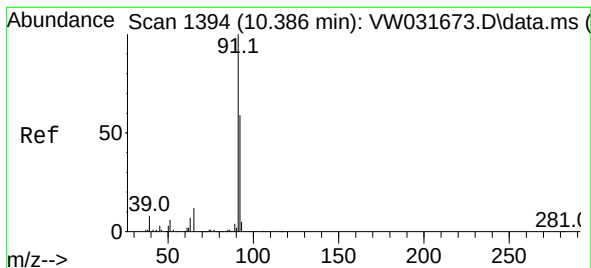
Ion Ratio Lower Upper

43 100

58 44.3 33.5 50.3

100 16.9 12.9 19.3





#42

Toluene

Concen: 2.419 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

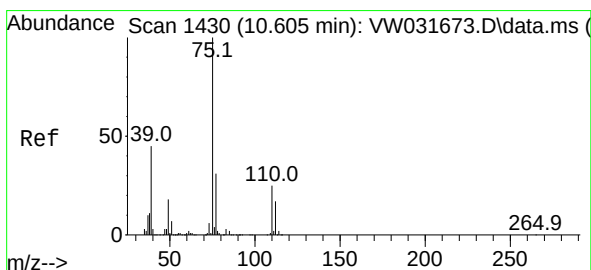
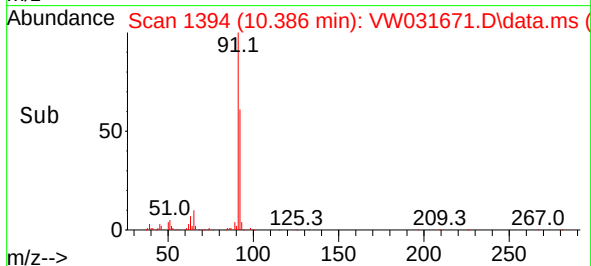
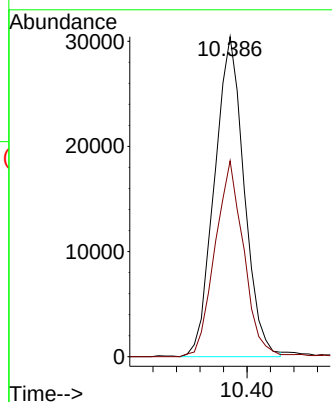
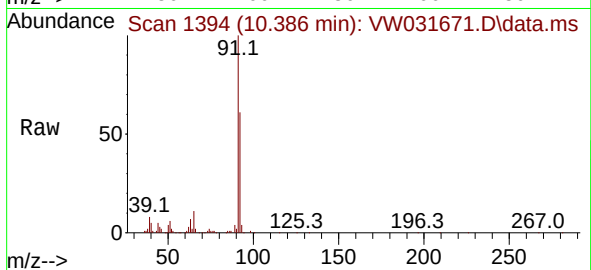
ClientSampleId :

Tgt Ion: 91 Resp: 53328

Ion Ratio Lower Upper

91 100

92 61.2 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 1.577 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW031671.D

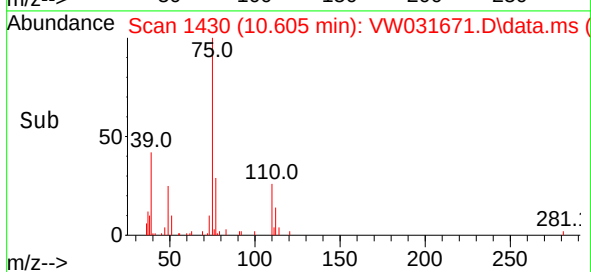
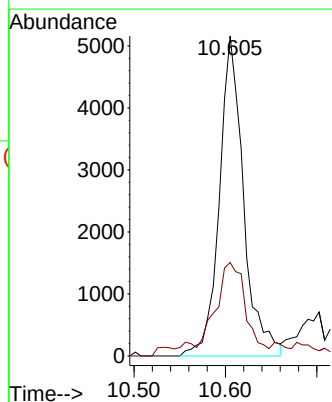
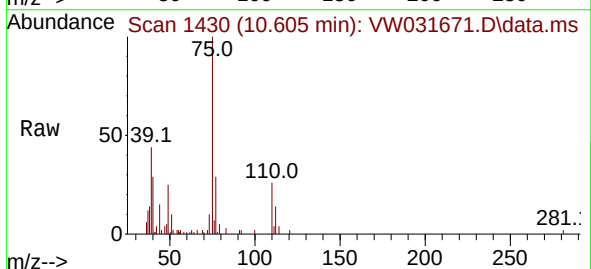
Acq: 31 Jan 2025 16:57

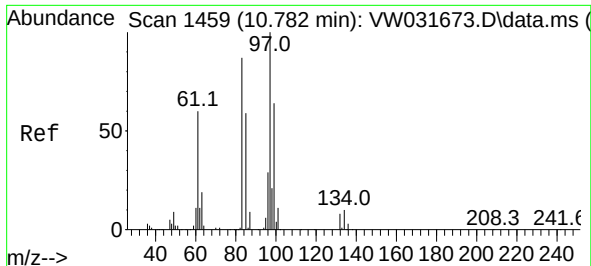
Tgt Ion: 75 Resp: 9493

Ion Ratio Lower Upper

75 100

77 29.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 2.306 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 7335

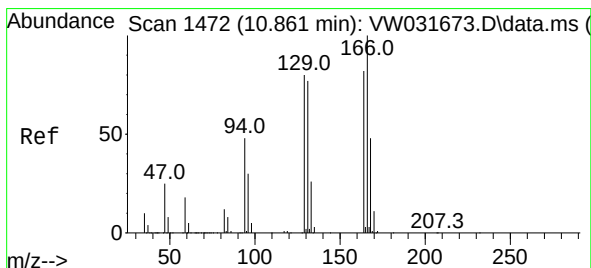
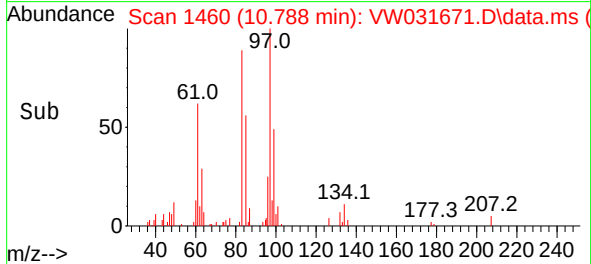
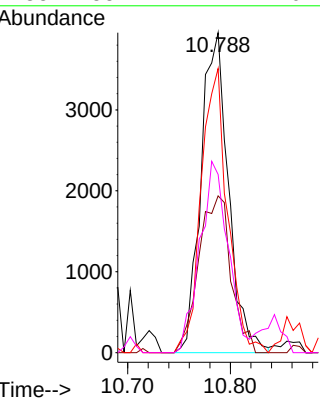
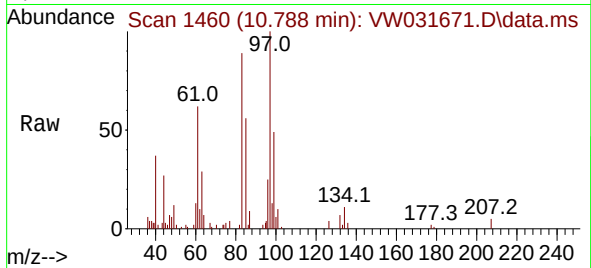
Ion Ratio Lower Upper

