

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102924\
 Data File : VW030806.D
 Acq On : 29 Oct 2024 16:06
 Operator : SY/MD
 Sample : P4568-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 30 01:16:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 30 01:14:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	295595	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	275205	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	124010	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	91169	19.622	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.480%
7) Chloroethane-d5	2.899	69	81761	23.247	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	4.021	65	37849	19.585	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.360%
21) 2-Butanone-d5	7.075	46	41716	49.890	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.780%
24) Chloroform-d	7.648	84	206979	24.485	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.920%
26) 1,2-Dichloroethane-d4	8.306	65	107417	24.436	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.760%
32) Benzene-d6	8.276	84	353732	22.146	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	9.276	67	120573	25.719	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.880%
41) Toluene-d8	10.318	98	360464	24.721	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.880%
43) trans-1,3-Dichloroprop...	10.574	79	49714	25.324	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.280%
47) 2-Hexanone-d5	10.922	63	34525	57.176	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.360%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	87123	25.304	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	106348	25.345	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.045	96	77095	19.440	ug/L	92
13) Acetone	4.124	43	30730	25.103	ug/L	97
16) Methylene chloride	4.911	84	170798	38.220	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	60240	14.077	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	122831	20.509	ug/L	99
19) 1,1-Dichloroethane	6.215	63	338991	42.621	ug/L	100
22) 2-Butanone	7.166	43	111235	84.297	ug/L	97
25) Chloroform	7.672	83	363630	42.782	ug/L	100
31) Carbon tetrachloride	8.075	117	50569	7.750	ug/L	96
33) Benzene	8.325	78	567345	31.679	ug/L	100
34) Trichloroethene	9.093	95	227519	45.664	ug/L	95
37) 1,2-Dichloropropane	9.367	63	86695	19.382	ug/L	100
39) cis-1,3-Dichloropropene	10.068	75	221506	32.832	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	163037	75.873	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	208972	36.859	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	83195	25.736	ug/L	98
50) 1,2-Dibromoethane	11.233	107	65965	21.869	ug/L	92
53) m,p-Xylene	11.836	106	187120	22.910	ug/L	93
54) o-Xylene	12.159	106	230176	30.482	ug/L	83

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

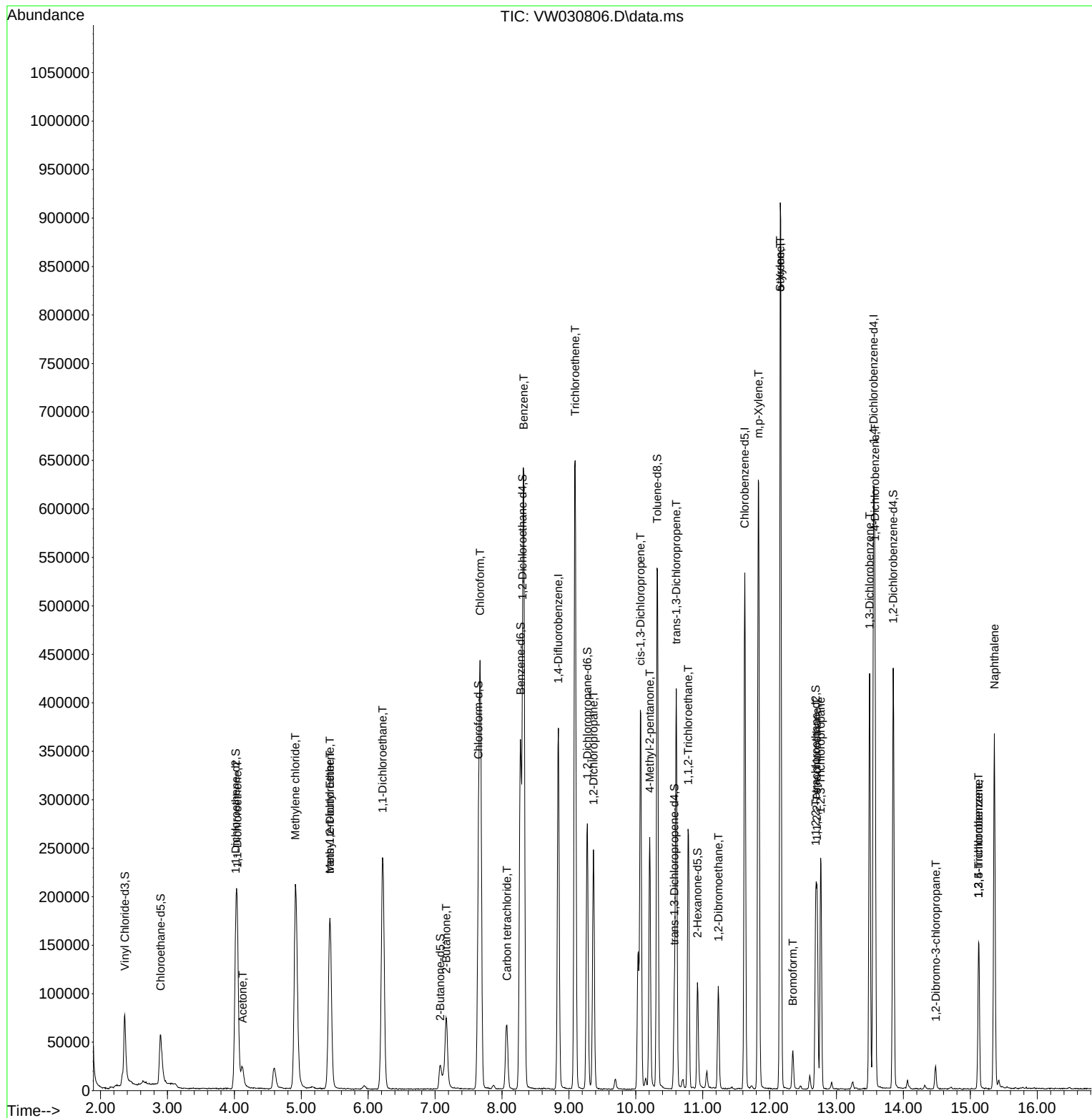
55) Styrene	12.159	104	12813	0.993	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	84721	23.240	ug/L	96
59) Bromoform	12.348	173	16759	9.619	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	95645	39.636	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	160132	19.156	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	167210	19.372	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	5754	10.694	ug/L #	83
69) 1,3,5-Trichlorobenzene	15.122	180	44437	8.061	ug/L	98
70) 1,2,4-trichlorobenzene	15.122	180	44437	10.014	ug/L	97
71) Naphthalene	15.360	128	282103	36.795	ug/L	99

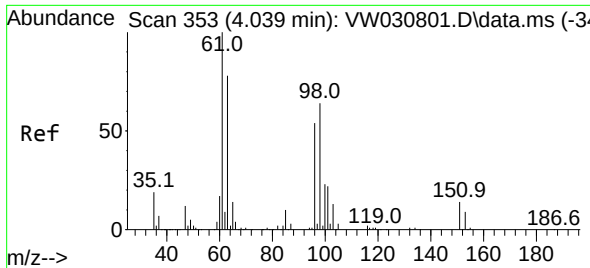
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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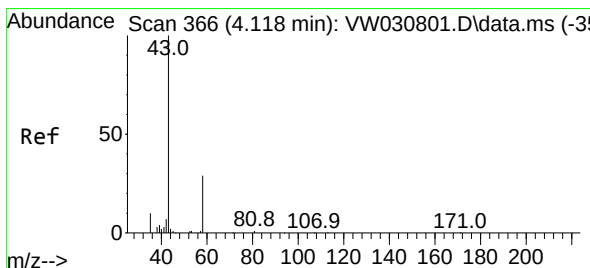
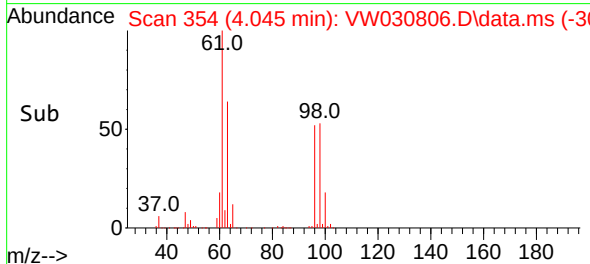
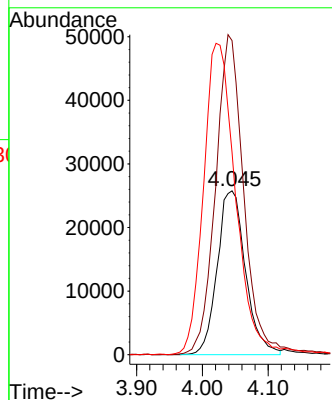
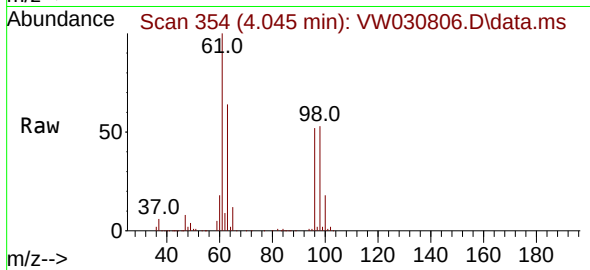




