

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101824\
 Data File : VW030661.D
 Acq On : 18 Oct 2024 13:47
 Operator : SY/MD
 Sample : P4429-01DL 2X
 Misc : 5.00g/12mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 19 00:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Oct 19 00:23:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	249708	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	230258	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	115289	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	66546	16.954	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.800%
7) Chloroethane-d5	2.893	69	59942	20.175	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.720%
11) 1,1-Dichloroethene-d2	4.021	65	29809	18.259	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.040%
21) 2-Butanone-d5	7.081	46	35295	49.968	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.940%
24) Chloroform-d	7.648	84	166153	23.267	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.080%
26) 1,2-Dichloroethane-d4	8.422	65	267	0.072	ug/L	0.12
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.280%#
32) Benzene-d6	8.276	84	270004	20.204	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	9.276	67	87400	22.282	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.120%
41) Toluene-d8	10.325	98	256456	21.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.080%
43) trans-1,3-Dichloroprop...	10.575	79	34166	20.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.200%
47) 2-Hexanone-d5	10.922	63	26114	51.689	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.380%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	73577	25.542	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	81056	20.779	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.120%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	76764	22.913	ug/L	87
13) Acetone	4.124	43	31120	30.093	ug/L	78
16) Methylene chloride	4.917	84	166925	44.218	ug/L	97
17) trans-1,2-Dichloroethene	5.435	96	59674	16.507	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	121498	24.014	ug/L	99
19) 1,1-Dichloroethane	6.216	63	333930	49.700	ug/L	99
22) 2-Butanone	7.167	43	111755	100.255	ug/L	95
25) Chloroform	7.679	83	353271	49.201	ug/L	96
30) 1,1,1-Trichloroethane	7.874	97	2293	0.375	ug/L	93
31) Carbon tetrachloride	8.069	117	48179	8.825	ug/L	100
33) Benzene	8.325	78	541752	36.155	ug/L	100
34) Trichloroethene	9.093	95	210673	50.537	ug/L	97
37) 1,2-Dichloropropane	9.367	63	76118	20.340	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	192925	34.177	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	151991	84.540	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	183437	38.671	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	74040	27.375	ug/L	95
50) 1,2-Dibromoethane	11.233	107	64651	25.617	ug/L	96
53) m,p-Xylene	11.830	106	175876	25.736	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101824\
 Data File : VW030661.D
 Acq On : 18 Oct 2024 13:47
 Operator : SY/MD
 Sample : P4429-01DL 2X
 Misc : 5.00g/12mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 19 00:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Oct 19 00:23:37 2024
 Response via : Initial Calibration

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

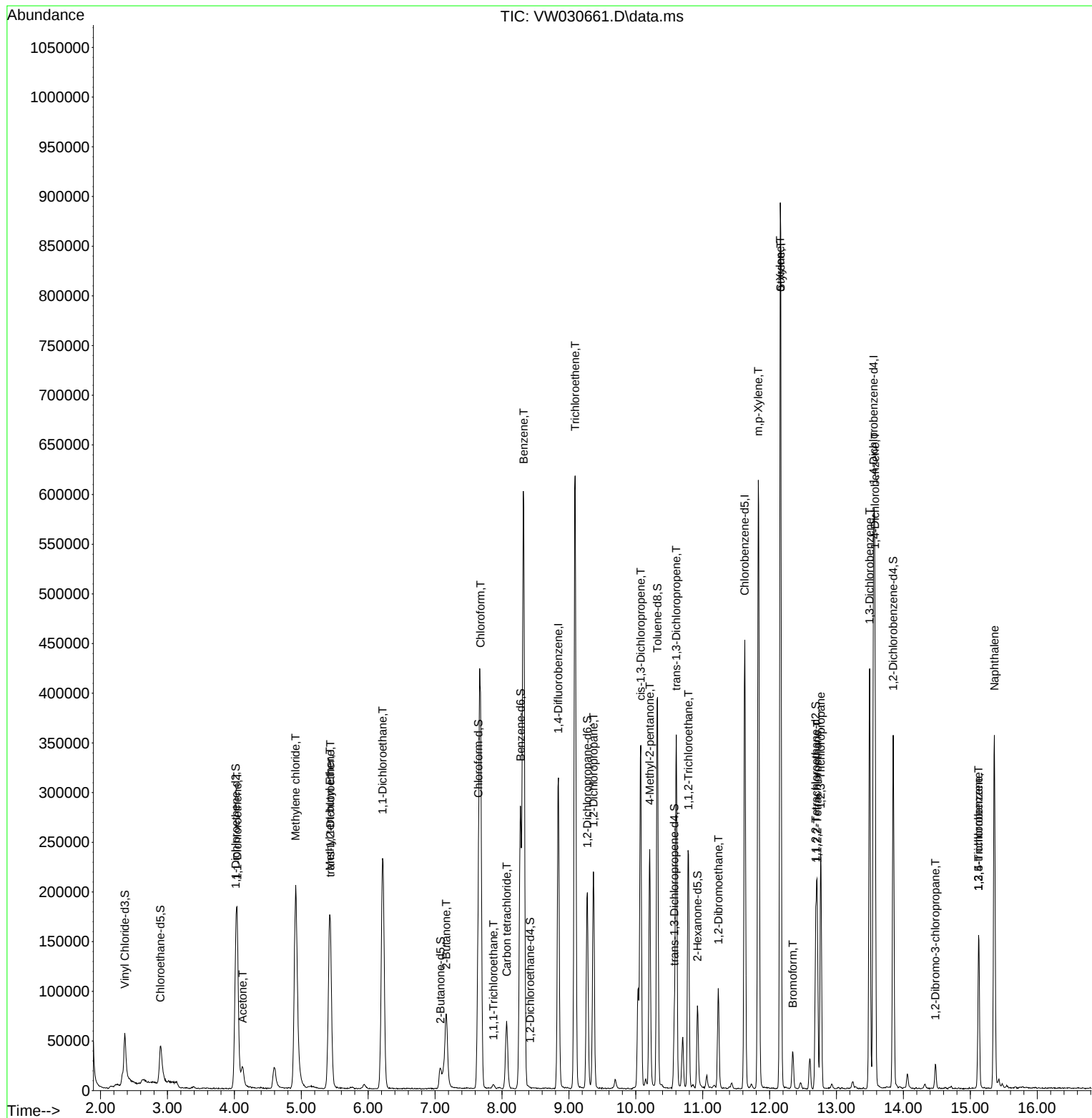
54) o-Xylene	12.160	106	226529	35.855	ug/L	92
55) Styrene	12.166	104	12627	1.169	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.714	83	83880	27.501	ug/L	97
59) Bromoform	12.349	173	15734	9.714	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	92840	41.383	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	156661	20.159	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	156216	19.468	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	6034	12.063	ug/L	95
69) 1,3,5-Trichlorobenzene	15.122	180	42857	8.363	ug/L	99
70) 1,2,4-trichlorobenzene	15.122	180	42857	10.388	ug/L	96
71) Naphthalene	15.360	128	282523	39.638	ug/L	99

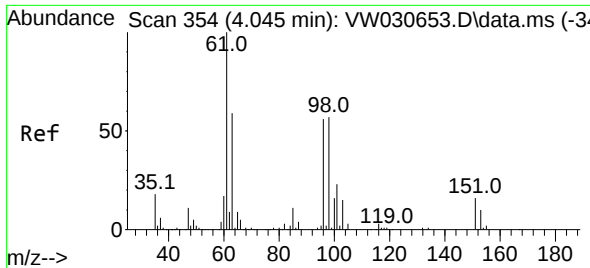
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101824\
Data File : VW030661.D
Acq On : 18 Oct 2024 13:47
Operator : SY/MD
Sample : P4429-01DL 2X
Misc : 5.00g/12mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 19 00:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Oct 19 00:23:37 2024
Response via : Initial Calibration



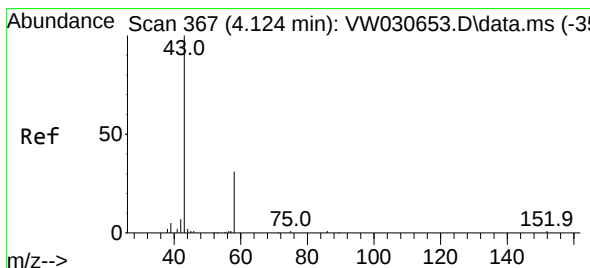
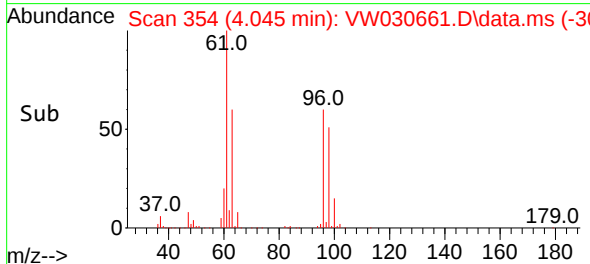
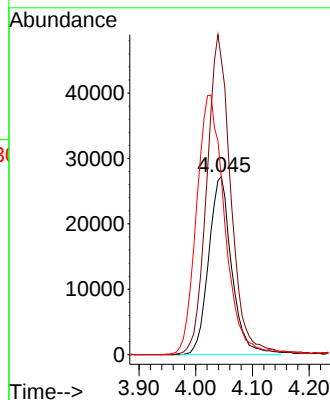
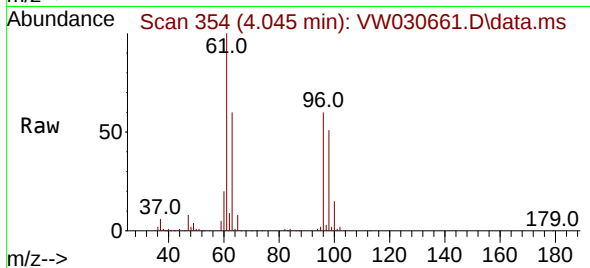