97 100

99 49.0 44.9 83.5

83 88.8 60.7 112.7

85 55.7 41.2 76.4



#46

Tetrachloroethene

Concen: 2.634 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Tgt Ion:164 Resp: 11110

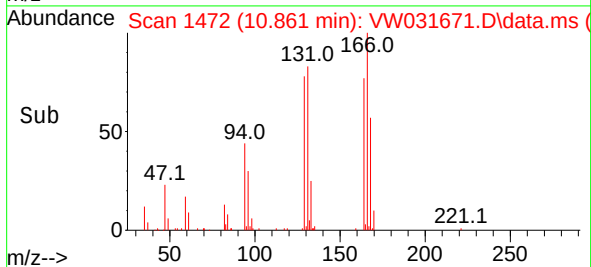
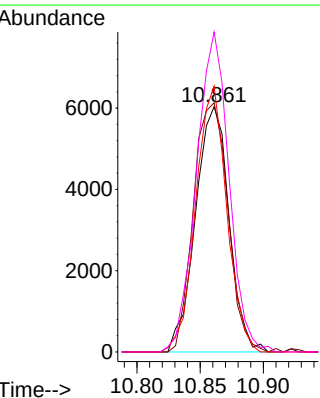
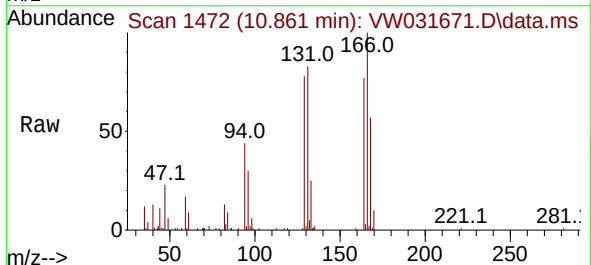
Ion Ratio Lower Upper

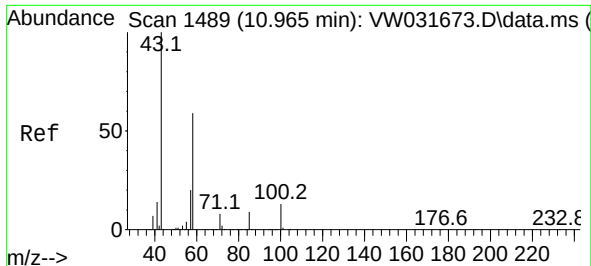
164 100

129 101.6 68.5 127.3

131 108.4 65.9 122.5

166 130.5 85.5 158.7





#48

2-Hexanone

Concen: 6.026 ug/L

RT: 10.971 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 10258

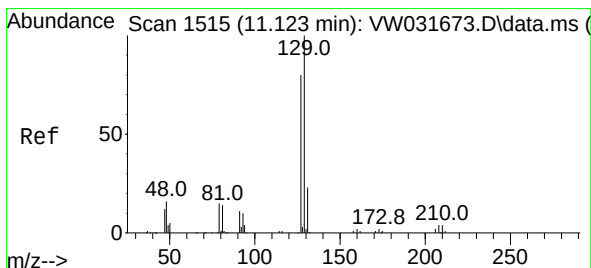
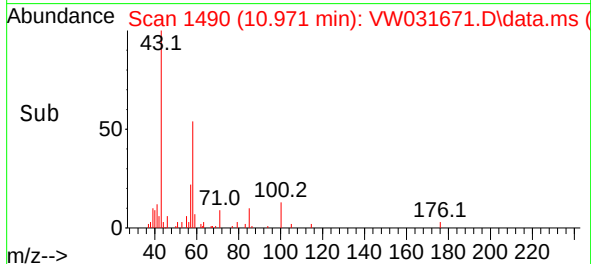
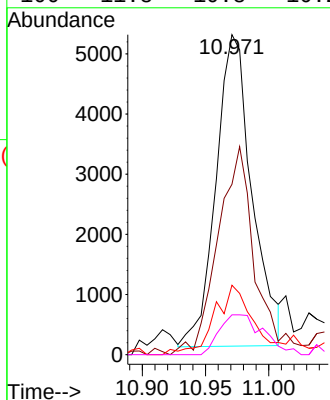
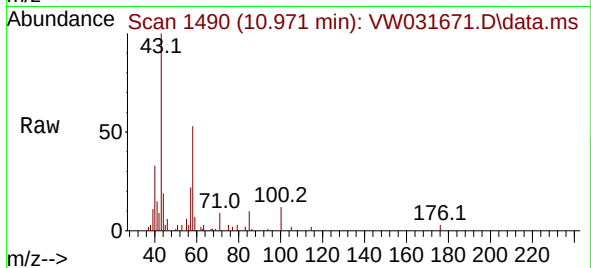
Ion Ratio Lower Upper

43 100

58 64.5 46.0 69.0

57 22.9 16.4 24.6

100 11.8 10.8 16.2



#49

Dibromochloromethane

Concen: 1.748 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW031671.D

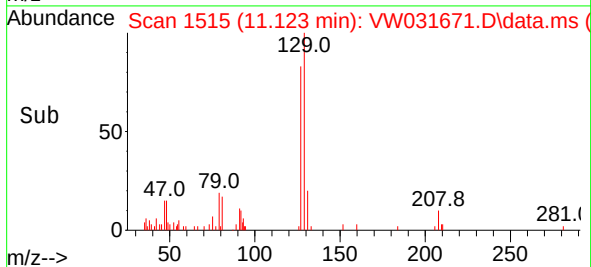
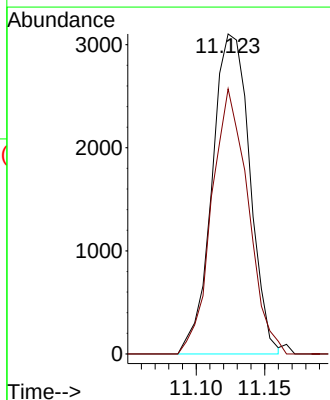
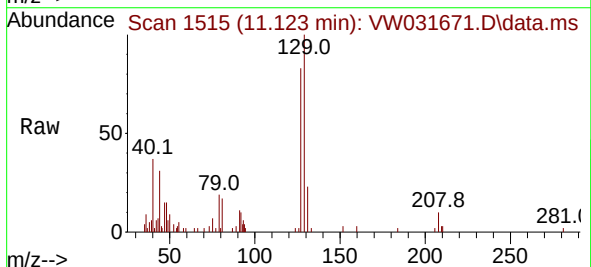
Acq: 31 Jan 2025 16:57

