

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012925\
 Data File : VW031634.D
 Acq On : 29 Jan 2025 12:17
 Operator : SY/MD
 Sample : Q1190-18
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A44X1

Quant Time: Jan 30 07:30:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 30 07:28:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	590332	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	511739	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	232070	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	152849	16.500	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.000%
7) Chloroethane-d5	2.893	69	122941	18.584	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.320%
11) 1,1-Dichloroethene-d2	4.015	65	79862	19.377	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.520%
21) 2-Butanone-d5	7.087	46	97786	65.668	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.340%
24) Chloroform-d	7.642	84	413703	27.079	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.320%
26) 1,2-Dichloroethane-d4	8.300	65	197202	26.225	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.880%
32) Benzene-d6	8.270	84	739364	23.001	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	9.270	67	230640	24.301	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.200%
41) Toluene-d8	10.318	98	661449	22.795	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.160%
43) trans-1,3-Dichloroprop...	10.574	79	97541	25.027	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.120%
47) 2-Hexanone-d5	10.922	63	67176	69.358	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.720%#
56) 1,1,2,2-Tetrachloroeth...	12.684	84	185432	31.949	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.800%#
66) 1,2-Dichlorobenzene-d4	13.848	152	204882	25.171	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.680%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.039	96	309769	39.434	ug/L	88
13) Acetone	4.143	43	149018	130.027	ug/L #	57
16) Methylene chloride	4.917	84	644775	80.198	ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	248058	29.401	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	572120	42.288	ug/L	99
19) 1,1-Dichloroethane	6.215	63	1355416	85.389	ug/L	100
22) 2-Butanone	7.173	43	538205	274.971	ug/L	99
25) Chloroform	7.673	83	1338953	88.683	ug/L	95
31) Carbon tetrachloride	8.063	117	177754	15.092	ug/L	99
33) Benzene	8.319	78	2170726	61.979	ug/L	100
34) Trichloroethene	9.087	95	834658	88.640	ug/L	98
37) 1,2-Dichloropropane	9.361	63	323598	36.761	ug/L	100
39) cis-1,3-Dichloropropene	10.068	75	840509	60.697	ug/L	99
40) 4-Methyl-2-pentanone	10.203	43	711137	161.847	ug/L	99
44) trans-1,3-Dichloropropene	10.599	75	783263	70.764	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	296490	52.547	ug/L	98
50) 1,2-Dibromoethane	11.233	107	264860	50.648	ug/L	93
53) m,p-Xylene	11.830	106	742231	46.340	ug/L	94
54) o-Xylene	12.160	106	889818	59.778	ug/L	99

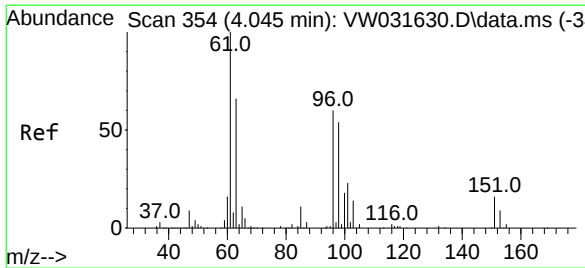
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012925\
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Quant Time: Jan 30 07:30:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 30 07:28:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	345183	55.675	ug/L	100
59) Bromoform	12.342	173	60711	19.633	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	403278	92.536	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	622259	38.699	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	621881	39.105	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	26585	27.286	ug/L	93
70) 1,2,4-trichlorobenzene	15.122	180	181649	20.929	ug/L	99

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



#12

1,1-Dichloroethene

Concen: 39.434 ug/L

RT: 4.039 min Scan# 35

Delta R.T. -0.006 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Instrument :

MSVOA_W

ClientSampleId :

A44X1

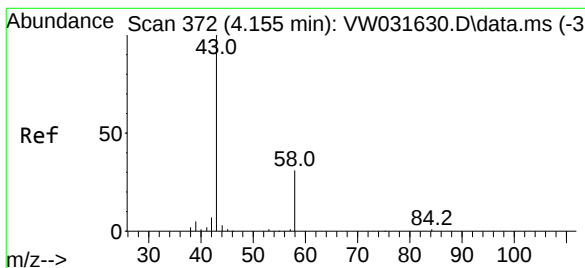
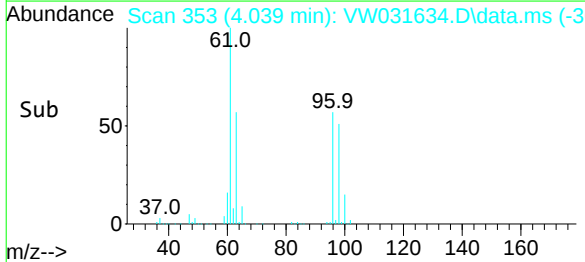
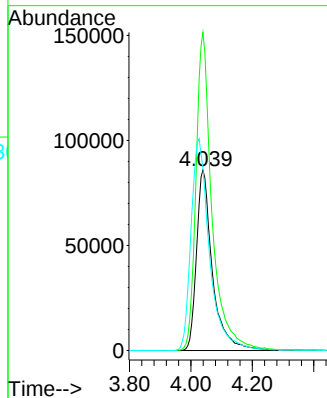
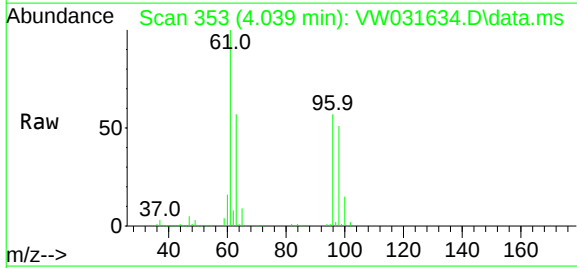
Tgt Ion: 96 Resp: 309769

Ion Ratio Lower Upper

96 100

61 176.4 123.8 230.0

63 101.4 94.1 174.8



#13

Acetone

Concen: 130.027 ug/L

RT: 4.143 min Scan# 370

Delta R.T. -0.012 min

Lab File: VW031634.D

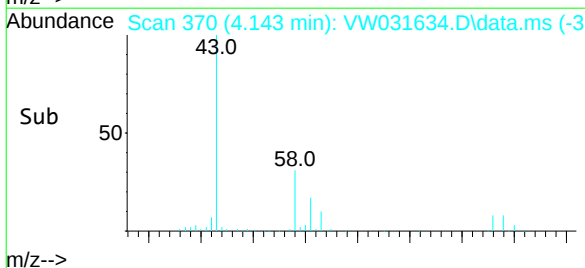
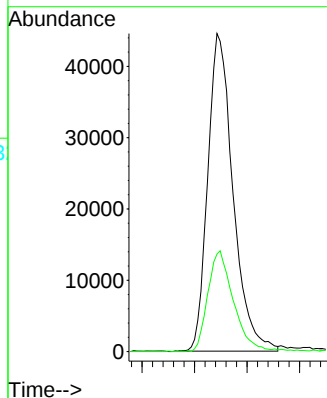
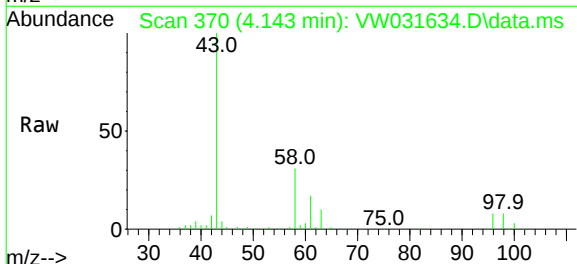
Acq: 29 Jan 2025 12:17

