

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100424\
 Data File : VW030395.D
 Acq On : 04 Oct 2024 15:59
 Operator : SY/MD
 Sample : P4239-13DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E72DL

Quant Time: Oct 05 01:27:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Oct 05 01:25:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	181484	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	174111	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	87461	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	35531	25.054	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.200%			
7) Chloroethane-d5	2.905	69	27921	27.059	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.240%			
11) 1,1-Dichloroethene-d2	4.021	65	22125	21.373	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 85.480%			
21) 2-Butanone-d5	7.081	46	28888	50.653	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.300%			
24) Chloroform-d	7.654	84	118435	24.292	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.160%			
26) 1,2-Dichloroethane-d4	8.307	65	59702	23.460	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.840%			
32) Benzene-d6	8.276	84	213893	21.919	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.680%			
36) 1,2-Dichloropropane-d6	9.276	67	67166	22.884	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.520%			
41) Toluene-d8	10.324	98	203029	22.689	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.760%			
43) trans-1,3-Dichloroprop...	10.581	79	25735	21.081	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 84.320%			
47) 2-Hexanone-d5	10.922	63	22377	46.171	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.340%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	54021	24.632	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.520%			
66) 1,2-Dichlorobenzene-d4	13.848	152	64613	22.251	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.000%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.039	96	49171	23.321	ug/L	95
13) Acetone	4.124	43	21835	36.092	ug/L	100
16) Methylene chloride	4.917	84	114900	41.135	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	40514	16.552	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	86399	22.193	ug/L	100
19) 1,1-Dichloroethane	6.222	63	222781	47.795	ug/L	97
22) 2-Butanone	7.166	43	85465	110.508	ug/L	97
25) Chloroform	7.679	83	233370	48.276	ug/L	95
31) Carbon tetrachloride	8.069	117	31999	8.877	ug/L	98
33) Benzene	8.325	78	369602	34.852	ug/L	100
34) Trichloroethene	9.093	95	141862	50.291	ug/L	95
37) 1,2-Dichloropropane	9.367	63	54126	19.344	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	139788	32.582	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	110621	76.865	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	130960	36.838	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	50429	25.575	ug/L	97
50) 1,2-Dibromoethane	11.233	107	45724	24.507	ug/L	94
53) m,p-Xylene	11.836	106	125796	26.201	ug/L	99
54) o-Xylene	12.166	106	158222	34.624	ug/L	96

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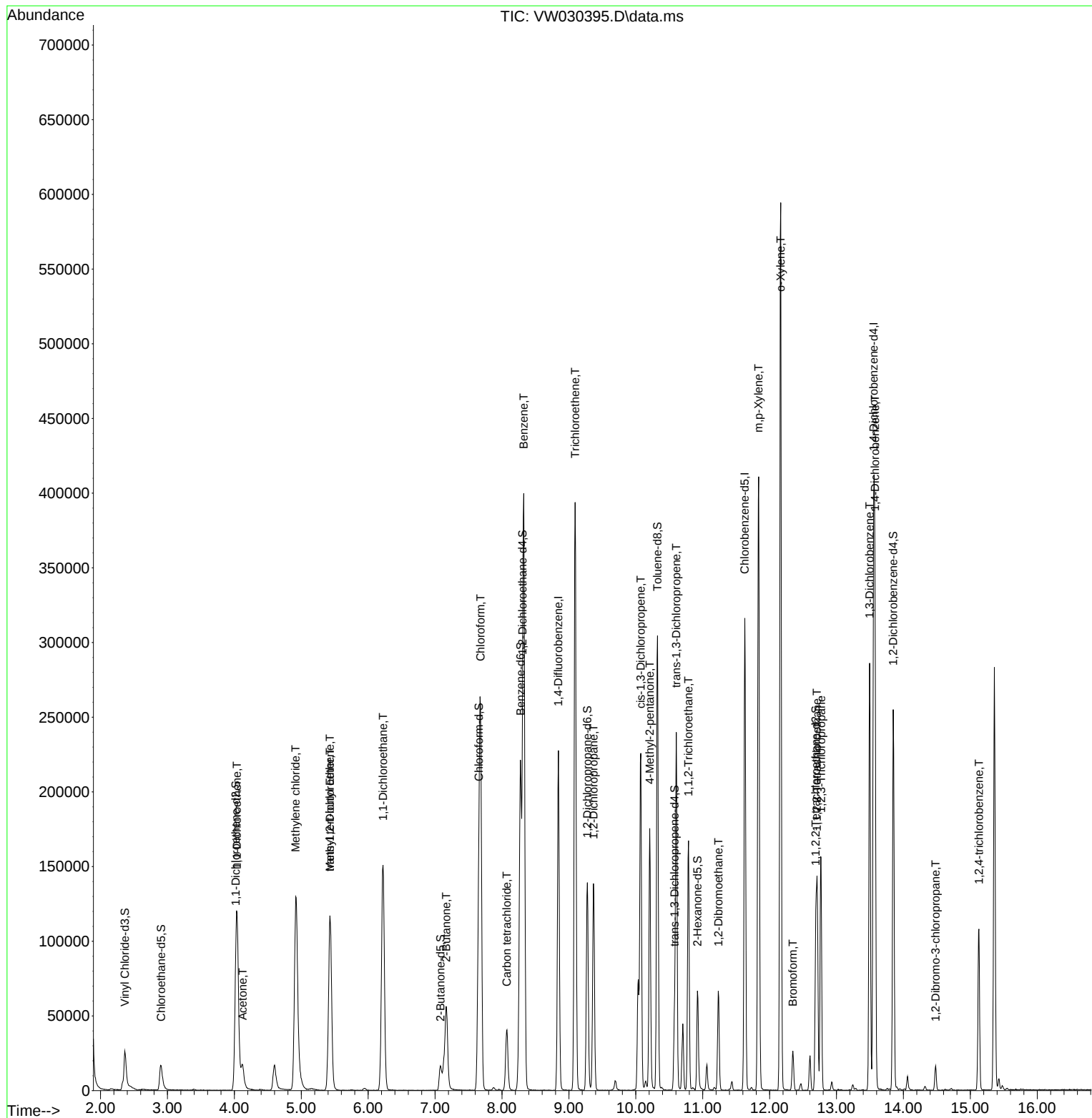
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	61042	26.433	ug/L	96
59) Bromoform	12.348	173	12212	9.638	ug/L #	98
61) 1,2,3-Trichloropropane	12.769	75	69004	41.502	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	116126	20.932	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	120660	21.290	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	4630	12.154	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	33578	10.592	ug/L	99

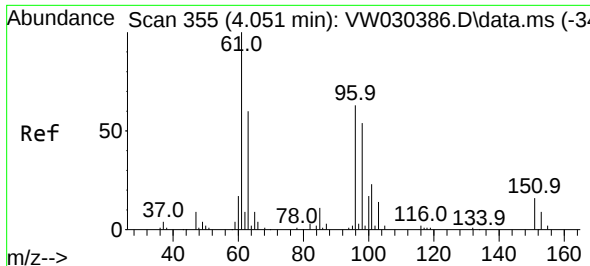
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Quant Title : SFAM01.0
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Response via : Initial Calibration

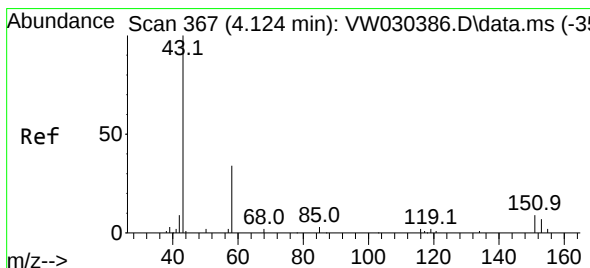
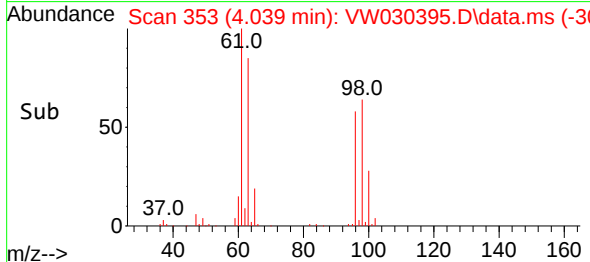
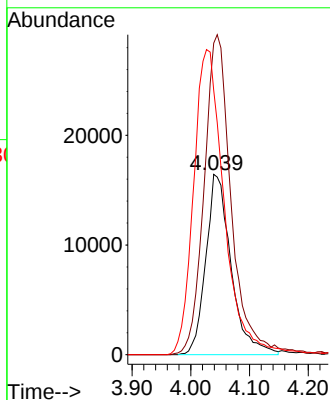
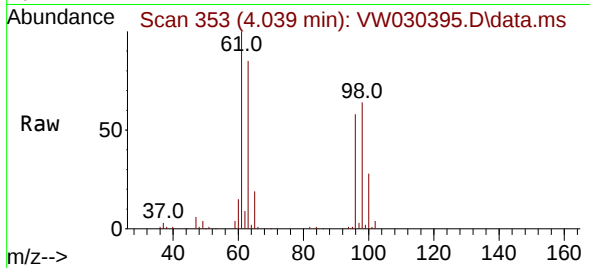