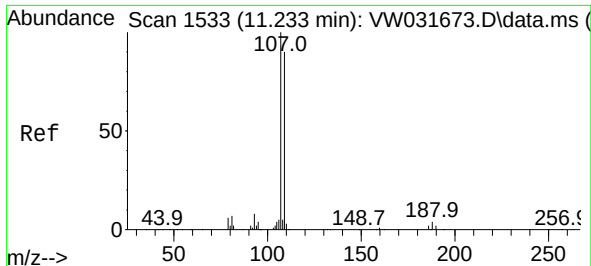
Tgt Ion:129 Resp: 5939

Ion Ratio Lower Upper

129 100

127 82.8 56.4 104.7





#50

1,2-Dibromoethane

Concen: 2.488 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW031671.D

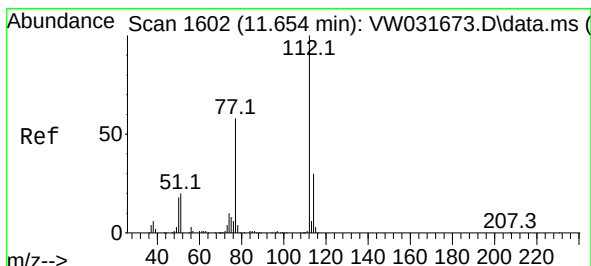
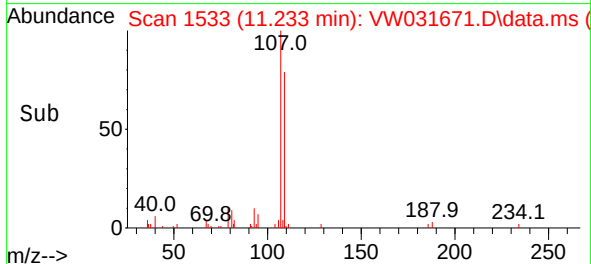
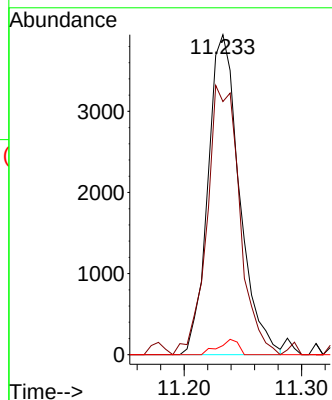
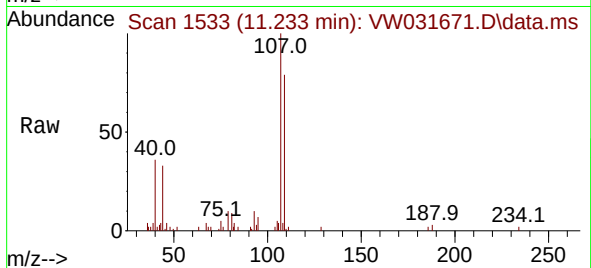
Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	7356
Ion Ratio	Lower	Upper
107	100	
109	79.1	62.9 116.7
188	2.9	3.0 4.4#



#51

Chlorobenzene

Concen: 2.388 ug/L

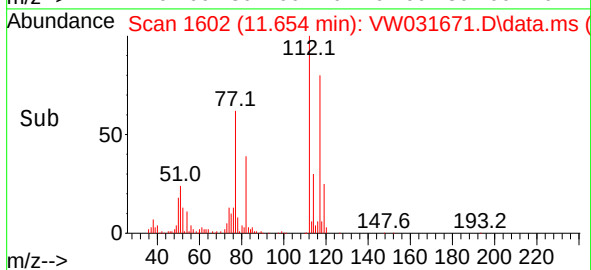
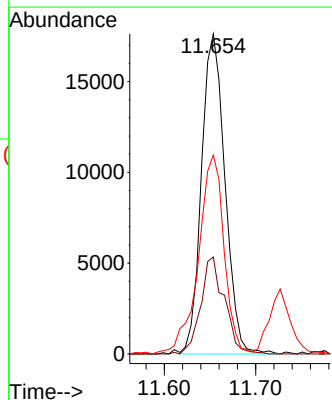
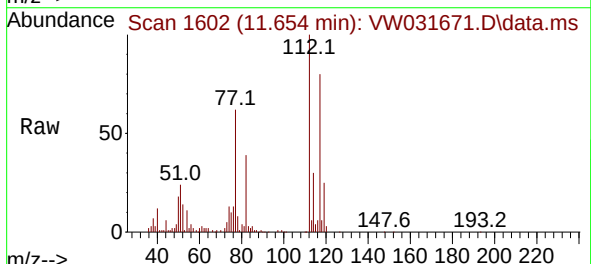
RT: 11.654 min Scan# 1602

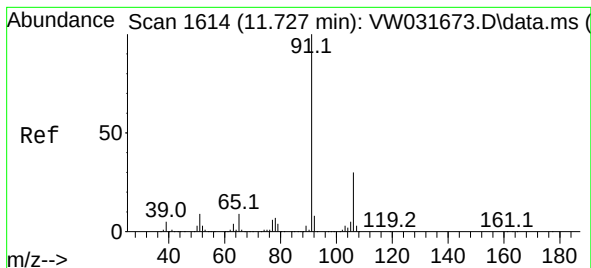
Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Tgt Ion:112	Resp:	31437
Ion Ratio	Lower	Upper
112	100	
114	30.3	21.1 39.3
77	62.2	46.6 69.8





#52

Ethylbenzene

Concen: 2.404 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

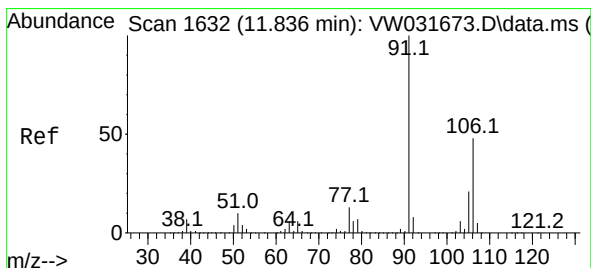
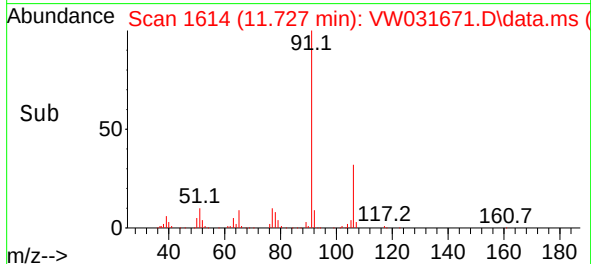
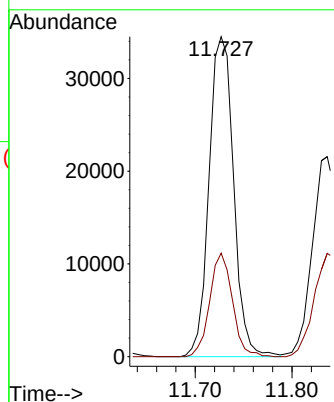
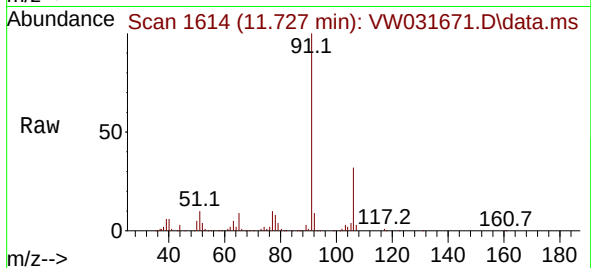
ClientSampleId :