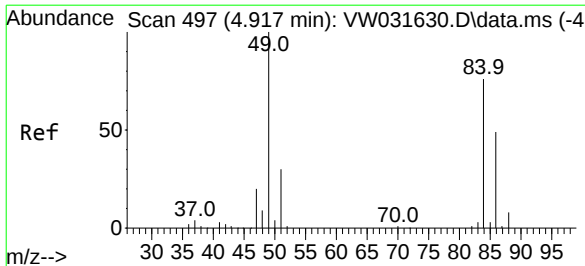
Tgt Ion: 43 Resp: 149018

Ion Ratio Lower Upper

43 100

58 31.8 0.0 28.2#





#16

Methylene chloride

Concen: 80.198 ug/L

RT: 4.917 min Scan# 49

Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Instrument :

MSVOA_W

ClientSampleId :

A44X1

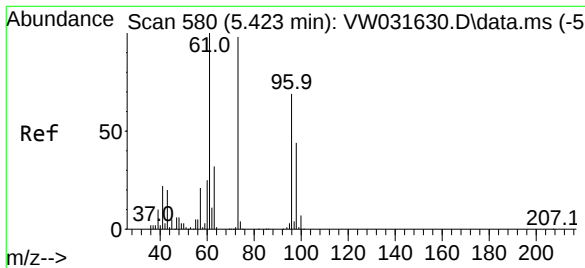
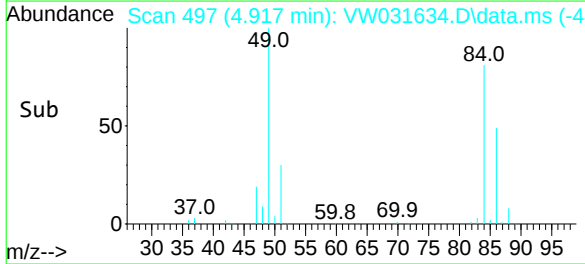
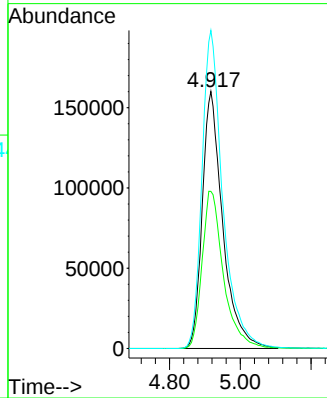
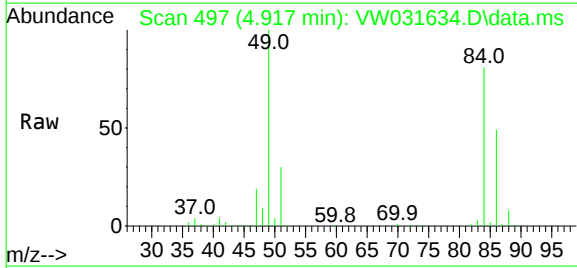
Tgt Ion: 84 Resp: 644775

Ion Ratio Lower Upper

84 100

86 61.1 47.0 87.2

49 123.7 89.8 166.8



#17

trans-1,2-Dichloroethene

Concen: 29.401 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

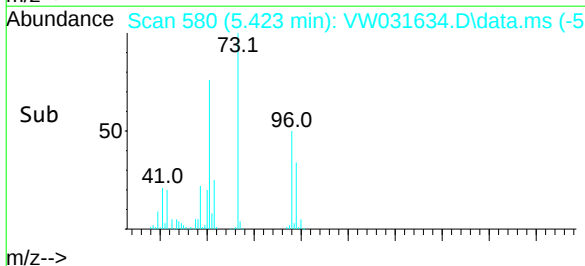
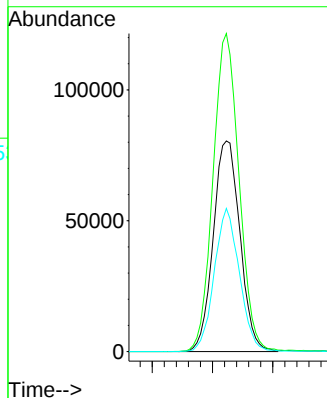
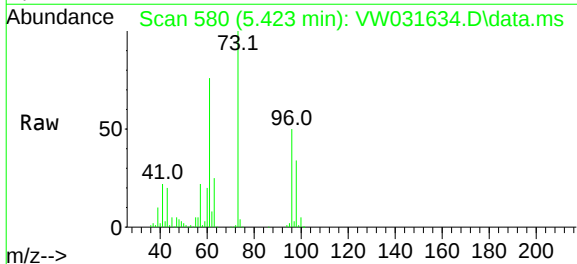
Tgt Ion: 96 Resp: 248058

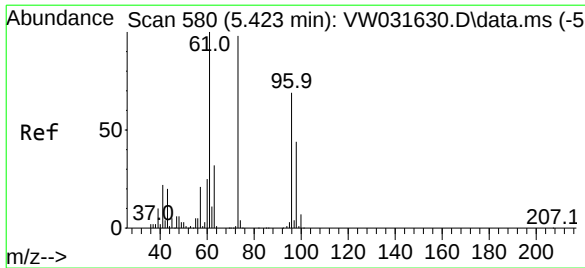
Ion Ratio Lower Upper

96 100

61 151.0 105.1 195.1

98 68.0 44.9 83.3

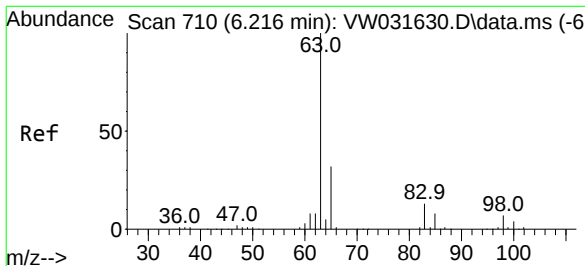
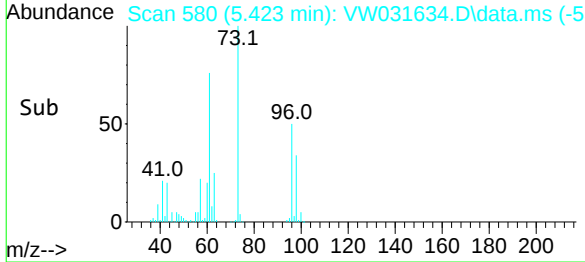
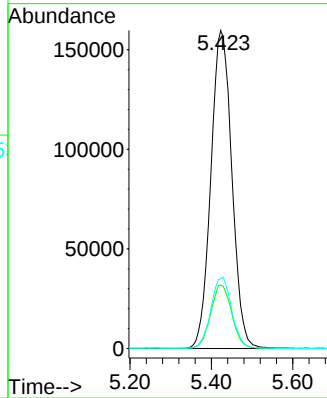
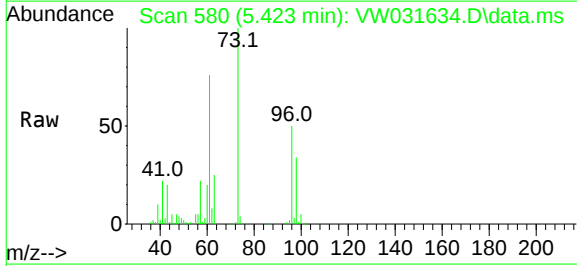




#18
Methyl tert-butyl Ether
Concen: 42.288 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW031634.D
Acq: 29 Jan 2025 12:17

