

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012725\
 Data File : VW031600.D
 Acq On : 27 Jan 2025 18:06
 Operator : SY/MD
 Sample : Q1190-11
 Misc : 4.77g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 28 00:27:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jan 28 00:17:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	456379	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	195427	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	29839	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.363	65	282925	39.507	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 158.040%#	
7) Chloroethane-d5	2.899	69	213112	41.670	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 166.680%#	
11) 1,1-Dichloroethene-d2	4.015	65	112662	35.358	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 141.440%#	
21) 2-Butanone-d5	7.081	46	156913	136.303	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 272.600%#	
24) Chloroform-d	7.648	84	446417	37.796	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 151.200%#	
26) 1,2-Dichloroethane-d4	8.301	65	223276	38.407	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 153.640%#	
32) Benzene-d6	8.270	84	781169	63.636	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 254.560%#	
36) 1,2-Dichloropropane-d6	9.270	67	251510	69.393	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 277.560%#	
41) Toluene-d8	10.319	98	463009	41.782	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 167.120%#	
43) trans-1,3-Dichloroprop...	10.575	79	52482	35.261	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 141.040%#	
47) 2-Hexanone-d5	10.922	63	59096	159.774	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 319.540%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	108945	49.153	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 196.600%#	
66) 1,2-Dichlorobenzene-d4	13.848	152	32375	30.934	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 123.720%#	

Target Compounds

					Qvalue
3) Chloromethane	2.216	50	4901	0.797	ug/L 96
12) 1,1-Dichloroethene	4.021	96	2428	0.400	ug/L # 1
13) Acetone	4.149	43	73746	83.235	ug/L 94
14) Carbon disulfide	4.387	76	10815	0.529	ug/L 99
16) Methylene chloride	4.917	84	624	0.100	ug/L # 76
22) 2-Butanone	7.191	43	8956	5.919	ug/L 78
29) Cyclohexane	7.947	56	3952	0.631	ug/L # 70
33) Benzene	8.319	78	403216	30.147	ug/L 100
35) Methylcyclohexane	9.331	83	1671	0.259	ug/L # 82
39) cis-1,3-Dichloropropene	10.032	75	4848	0.917	ug/L # 69
42) Toluene	10.386	91	141616	10.129	ug/L 95
46) Tetrachloroethene	10.855	164	4179	1.619	ug/L 93
49) Dibromochloromethane	10.861	129	4494	1.896	ug/L # 12
52) Ethylbenzene	11.727	91	19150	1.194	ug/L 99
53) m,p-Xylene	11.830	106	7956	1.301	ug/L 91
54) o-Xylene	12.160	106	3583	0.630	ug/L 92
61) 1,2,3-Trichloropropane	12.593	75	775	1.383	ug/L # 77
63) 1,2,4-Trimethylbenzene	13.245	105	2271	0.544	ug/L 96
67) 1,2-Dichlorobenzene	13.861	146	774	0.438	ug/L # 82

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jan 28 00:17:29 2025
Response via : Initial Calibration

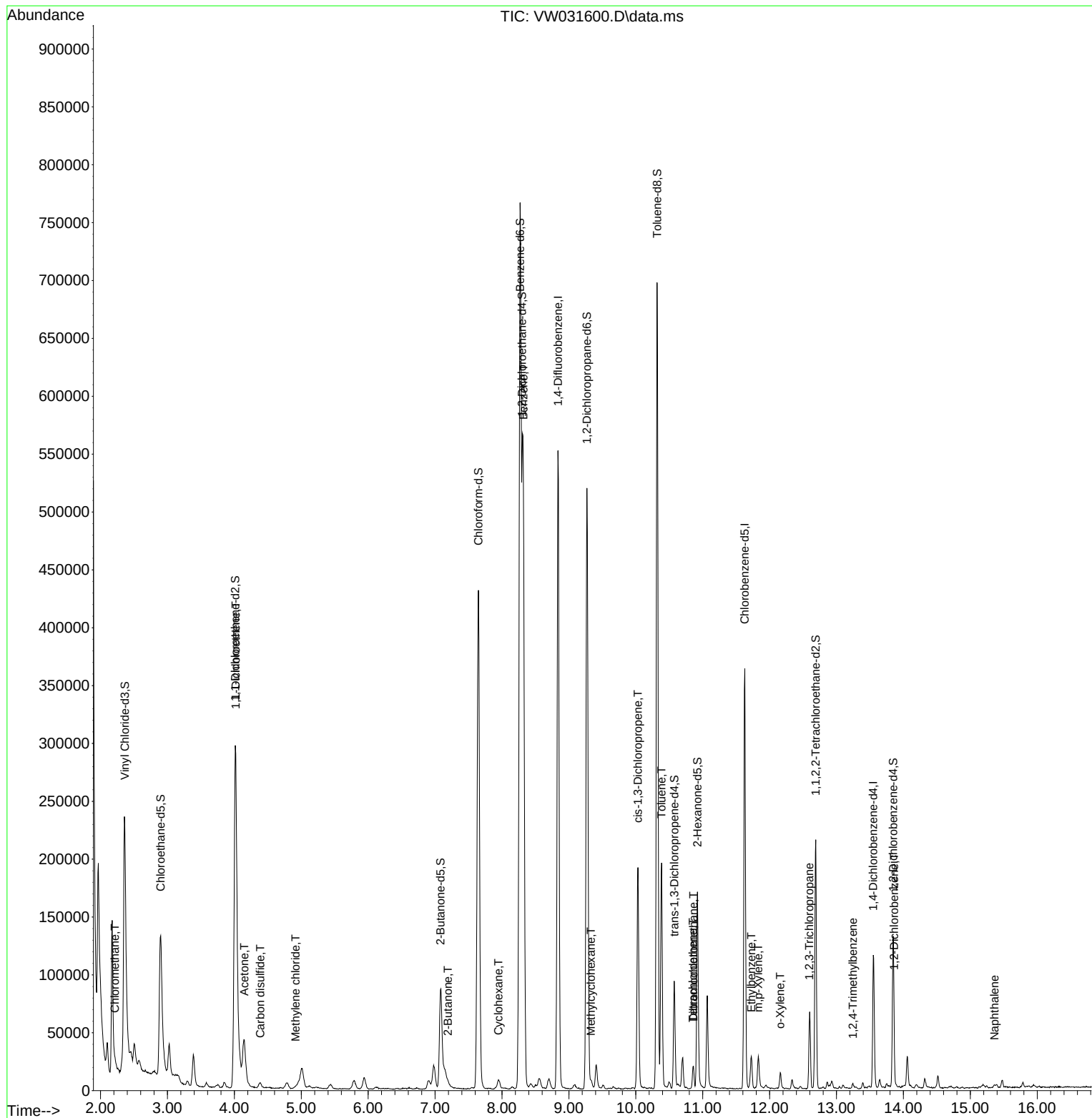
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.360	128	2385	1.140	ug/L	# 89