Tgt Ion: 91 Resp: 60742

Ion Ratio Lower Upper

91 100

106 32.4 21.3 39.5



#53

m,p-Xylene

Concen: 2.201 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031671.D

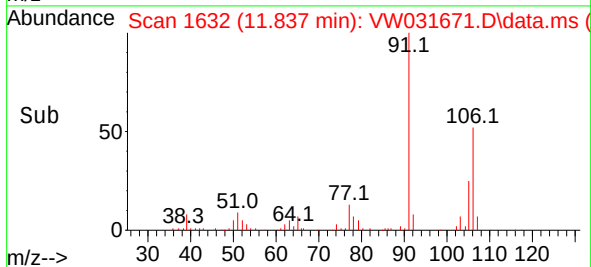
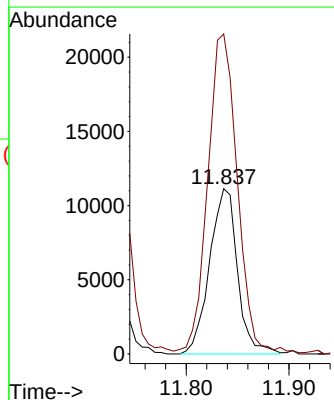
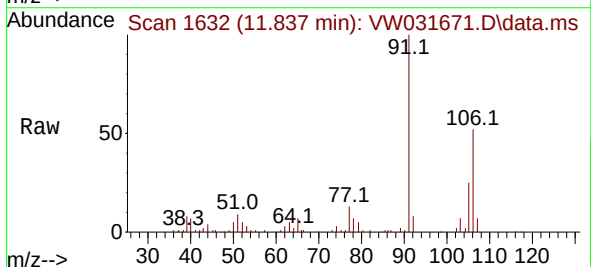
Acq: 31 Jan 2025 16:57

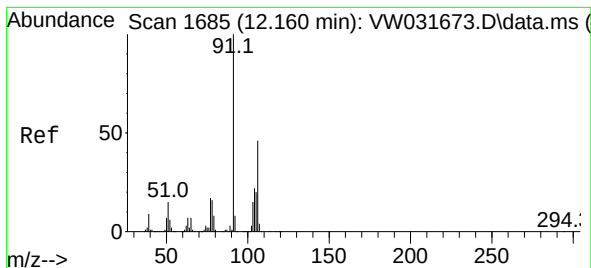
Tgt Ion:106 Resp: 20952

Ion Ratio Lower Upper

106 100

91 193.6 147.2 273.4

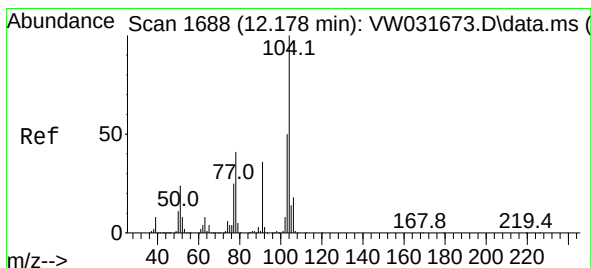
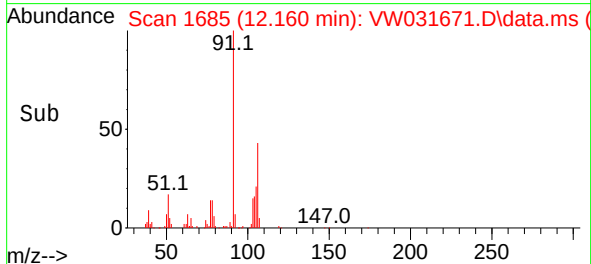
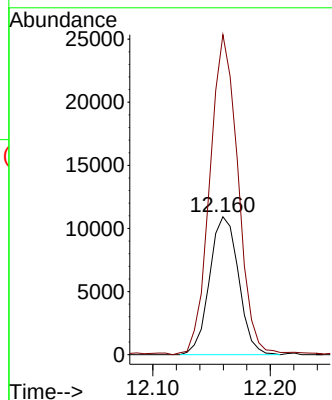
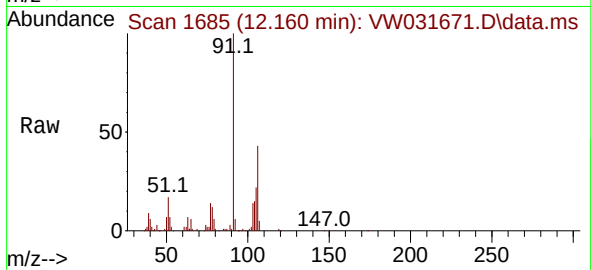




#54
o-Xylene
Concen: 2.141 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

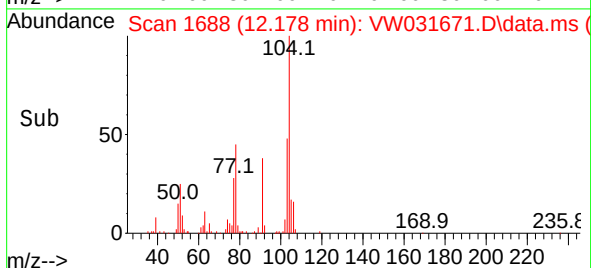
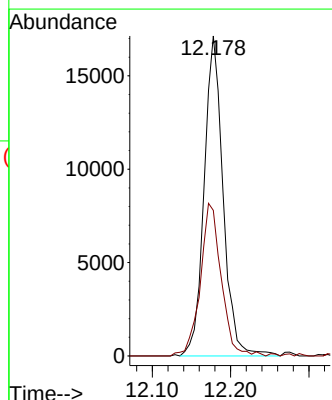
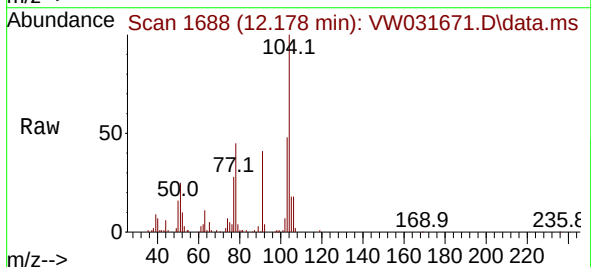
Instrument :
MSVOA_W
ClientSampleId :

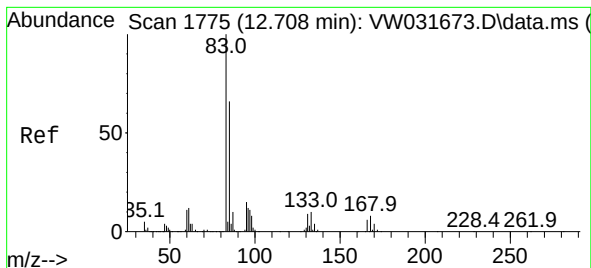
Tgt Ion:106 Resp: 18726
Ion Ratio Lower Upper
106 100
91 231.9 152.7 283.7



#55
Styrene
Concen: 2.019 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion:104 Resp: 28820
Ion Ratio Lower Upper
104 100
78 45.5 29.0 53.9