#12
1,1-Dichloroethene
Concen: 19.440 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

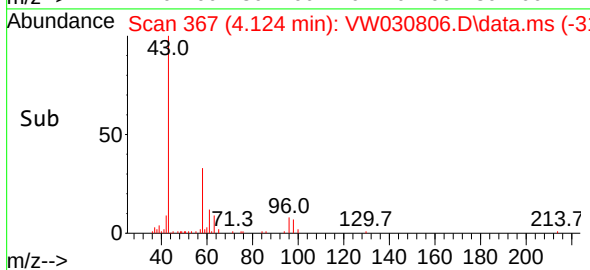
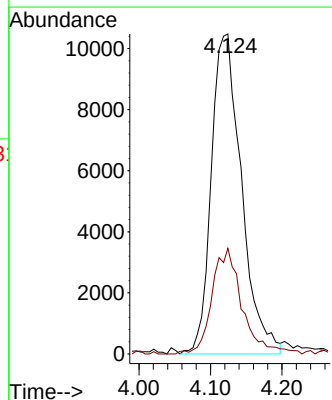
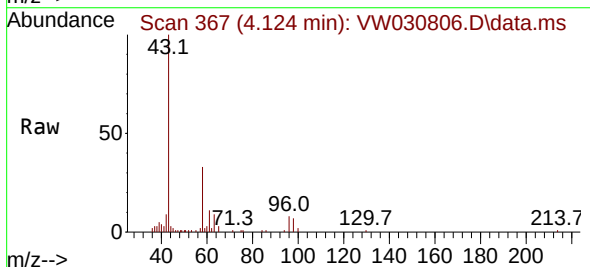
Instrument :
MSVOA_W
ClientSampleId :

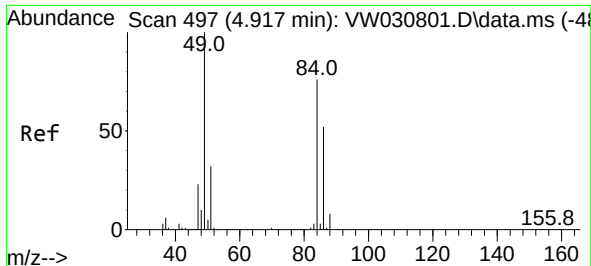
Tgt Ion: 96 Resp: 77095
Ion Ratio Lower Upper
96 100
61 191.6 121.3 225.3
63 123.5 87.6 162.8



#13
Acetone
Concen: 25.103 ug/L
RT: 4.124 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

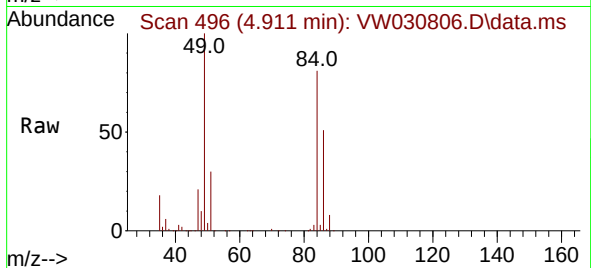
Tgt Ion: 43 Resp: 30730
Ion Ratio Lower Upper
43 100
58 30.5 0.0 57.6



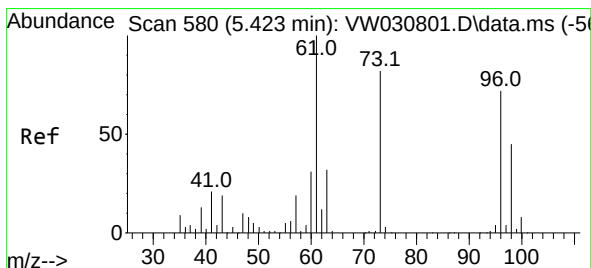
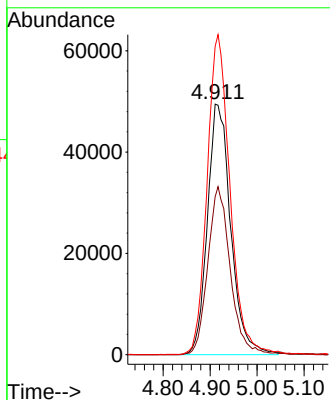
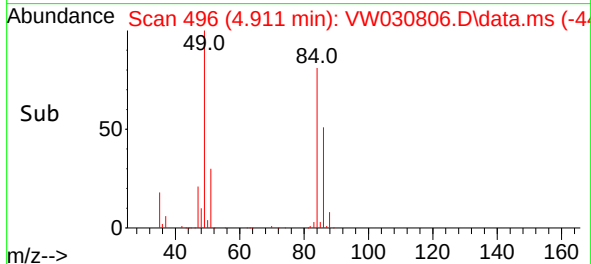


#16
Methylene chloride
Concen: 38.220 ug/L
RT: 4.911 min Scan# 49
Delta R.T. -0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

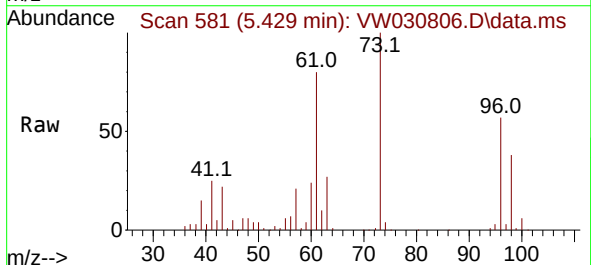
Instrument :
MSVOA_W
ClientSampleId :



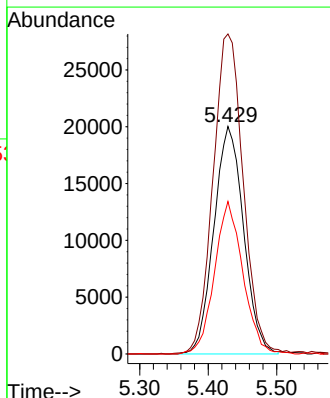
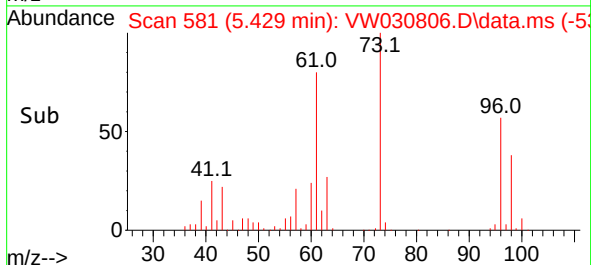
Tgt Ion: 84 Resp: 170798
Ion Ratio Lower Upper
84 100
86 63.0 43.8 81.3
49 123.0 88.3 164.1

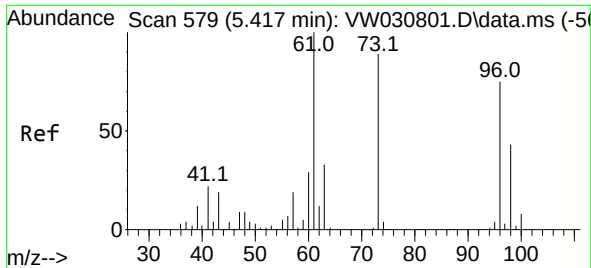


#17
trans-1,2-Dichloroethene
Concen: 14.077 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06



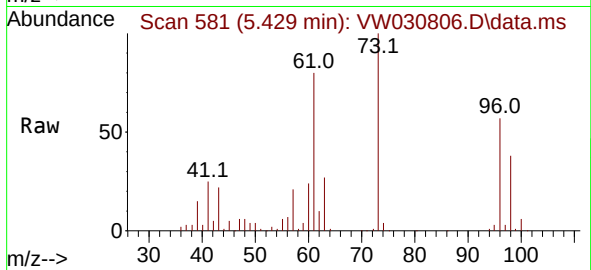
Tgt Ion: 96 Resp: 60240
Ion Ratio Lower Upper
96 100
61 140.7 96.9 179.9
98 67.1 42.2 78.4





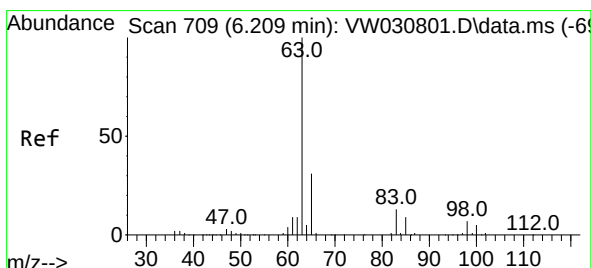
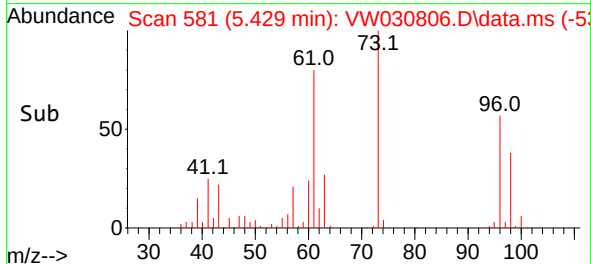
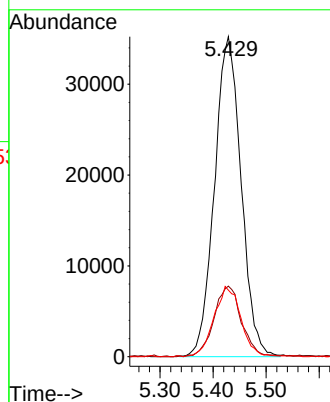
#18
Methyl tert-butyl Ether
Concen: 20.509 ug/L
RT: 5.429 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 73 Resp: 122831