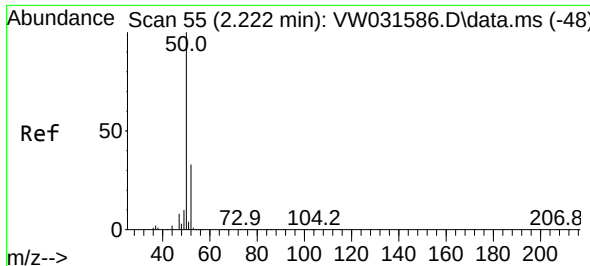
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 28 00:27:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jan 28 00:17:29 2025
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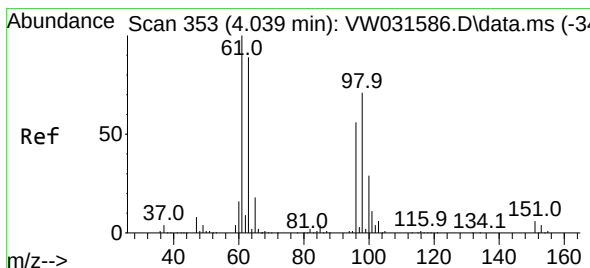
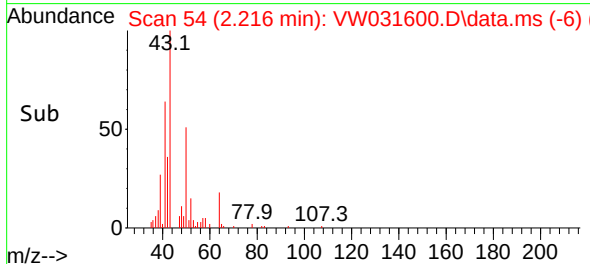
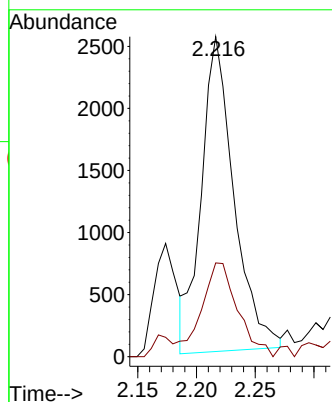
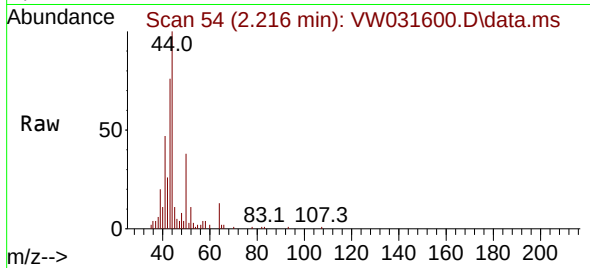




#3
Chloromethane
Concen: 0.797 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

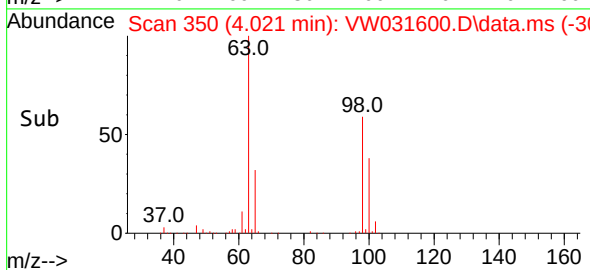
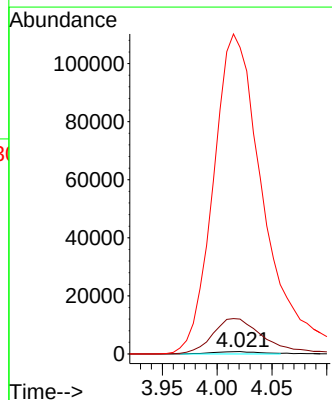
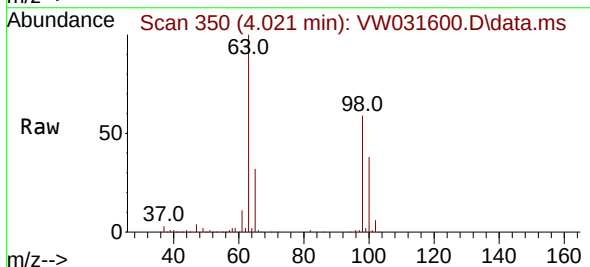
Instrument :
MSVOA_W
ClientSampleId :

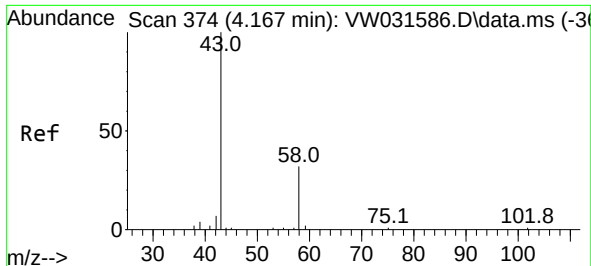
Tgt Ion: 50 Resp: 4901
Ion Ratio Lower Upper
50 100
52 29.3 22.3 41.3



#12
1,1-Dichloroethene
Concen: 0.400 ug/L
RT: 4.021 min Scan# 350
Delta R.T. -0.018 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Tgt Ion: 96 Resp: 2428
Ion Ratio Lower Upper
96 100
61 1438.6 123.8 230.0#
63 12643.8 94.1 174.8#