#12
 1,1-Dichloroethene
 Concen: 22.913 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW030661.D
 Acq: 18 Oct 2024 13:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 96 Resp: 76764

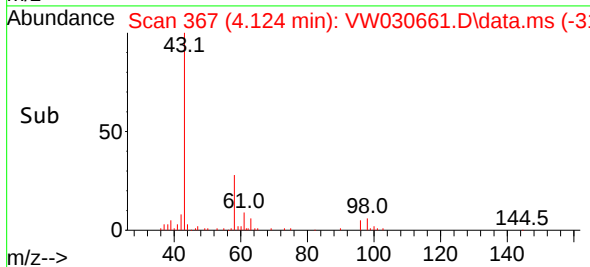
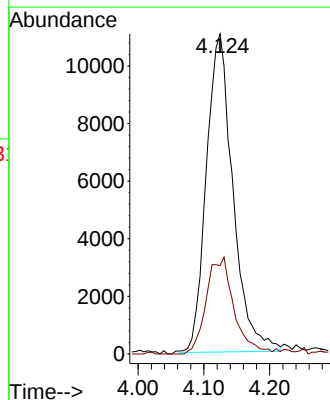
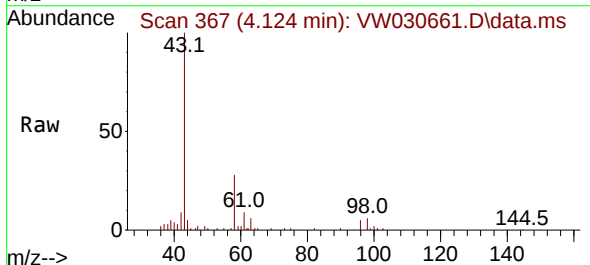
Ion	Ratio	Lower	Upper
96	100		
61	165.7	121.3	225.3
63	99.4	87.6	162.8

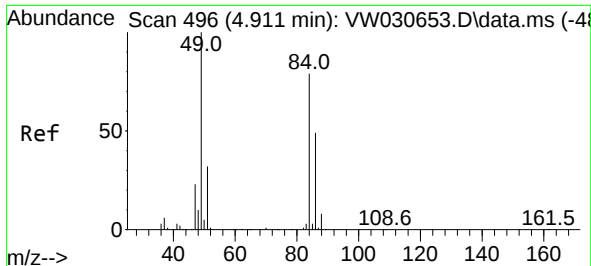


#13
 Acetone
 Concen: 30.093 ug/L
 RT: 4.124 min Scan# 367
 Delta R.T. -0.000 min
 Lab File: VW030661.D
 Acq: 18 Oct 2024 13:47

Tgt Ion: 43 Resp: 31120

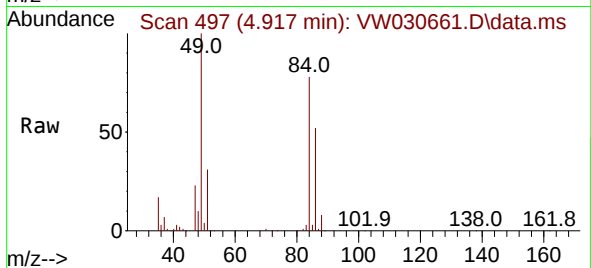
Ion	Ratio	Lower	Upper
43	100		
58	17.2	0.0	57.6



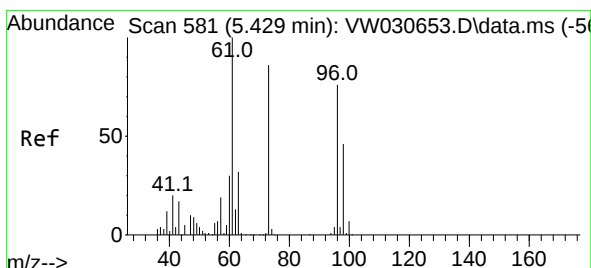
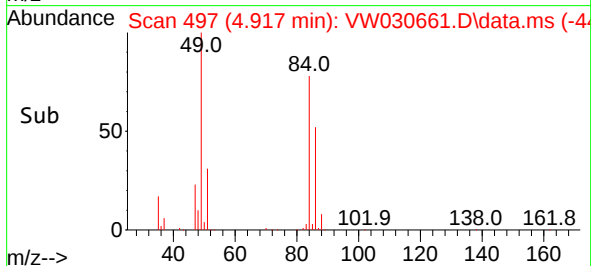
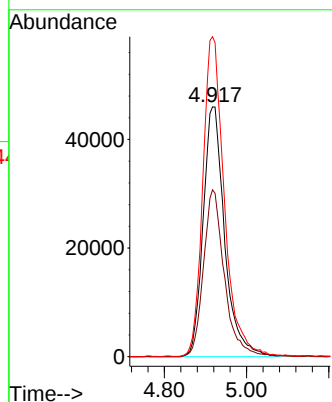


#16
Methylene chloride
Concen: 44.218 ug/L
RT: 4.917 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Instrument :
MSVOA_W
ClientSampleId :

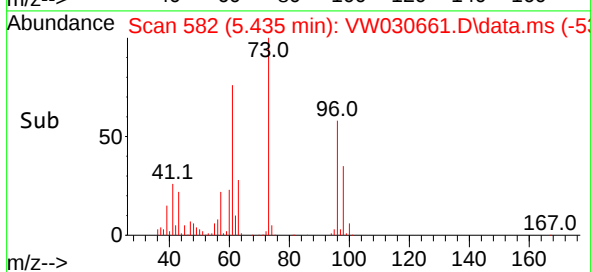
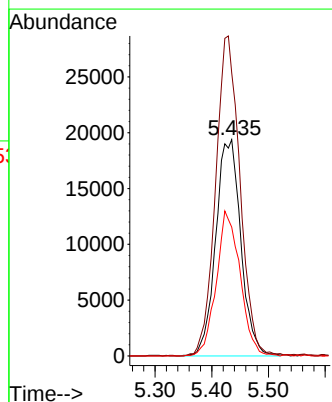
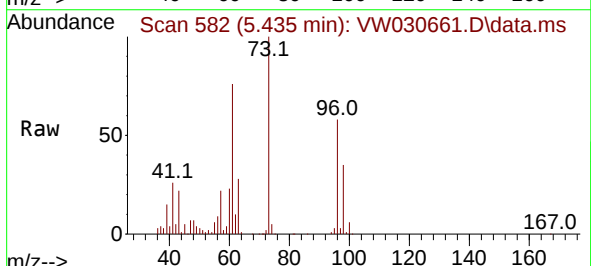


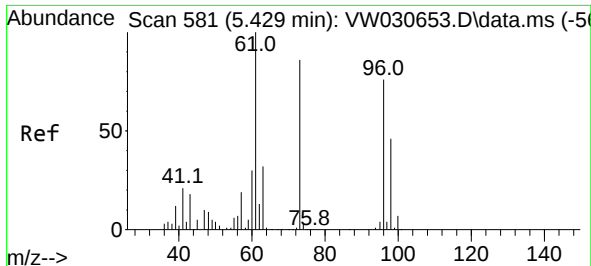
Tgt Ion: 84 Resp: 166925
Ion Ratio Lower Upper
84 100
86 66.8 43.8 81.3
49 128.1 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 16.507 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

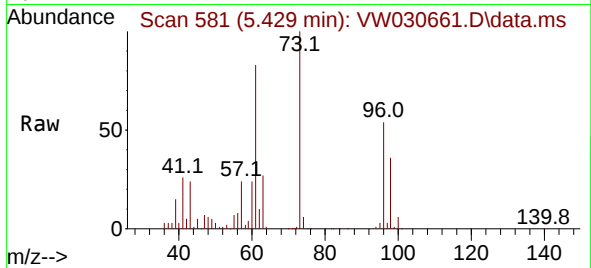
Tgt Ion: 96 Resp: 59674
Ion Ratio Lower Upper
96 100
61 130.8 96.9 179.9
98 59.5 42.2 78.4



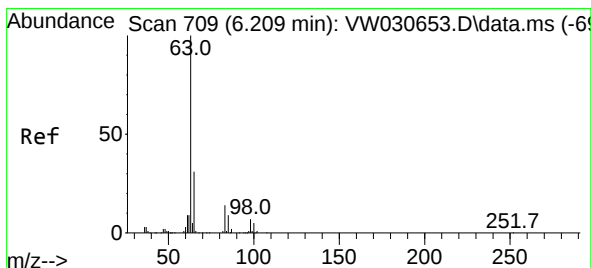
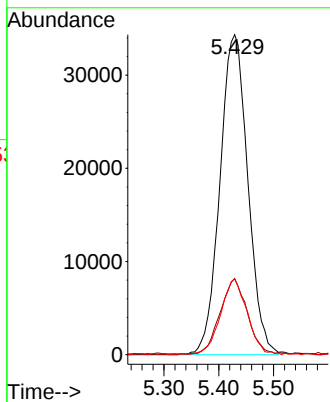
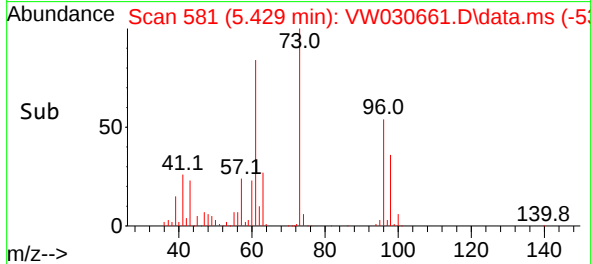