#12
1,1-Dichloroethene
Concen: 23.321 ug/L
RT: 4.039 min Scan# 353
Delta R.T. -0.012 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

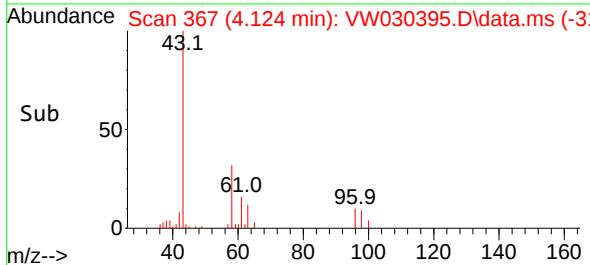
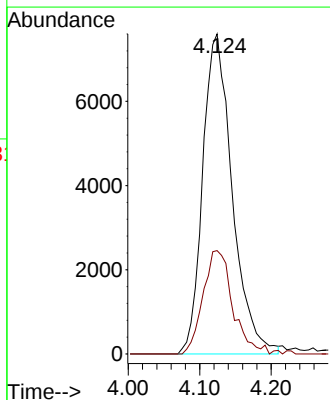
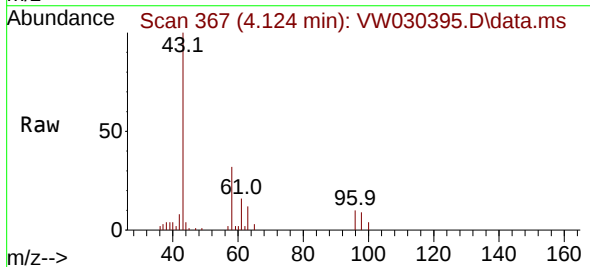
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MSVOA_W
ClientSampleId :
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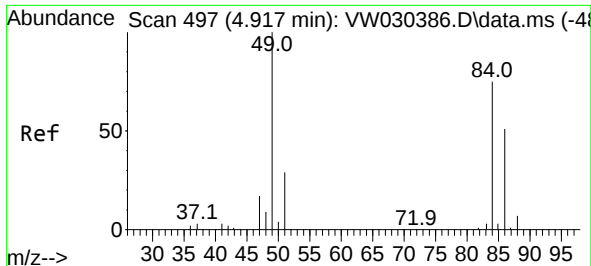
Tgt Ion: 96 Resp: 49171
Ion Ratio Lower Upper
96 100
61 172.8 120.1 223.1
63 146.6 94.8 176.2



#13
Acetone
Concen: 36.092 ug/L
RT: 4.124 min Scan# 367
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion: 43 Resp: 21835
Ion Ratio Lower Upper
43 100
58 32.0 0.0 64.0

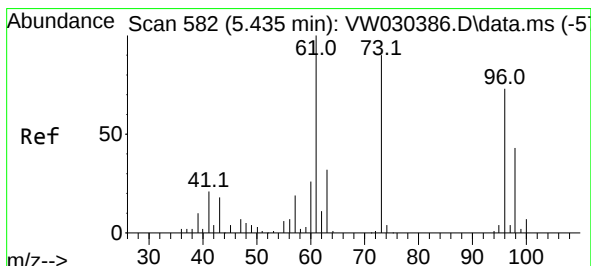
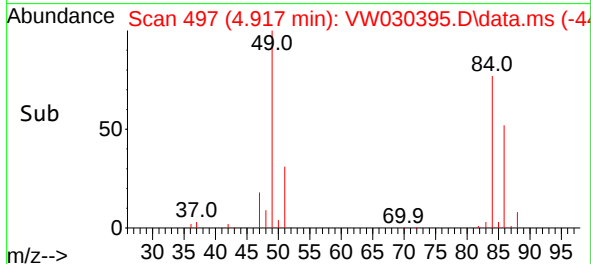
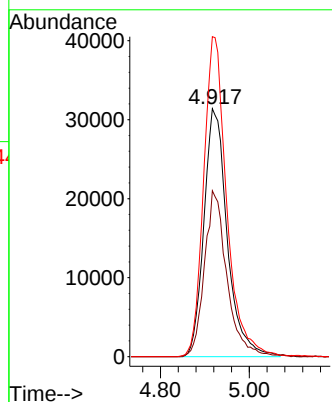
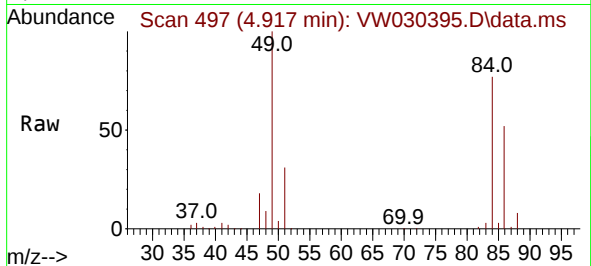




#16
Methylene chloride
Concen: 41.135 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

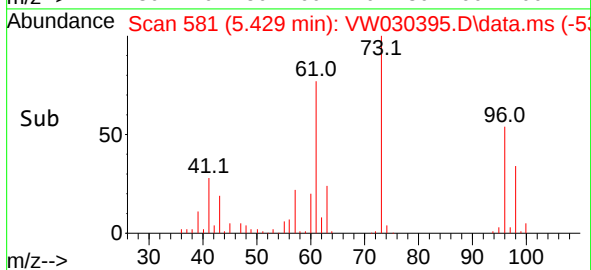
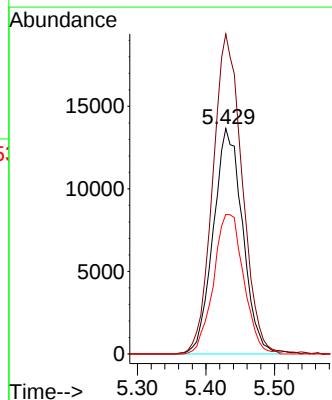
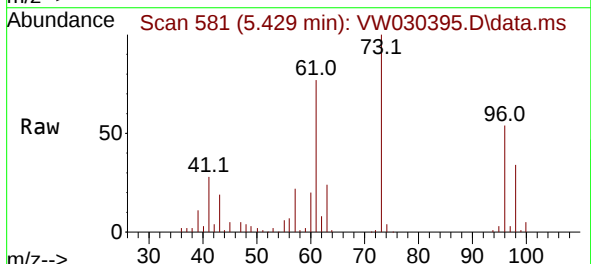
Instrument :
MSVOA_W
ClientSampleId :
A4E72DL

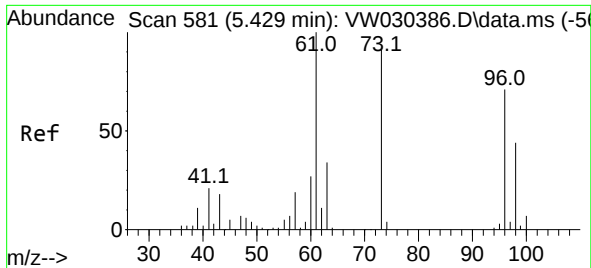
Tgt Ion: 84 Resp: 114900
Ion Ratio Lower Upper
84 100
86 66.9 44.8 83.2
49 129.1 83.6 155.2