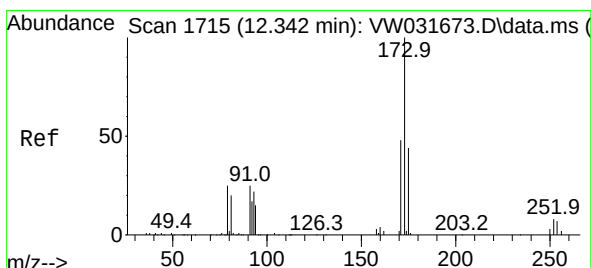
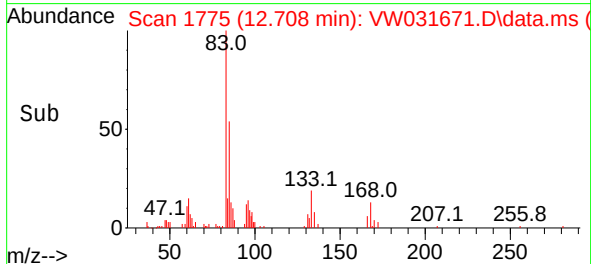
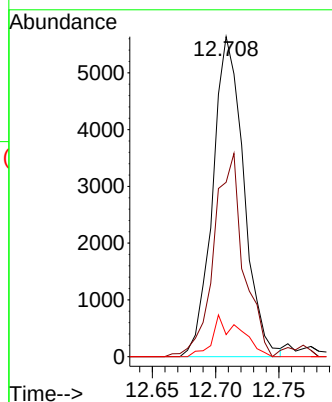
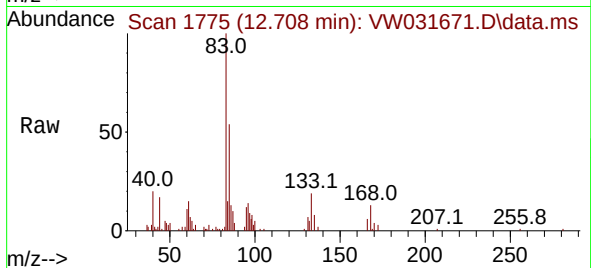




#57
1,1,2,2-Tetrachloroethane
Concen: 2.684 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

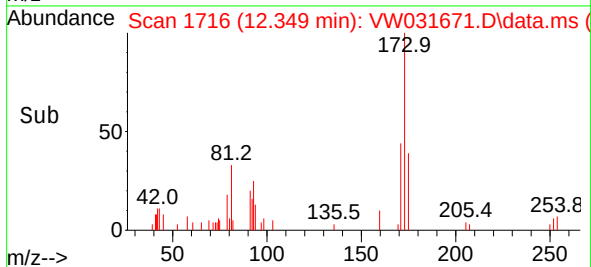
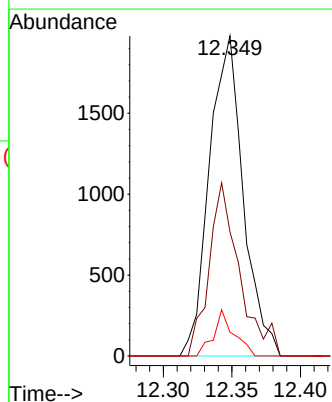
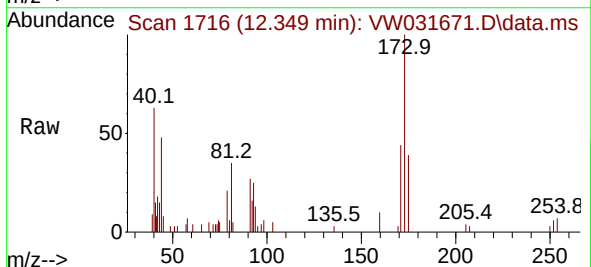
Instrument :
MSVOA_W
ClientSampleId :

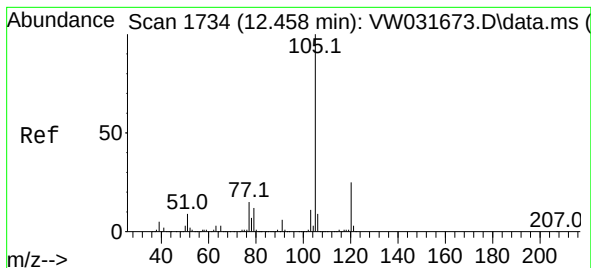
Tgt Ion: 83 Resp: 9640
Ion Ratio Lower Upper
83 100
85 54.5 46.3 86.1
131 6.9 7.1 10.7#



#59
Bromoform
Concen: 2.174 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion:173 Resp: 3397
Ion Ratio Lower Upper
173 100
175 48.8 37.3 55.9
254 8.6 6.9 10.3





#60

Isopropylbenzene

Concen: 2.625 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

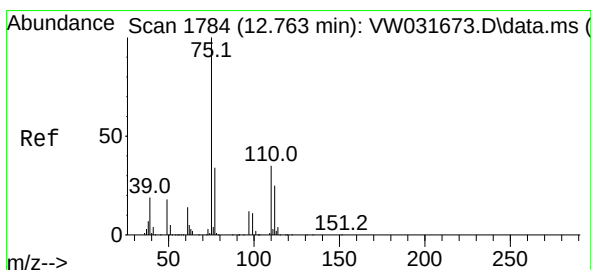
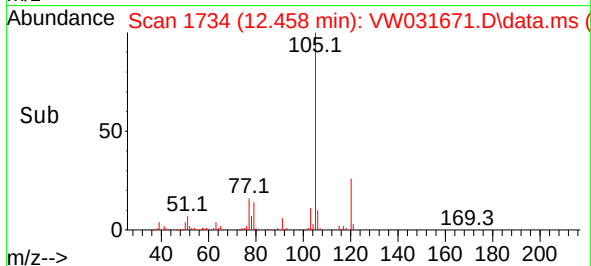
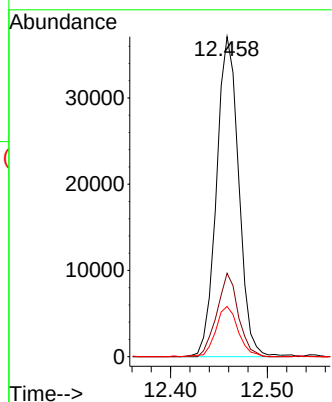
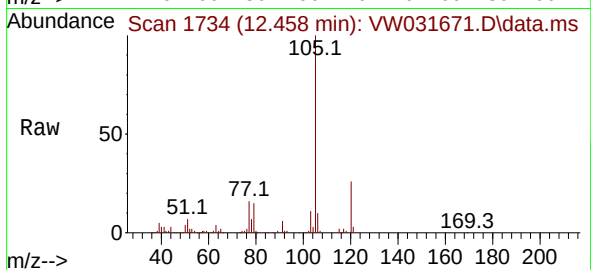
Tgt Ion:105 Resp: 59079

Ion Ratio Lower Upper

105 100

120 25.1 20.7 31.1

77 15.6 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 3.360 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

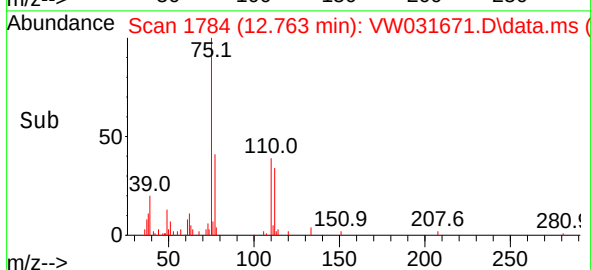
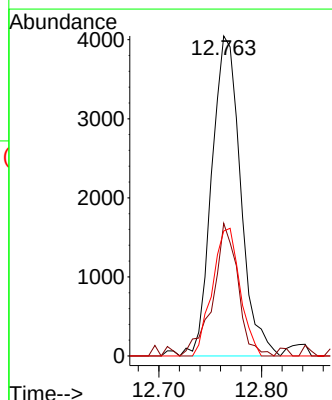
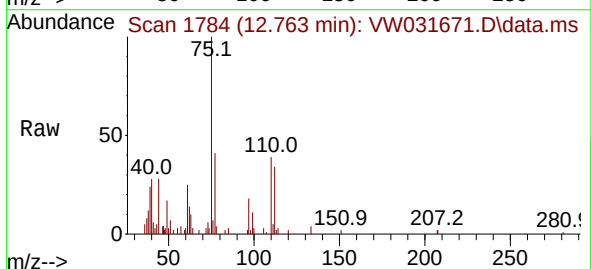
Tgt Ion: 75 Resp: 7861