#18
Methyl tert-butyl Ether
Concen: 24.014 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Instrument :
MSVOA_W
ClientSampleId :

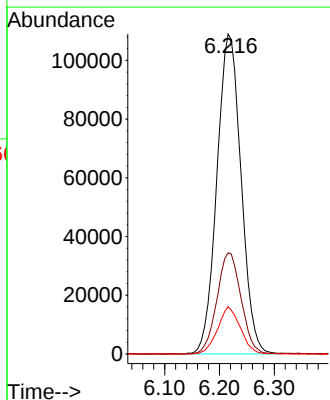
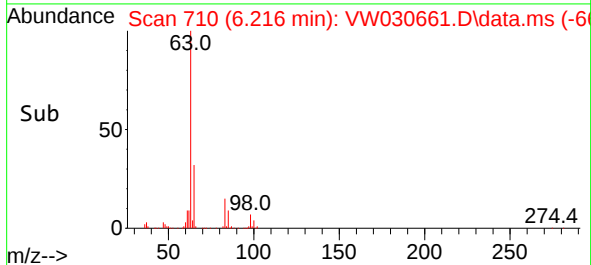
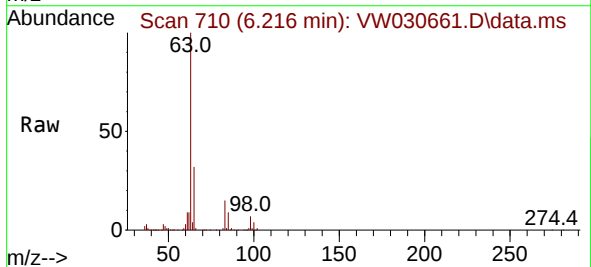


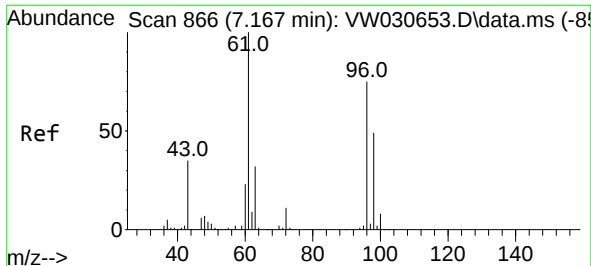
Tgt Ion:	73	Resp:	121498
Ion	Ratio	Lower	Upper
73	100		
43	22.8	18.1	27.1
57	22.4	17.7	26.5



#19
1,1-Dichloroethane
Concen: 49.700 ug/L
RT: 6.216 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion:	63	Resp:	333930
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.5	41.9
83	14.7	9.8	18.2

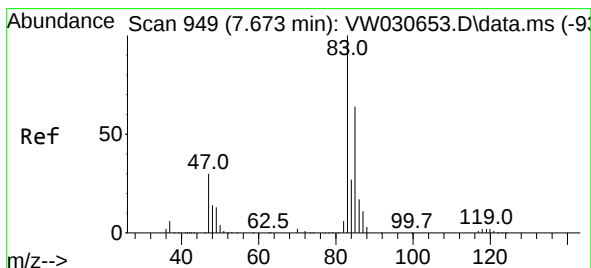
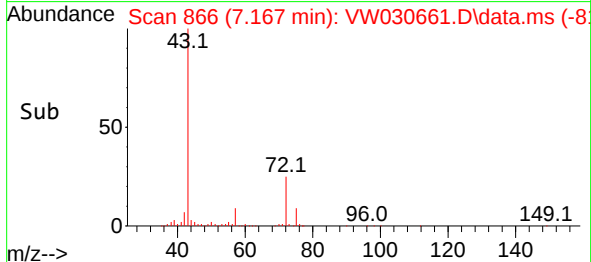
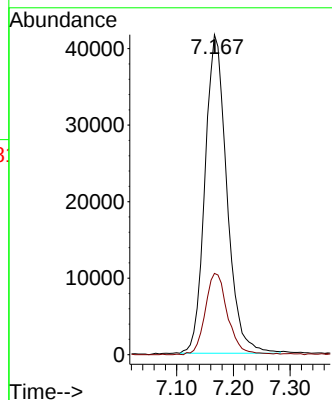
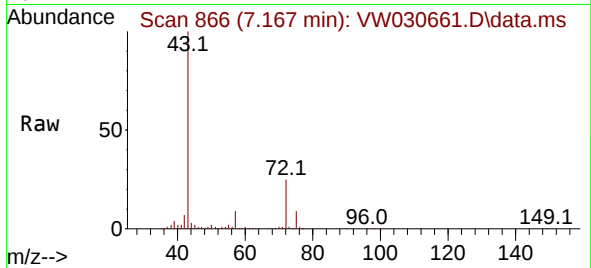




#22
2-Butanone
Concen: 100.255 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

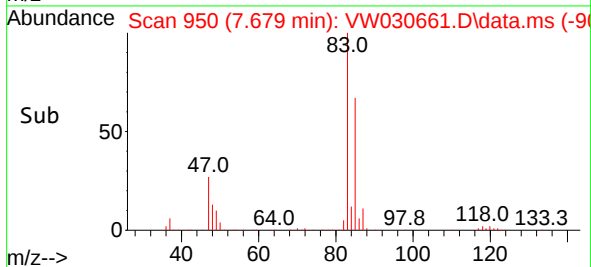
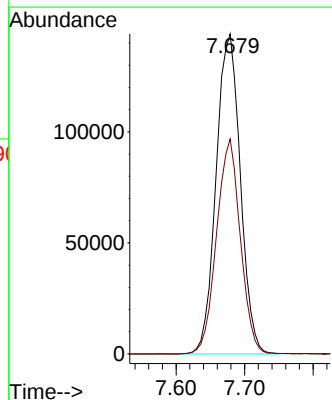
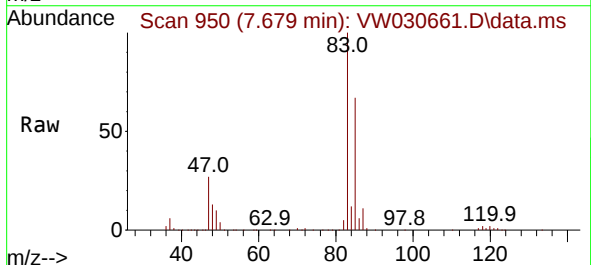
Instrument :
MSVOA_W
ClientSampleId :

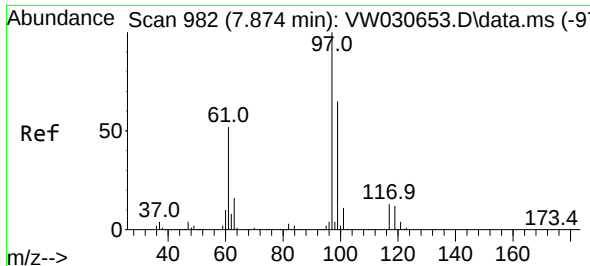
Tgt Ion: 43 Resp: 111755
Ion Ratio Lower Upper
43 100
72 26.1 14.4 43.0



#25
Chloroform
Concen: 49.201 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion: 83 Resp: 353271
Ion Ratio Lower Upper
83 100
85 67.2 45.1 83.7

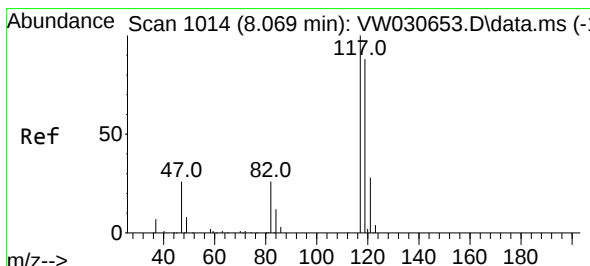
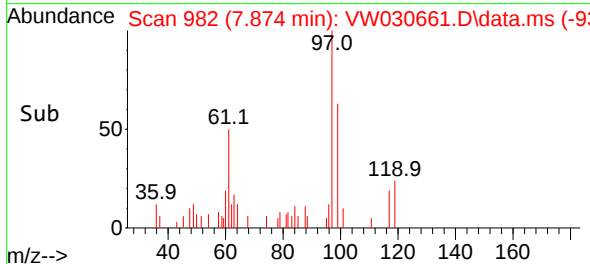
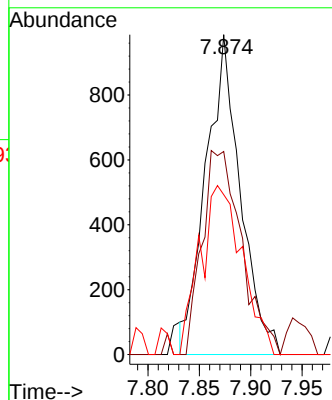
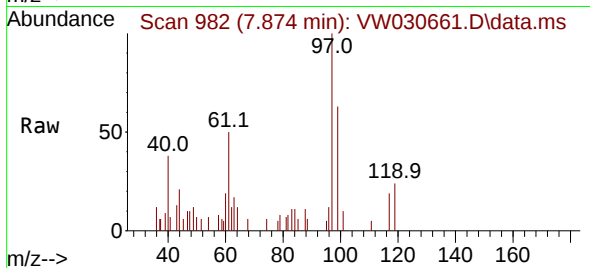