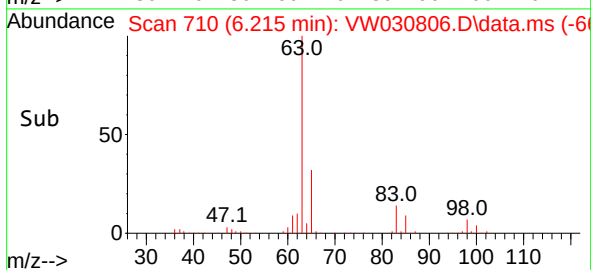
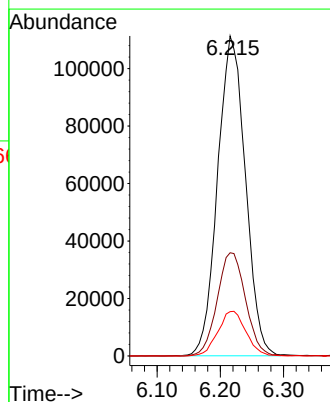
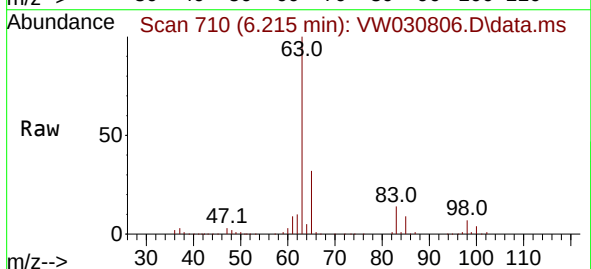
Ion	Ratio	Lower	Upper
73	100		
43	21.6	18.1	27.1
57	22.0	17.7	26.5

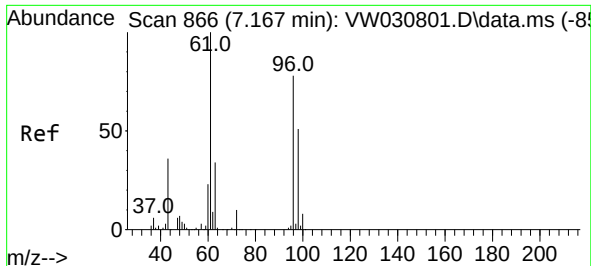


#19
1,1-Dichloroethane
Concen: 42.621 ug/L
RT: 6.215 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Tgt Ion: 63 Resp: 338991

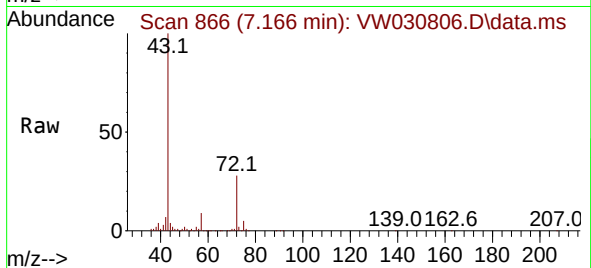
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.5	41.9
83	13.8	9.8	18.2



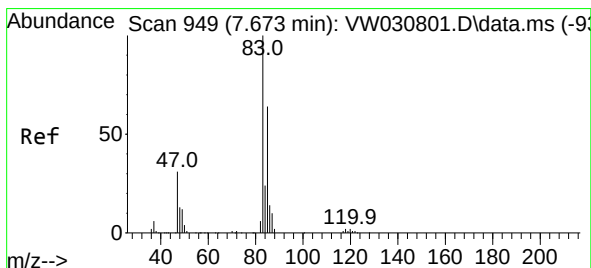
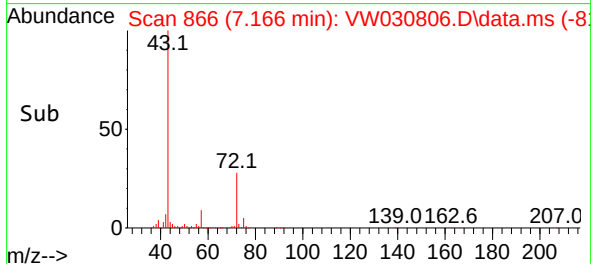
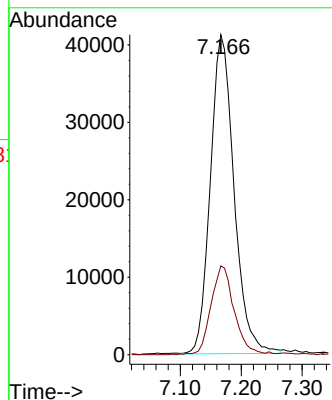


#22
2-Butanone
Concen: 84.297 ug/L
RT: 7.166 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

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ClientSampleId :

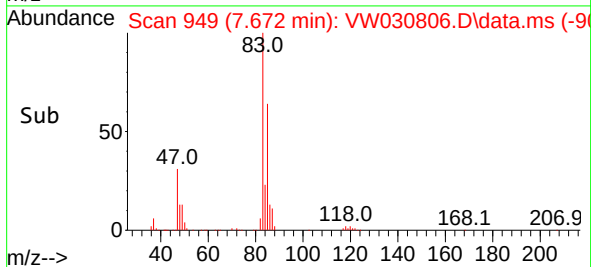
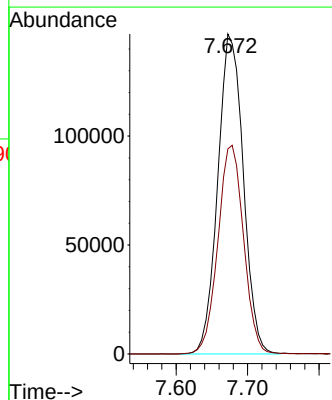
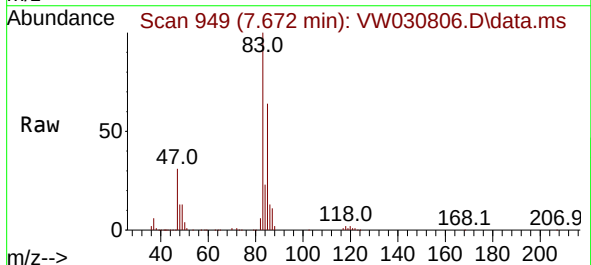


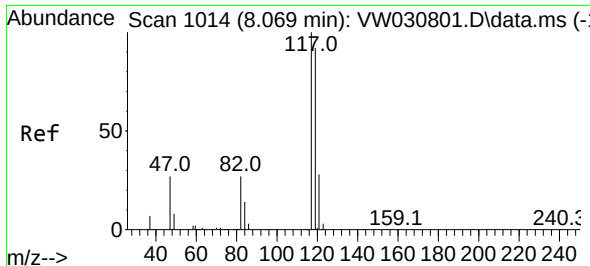
Tgt Ion: 43 Resp: 111235
Ion Ratio Lower Upper
43 100
72 27.0 14.4 43.0



#25
Chloroform
Concen: 42.782 ug/L
RT: 7.672 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Tgt Ion: 83 Resp: 363630
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.7

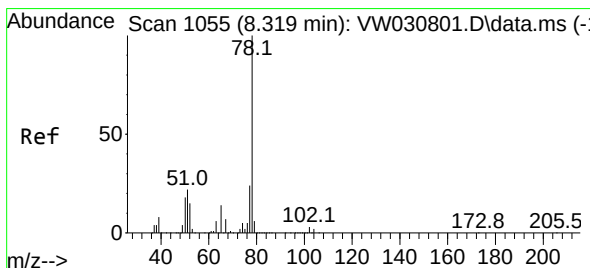
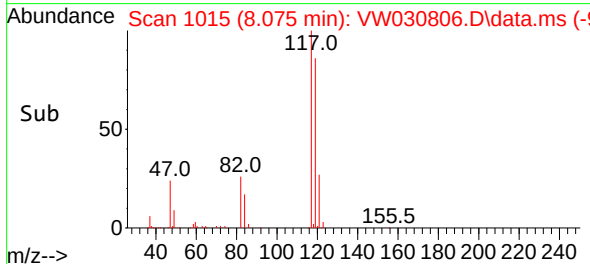
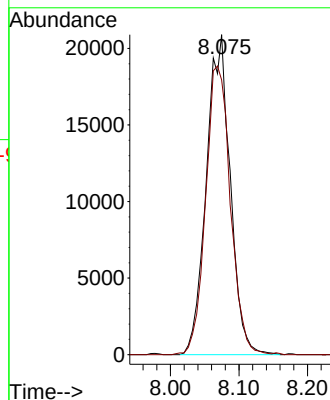
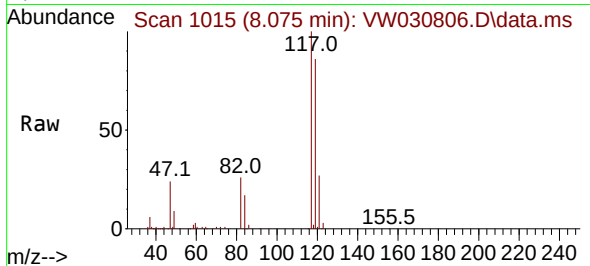