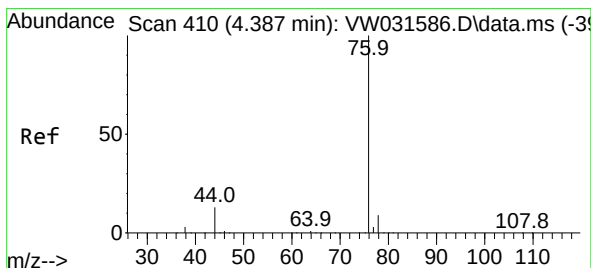
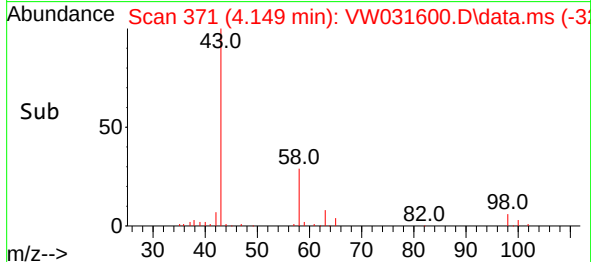
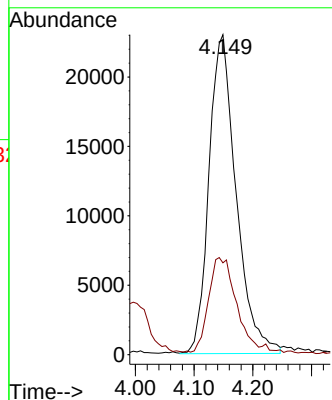
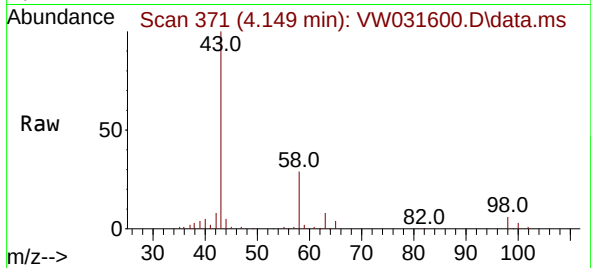




#13
Acetone
Concen: 83.235 ug/L
RT: 4.149 min Scan# 371
Delta R.T. -0.018 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

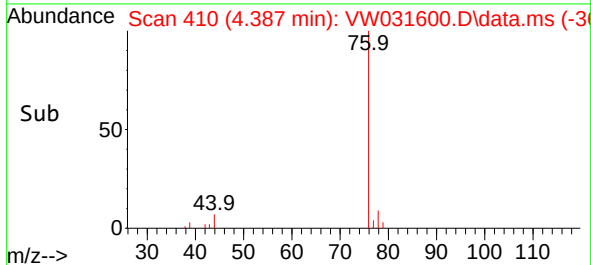
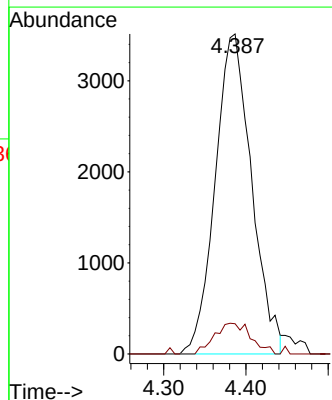
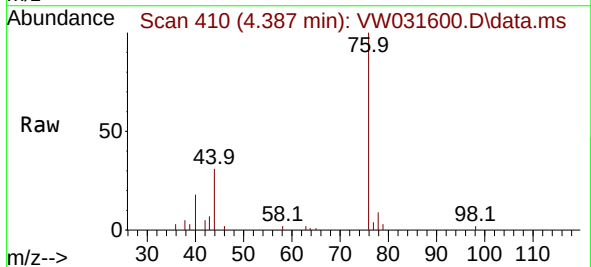
Instrument :
MSVOA_W
ClientSampleId :

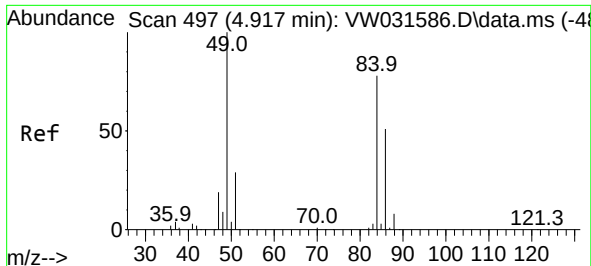
Tgt Ion: 43 Resp: 73746
Ion Ratio Lower Upper
43 100
58 16.5 0.0 28.2



#14
Carbon disulfide
Concen: 0.529 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Tgt Ion: 76 Resp: 10815
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

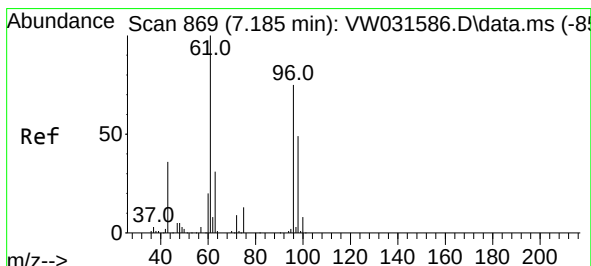
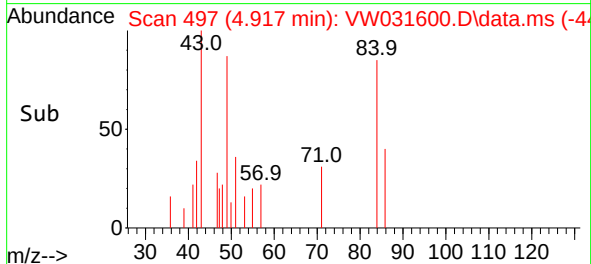
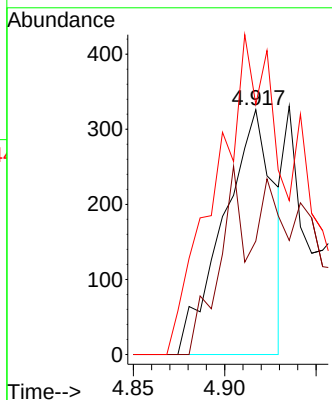
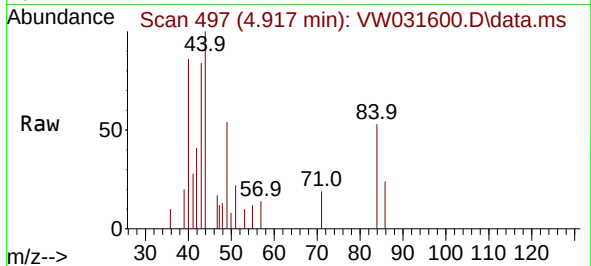




#16
Methylene chloride
Concen: 0.100 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.000 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