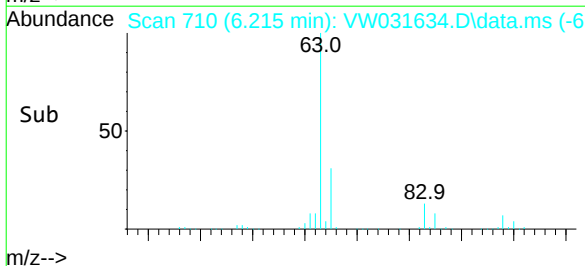
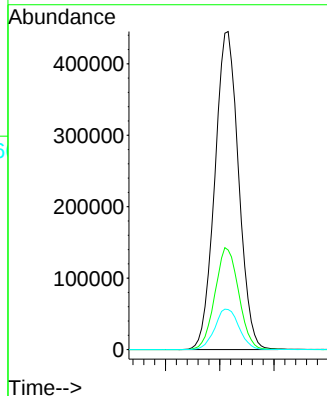
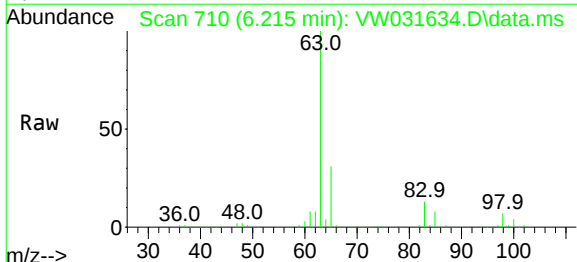
Instrument :
MSVOA_W
ClientSampleId :
A44X1

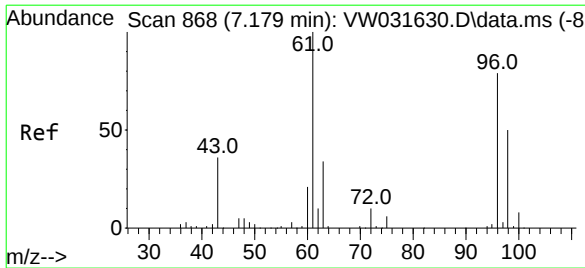
Tgt Ion: 73 Resp: 572120
Ion Ratio Lower Upper
73 100
43 19.8 16.4 24.6
57 22.2 18.2 27.2



#19
1,1-Dichloroethane
Concen: 85.389 ug/L
RT: 6.215 min Scan# 710
Delta R.T. -0.000 min
Lab File: VW031634.D
Acq: 29 Jan 2025 12:17

Tgt Ion: 63 Resp: 1355416
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 12.6 9.0 16.6





#22

2-Butanone

Concen: 274.971 ug/L

RT: 7.173 min Scan# 868

Delta R.T. -0.006 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Instrument :

MSVOA_W

ClientSampleId :

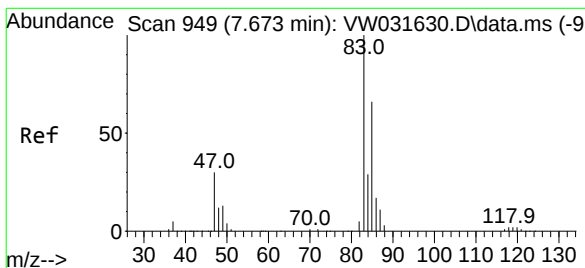
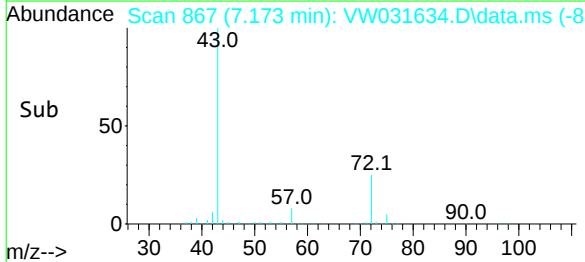
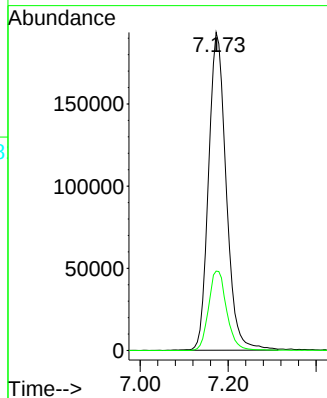
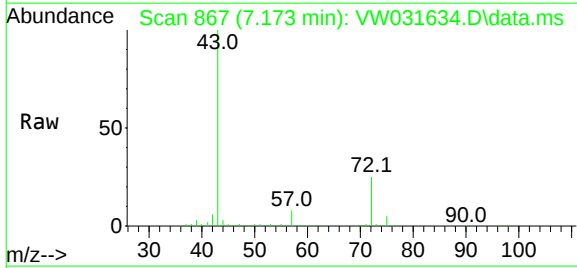
A44X1

Tgt Ion: 43 Resp: 538205

Ion Ratio Lower Upper

43 100

72 25.7 13.2 39.5



#25

Chloroform

Concen: 88.683 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.000 min

Lab File: VW031634.D

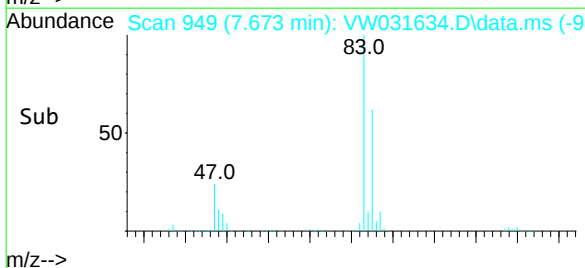
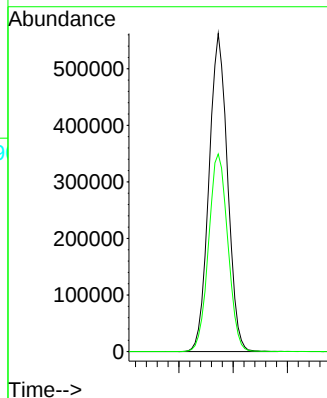
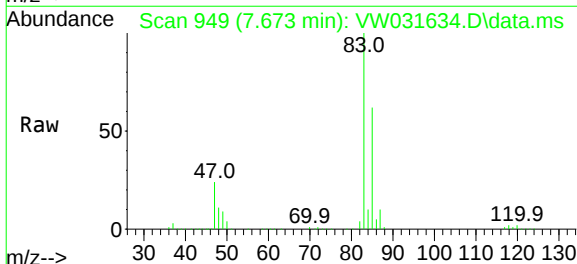
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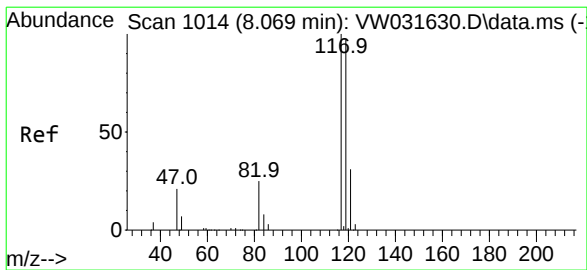
Tgt Ion: 83 Resp: 1338953

Ion Ratio Lower Upper

83 100

85 62.1 46.2 85.8





#31

Carbon tetrachloride

Concen: 15.092 ug/L

RT: 8.063 min Scan# 1013

Delta R.T. -0.006 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Instrument :

MSVOA_W

ClientSampleId :