#31
Carbon tetrachloride
Concen: 7.750 ug/L
RT: 8.075 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

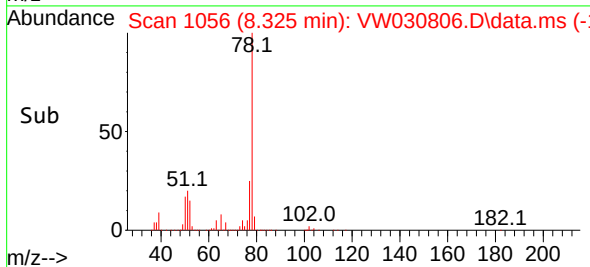
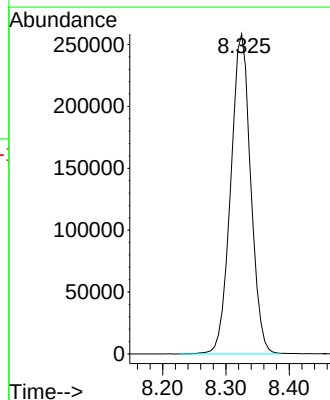
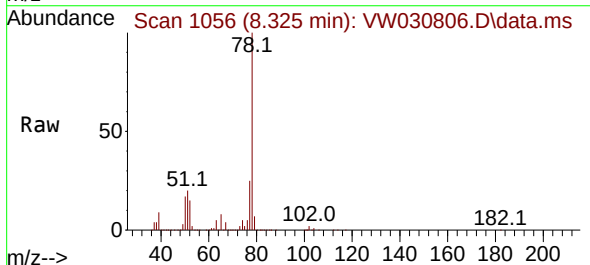
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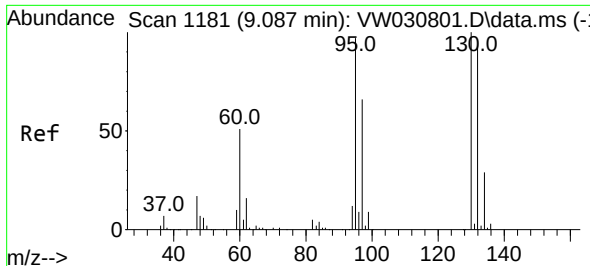
Tgt Ion:117 Resp: 50569
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.8



#33
Benzene
Concen: 31.679 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

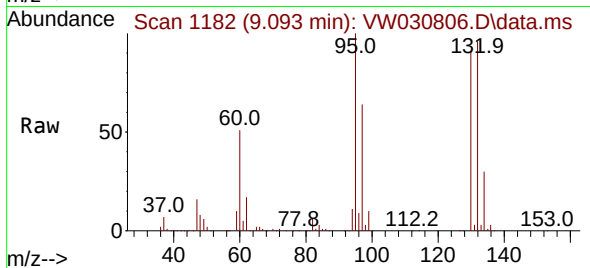
Tgt Ion: 78 Resp: 567345



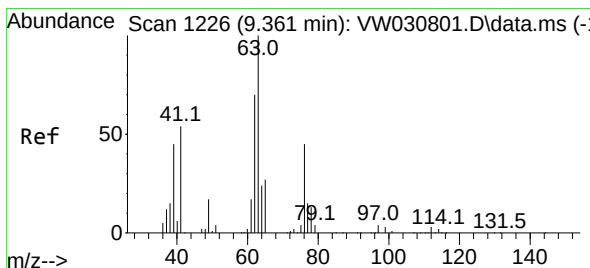
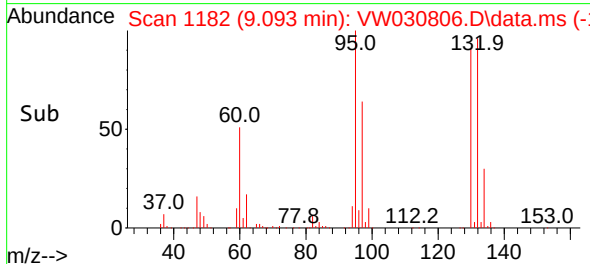
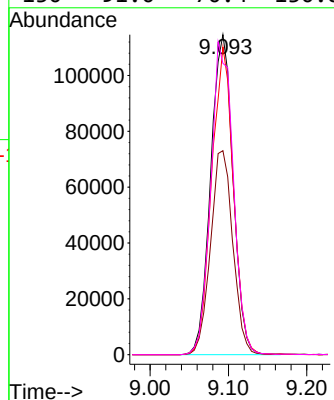


#34
 Trichloroethene
 Concen: 45.664 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. 0.006 min
 Lab File: VW030806.D
 Acq: 29 Oct 2024 16:06

Instrument :
 MSVOA_W
 ClientSampleId :

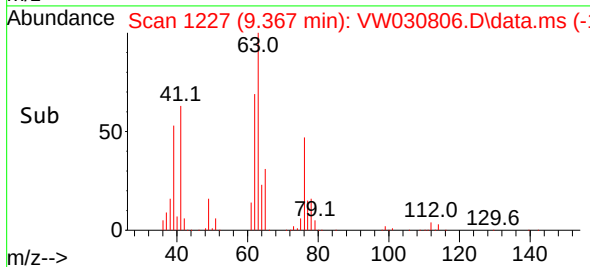
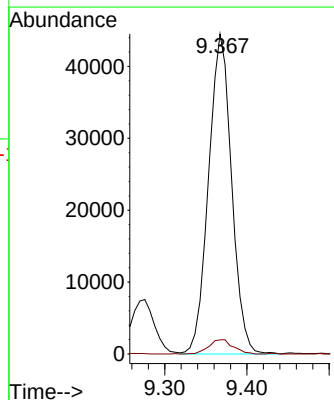
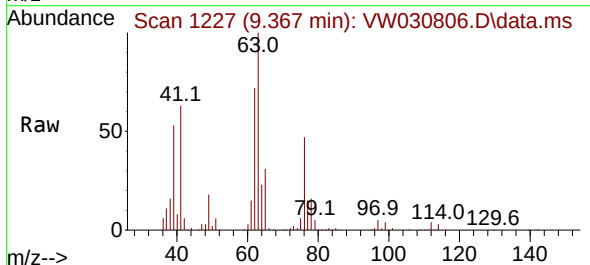


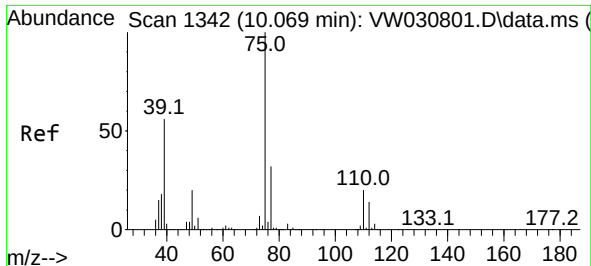
Tgt Ion: 95 Resp: 227519
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.9 85.3
 132 96.2 66.4 123.2
 130 91.0 70.4 130.8



#37
 1,2-Dichloropropane
 Concen: 19.382 ug/L
 RT: 9.367 min Scan# 1227
 Delta R.T. 0.006 min
 Lab File: VW030806.D
 Acq: 29 Oct 2024 16:06

Tgt Ion: 63 Resp: 86695
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 32.832 ug/L

RT: 10.068 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

Instrument :

MSVOA_W

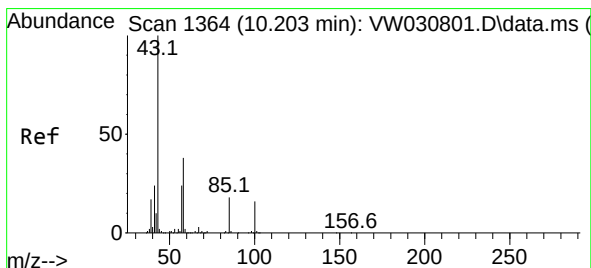
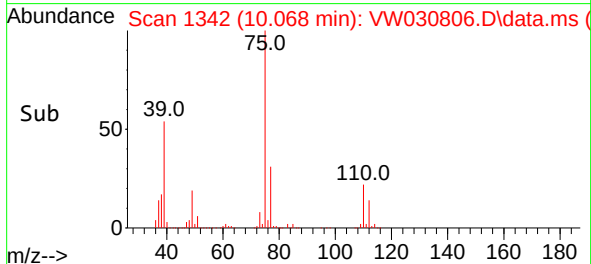
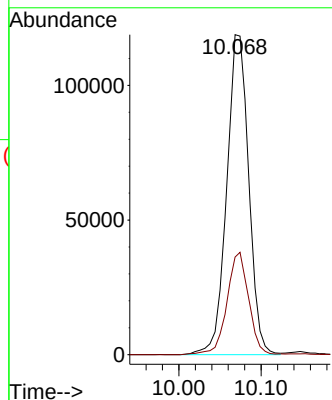
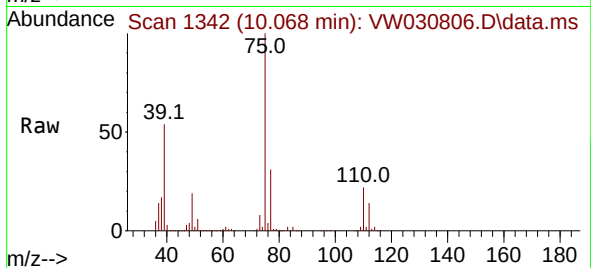
ClientSampleId :