#30
1,1,1-Trichloroethane
Concen: 0.375 ug/L
RT: 7.874 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

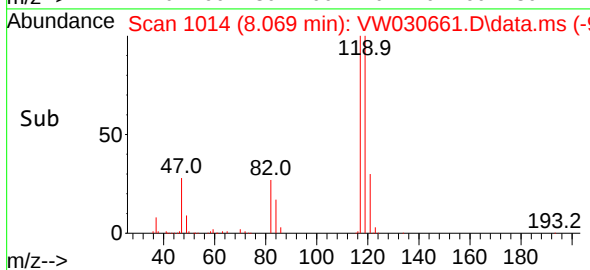
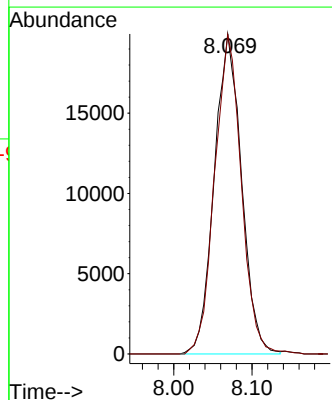
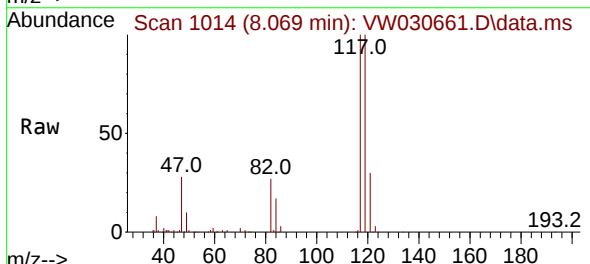
Instrument :
MSVOA_W
ClientSampleId :

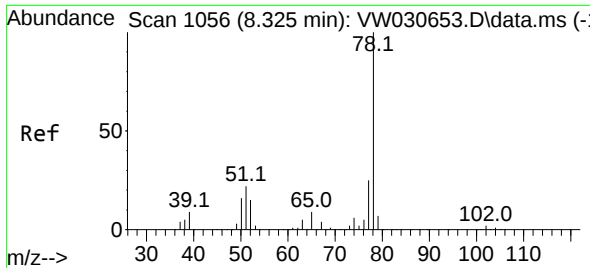
Tgt Ion: 97	Resp: 2293		
Ion Ratio	Lower	Upper	
97	100		
99	73.1	52.3	78.5
61	49.8	38.5	57.7



#31
Carbon tetrachloride
Concen: 8.825 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion:117	Resp:	48179	
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.8	116.8

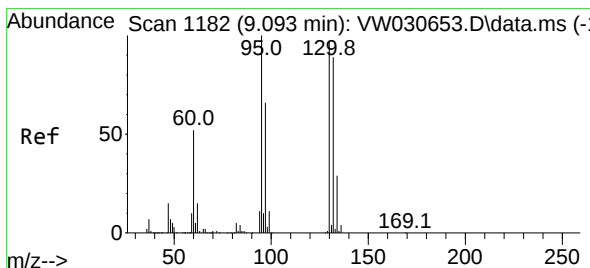
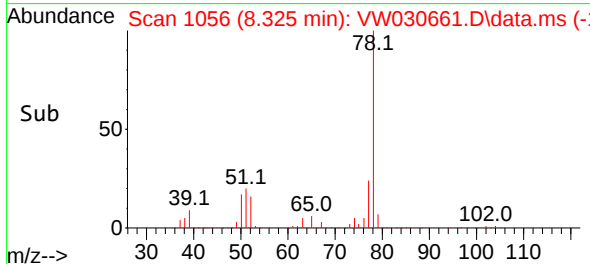
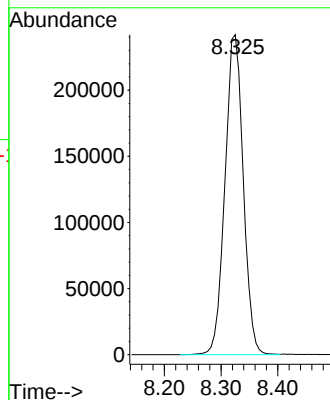
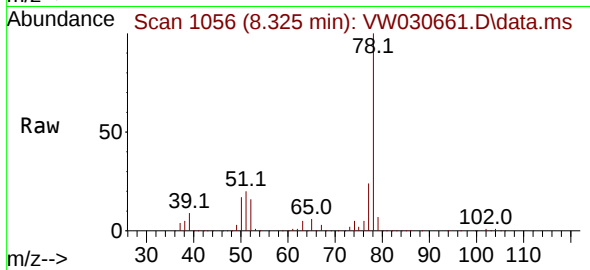




#33
Benzene
Concen: 36.155 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Instrument :
MSVOA_W
ClientSampleId :

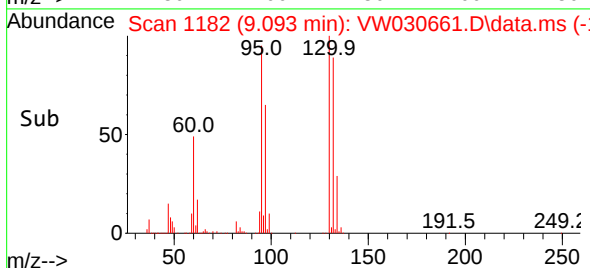
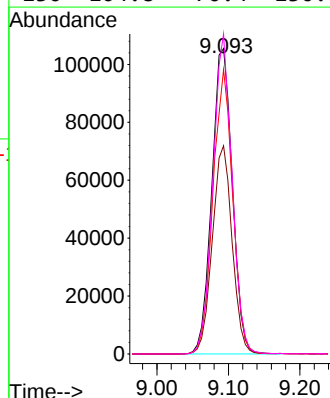
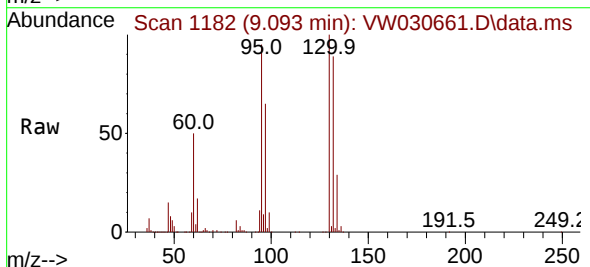
Tgt Ion: 78 Resp: 541752

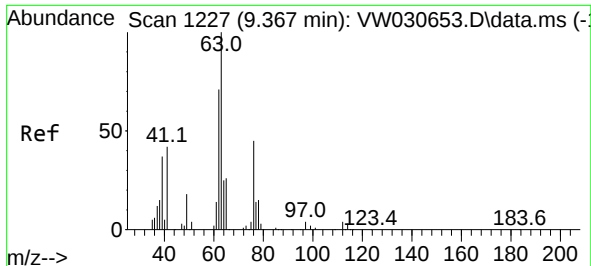


#34
Trichloroethene
Concen: 50.537 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion: 95 Resp: 210673

Ion	Ratio	Lower	Upper
95	100		
97	68.1	45.9	85.3
132	93.1	66.4	123.2
130	104.8	70.4	130.8





#37

1,2-Dichloropropane

Concen: 20.340 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

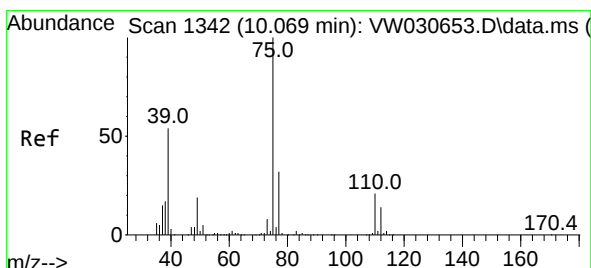
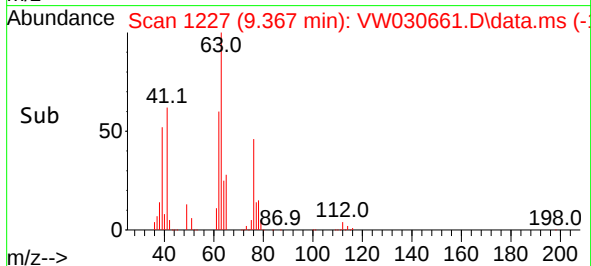
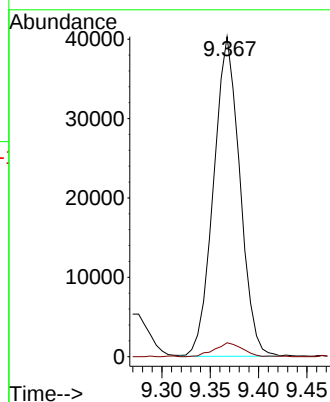
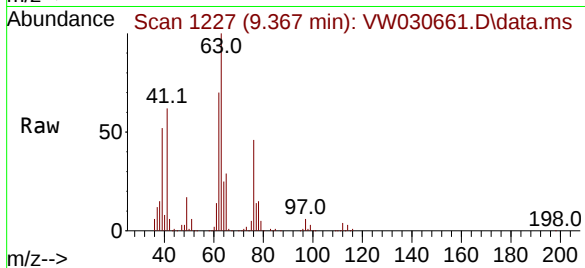
ClientSampleId :