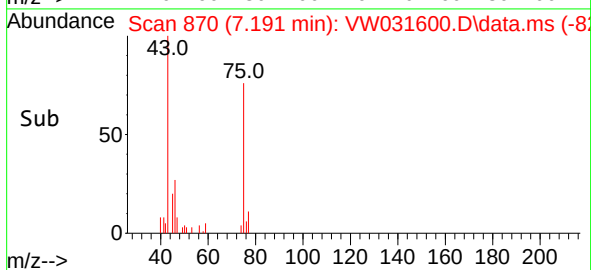
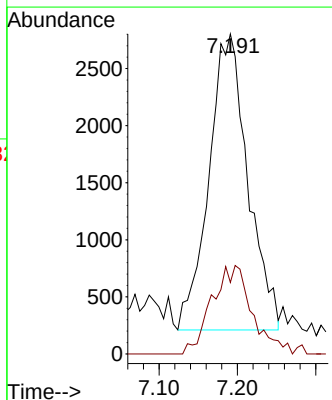
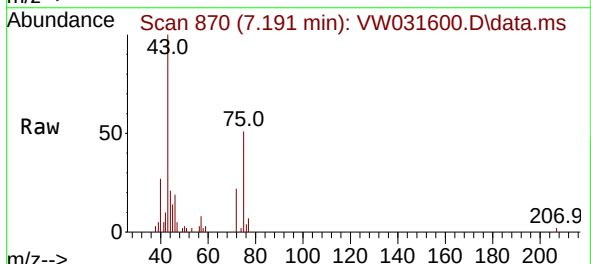
Instrument :
MSVOA_W
ClientSampleId :

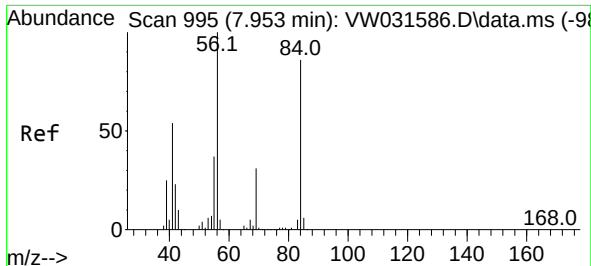
Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
86 46.3 47.0 87.2#
49 102.1 89.8 166.8



#22
2-Butanone
Concen: 5.919 ug/L
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Tgt Ion: 43 Resp: 8956
Ion Ratio Lower Upper
43 100
72 15.2 13.2 39.5





#29

Cyclohexane

Concen: 0.631 ug/L

RT: 7.947 min Scan# 995

Delta R.T. -0.006 min

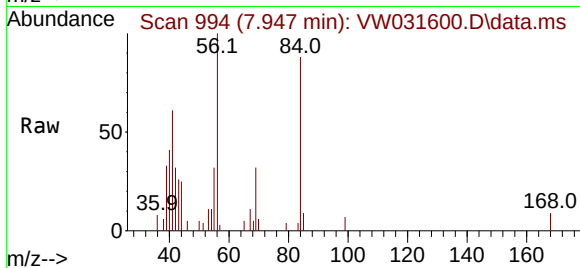
Lab File: VW031600.D

Acq: 27 Jan 2025 18:06

Instrument :

MSVOA_W

ClientSampleId :



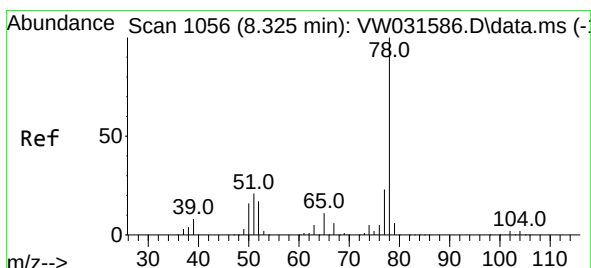
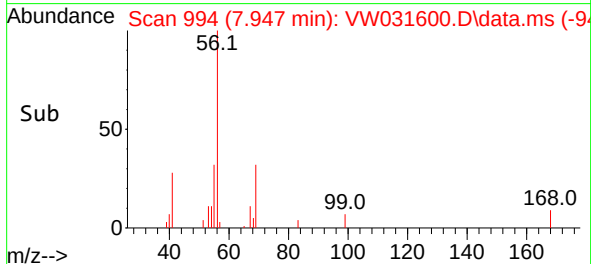
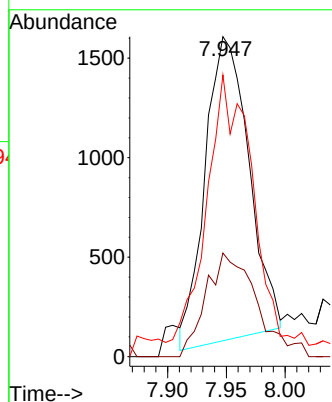
Tgt Ion: 56 Resp: 3952

Ion Ratio Lower Upper

56 100

69 35.4 25.2 37.8

84 48.5 66.3 99.5#



#33

Benzene

Concen: 30.147 ug/L

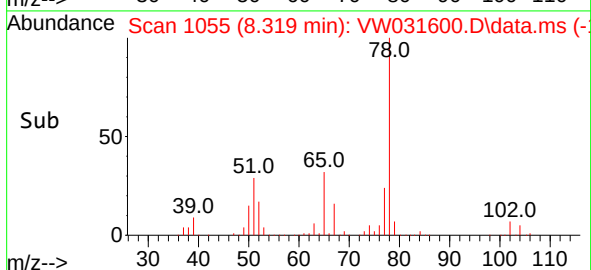
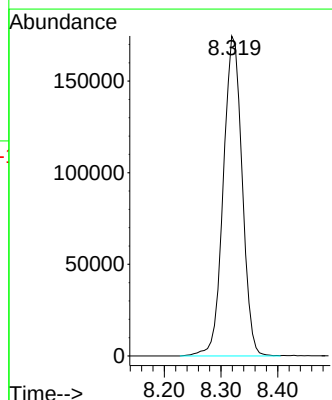
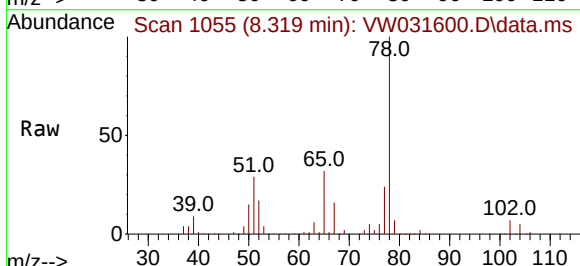
RT: 8.319 min Scan# 1055