Tgt Ion: 75 Resp: 221506

Ion Ratio Lower Upper

75 100

77 30.5 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 75.873 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

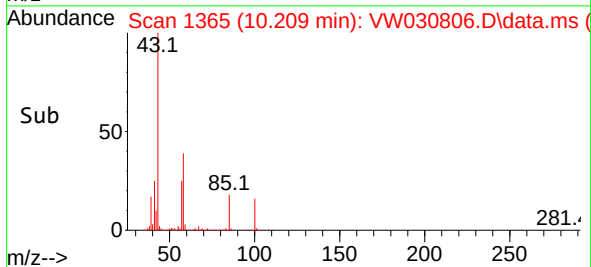
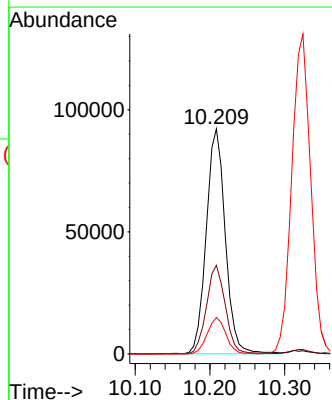
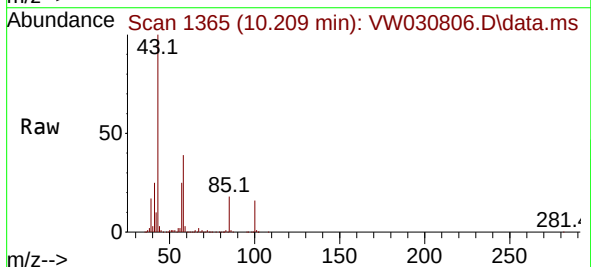
Tgt Ion: 43 Resp: 163037

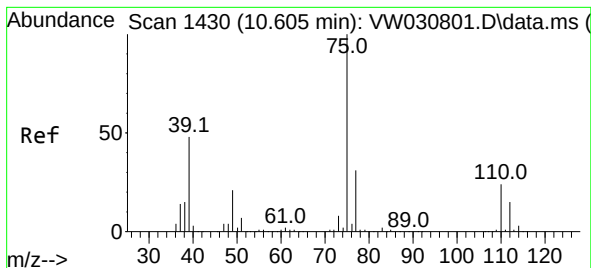
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 15.9 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 36.859 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

Instrument :

MSVOA_W

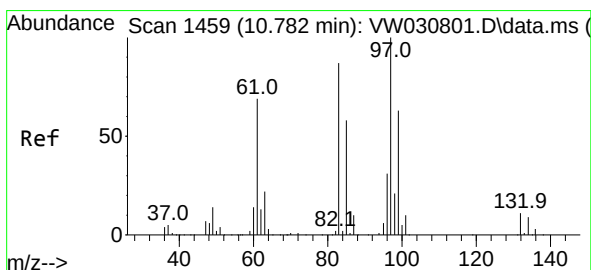
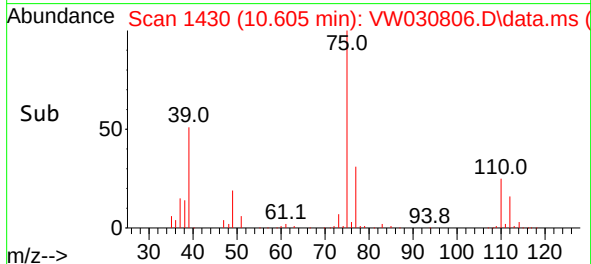
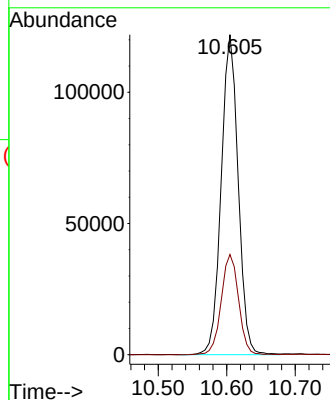
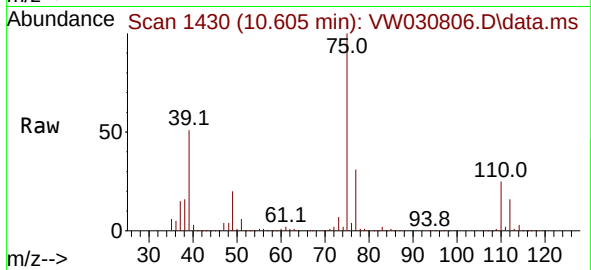
ClientSampleId :

Tgt Ion: 75 Resp: 208972

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 25.736 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

Tgt Ion: 97 Resp: 83195

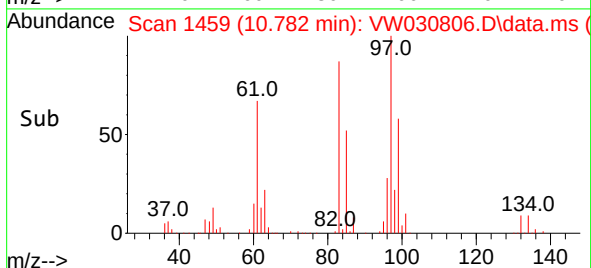
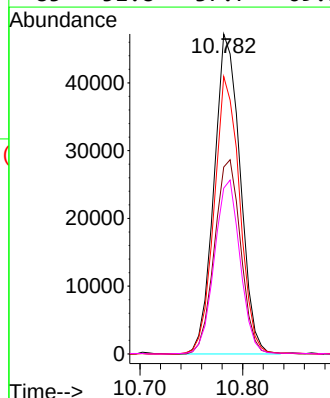
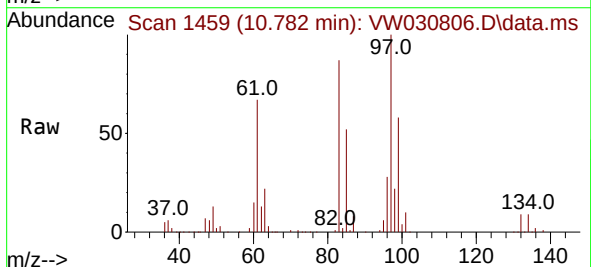
Ion Ratio Lower Upper

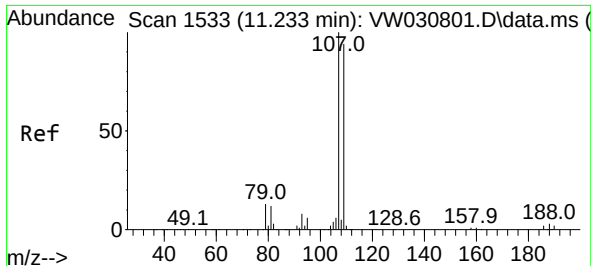
97 100

99 58.4 41.2 76.6

83 86.7 59.6 110.6

85 51.8 37.7 69.9





#50

1,2-Dibromoethane

Concen: 21.869 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030806.D

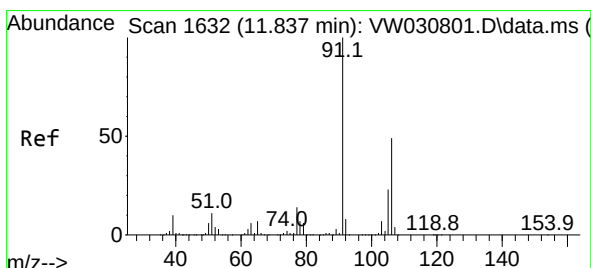
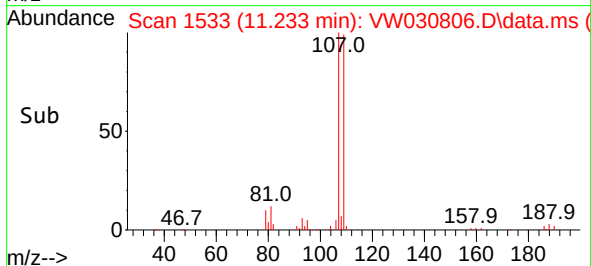
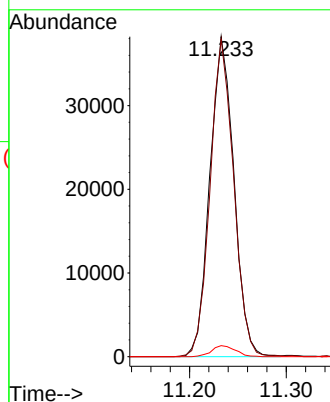
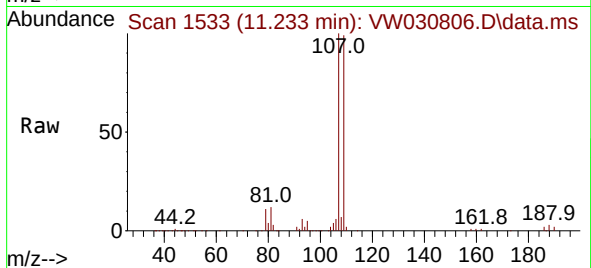
Acq: 29 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	65965
Ion Ratio	Lower	Upper
107	100	
109	99.3	63.8 118.6
188	3.5	2.6 3.8