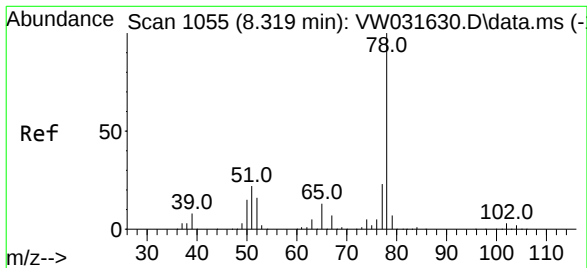
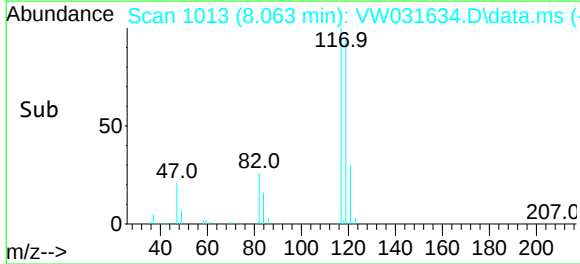
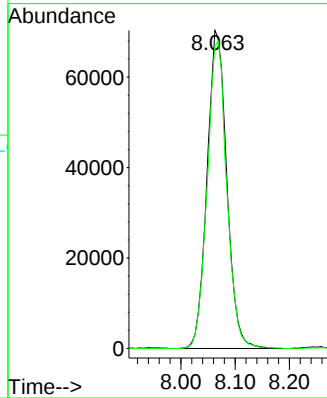
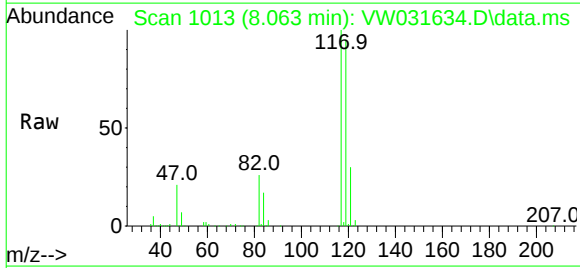
A44X1

Tgt Ion:117 Resp: 177754

Ion Ratio Lower Upper

117 100

119 95.9 77.4 116.0



#33

Benzene

Concen: 61.979 ug/L

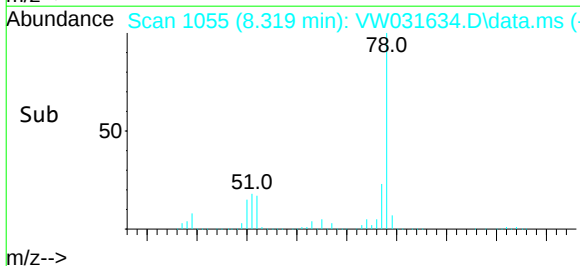
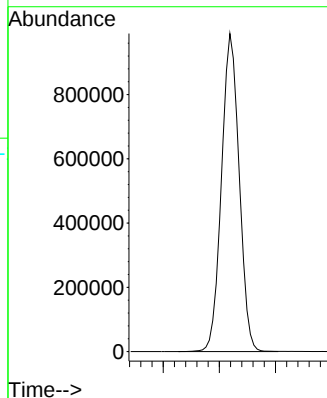
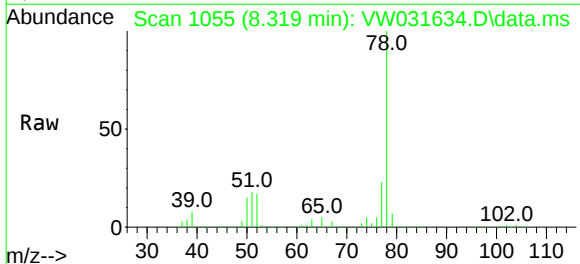
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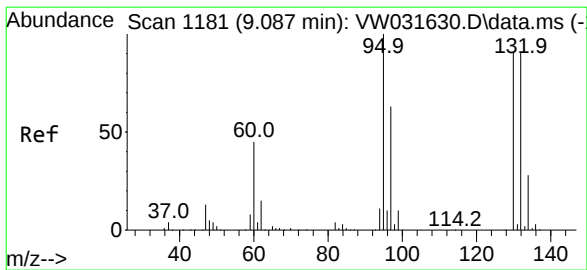
Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Tgt Ion: 78 Resp: 2170726





#34

Trichloroethene

Concen: 88.640 ug/L

RT: 9.087 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Instrument :

MSVOA_W

ClientSampleId :

A44X1

Tgt Ion: 95 Resp: 834658

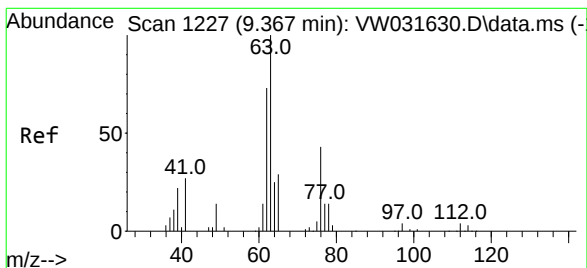
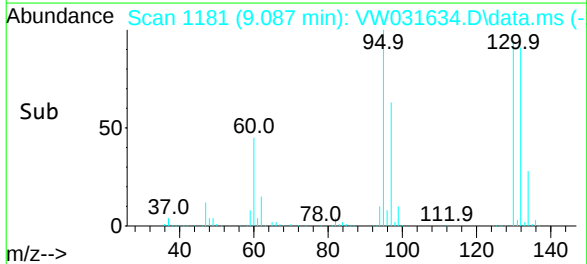
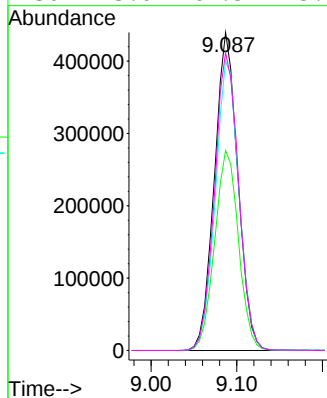
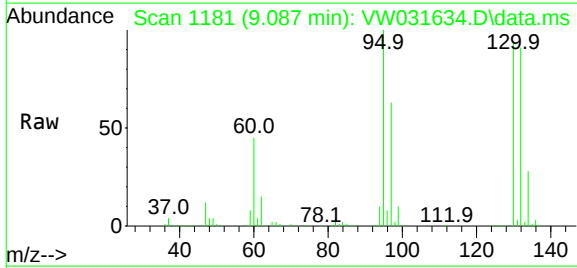
Ion Ratio Lower Upper

95 100

97 62.9 44.0 81.6

132 91.0 64.6 120.0

130 93.6 67.5 125.4



#37

1,2-Dichloropropane

Concen: 36.761 ug/L

RT: 9.361 min Scan# 1226

Delta R.T. -0.006 min

Lab File: VW031634.D

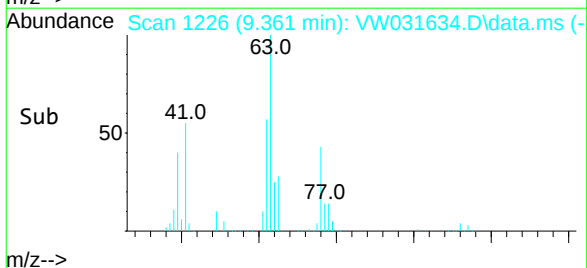
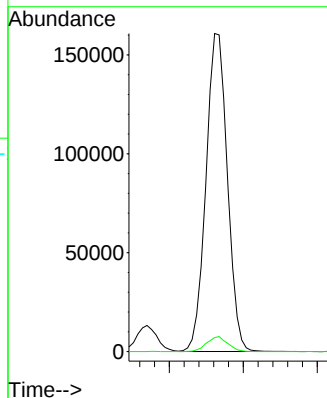
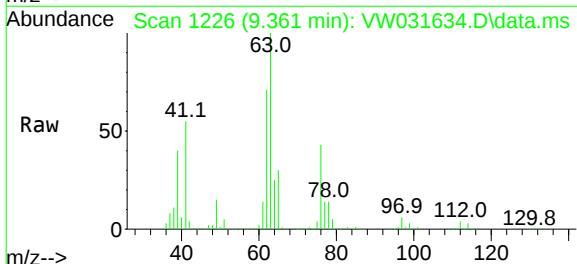
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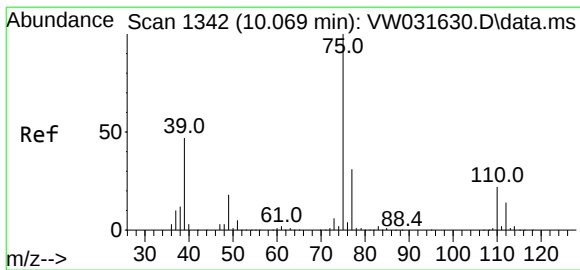
Tgt Ion: 63 Resp: 323598