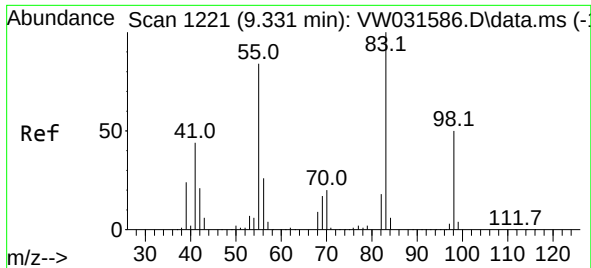
Delta R.T. -0.006 min

Lab File: VW031600.D

Acq: 27 Jan 2025 18:06

Tgt Ion: 78 Resp: 403216

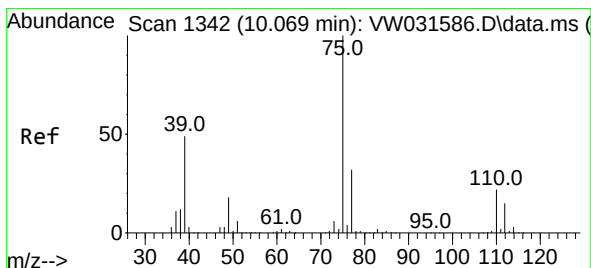
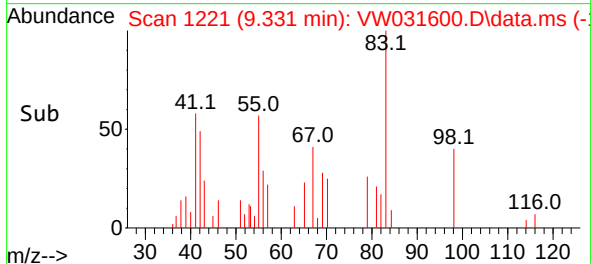
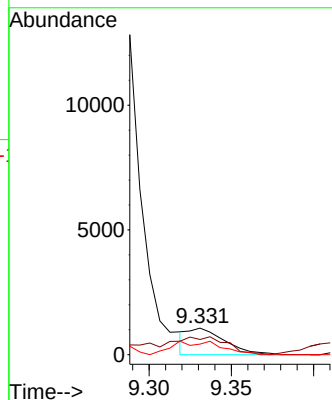
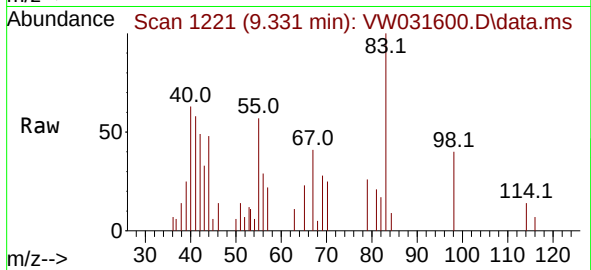




#35
Methylcyclohexane
Concen: 0.259 ug/L
RT: 9.331 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

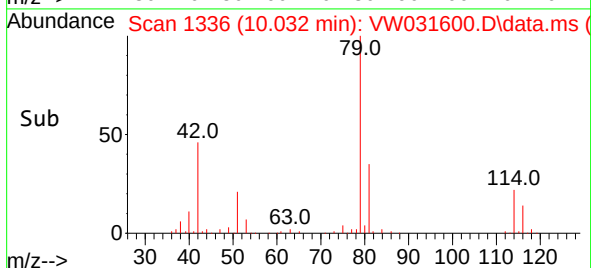
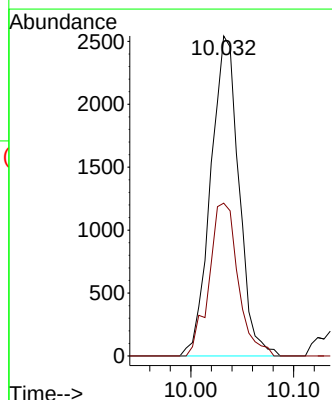
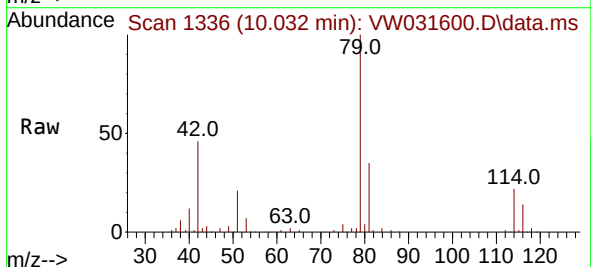
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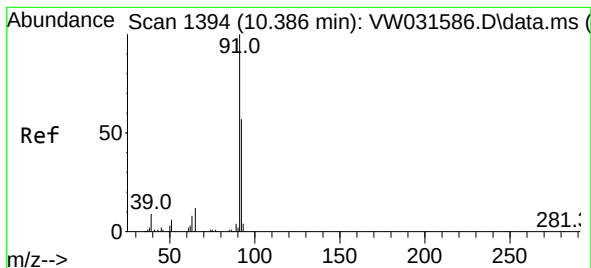
Tgt Ion: 83 Resp: 1671
Ion Ratio Lower Upper
83 100
55 95.0 63.4 95.2
98 36.9 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.917 ug/L
RT: 10.032 min Scan# 1336
Delta R.T. -0.037 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Tgt Ion: 75 Resp: 4848
Ion Ratio Lower Upper
75 100
77 47.7 21.6 40.2#





#42

Toluene

Concen: 10.129 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031600.D

Acq: 27 Jan 2025 18:06

Instrument :

MSVOA_W

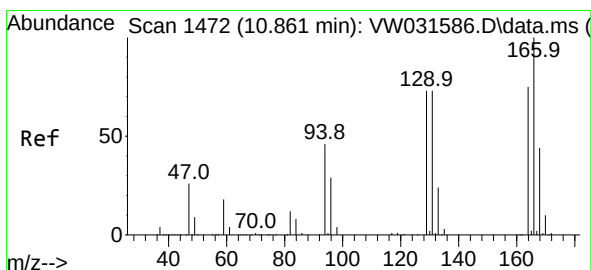
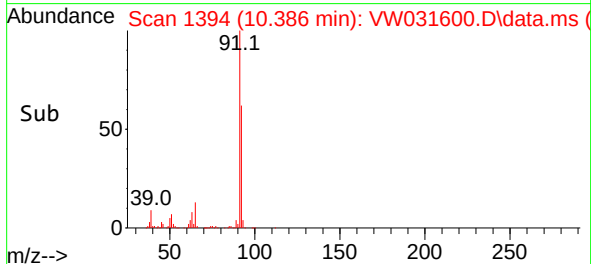
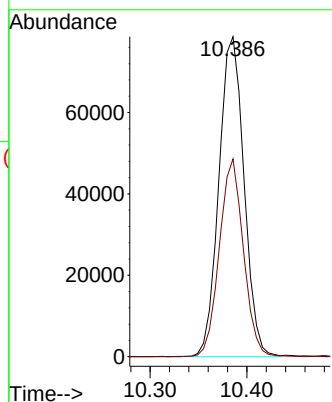
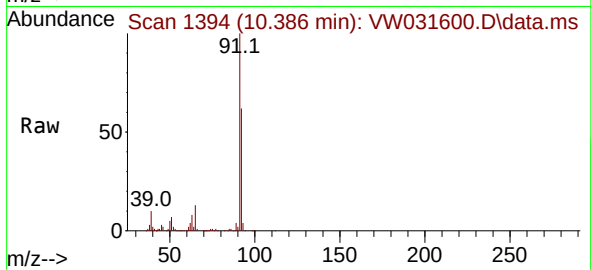
ClientSampleId :