#17
trans-1,2-Dichloroethene
Concen: 16.552 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion: 96 Resp: 40514
Ion Ratio Lower Upper
96 100
61 142.0 100.3 186.3
98 61.9 46.3 86.1

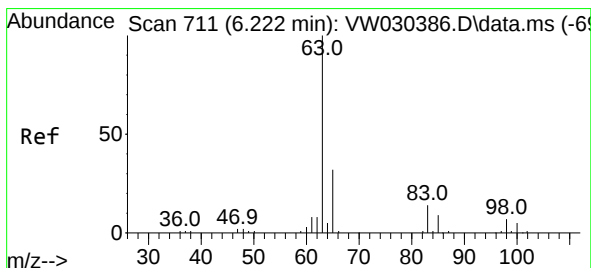
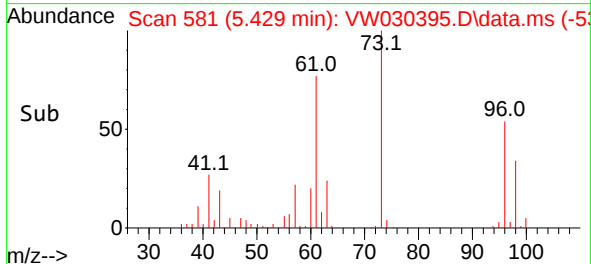
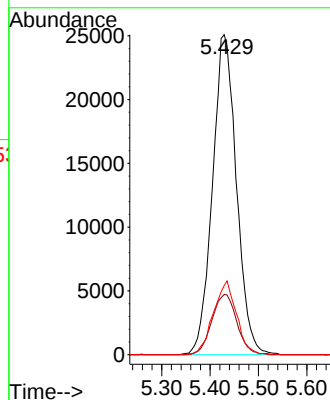
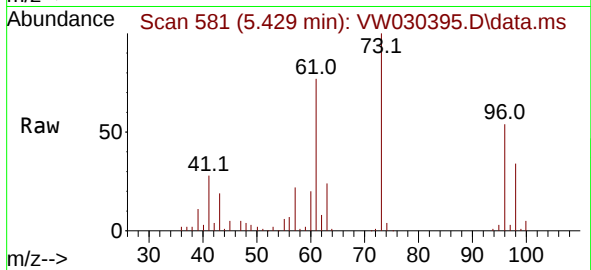




#18
Methyl tert-butyl Ether
Concen: 22.193 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

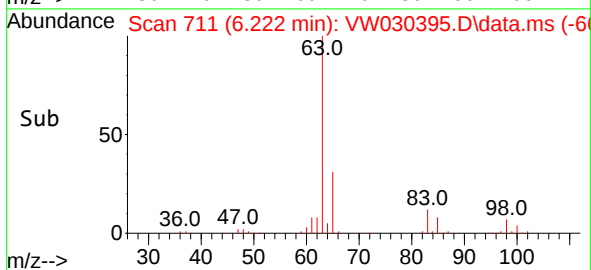
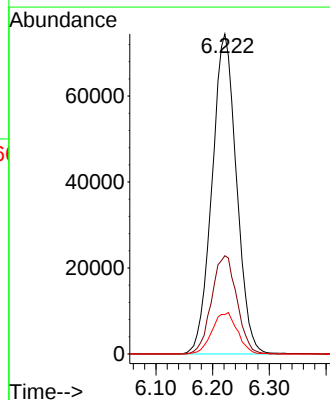
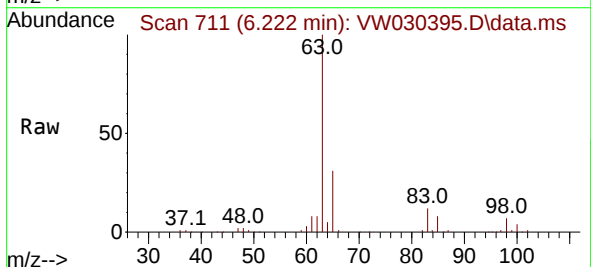
Instrument :
MSVOA_W
ClientSampleId :
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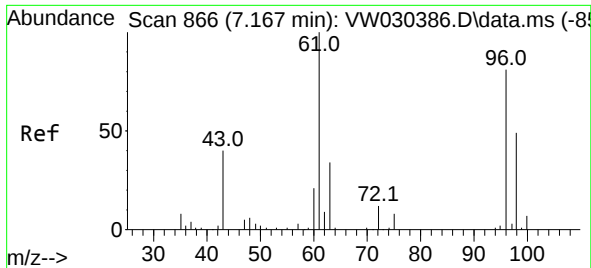
Tgt Ion:	73	Resp:	86399
Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.9	23.9
57	22.1	17.6	26.4



#19
1,1-Dichloroethane
Concen: 47.795 ug/L
RT: 6.222 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion:	63	Resp:	222781
Ion	Ratio	Lower	Upper
63	100		
65	30.7	20.7	38.5
83	12.3	9.9	18.3

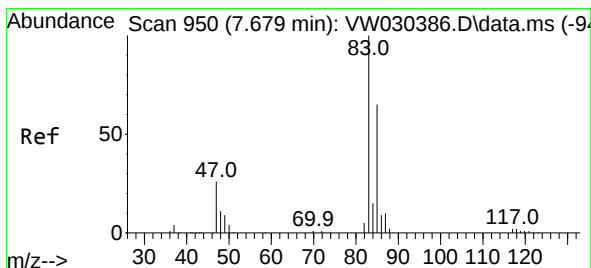
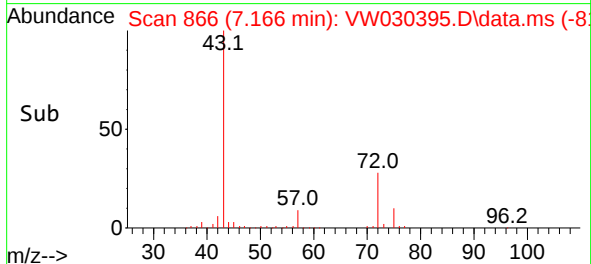
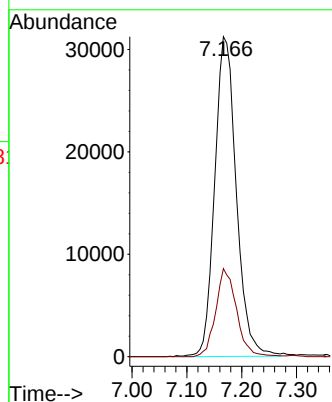
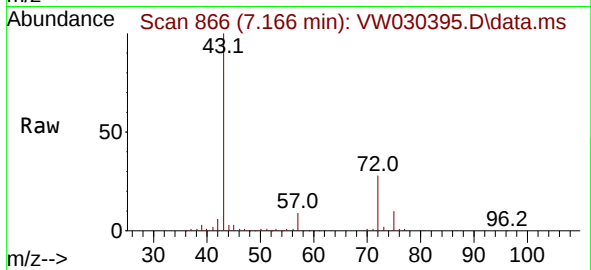




#22
2-Butanone
Concen: 110.508 ug/L
RT: 7.166 min Scan# 80
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

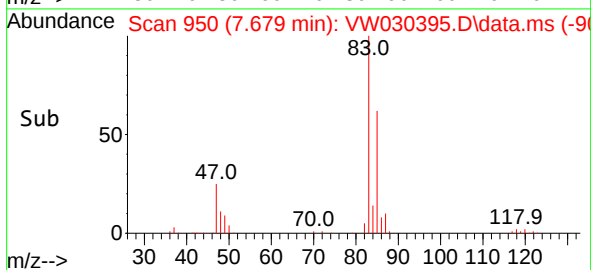
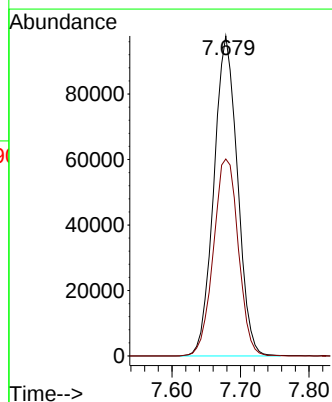
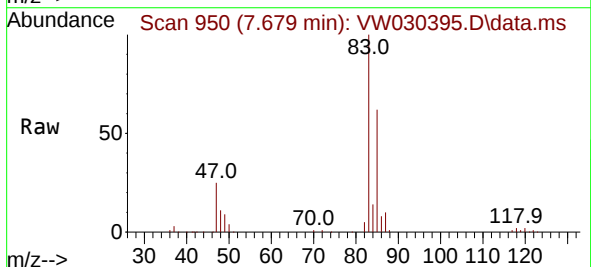
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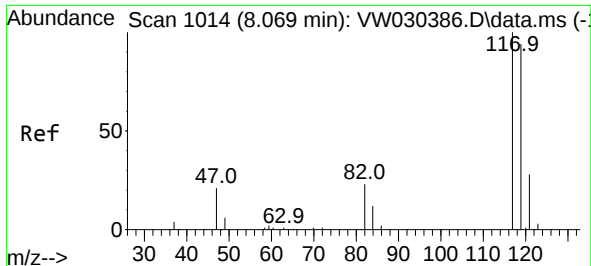
Tgt Ion: 43 Resp: 85465
Ion Ratio Lower Upper
43 100
72 26.6 14.1 42.3