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4

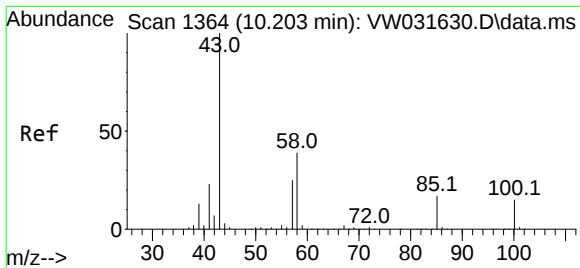
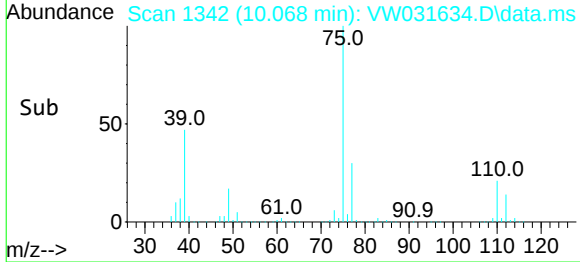
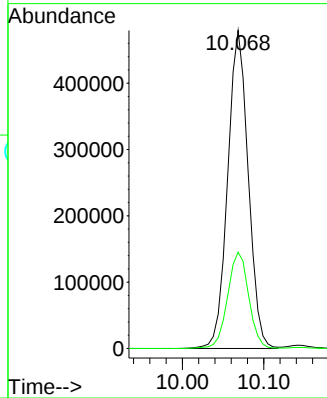
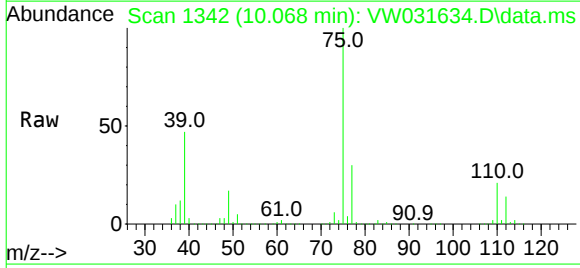




#39
 cis-1,3-Dichloropropene
 Concen: 60.697 ug/L
 RT: 10.068 min Scan# 1342
 Delta R.T. -0.000 min
 Lab File: VW031634.D
 Acq: 29 Jan 2025 12:17

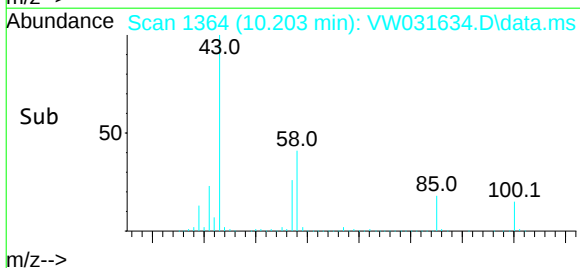
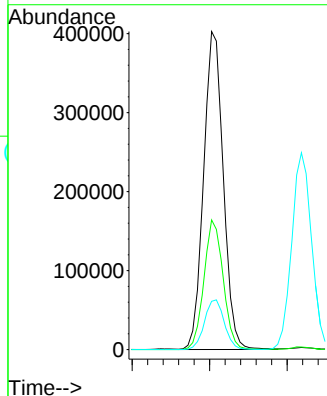
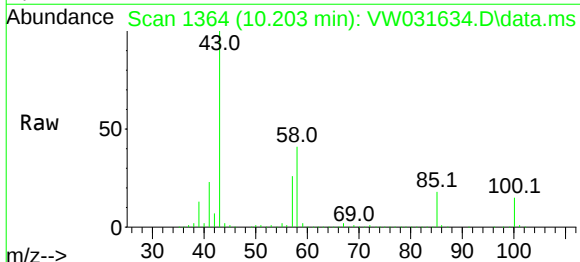
Instrument :
 MSVOA_W
 ClientSampleId :
 A44X1

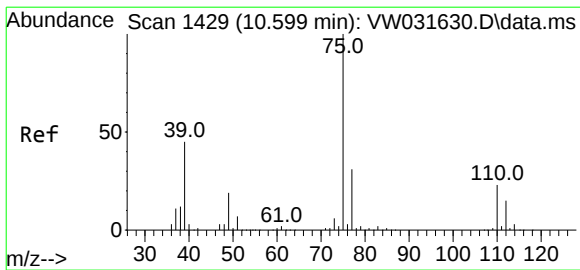
Tgt Ion: 75 Resp: 840509
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 161.847 ug/L
 RT: 10.203 min Scan# 1364
 Delta R.T. -0.000 min
 Lab File: VW031634.D
 Acq: 29 Jan 2025 12:17

Tgt Ion: 43 Resp: 711137
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.4 47.2
 100 15.8 12.3 18.5

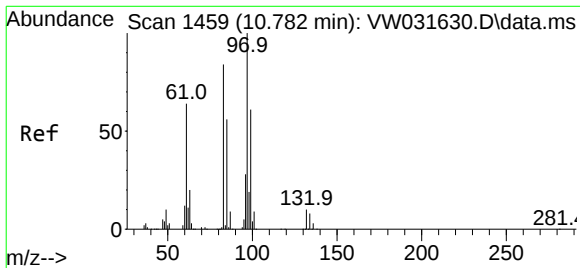
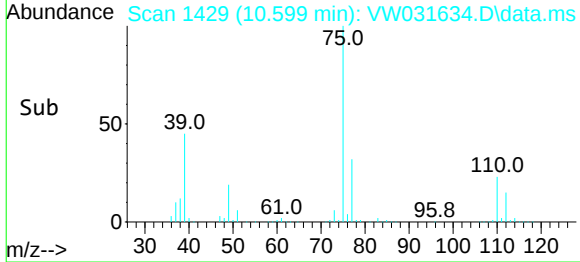
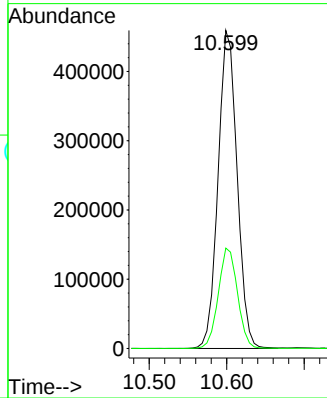
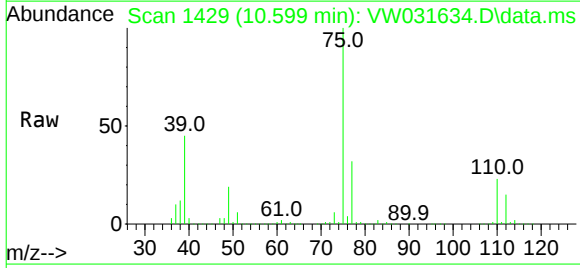




#44
trans-1,3-Dichloropropene
Concen: 70.764 ug/L
RT: 10.599 min Scan# 1429
Delta R.T. -0.000 min
Lab File: VW031634.D
Acq: 29 Jan 2025 12:17