Tgt Ion: 91 Resp: 141616

Ion Ratio Lower Upper

91 100

92 61.8 40.6 75.4



#46

Tetrachloroethene

Concen: 1.619 ug/L

RT: 10.855 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VW031600.D

Acq: 27 Jan 2025 18:06

Tgt Ion:164 Resp: 4179

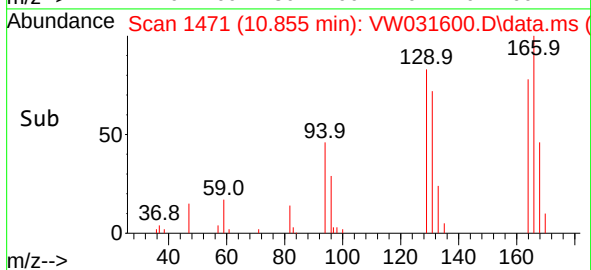
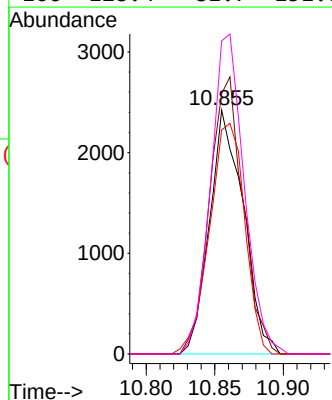
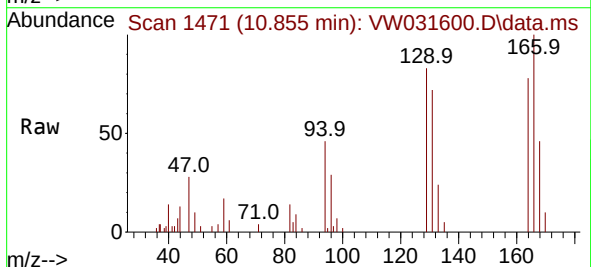
Ion Ratio Lower Upper

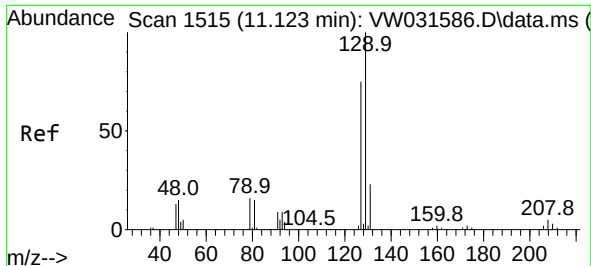
164 100

129 106.7 69.8 129.6

131 91.9 63.1 117.1

166 128.4 81.7 151.7

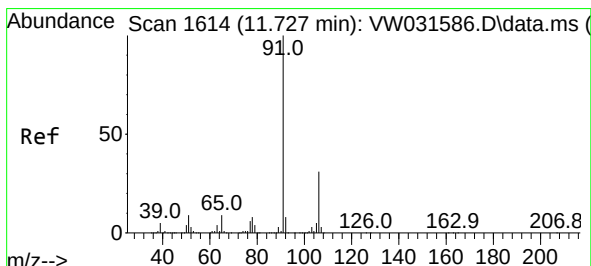
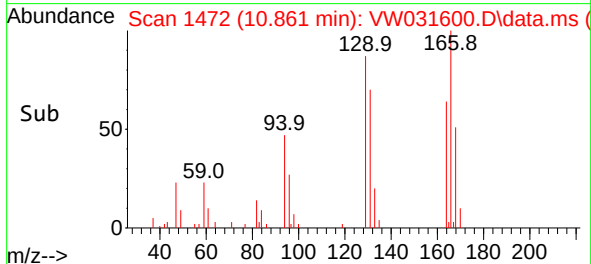
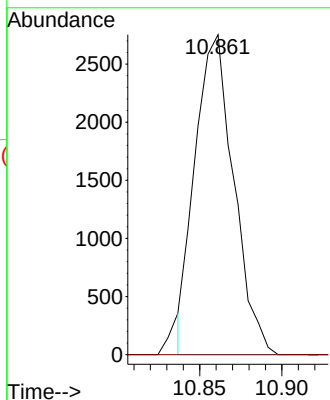
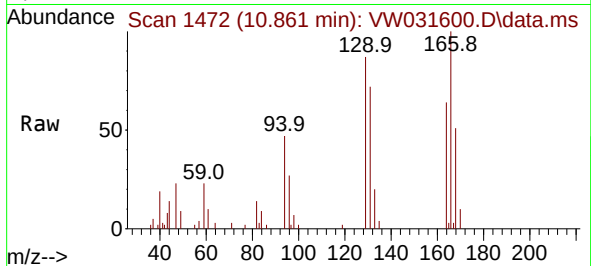




#49
Dibromochloromethane
Concen: 1.896 ug/L
RT: 10.861 min Scan# 14
Delta R.T. -0.262 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

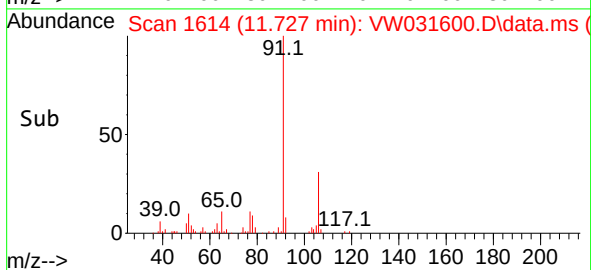
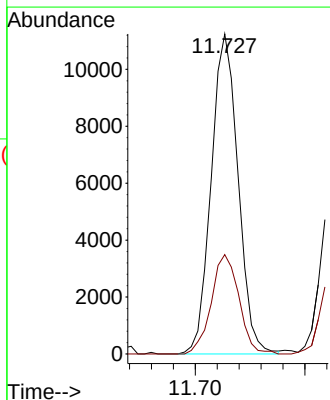
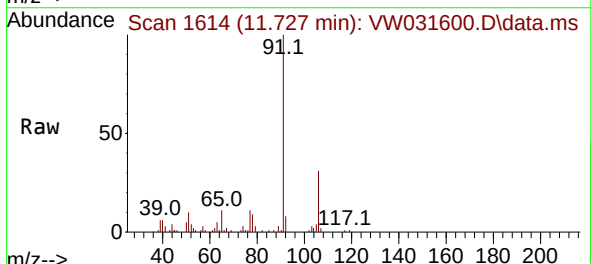
Instrument :
MSVOA_W
ClientSampleId :