#25
Chloroform
Concen: 48.276 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion: 83 Resp: 233370
Ion Ratio Lower Upper
83 100
85 61.6 45.8 85.0

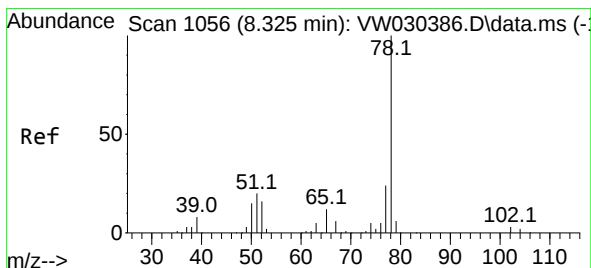
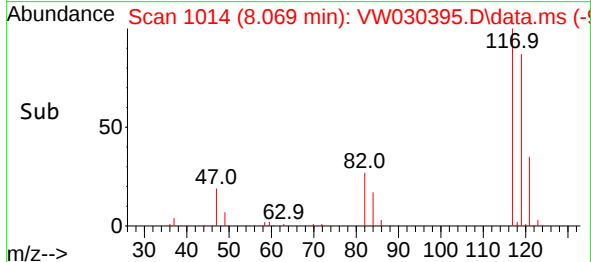
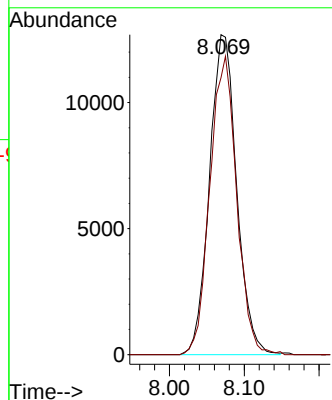
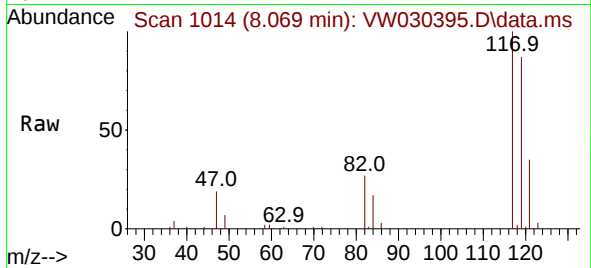




#31
Carbon tetrachloride
Concen: 8.877 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

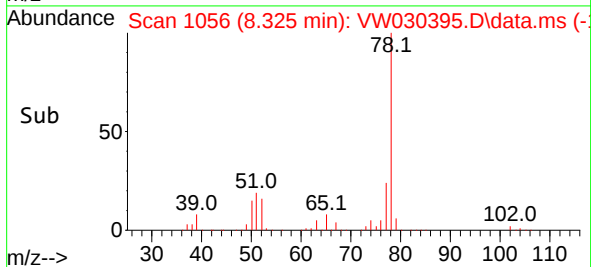
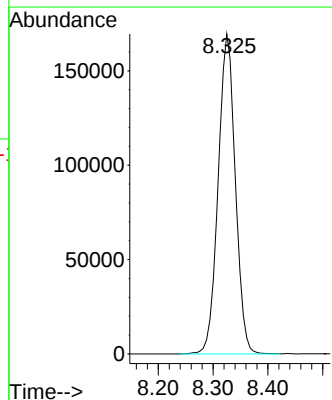
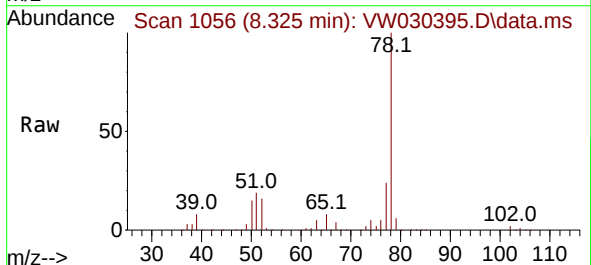
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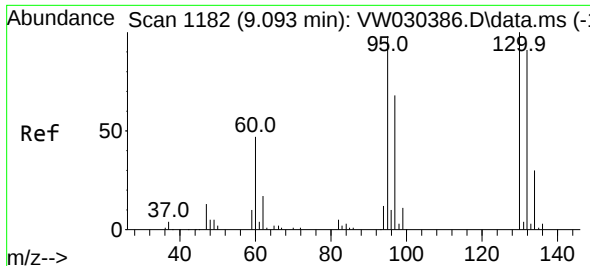
Tgt Ion:117 Resp: 31999
Ion Ratio Lower Upper
117 100
119 92.1 75.5 113.3



#33
Benzene
Concen: 34.852 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion: 78 Resp: 369602



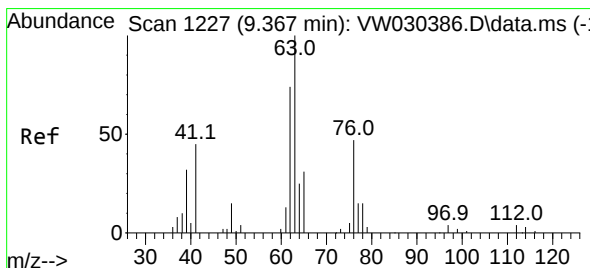
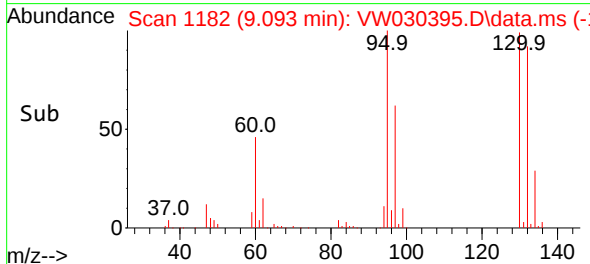
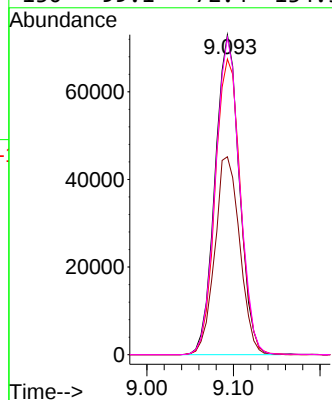
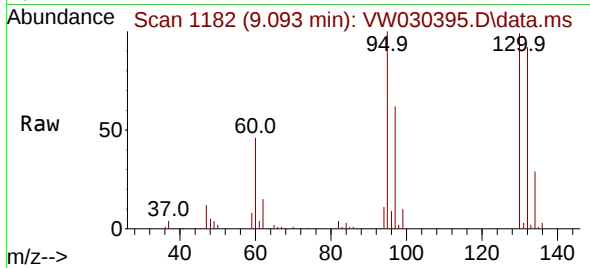


#34
 Trichloroethene
 Concen: 50.291 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. -0.000 min
 Lab File: VW030395.D
 Acq: 04 Oct 2024 15:59