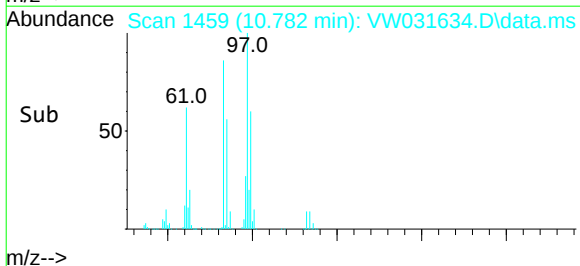
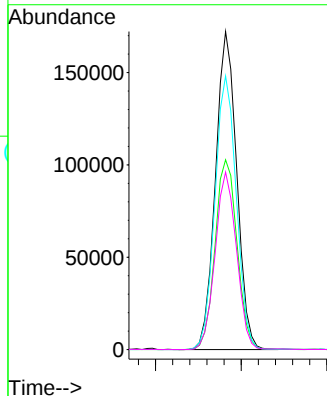
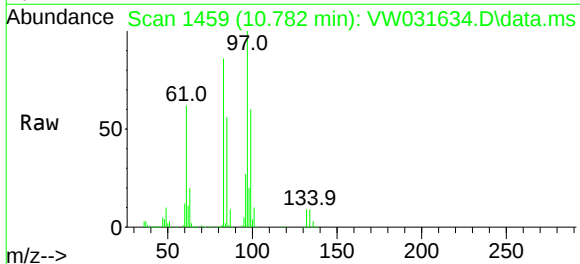
Instrument :
MSVOA_W
ClientSampleId :
A44X1

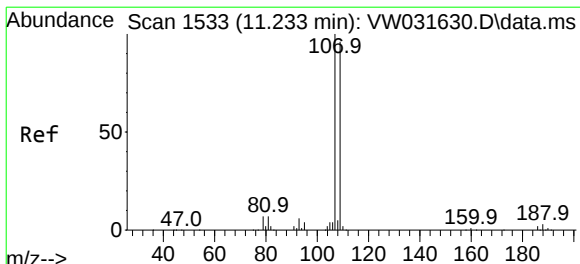
Tgt Ion: 75 Resp: 783263
Ion Ratio Lower Upper
75 100
77 31.6 22.5 41.9



#45
1,1,2-Trichloroethane
Concen: 52.547 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW031634.D
Acq: 29 Jan 2025 12:17

Tgt Ion: 97 Resp: 296490
Ion Ratio Lower Upper
97 100
99 59.7 42.6 79.2
83 86.0 59.6 110.8
85 55.8 37.3 69.3



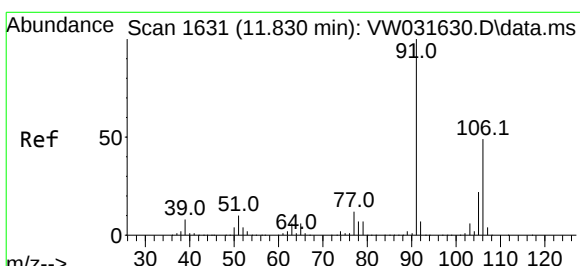
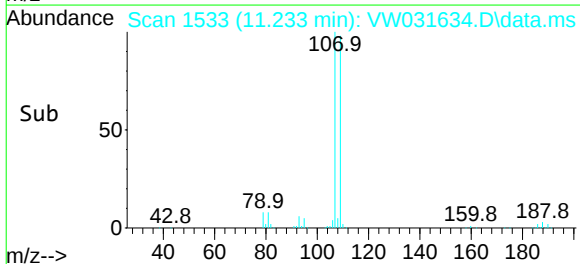
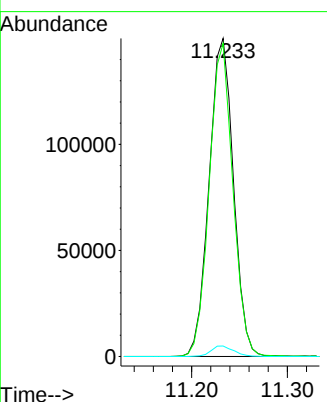
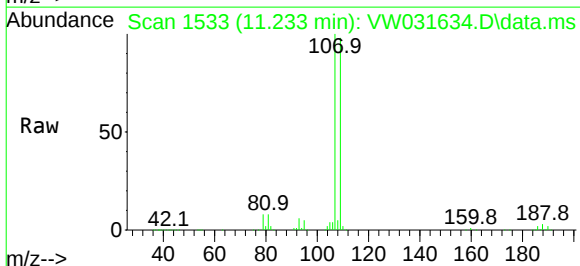


#50
 1,2-Dibromoethane
 Concen: 50.648 ug/L
 RT: 11.233 min Scan# 1533
 Delta R.T. -0.000 min
 Lab File: VW031634.D
 Acq: 29 Jan 2025 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 A44X1

Tgt Ion:107 Resp: 264860

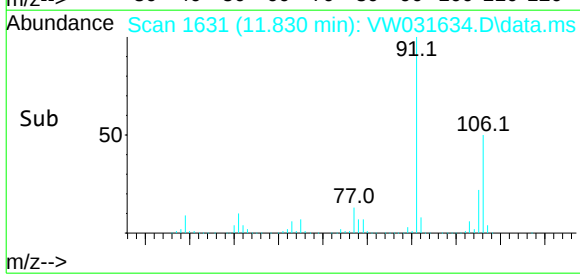
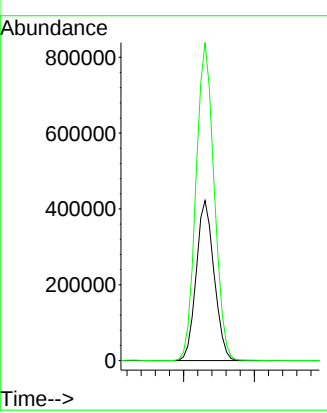
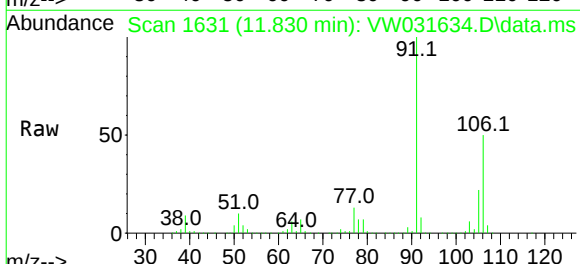
Ion	Ratio	Lower	Upper
107	100		
109	98.4	63.8	118.4
188	3.3	2.6	3.8

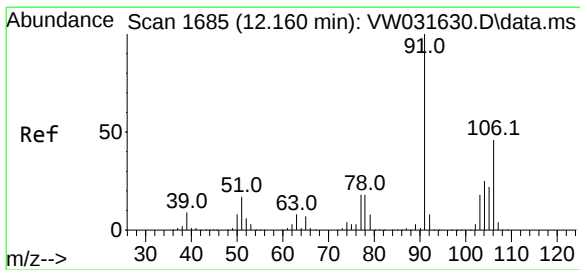


#53
 m,p-Xylene
 Concen: 46.340 ug/L
 RT: 11.830 min Scan# 1631
 Delta R.T. -0.000 min
 Lab File: VW031634.D
 Acq: 29 Jan 2025 12:17

Tgt Ion:106 Resp: 742231

Ion	Ratio	Lower	Upper
106	100		
91	198.8	145.9	270.9





#54

o-Xylene

Concen: 59.778 ug/L

RT: 12.160 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Instrument :

MSVOA_W

ClientSampleId :