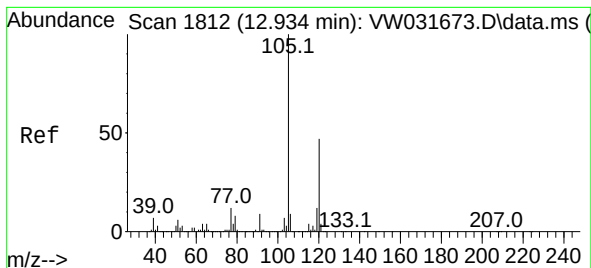
Ion Ratio Lower Upper

75 100

77 35.8 27.4 41.2

110 38.3 29.8 44.8

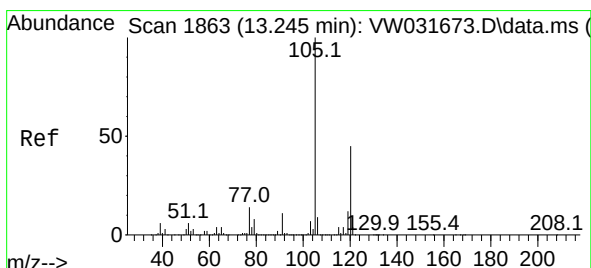
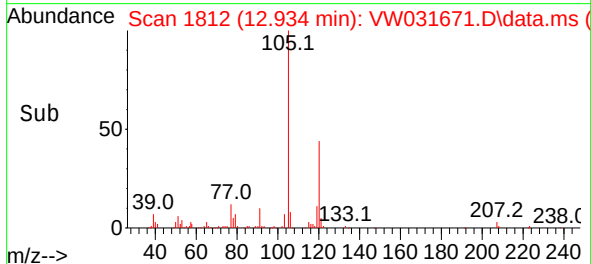
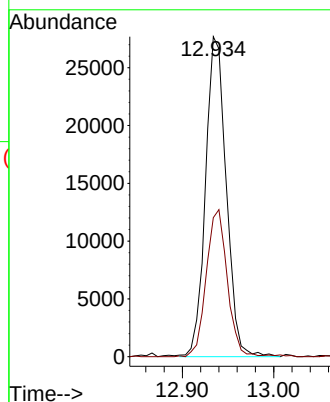
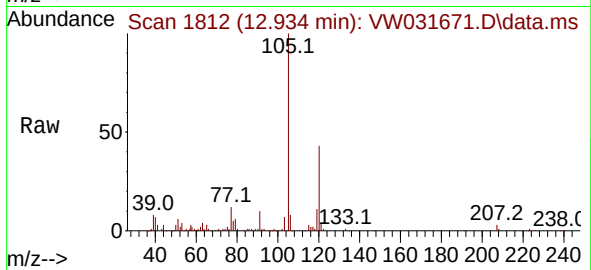




#62
1,3,5-Trimethylbenzene
Concen: 2.398 ug/L
RT: 12.934 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

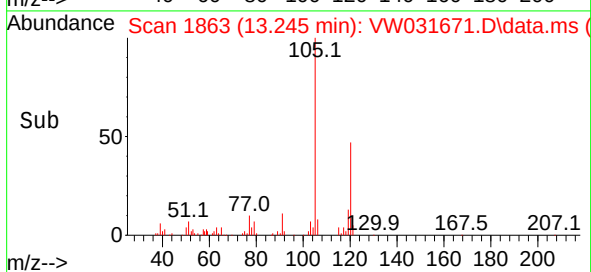
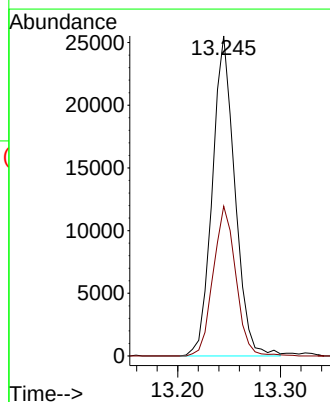
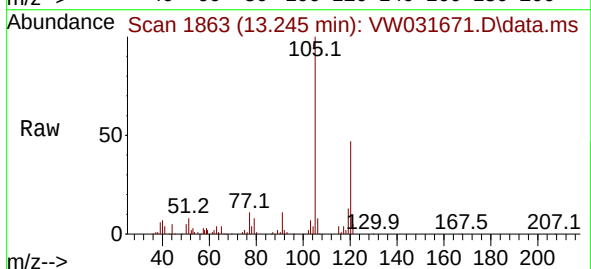
Instrument :
MSVOA_W
ClientSampleId :

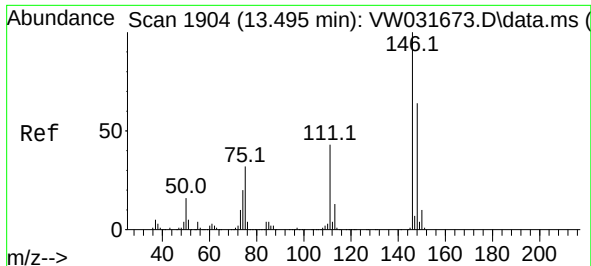
Tgt Ion:105 Resp: 43554
Ion Ratio Lower Upper
105 100
120 46.2 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 2.248 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031671.D
Acq: 31 Jan 2025 16:57

Tgt Ion:105 Resp: 38917
Ion Ratio Lower Upper
105 100
120 46.5 35.1 52.7





#64

1,3-Dichlorobenzene

Concen: 2.343 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031671.D

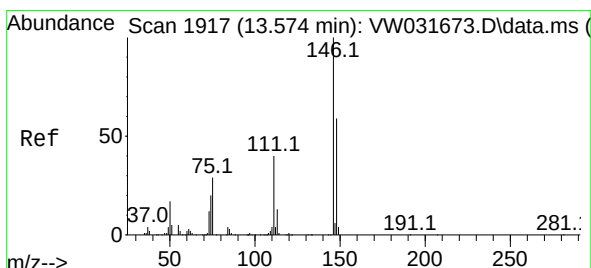
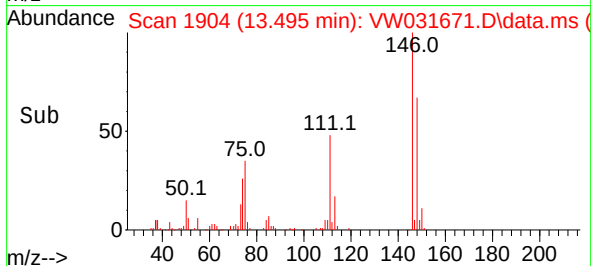
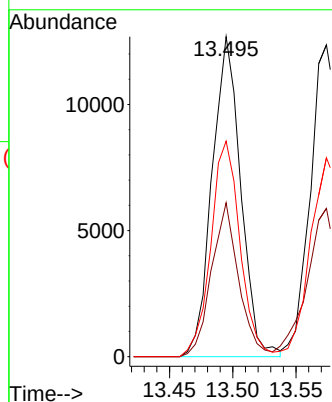
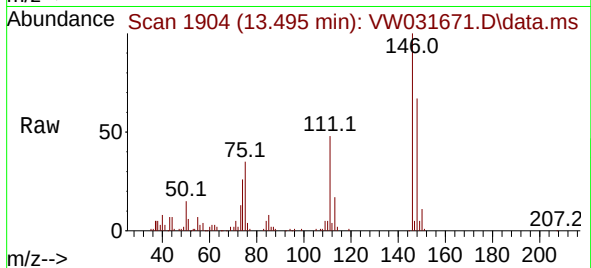
Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	19950
Ion Ratio	Lower	Upper
146	100	
111	48.1	30.2 56.2
148	67.4	44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 2.521 ug/L