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E72DL

Tgt Ion: 95 Resp: 141862

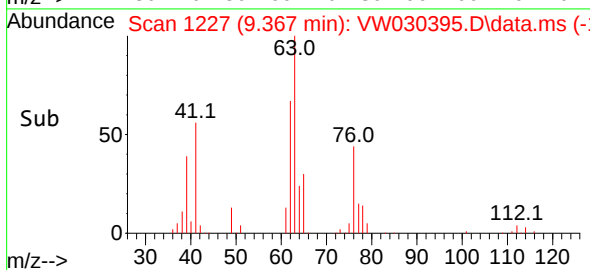
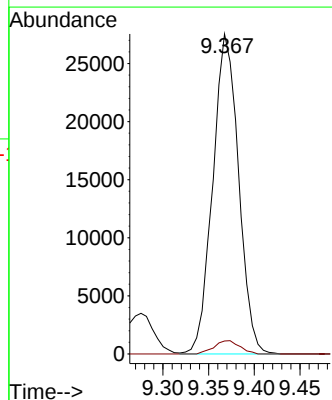
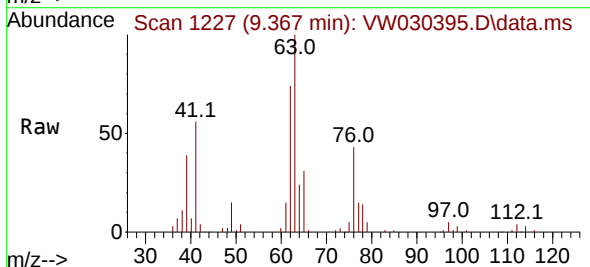
Ion	Ratio	Lower	Upper
95	100		
97	61.9	47.5	88.1
132	92.4	66.7	123.9
130	99.1	72.4	134.5

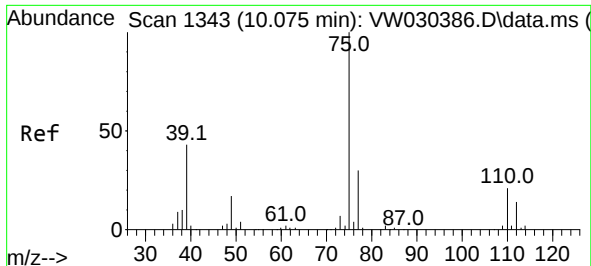


#37
 1,2-Dichloropropane
 Concen: 19.344 ug/L
 RT: 9.367 min Scan# 1227
 Delta R.T. -0.000 min
 Lab File: VW030395.D
 Acq: 04 Oct 2024 15:59

Tgt Ion: 63 Resp: 54126

Ion	Ratio	Lower	Upper
63	100		
112	4.1	3.4	5.2





#39

cis-1,3-Dichloropropene

Concen: 32.582 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

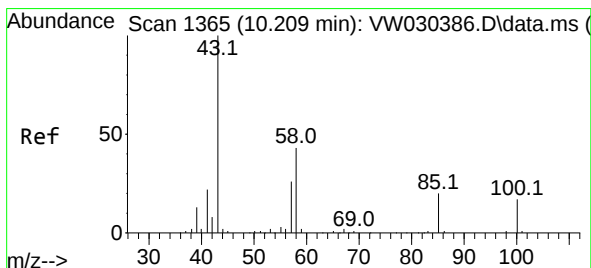
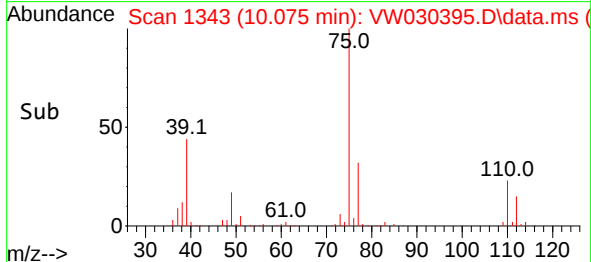
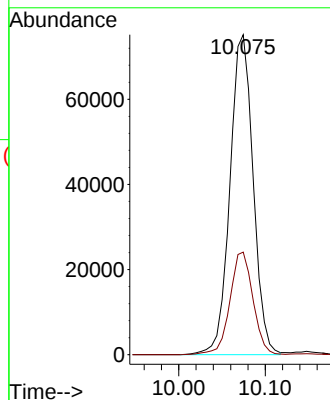
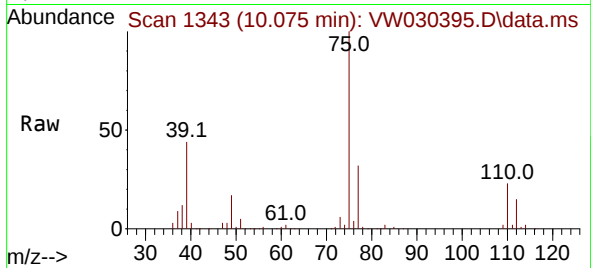
A4E72DL

Tgt Ion: 75 Resp: 139788

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 76.865 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

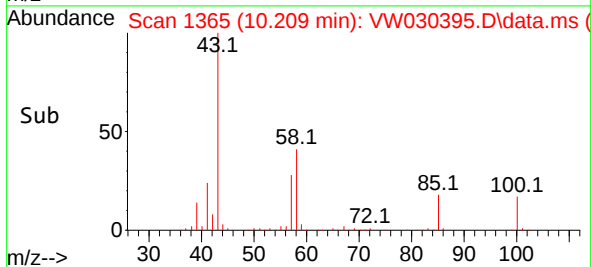
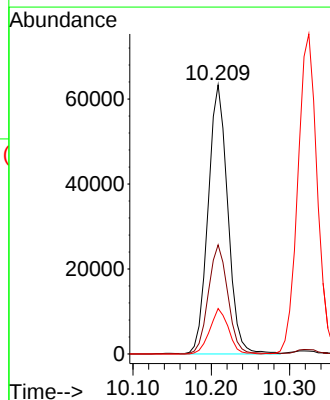
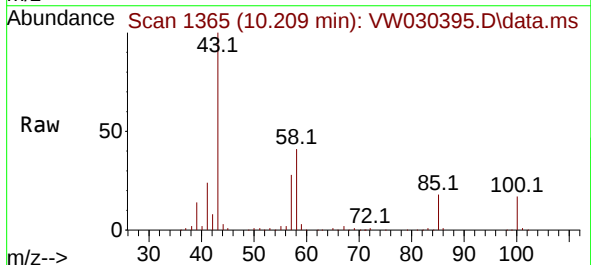
Tgt Ion: 43 Resp: 110621

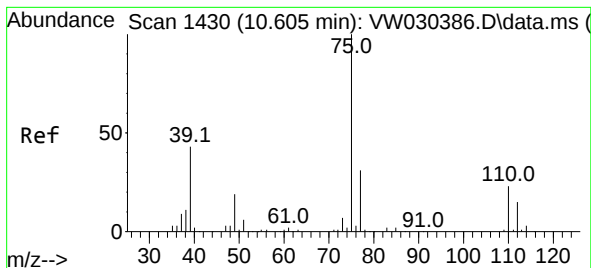
Ion Ratio Lower Upper

43 100

58 40.2 32.6 48.8

100 16.0 12.5 18.7

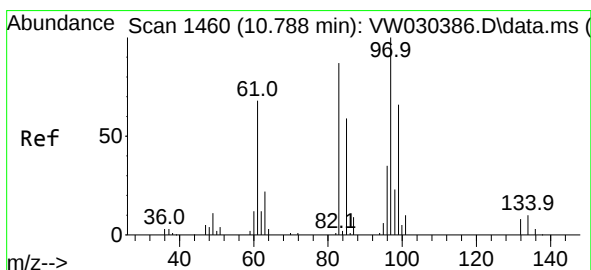
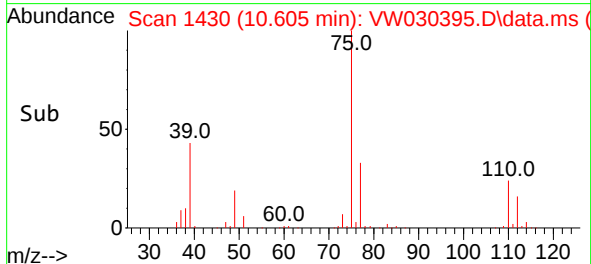
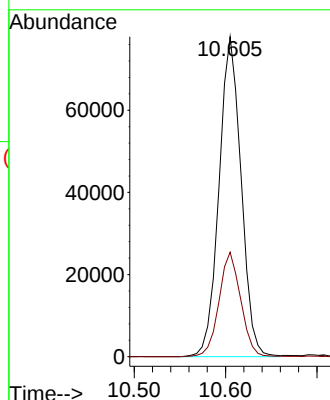
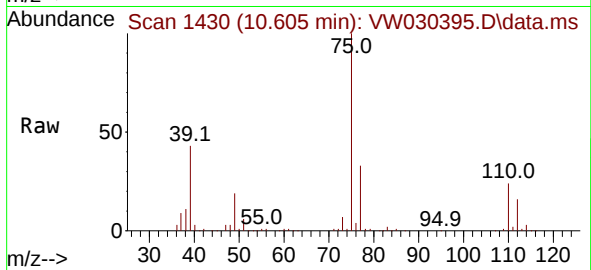