Tgt Ion: 63 Resp: 76118

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#39

cis-1,3-Dichloropropene

Concen: 34.177 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW030661.D

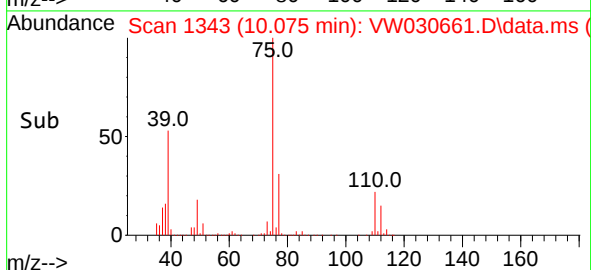
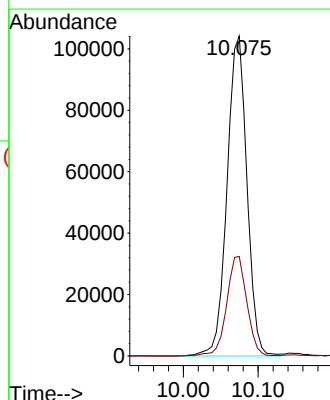
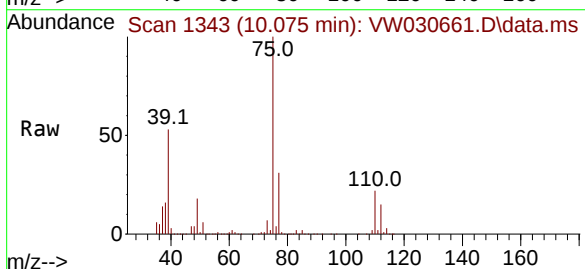
Acq: 18 Oct 2024 13:47

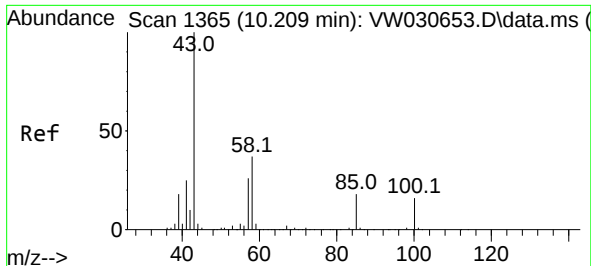
Tgt Ion: 75 Resp: 192925

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.1





#40

4-Methyl-2-pentanone

Concen: 84.540 ug/L

RT: 10.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

ClientSampleId :

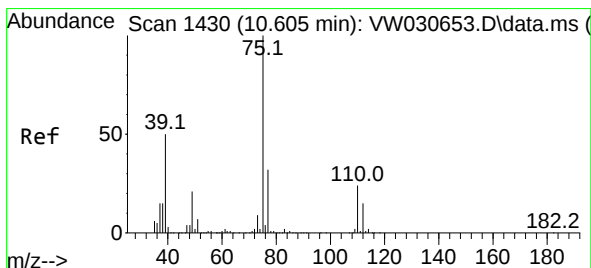
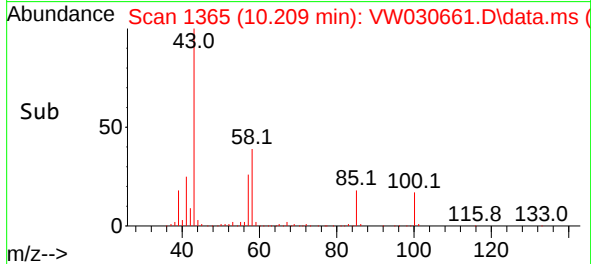
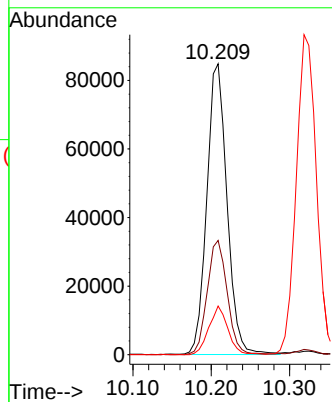
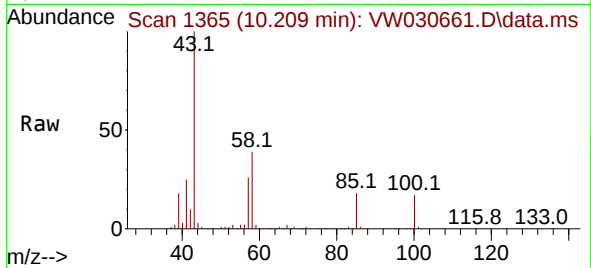
Tgt Ion: 43 Resp: 151991

Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 15.8 13.1 19.7



#44

trans-1,3-Dichloropropene

Concen: 38.671 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030661.D

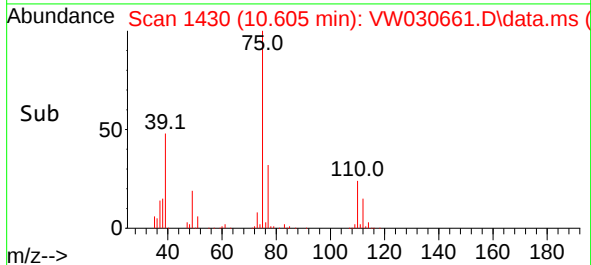
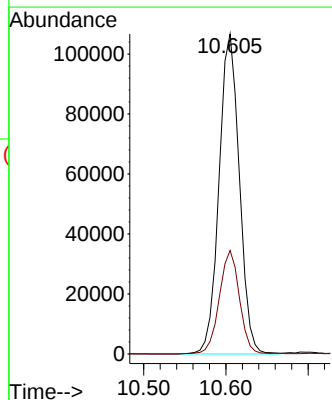
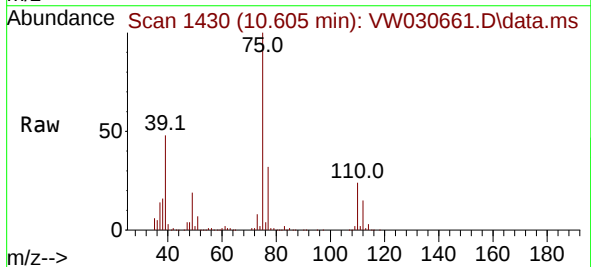
Acq: 18 Oct 2024 13:47

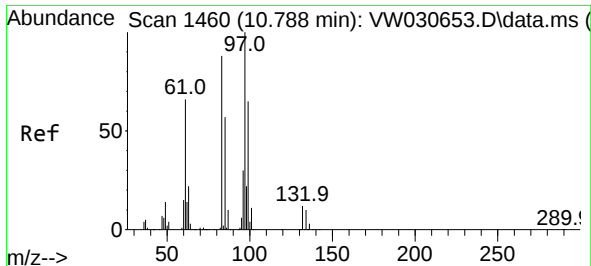
Tgt Ion: 75 Resp: 183437

Ion Ratio Lower Upper

75 100

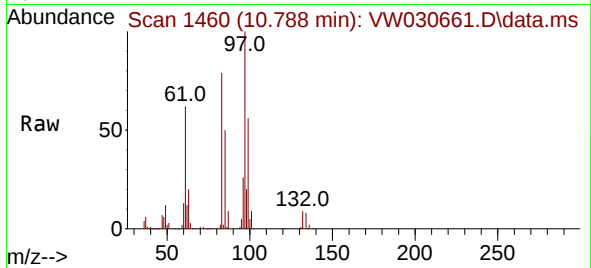
77 32.4 21.6 40.2



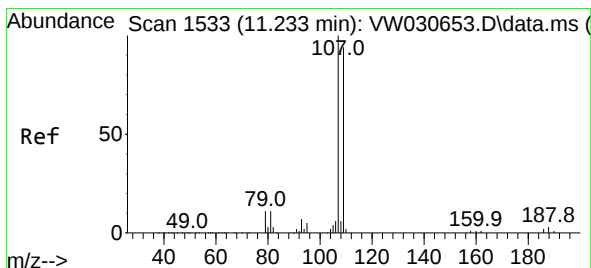
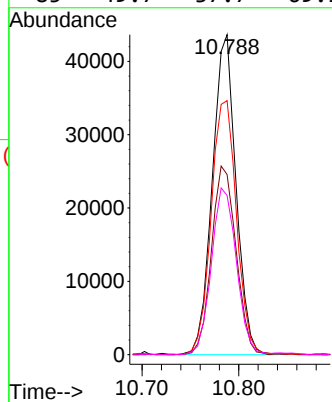
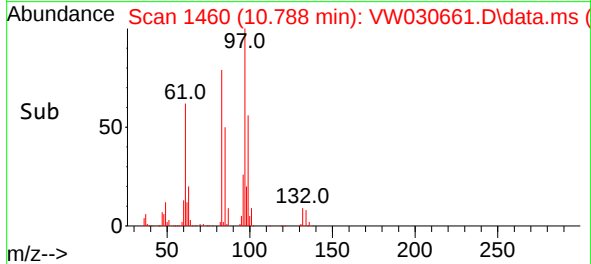


#45
1,1,2-Trichloroethane
Concen: 27.375 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