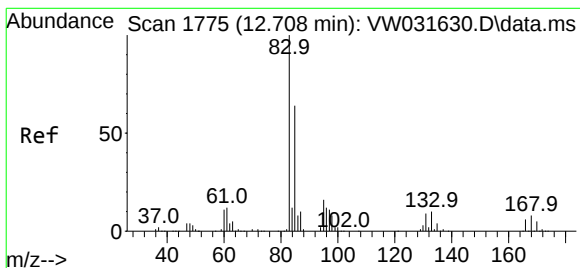
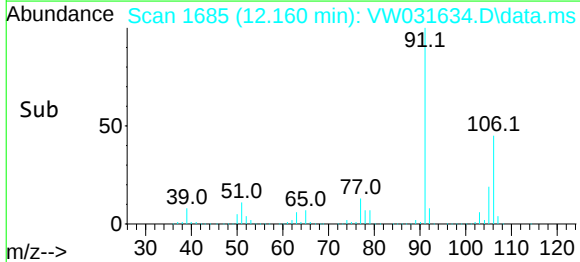
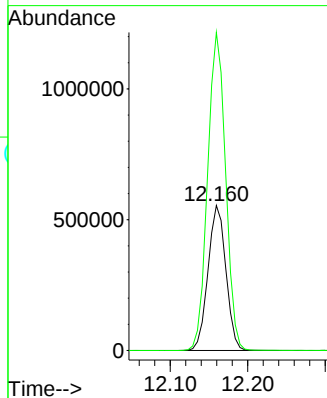
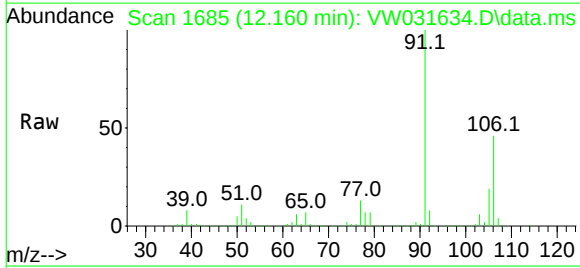
A44X1

Tgt Ion:106 Resp: 889818

Ion Ratio Lower Upper

106 100

91 219.3 152.9 284.1



#57

1,1,2,2-Tetrachloroethane

Concen: 55.675 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

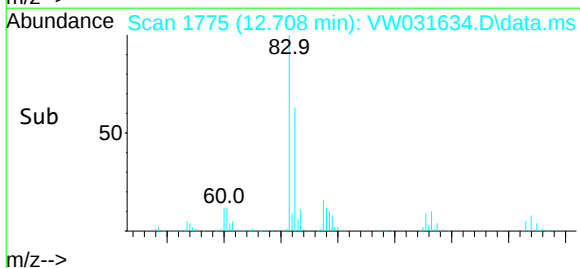
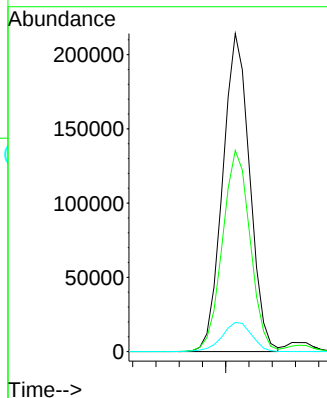
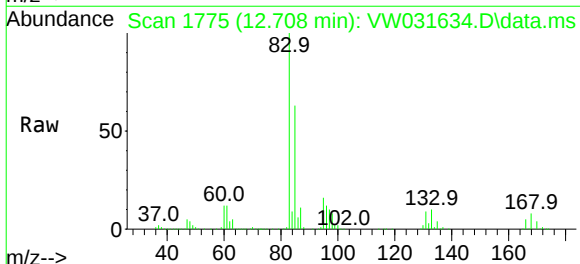
Tgt Ion: 83 Resp: 345183

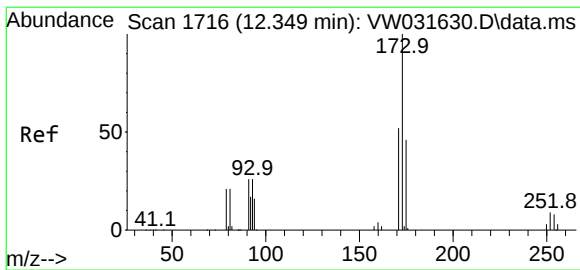
Ion Ratio Lower Upper

83 100

85 63.3 44.1 81.9

131 9.2 7.4 11.0





#59

Bromoform

Concen: 19.633 ug/L

RT: 12.342 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

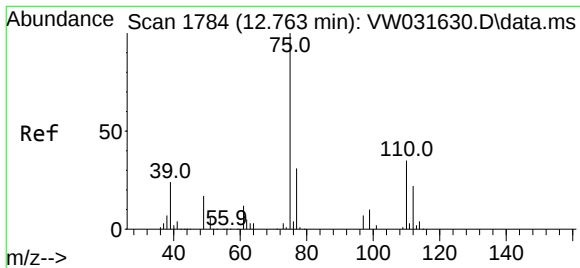
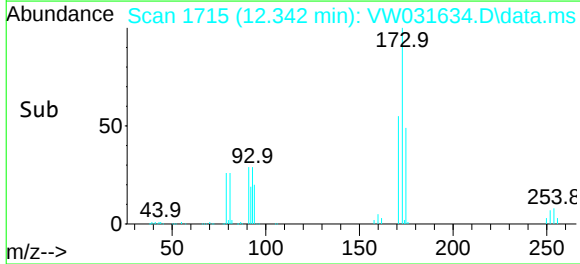
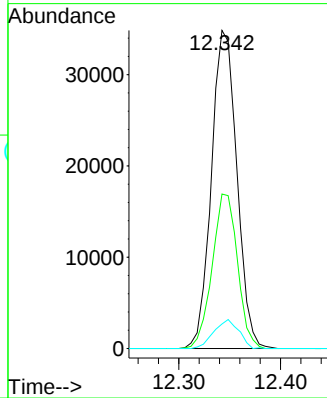
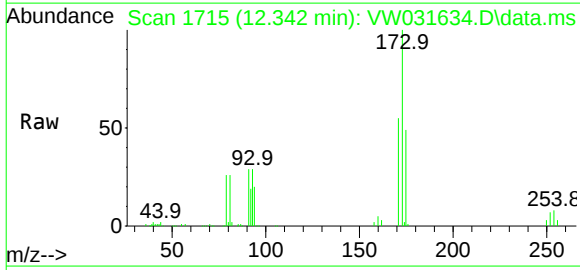
Instrument :

MSVOA_W

ClientSampleId :

A44X1

Tgt Ion:	173	Resp:	60711
Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.7	56.5
254	8.9	7.1	10.7



#61

1,2,3-Trichloropropane

Concen: 92.536 ug/L

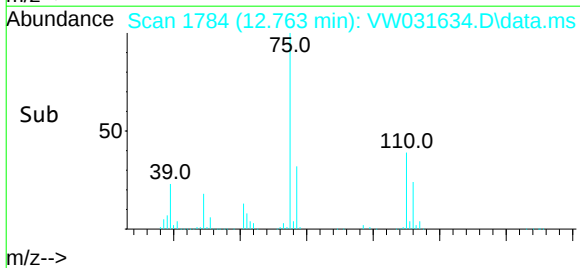
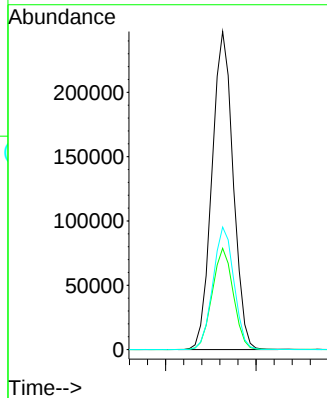
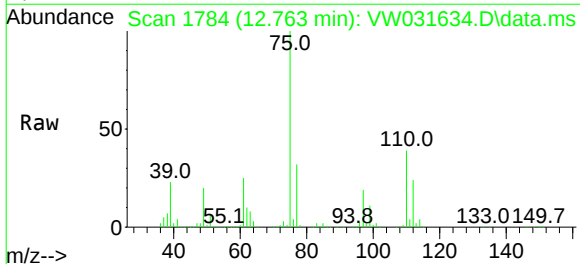
RT: 12.763 min Scan# 1784

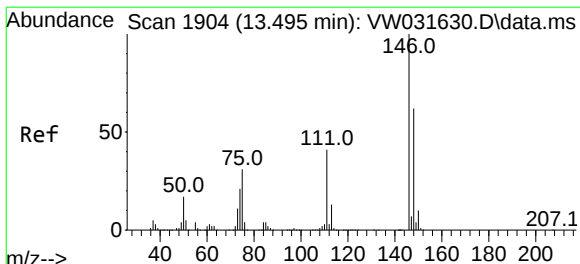
Delta R.T. -0.000 min

Lab File: VW031634.D

Acq: 29 Jan 2025 12:17

Tgt Ion:	75	Resp:	403278
Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.2
110	38.1	29.6	44.4