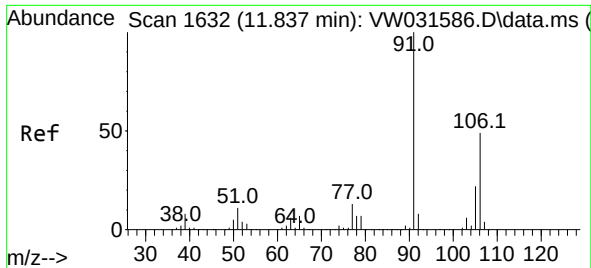
Tgt Ion:129 Resp: 4494
Ion Ratio Lower Upper
129 100
127 0.0 53.0 98.4#



#52
Ethylbenzene
Concen: 1.194 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Tgt Ion: 91 Resp: 19150
Ion Ratio Lower Upper
91 100
106 31.1 22.3 41.3

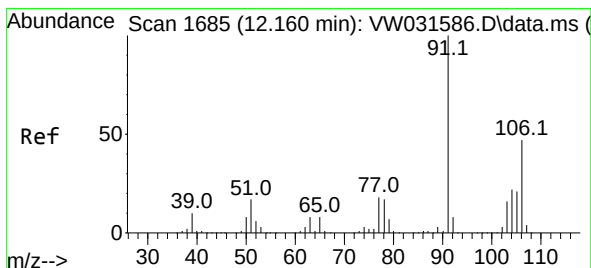
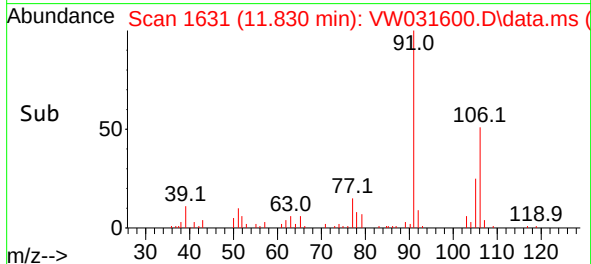
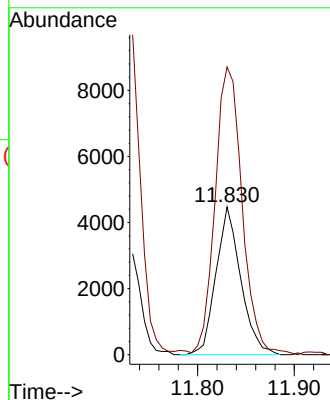
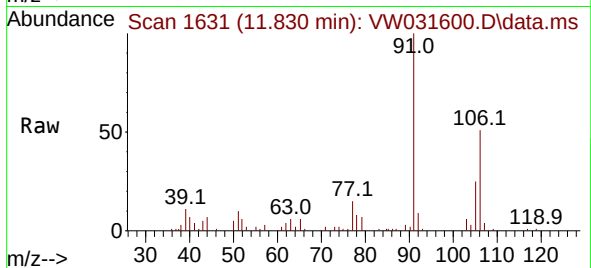




#53
m,p-Xylene
Concen: 1.301 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

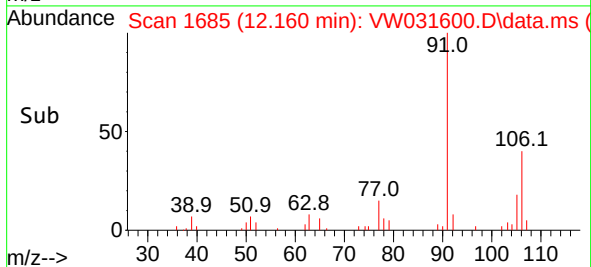
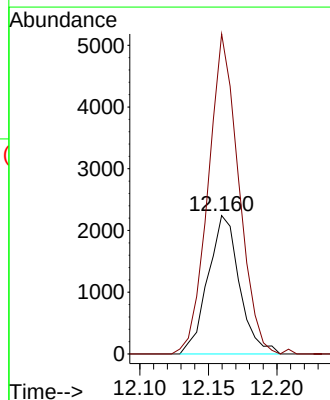
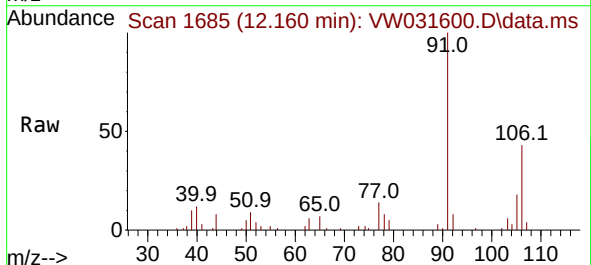
Instrument :
MSVOA_W
ClientSampleId :

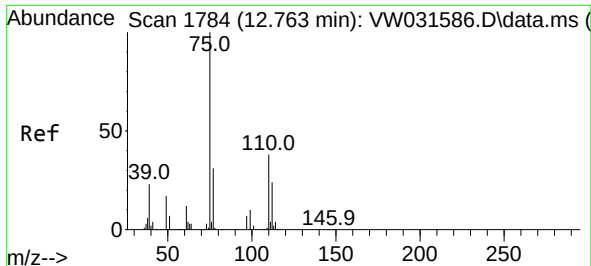
Tgt Ion:106 Resp: 7956
Ion Ratio Lower Upper
106 100
91 194.8 145.9 270.9



#54
o-Xylene
Concen: 0.630 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

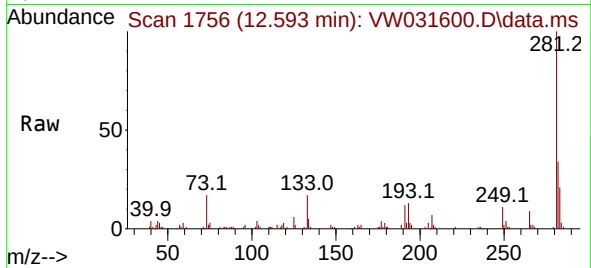
Tgt Ion:106 Resp: 3583
Ion Ratio Lower Upper
106 100
91 231.2 152.9 284.1