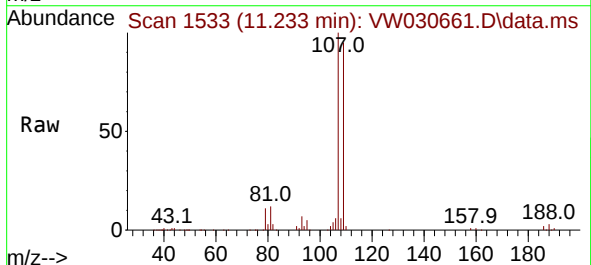
Instrument :
MSVOA_W
ClientSampleId :



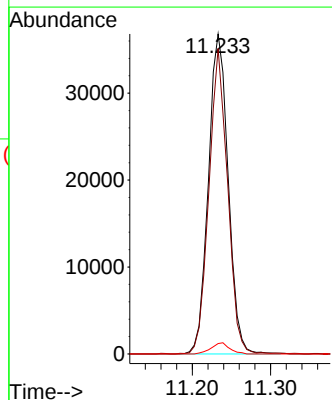
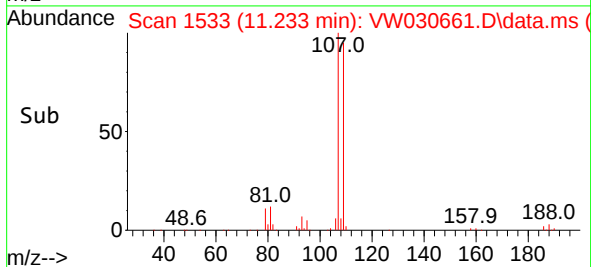
Tgt Ion: 97	Resp: 74040
Ion Ratio	Lower Upper
97 100	
99 56.3	41.2 76.6
83 79.4	59.6 110.6
85 49.7	37.7 69.9

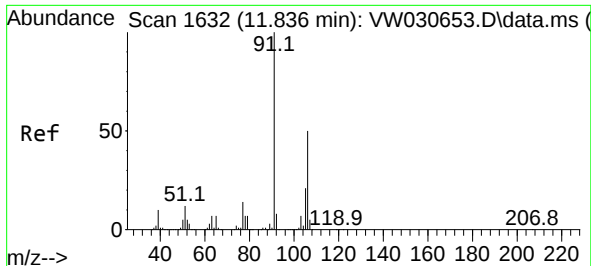


#50
1,2-Dibromoethane
Concen: 25.617 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47



Tgt Ion:107	Resp:	64651	
Ion	Ratio	Lower	Upper
107	100		
109	95.5	63.8	118.6
188	3.3	2.6	3.8

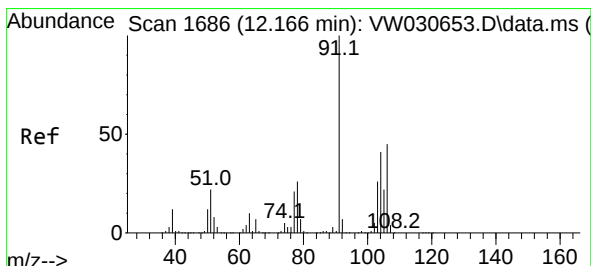
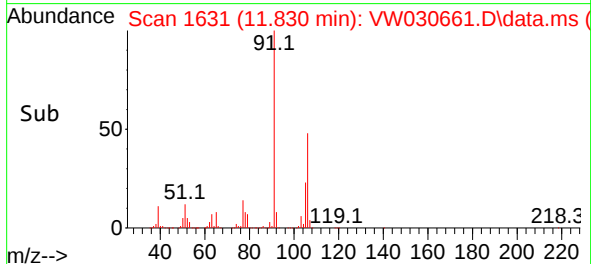
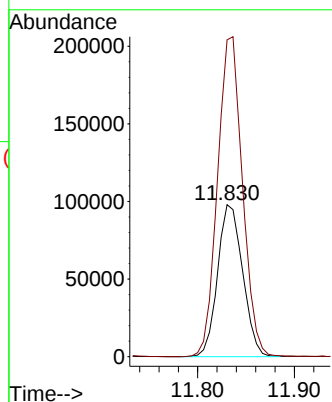
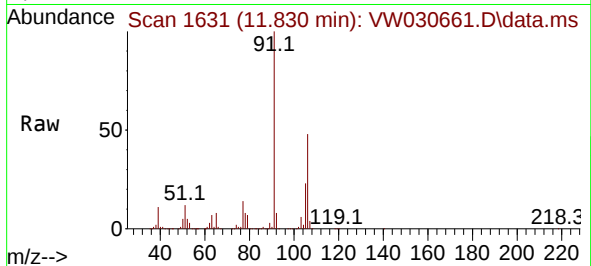




#53
m,p-Xylene
Concen: 25.736 ug/L
RT: 11.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

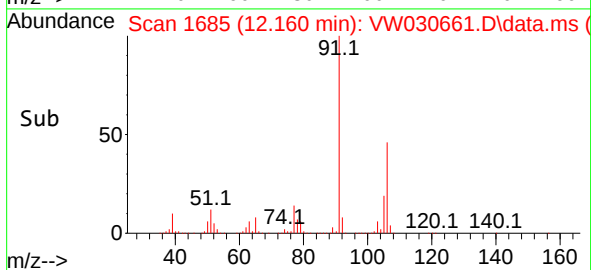
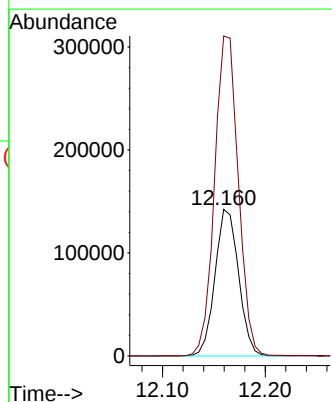
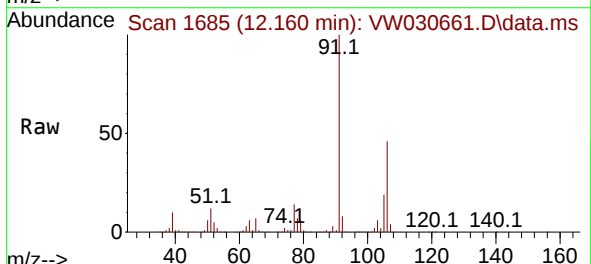
Instrument :
MSVOA_W
ClientSampleId :

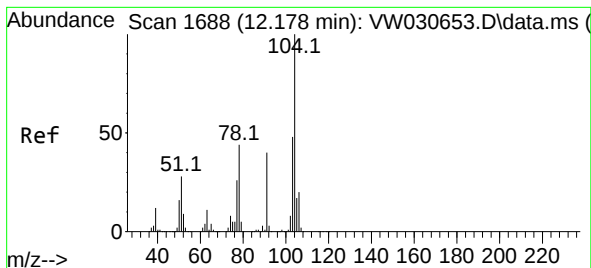
Tgt Ion:106 Resp: 175876
Ion Ratio Lower Upper
106 100
91 208.5 140.6 261.2



#54
o-Xylene
Concen: 35.855 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW030661.D
Acq: 18 Oct 2024 13:47

Tgt Ion:106 Resp: 226529
Ion Ratio Lower Upper
106 100
91 218.4 144.5 268.4





#55

Styrene

Concen: 1.169 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

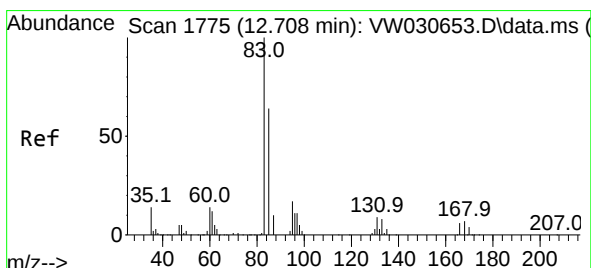
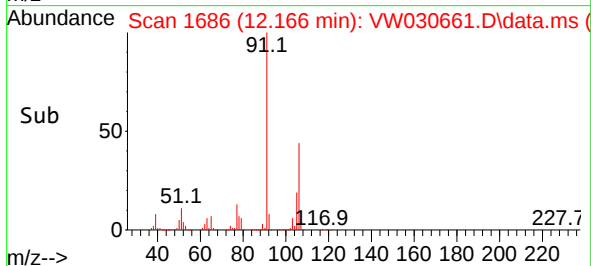
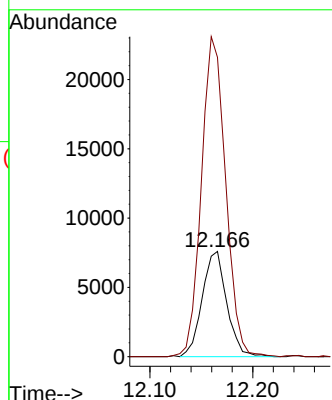
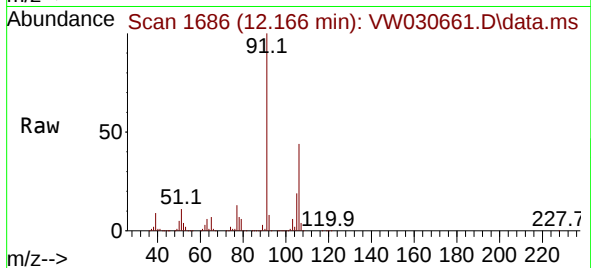
ClientSampleId :