#53

m,p-Xylene

Concen: 22.910 ug/L

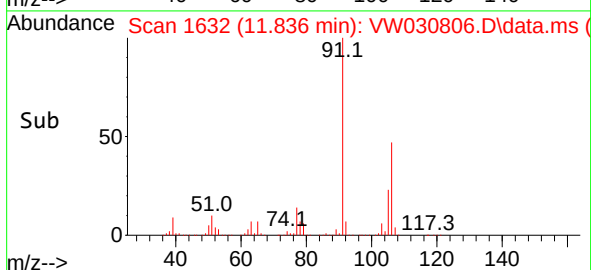
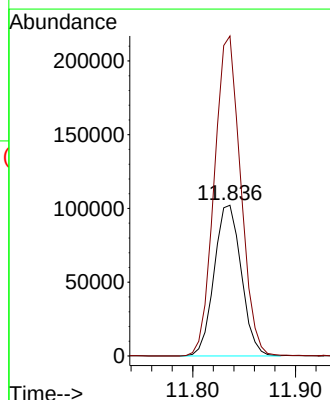
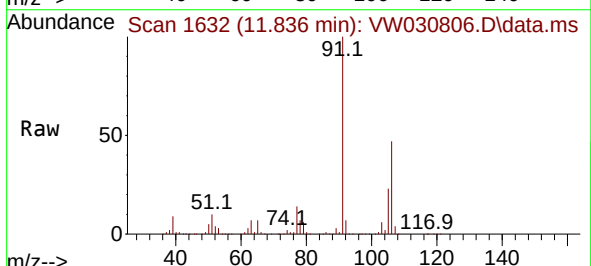
RT: 11.836 min Scan# 1632

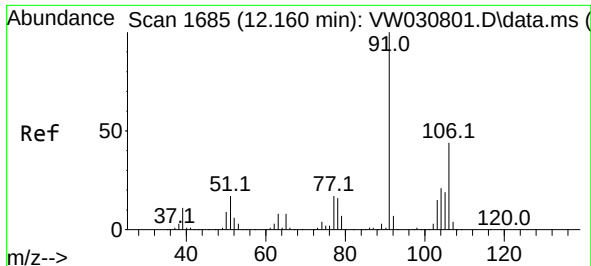
Delta R.T. -0.000 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

Tgt Ion:106	Resp:	187120
Ion Ratio	Lower	Upper
106	100	
91	212.3	140.6 261.2

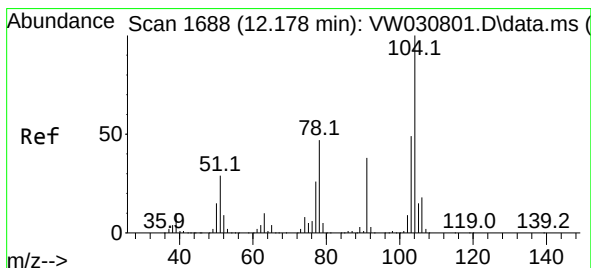
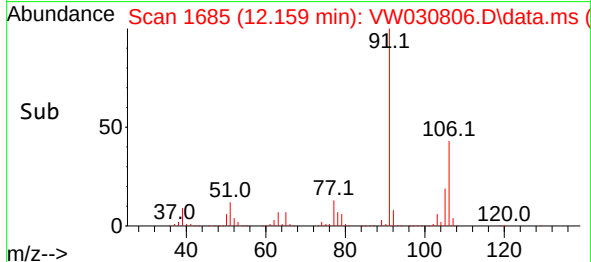
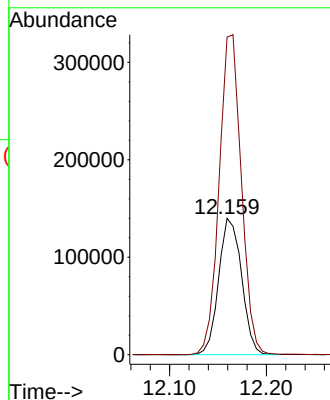
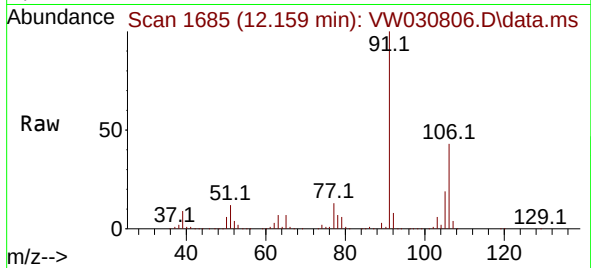




#54
o-Xylene
Concen: 30.482 ug/L
RT: 12.159 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

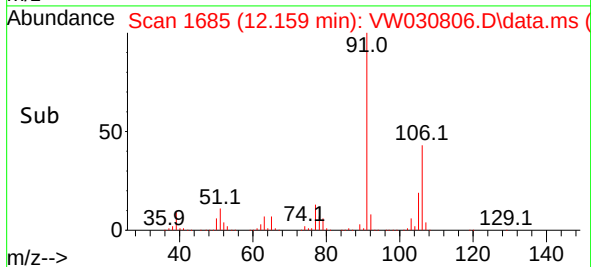
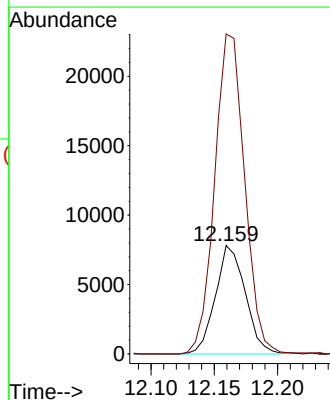
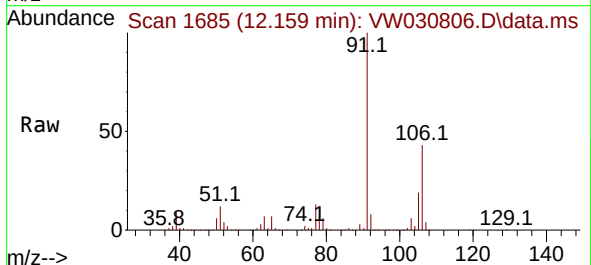
Instrument :
MSVOA_W
ClientSampleId :

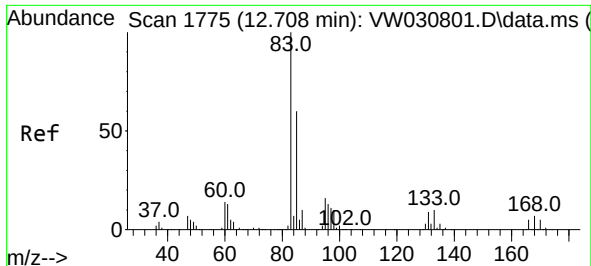
Tgt Ion:106 Resp: 230176
Ion Ratio Lower Upper
106 100
91 233.0 144.5 268.4



#55
Styrene
Concen: 0.993 ug/L
RT: 12.159 min Scan# 1685
Delta R.T. -0.019 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Tgt Ion:104 Resp: 12813
Ion Ratio Lower Upper
104 100
78 294.8 34.3 63.7#





#57

1,1,2,2-Tetrachloroethane

Concen: 23.240 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW030806.D

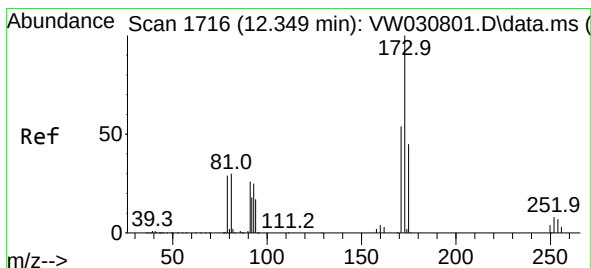
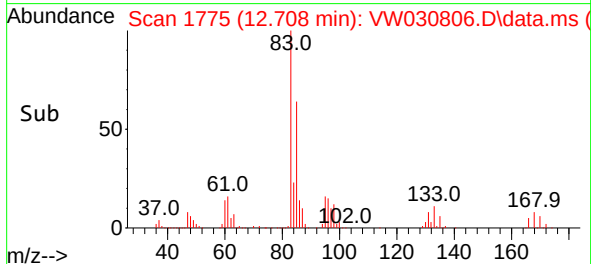
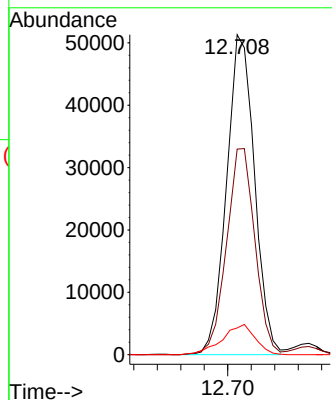
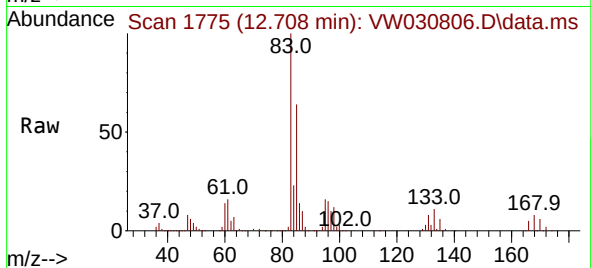
Acq: 29 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	84721
Ion	Ratio	Lower	Upper
83	100		
85	64.2	42.6	79.2
131	8.3	7.4	11.0