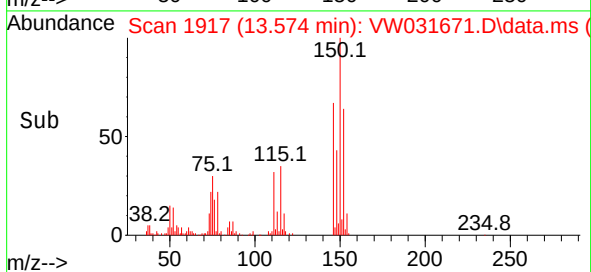
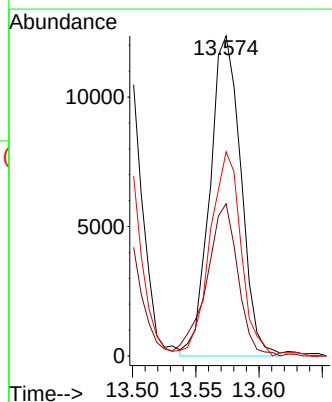
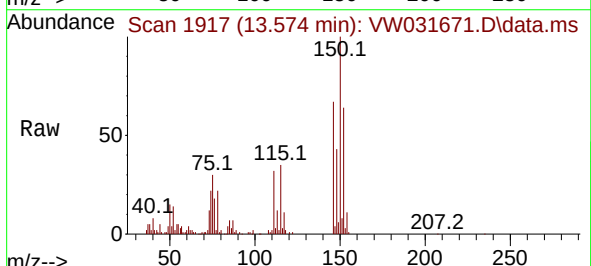
RT: 13.574 min Scan# 1917

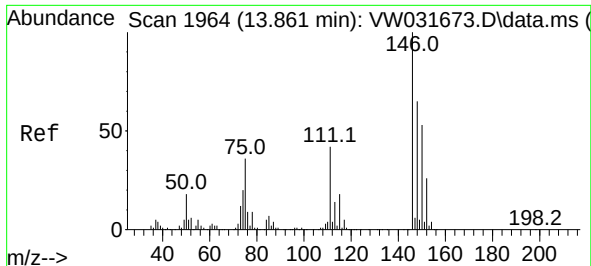
Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Tgt Ion:146	Resp:	21068
Ion Ratio	Lower	Upper
146	100	
111	47.6	28.1 52.3
148	63.8	41.4 77.0





#67

1,2-Dichlorobenzene

Concen: 2.411 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

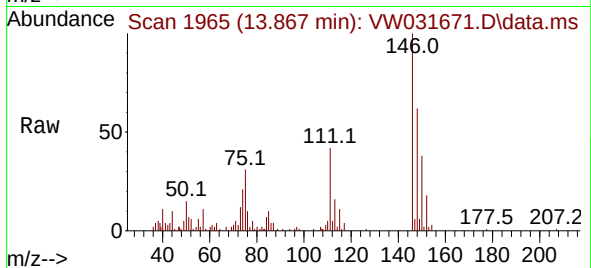
Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :



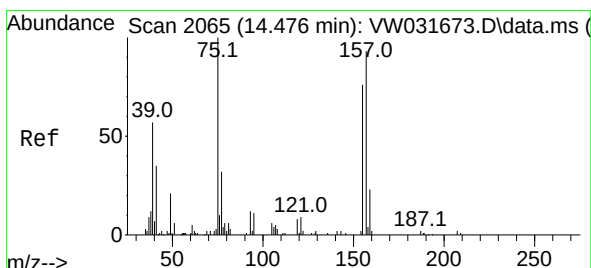
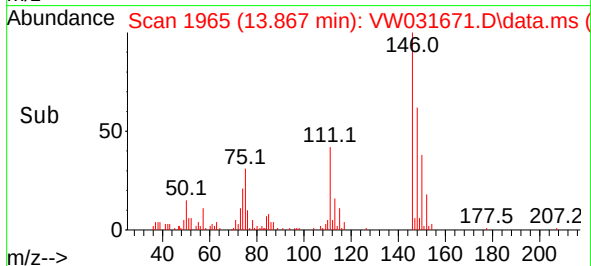
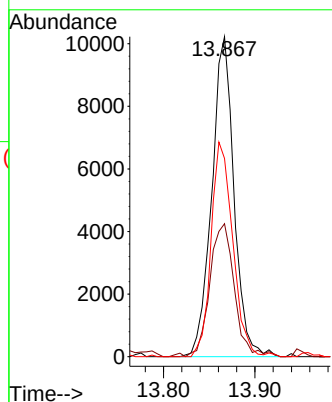
Tgt Ion:146 Resp: 17275

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.0

148 61.9 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.273 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

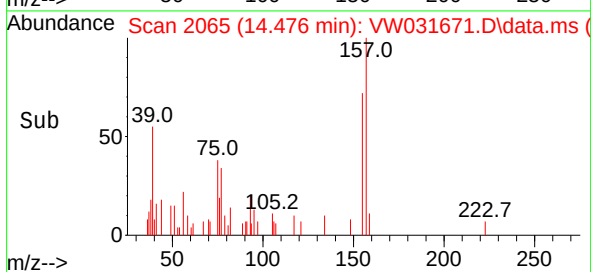
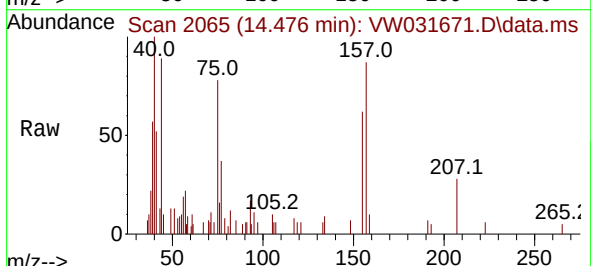
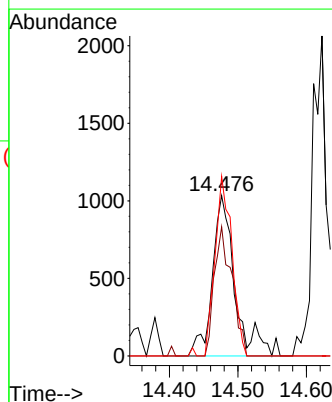
Tgt Ion: 75 Resp: 2368