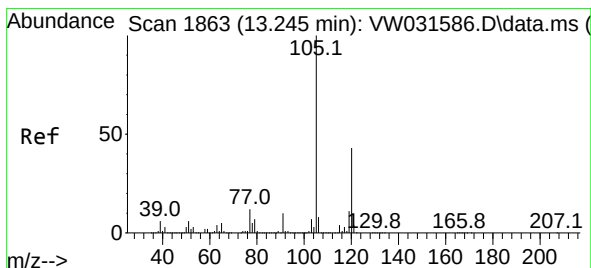
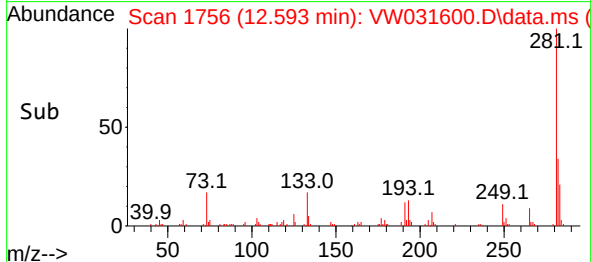
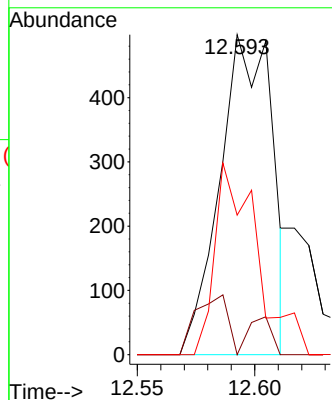


#61
1,2,3-Trichloropropane
Concen: 1.383 ug/L
RT: 12.593 min Scan# 1756
Delta R.T. -0.171 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Instrument :
MSVOA_W
ClientSampleId :

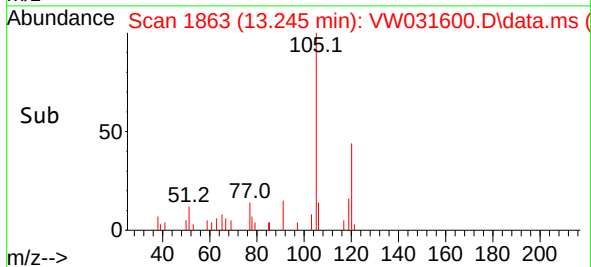
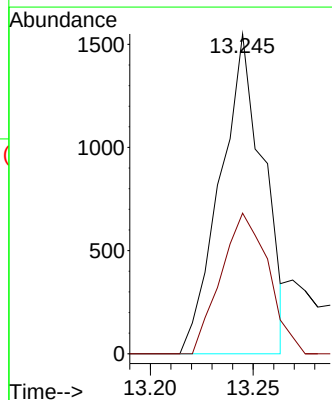
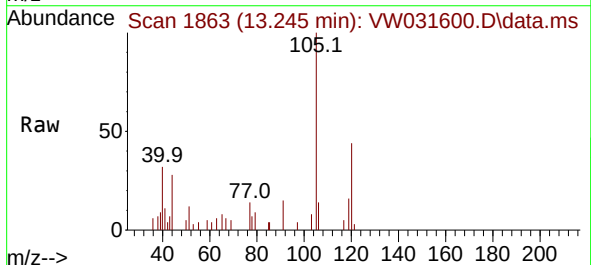


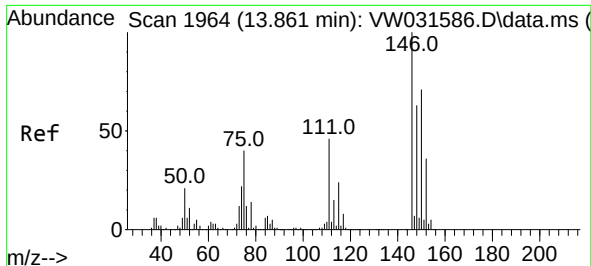
Tgt Ion: 75 Resp: 775
Ion Ratio Lower Upper
75 100
77 11.4 26.2 39.2#
110 42.3 29.6 44.4



#63
1,2,4-Trimethylbenzene
Concen: 0.544 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031600.D
Acq: 27 Jan 2025 18:06

Tgt Ion:105 Resp: 2271
Ion Ratio Lower Upper
105 100
120 48.2 36.3 54.5





#67

1,2-Dichlorobenzene

Concen: 0.438 ug/L

RT: 13.861 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VW031600.D

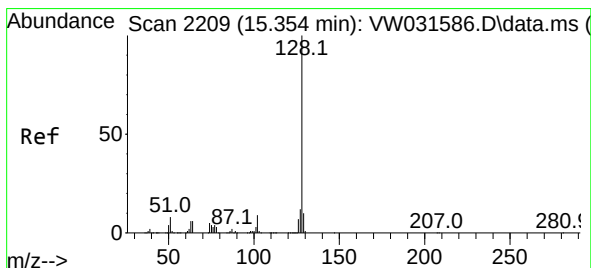
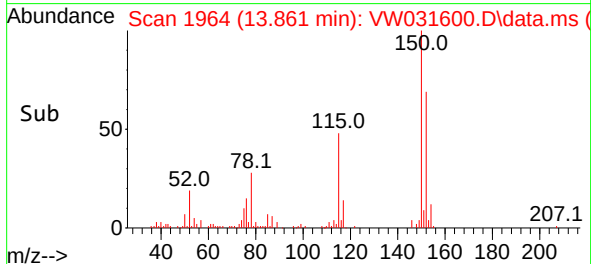
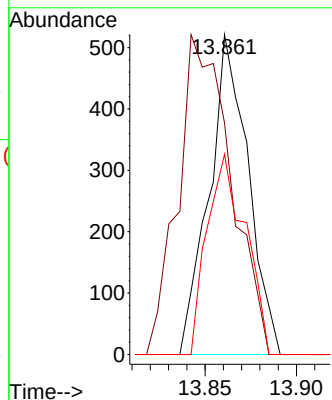
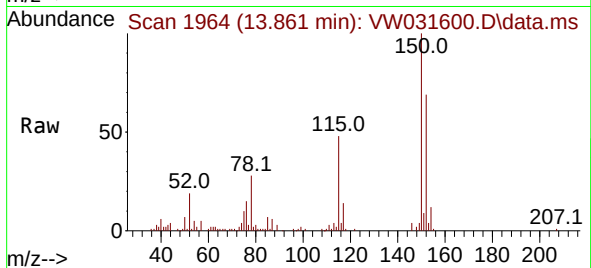
Acq: 27 Jan 2025 18:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	774
Ion	Ratio	Lower Upper
146	100	
111	72.4	36.6 55.0#
148	62.6	51.0 76.4



#71

Naphthalene

Concen: 1.140 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031600.D

Acq: 27 Jan 2025 18:06

Tgt Ion:128	Resp:	2385
Ion	Ratio	Lower Upper
128	100	
127	8.0	10.4 15.6#
129	7.1	8.7 13.1#