#44
trans-1,3-Dichloropropene
Concen: 36.838 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

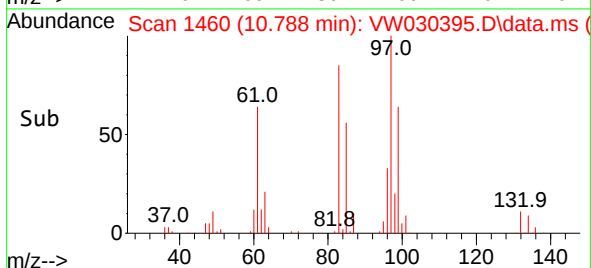
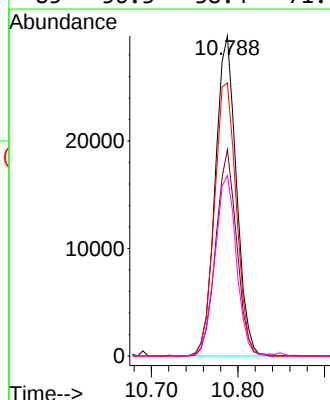
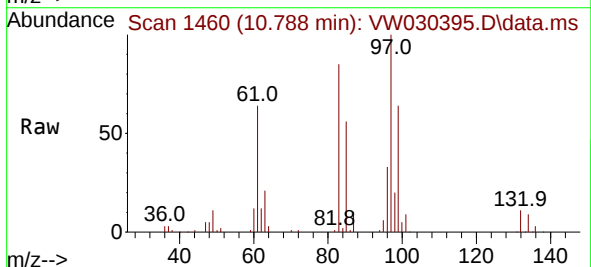
Instrument :
MSVOA_W
ClientSampleId :
A4E72DL

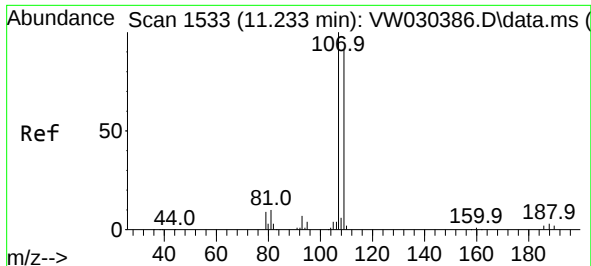
Tgt Ion: 75 Resp: 130960
Ion Ratio Lower Upper
75 100
77 32.7 20.8 38.6



#45
1,1,2-Trichloroethane
Concen: 25.575 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion: 97 Resp: 50429
Ion Ratio Lower Upper
97 100
99 64.5 40.8 75.8
83 85.4 59.1 109.7
85 56.3 38.4 71.4





#50

1,2-Dibromoethane

Concen: 24.507 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

A4E72DL

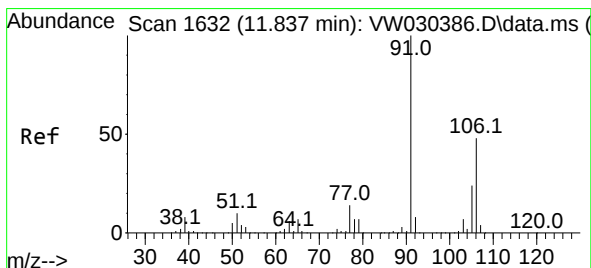
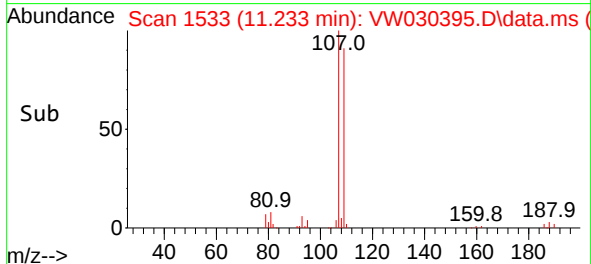
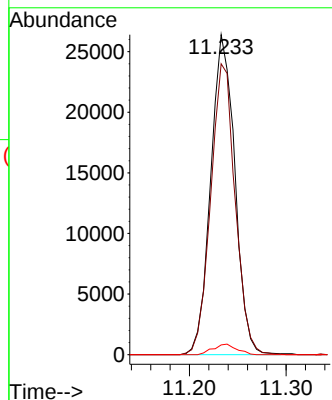
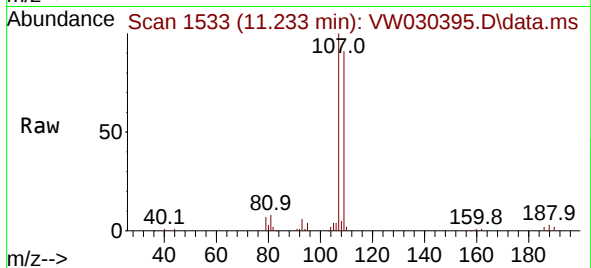
Tgt Ion:107 Resp: 45724

Ion Ratio Lower Upper

107 100

109 90.9 67.8 125.8

188 3.0 2.9 4.3



#53

m,p-Xylene

Concen: 26.201 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW030395.D

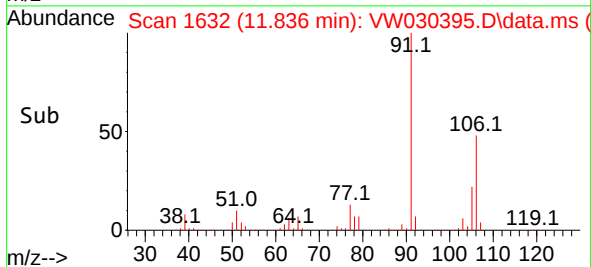
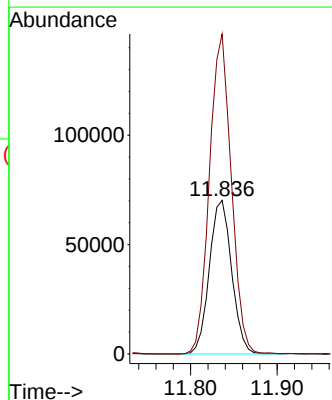
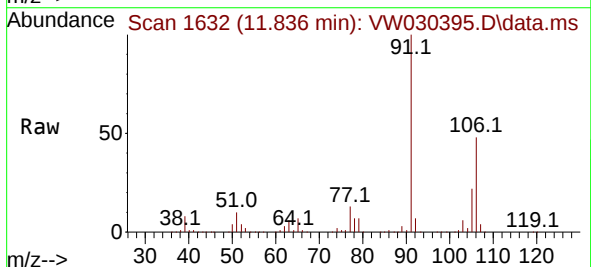
Acq: 04 Oct 2024 15:59