Tgt Ion:104 Resp: 12627

Ion Ratio Lower Upper

104 100

78 284.4 34.3 63.7#



#57

1,1,2,2-Tetrachloroethane

Concen: 27.501 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

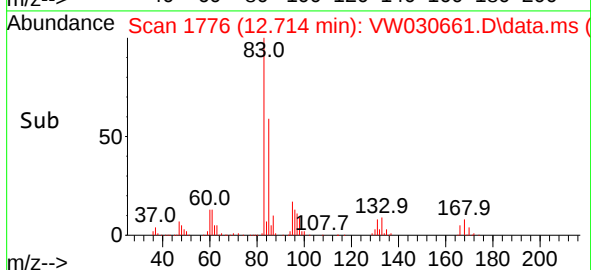
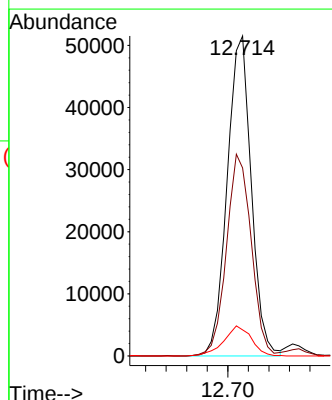
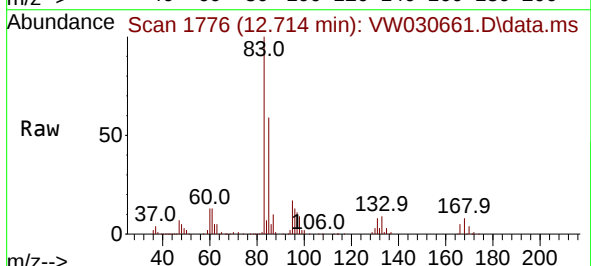
Tgt Ion: 83 Resp: 83880

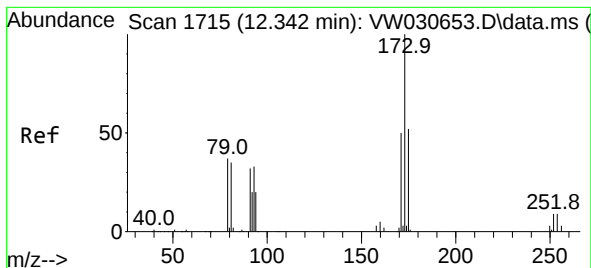
Ion Ratio Lower Upper

83 100

85 58.8 42.6 79.2

131 8.2 7.4 11.0





#59

Bromoform

Concen: 9.714 ug/L

RT: 12.349 min Scan# 1

Delta R.T. 0.006 min

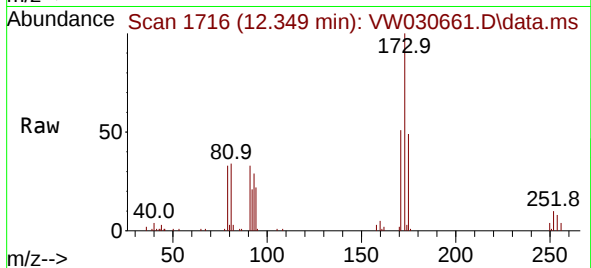
Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

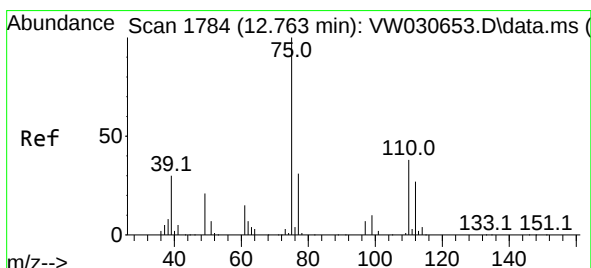
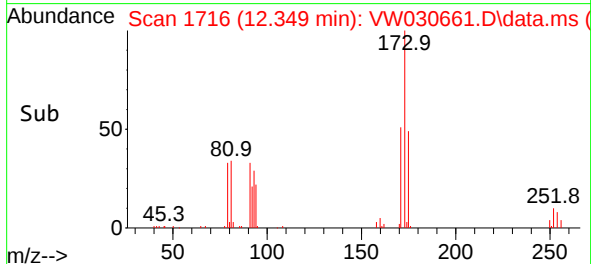
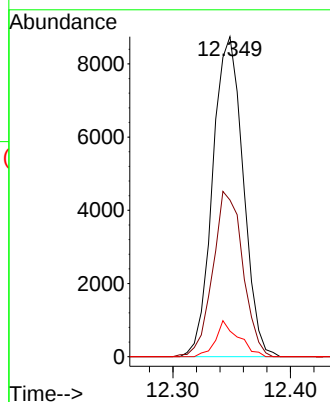
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	173	Resp:	15734
Ion Ratio	Lower	Upper	
173	100		
175	50.8	39.0	58.4
254	8.5	7.7	11.5



#61

1,2,3-Trichloropropane

Concen: 41.383 ug/L

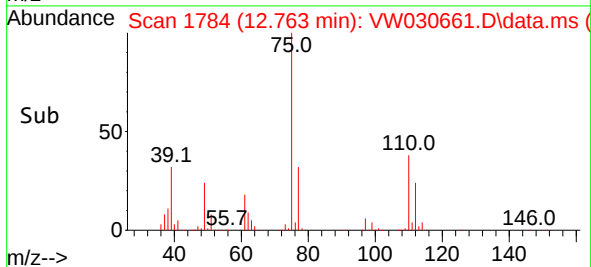
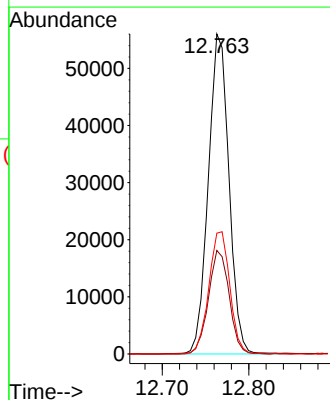
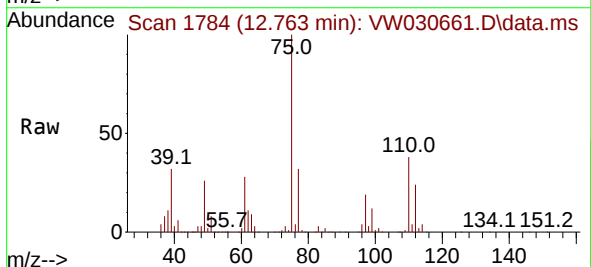
RT: 12.763 min Scan# 1784

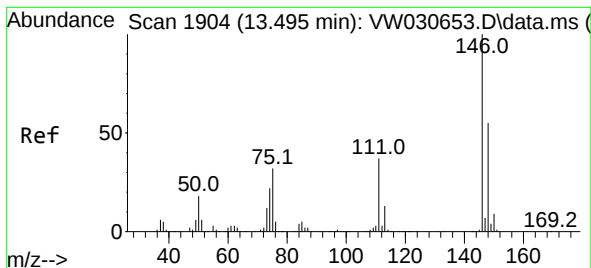
Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Tgt Ion:	75	Resp:	92840
Ion Ratio	Lower	Upper	
75	100		
77	32.5	25.7	38.5
110	38.9	32.3	48.5





#64

1,3-Dichlorobenzene

Concen: 20.159 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

ClientSampleId :

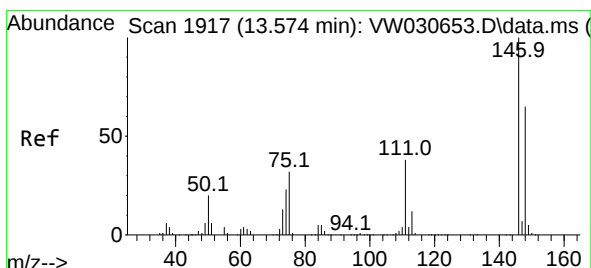
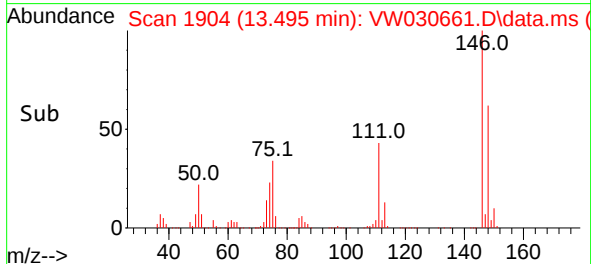
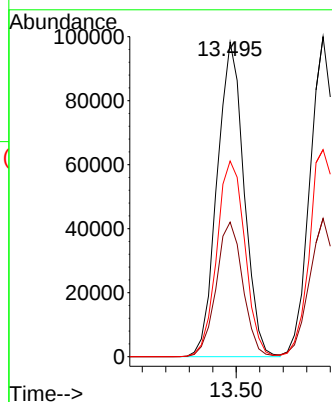
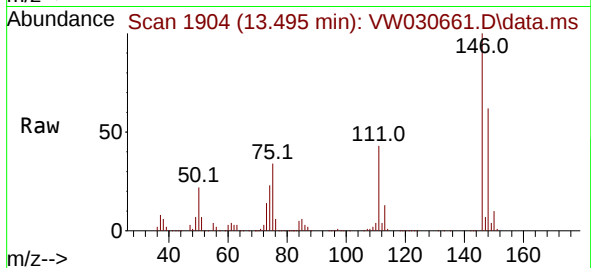
Tgt Ion:146 Resp: 156661

Ion Ratio Lower Upper

146 100

111 42.8 31.2 58.0

148 62.2 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 19.468 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