#59

Bromoform

Concen: 9.619 ug/L

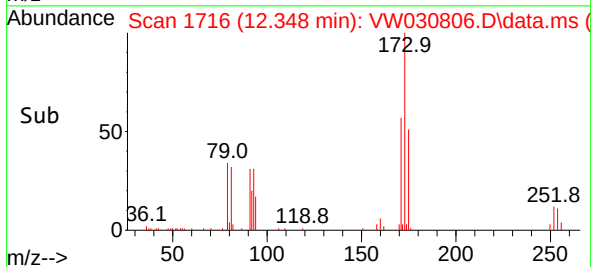
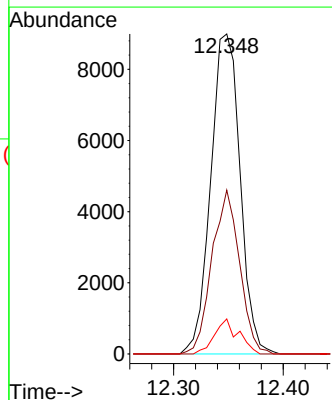
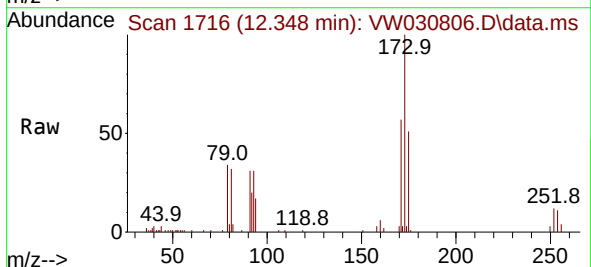
RT: 12.348 min Scan# 1716

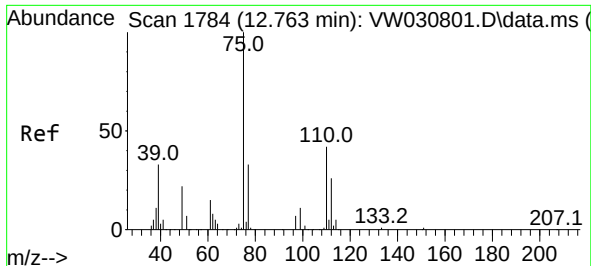
Delta R.T. -0.000 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

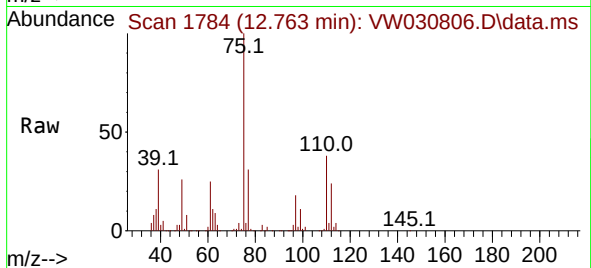
Tgt Ion:	173	Resp:	16759
Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.0	58.4
254	8.9	7.7	11.5



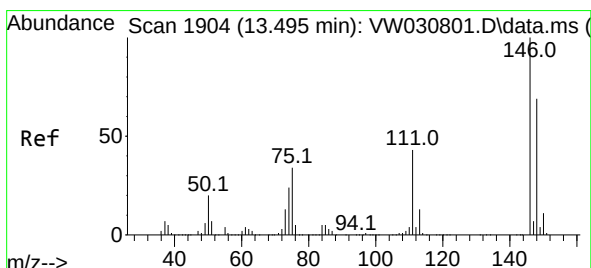
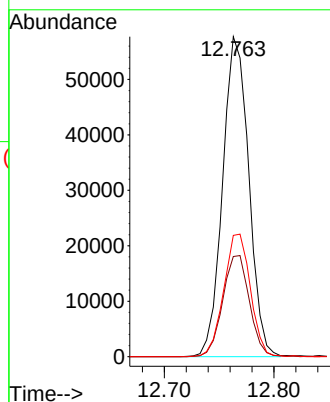
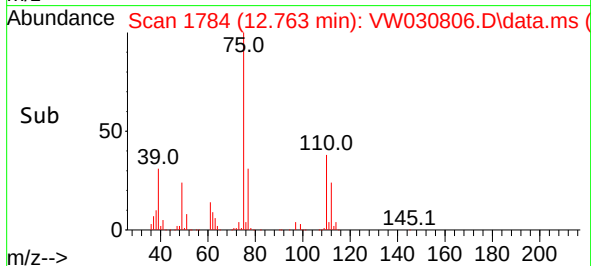


#61
1,2,3-Trichloropropane
Concen: 39.636 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

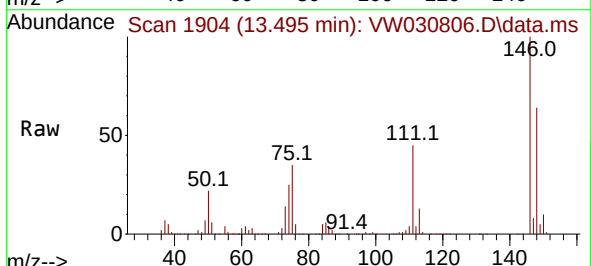
Instrument :
MSVOA_W
ClientSampleId :



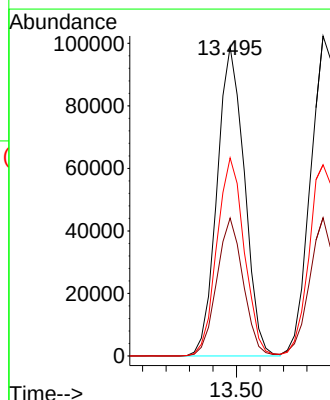
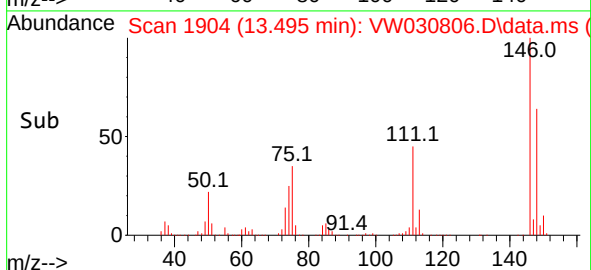
Tgt Ion: 75 Resp: 95645
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 39.0 32.3 48.5

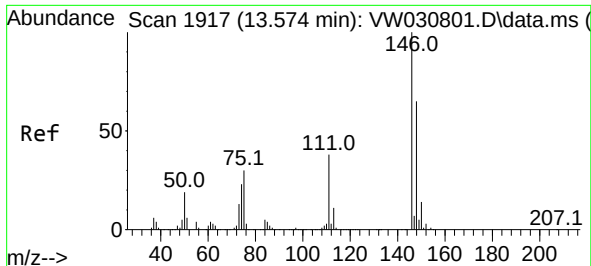


#64
1,3-Dichlorobenzene
Concen: 19.156 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06



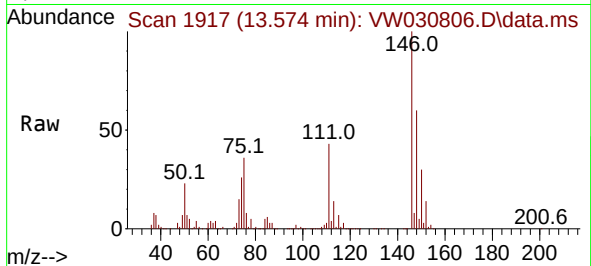
Tgt Ion: 146 Resp: 160132
Ion Ratio Lower Upper
146 100
111 44.6 31.2 58.0
148 64.1 45.7 84.9