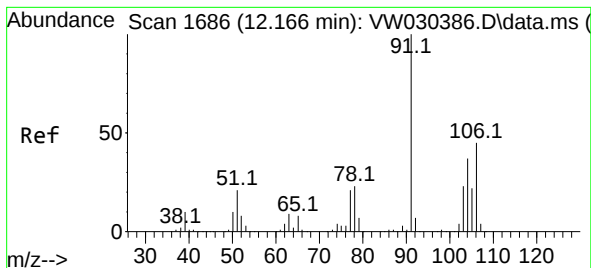
Tgt Ion:106 Resp: 125796

Ion Ratio Lower Upper

106 100

91 208.4 144.4 268.2





#54

o-Xylene

Concen: 34.624 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

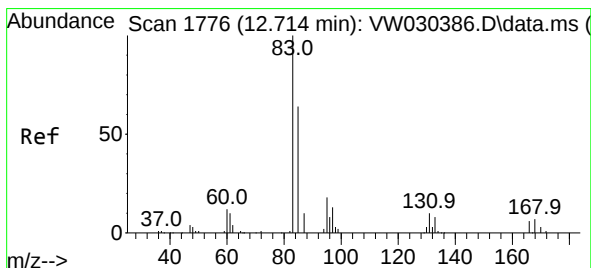
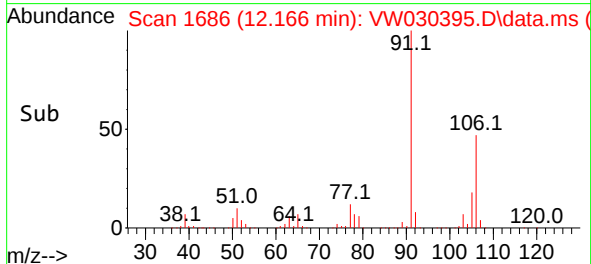
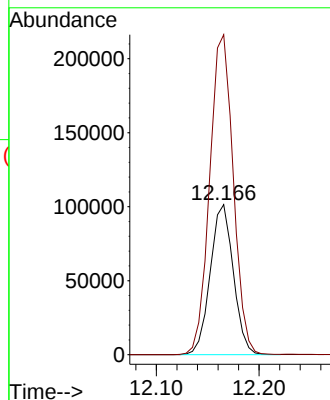
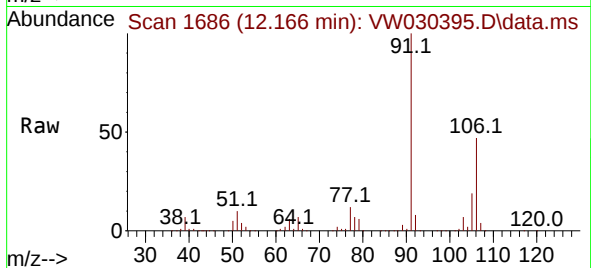
A4E72DL

Tgt Ion:106 Resp: 158222

Ion Ratio Lower Upper

106 100

91 213.2 153.6 285.2



#57

1,1,2,2-Tetrachloroethane

Concen: 26.433 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

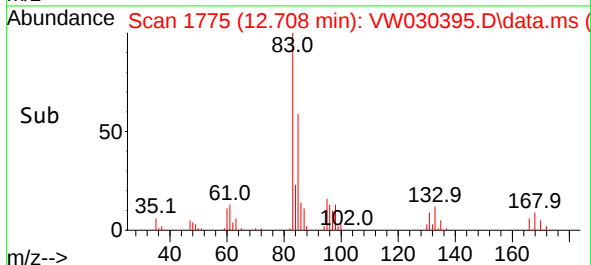
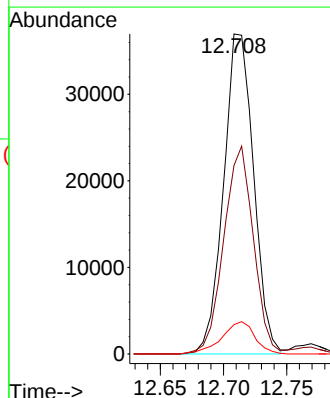
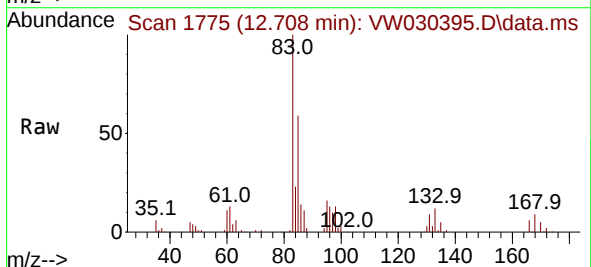
Tgt Ion: 83 Resp: 61042

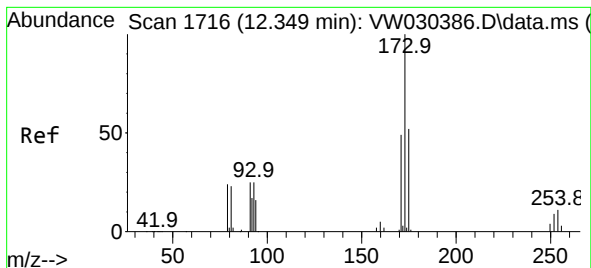
Ion Ratio Lower Upper

83 100

85 58.8 43.9 81.5

131 9.1 7.1 10.7





#59

Bromoform

Concen: 9.638 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

A4E72DL

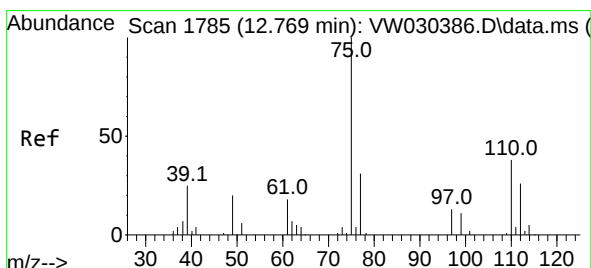
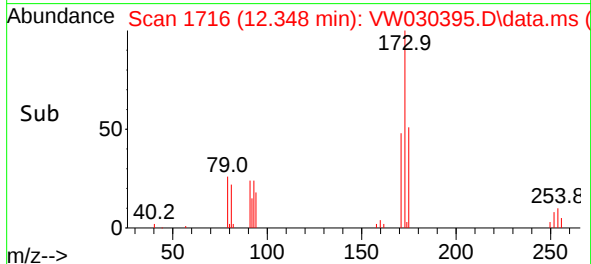
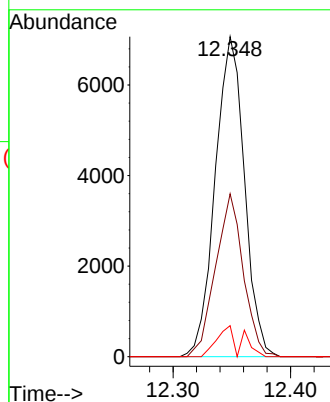
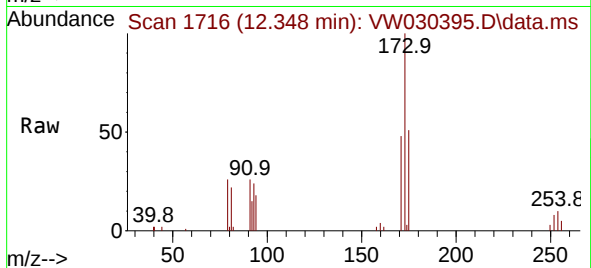
Tgt Ion:173 Resp: 12212

Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 5.3 7.4 11.2#



#61

1,2,3-Trichloropropane

Concen: 41.502 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

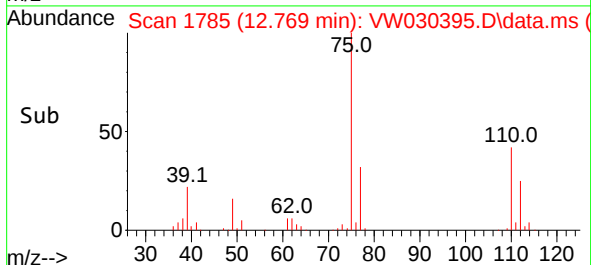
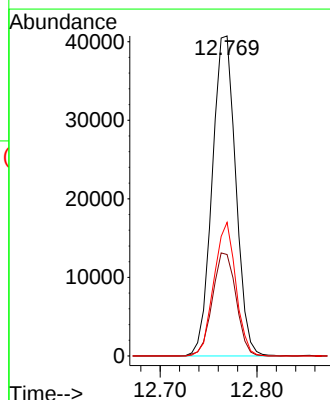
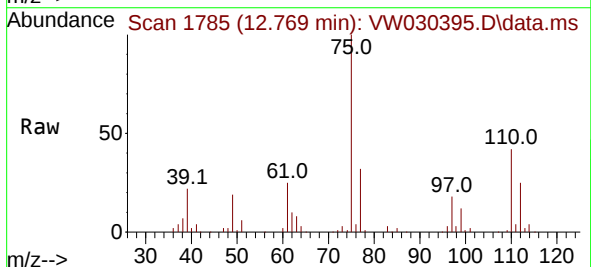
Tgt Ion: 75 Resp: 69004