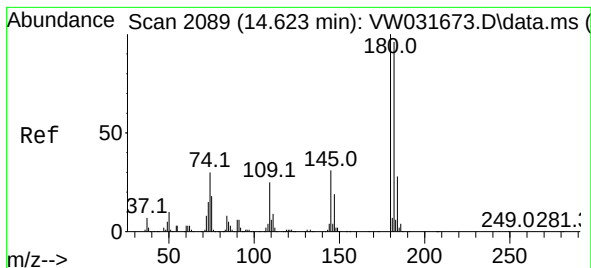
Ion Ratio Lower Upper

75 100

155 80.5 60.6 91.0

157 112.0 74.1 111.1#





#69

1,3,5-Trichlorobenzene

Concen: 2.376 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

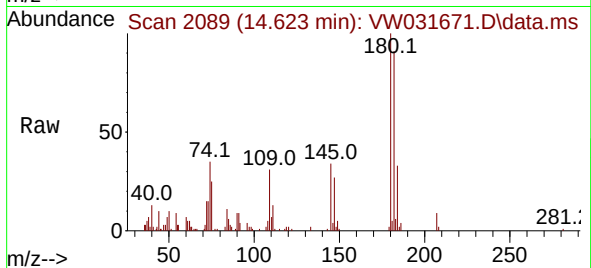
Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 13634

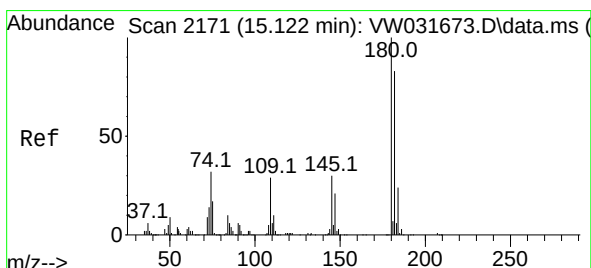
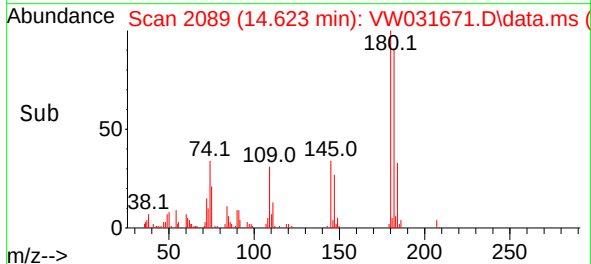
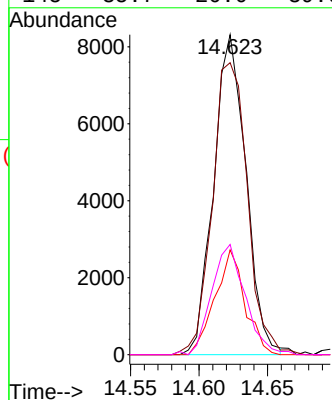
Ion Ratio Lower Upper

180 100

182 99.0 75.1 112.7

184 30.4 23.7 35.5

145 35.7 26.0 39.0



#70

1,2,4-trichlorobenzene

Concen: 2.397 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

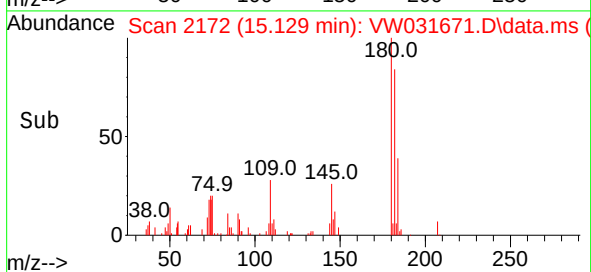
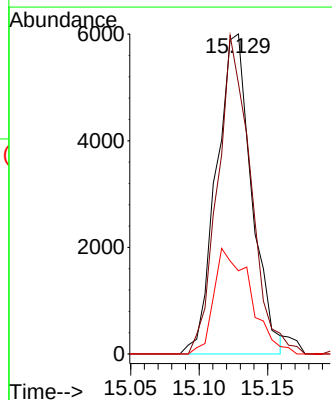
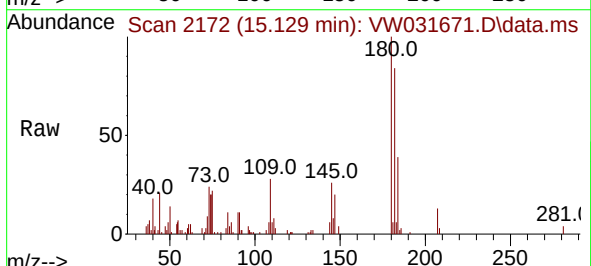
Tgt Ion:180 Resp: 10747

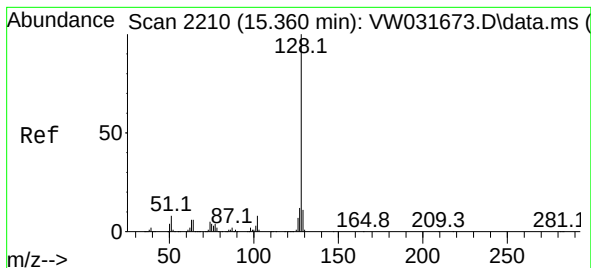
Ion Ratio Lower Upper

180 100

182 93.2 73.0 109.4

145 22.7 26.7 40.1#





#71

Naphthalene

Concen: 2.467 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW031671.D

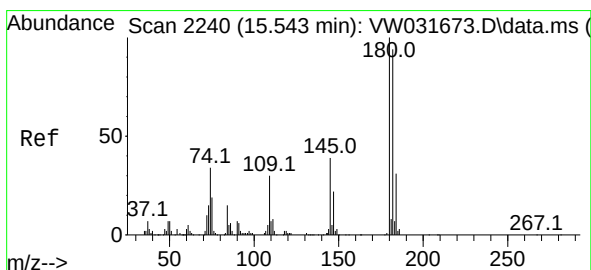
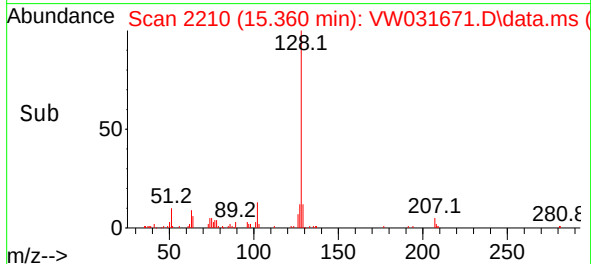
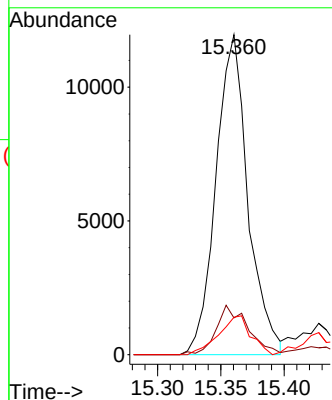
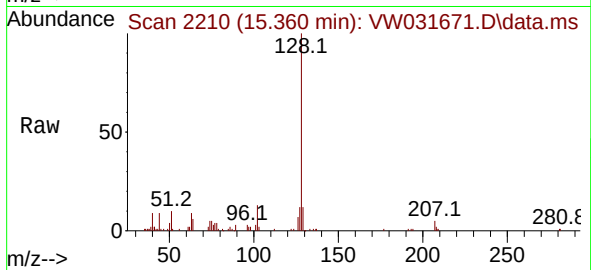
Acq: 31 Jan 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:128	Resp:	21025
Ion Ratio	Lower	Upper
128	100	
127	15.4	9.9 14.9#
129	12.2	9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 2.264 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW031671.D

Acq: 31 Jan 2025 16:57

Tgt Ion:180	Resp:	8595
Ion Ratio	Lower	Upper
180	100	
182	105.9	78.2 117.4
145	39.9	30.2 45.4