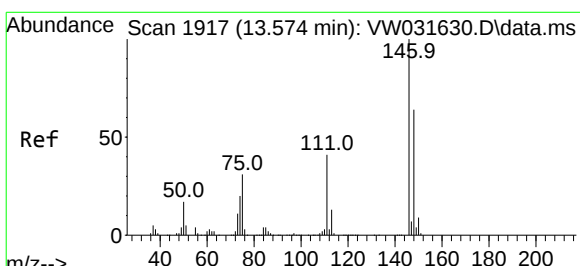
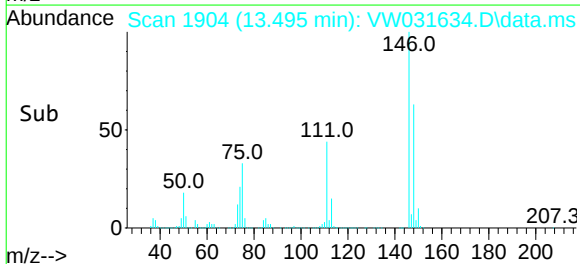
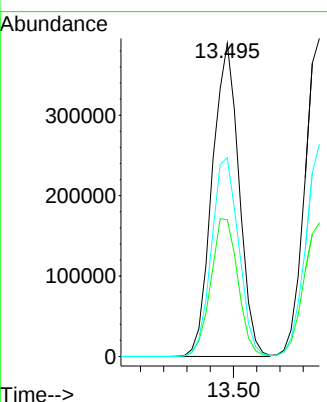
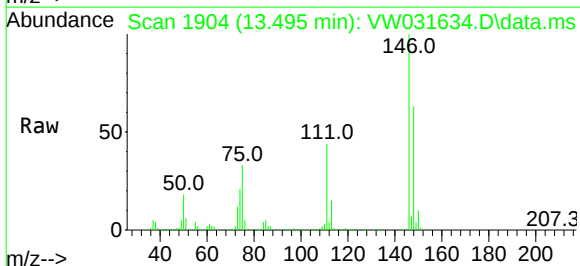




#64
 1,3-Dichlorobenzene
 Concen: 38.699 ug/L
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW031634.D
 Acq: 29 Jan 2025 12:17

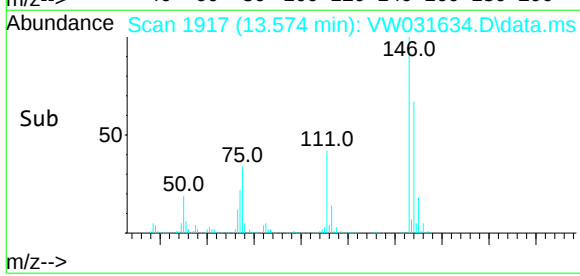
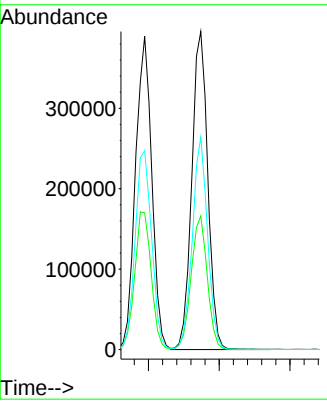
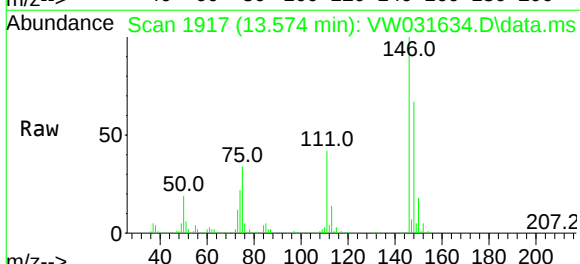
Instrument :
 MSVOA_W
 ClientSampleId :
 A44X1

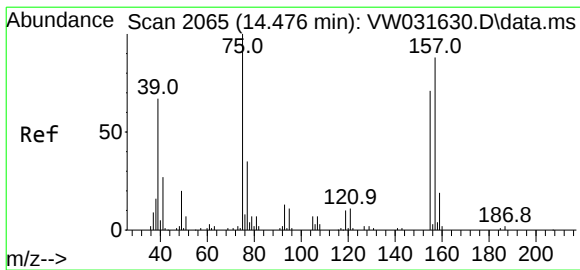
Tgt Ion:	146	Resp:	622259
Ion	Ratio	Lower	Upper
146	100		
111	43.7	30.4	56.5
148	63.5	42.1	78.1



#65
 1,4-Dichlorobenzene
 Concen: 39.105 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: VW031634.D
 Acq: 29 Jan 2025 12:17

Tgt Ion:	146	Resp:	621881
Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.5	52.9
148	66.8	45.4	84.4

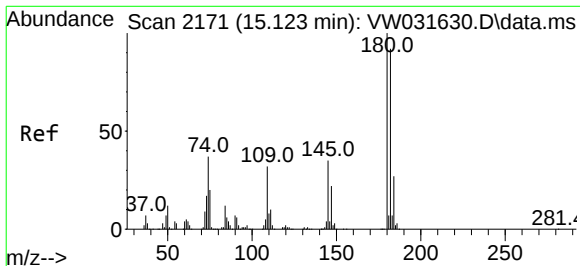
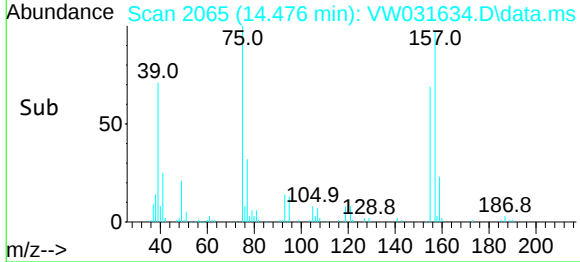
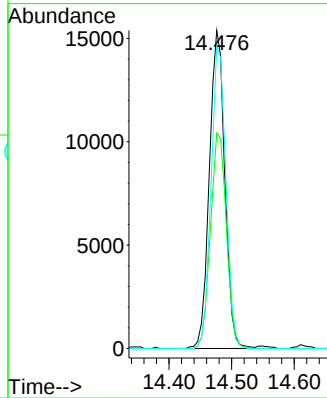
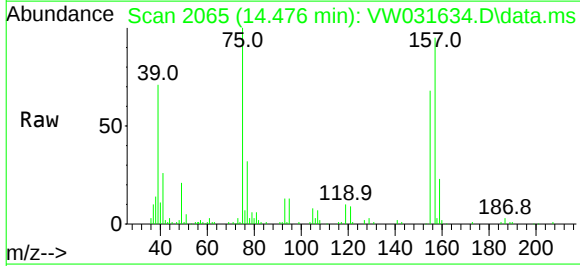




#68
1,2-Dibromo-3-chloropropane
Concen: 27.286 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW031634.D
Acq: 29 Jan 2025 12:17

Instrument :
MSVOA_W
ClientSampleId :
A44X1

Tgt Ion:	75	Resp:	26585
Ion Ratio	Lower	Upper	
75	100		
155	67.7	51.0	76.4
157	94.9	70.2	105.2



#70
1,2,4-trichlorobenzene
Concen: 20.929 ug/L
RT: 15.122 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VW031634.D
Acq: 29 Jan 2025 12:17

Tgt Ion:	180	Resp:	181649
Ion Ratio	Lower	Upper	
180	100		
182	97.5	77.7	116.5
145	34.2	26.6	39.8