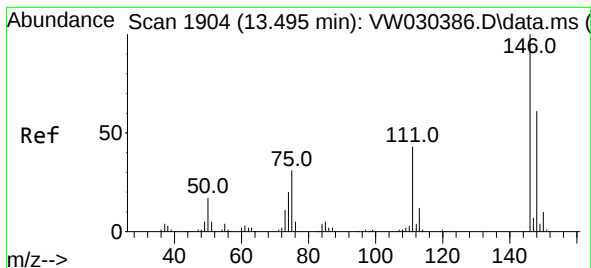
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

110 38.8 30.8 46.2

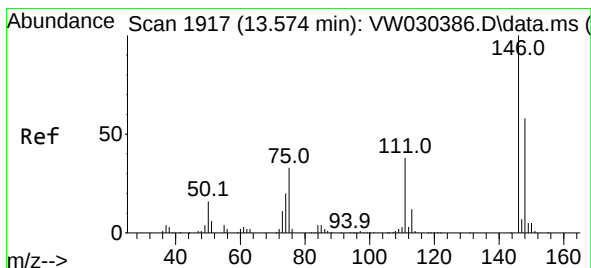
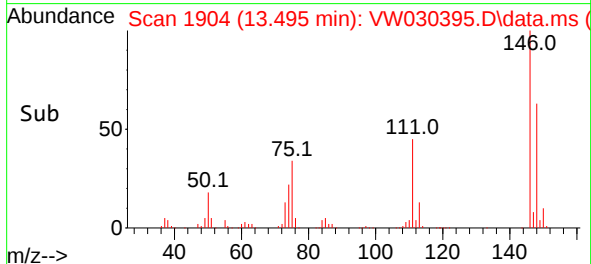
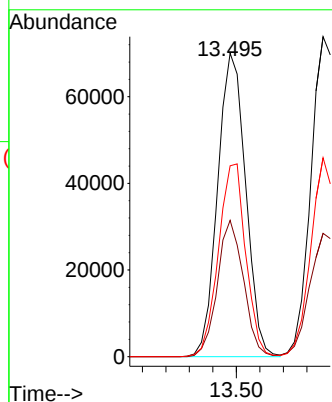
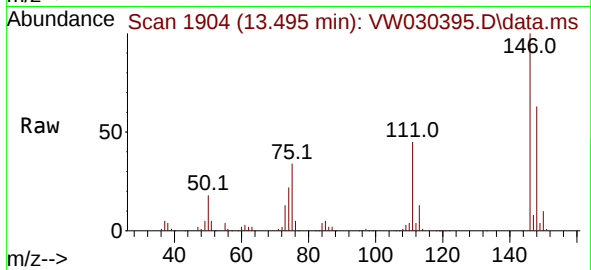




#64
1,3-Dichlorobenzene
Concen: 20.932 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

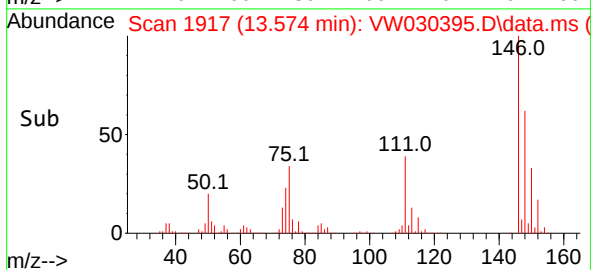
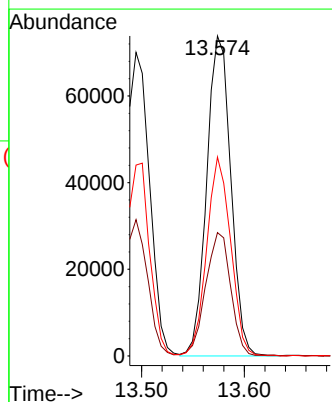
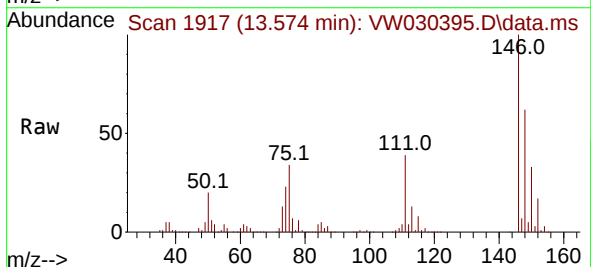
Instrument :
MSVOA_W
ClientSampleId :
A4E72DL

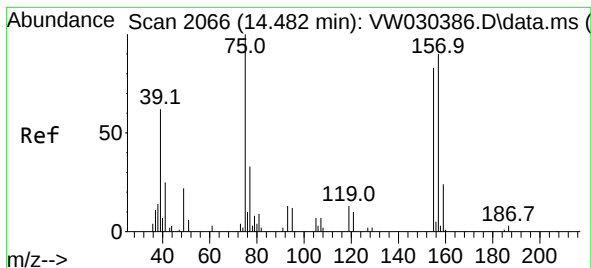
Tgt Ion:146 Resp: 116126
Ion Ratio Lower Upper
146 100
111 44.9 33.2 61.6
148 62.9 50.4 93.6



#65
1,4-Dichlorobenzene
Concen: 21.290 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030395.D
Acq: 04 Oct 2024 15:59

Tgt Ion:146 Resp: 120660
Ion Ratio Lower Upper
146 100
111 38.6 29.1 54.1
148 62.1 42.1 78.1





#68

1,2-Dibromo-3-chloropropane

Concen: 12.154 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

A4E72DL

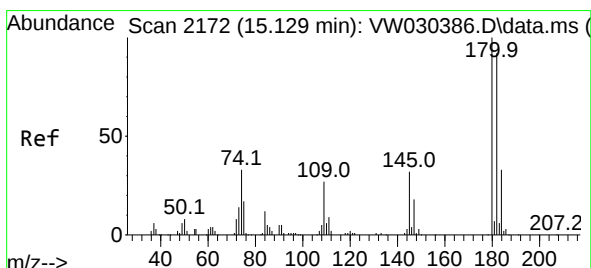
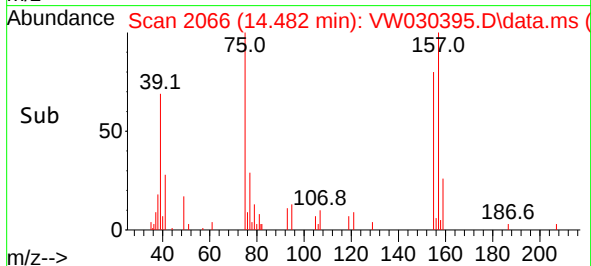
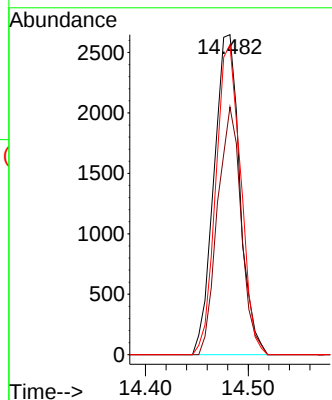
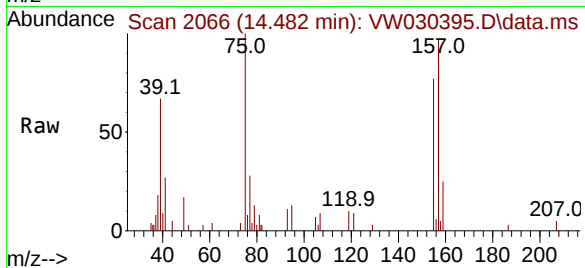
Tgt Ion: 75 Resp: 4630

Ion Ratio Lower Upper

75 100

155 77.4 60.1 90.1

157 96.9 74.3 111.5



#70

1,2,4-trichlorobenzene

Concen: 10.592 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW030395.D

Acq: 04 Oct 2024 15:59

Tgt Ion: 180 Resp: 33578

Ion Ratio Lower Upper

180 100

182 97.3 77.2 115.8

145 33.2 25.3 37.9