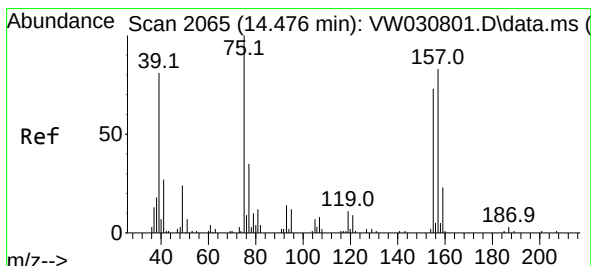
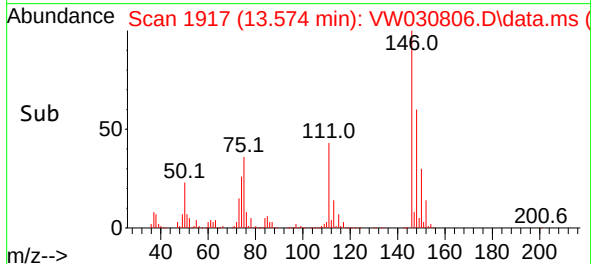
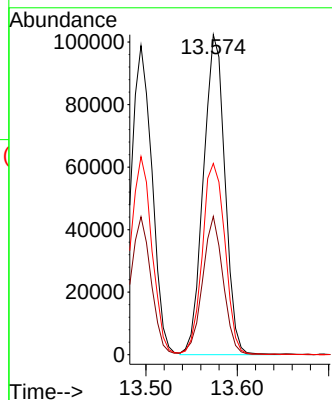


#65
1,4-Dichlorobenzene
Concen: 19.372 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Instrument :
MSVOA_W
ClientSampleId :

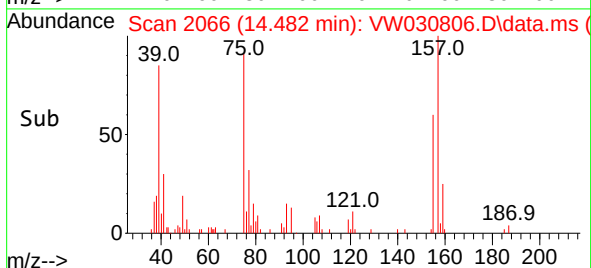
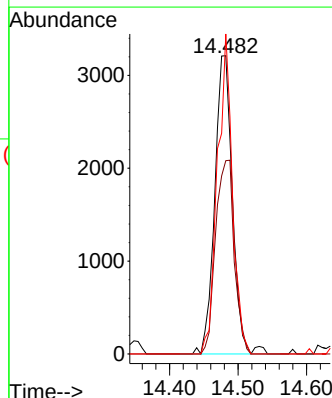
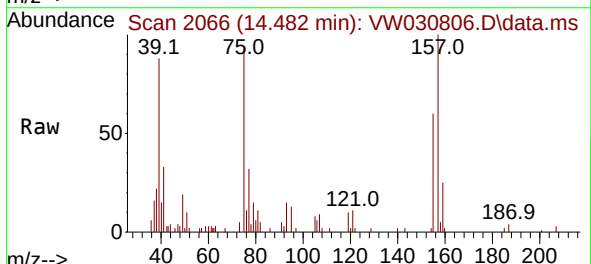


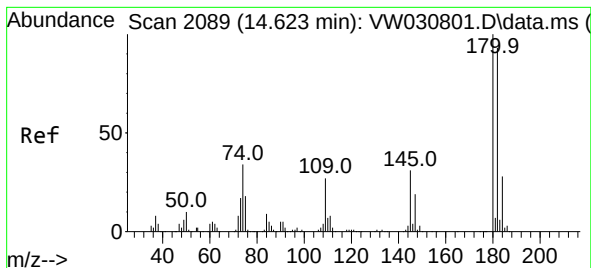
Tgt Ion:146 Resp: 167210
Ion Ratio Lower Upper
146 100
111 43.2 26.8 49.8
148 59.8 41.0 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 10.694 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Tgt Ion: 75 Resp: 5754
Ion Ratio Lower Upper
75 100
155 64.8 57.9 86.9
157 107.3 69.0 103.6#





#69

1,3,5-Trichlorobenzene

Concen: 8.061 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. 0.500 min

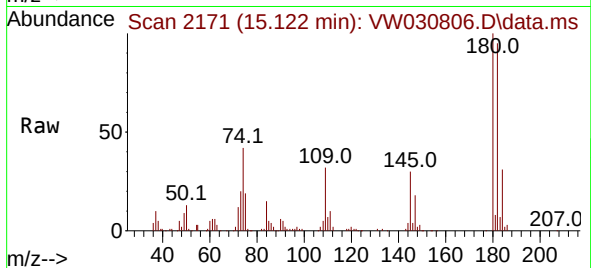
Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 44437

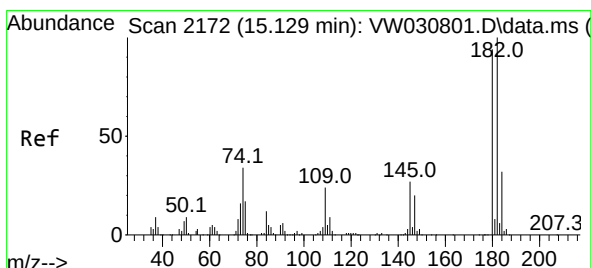
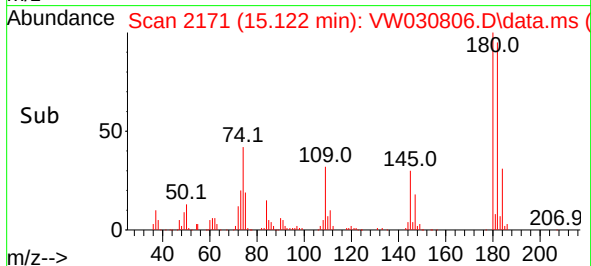
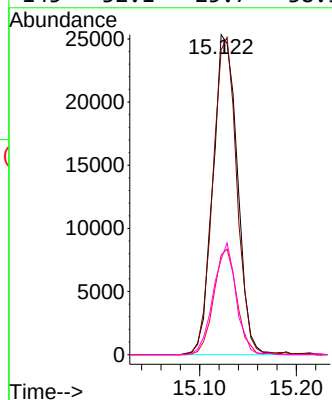
Ion Ratio Lower Upper

180 100

182 97.1 79.9 119.9

184 31.2 25.2 37.8

145 32.1 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 10.014 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW030806.D

Acq: 29 Oct 2024 16:06

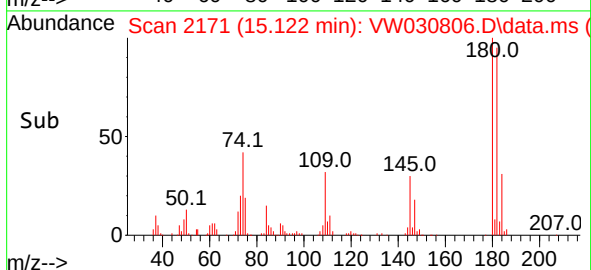
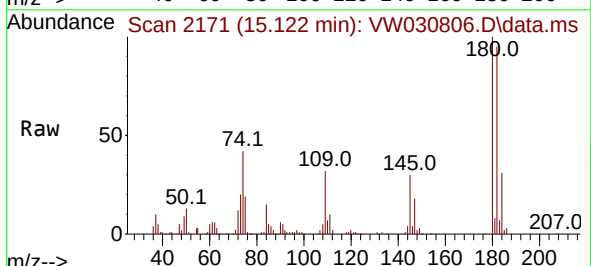
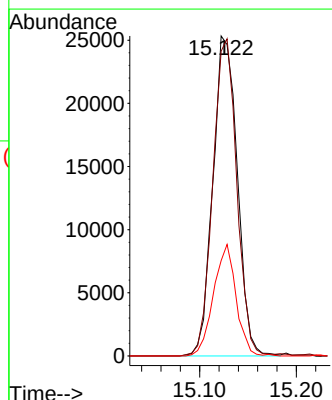
Tgt Ion:180 Resp: 44437

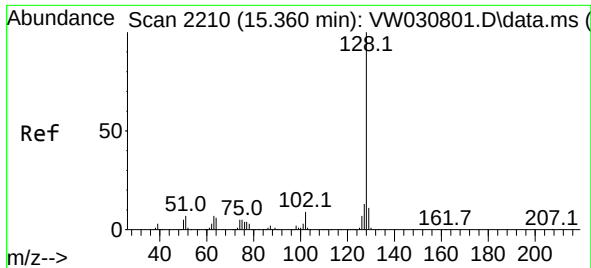
Ion Ratio Lower Upper

180 100

182 97.1 75.2 112.8

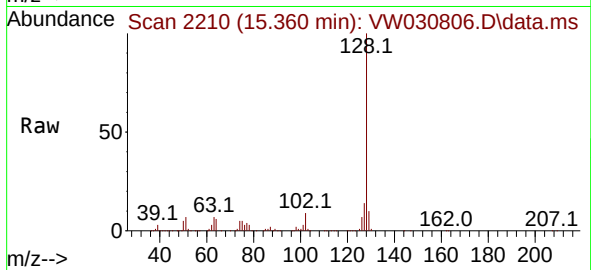
145 32.1 25.4 38.2





#71
Naphthalene
Concen: 36.795 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW030806.D
Acq: 29 Oct 2024 16:06

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 282103
Ion Ratio Lower Upper
128 100
127 13.8 10.9 16.3
129 11.3 8.8 13.2