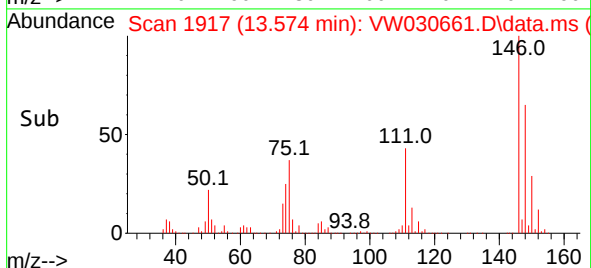
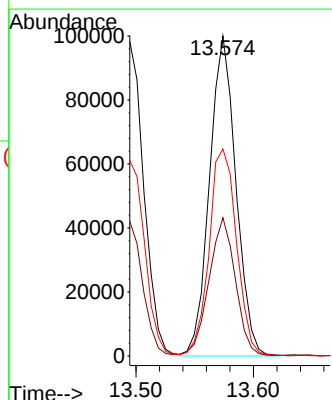
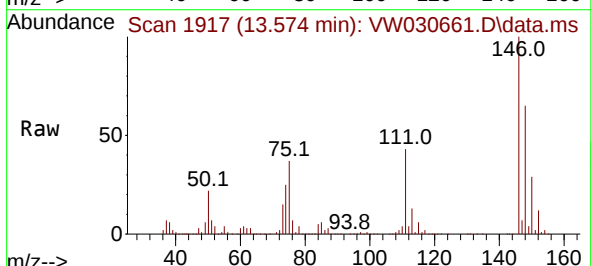
Tgt Ion:146 Resp: 156216

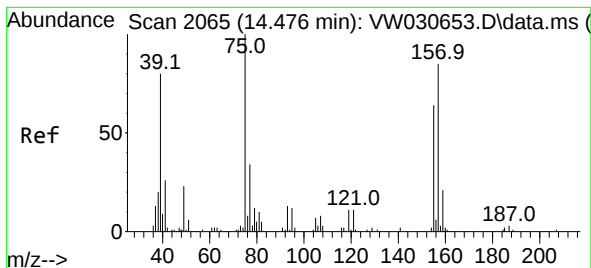
Ion Ratio Lower Upper

146 100

111 43.2 26.8 49.8

148 64.7 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 12.063 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW030661.D

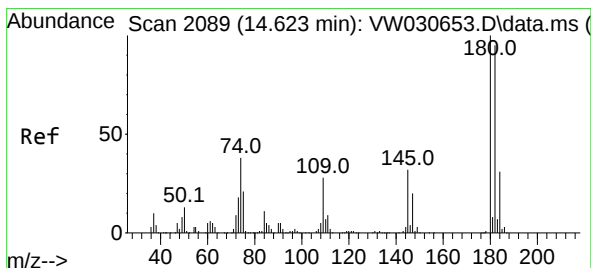
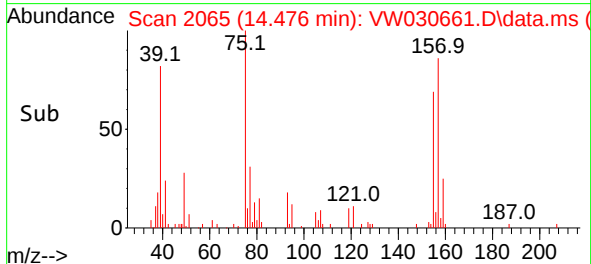
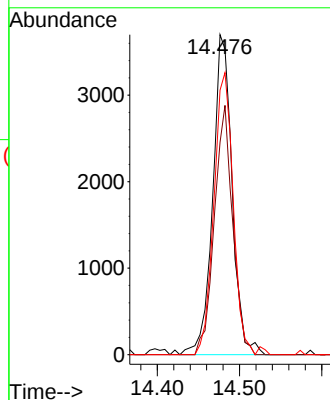
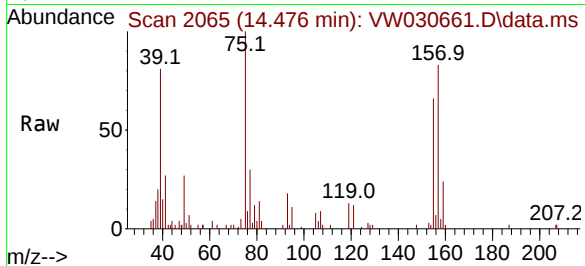
Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	6034
Ion Ratio	Lower	Upper	
75	100		
155	66.3	57.9	86.9
157	82.7	69.0	103.6



#69

1,3,5-Trichlorobenzene

Concen: 8.363 ug/L

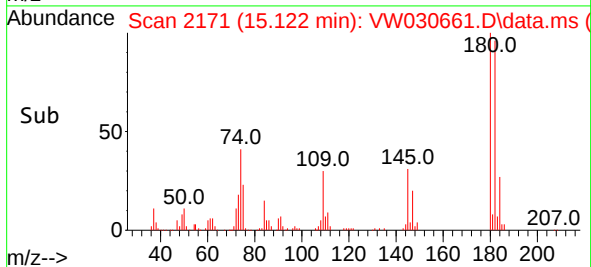
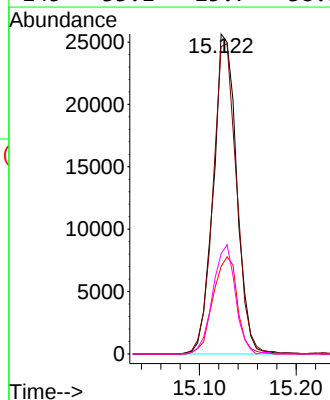
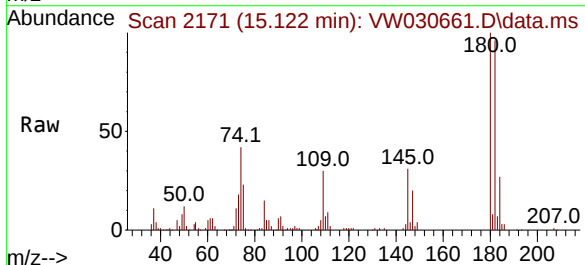
RT: 15.122 min Scan# 2171

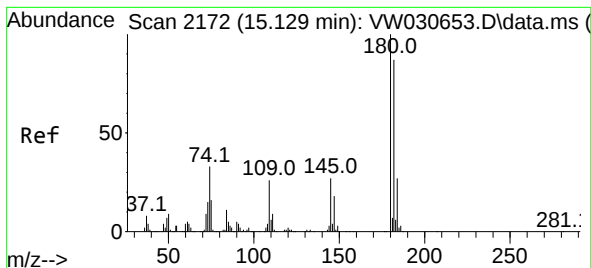
Delta R.T. 0.500 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Tgt Ion:	180	Resp:	42857
Ion Ratio	Lower	Upper	
180	100		
182	98.2	79.9	119.9
184	31.7	25.2	37.8
145	33.1	25.7	38.5





#70

1,2,4-trichlorobenzene

Concen: 10.388 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Instrument :

MSVOA_W

ClientSampleId :

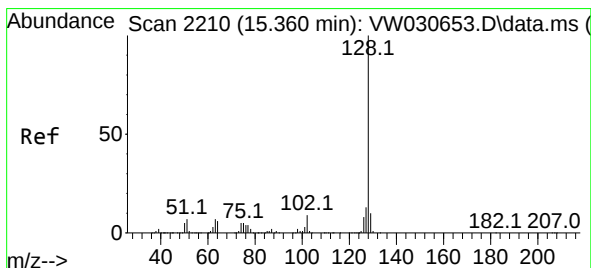
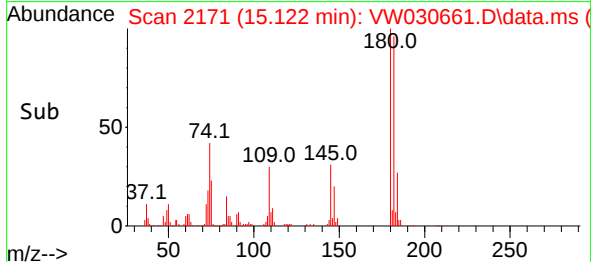
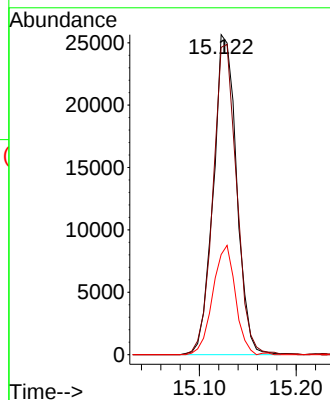
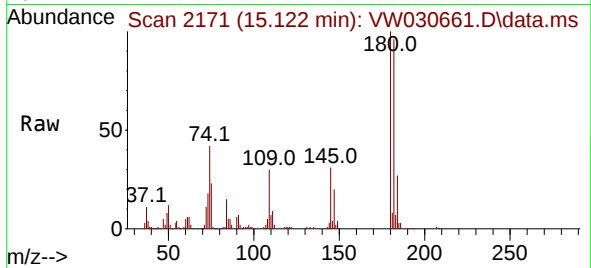
Tgt Ion:180 Resp: 42857

Ion Ratio Lower Upper

180 100

182 98.2 75.2 112.8

145 33.1 25.4 38.2



#71

Naphthalene

Concen: 39.638 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW030661.D

Acq: 18 Oct 2024 13:47

Tgt Ion:128 Resp: 282523

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

129 11.4 8.8 13.2

