

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101724\
 Data File : VW030632.D
 Acq On : 17 Oct 2024 12:31
 Operator : 0
 Sample : P4414-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 18 01:40:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 18 01:38:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	261086	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	245551	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	117568	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	68808	16.767	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.080%
7) Chloroethane-d5	2.899	69	59216	19.062	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.240%
11) 1,1-Dichloroethene-d2	4.021	65	28111	16.469	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.880%
21) 2-Butanone-d5	7.075	46	35082	47.502	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.000%
24) Chloroform-d	7.648	84	163516	21.900	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	8.301	65	82518	21.253	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	8.270	84	267894	18.797	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	9.270	67	84811	20.275	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.120%
41) Toluene-d8	10.319	98	254817	19.586	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.360%
43) trans-1,3-Dichloroprop...	10.575	79	33745	19.265	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.080%
47) 2-Hexanone-d5	10.922	63	25501	47.332	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.660%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	72252	23.520	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.080%
66) 1,2-Dichlorobenzene-d4	13.855	152	81990	20.611	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.440%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	73843	21.081	ug/L	94
13) Acetone	4.112	43	30726	28.417	ug/L	99
16) Methylene chloride	4.917	84	168573	42.708	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	61240	16.202	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	112179	21.206	ug/L	99
19) 1,1-Dichloroethane	6.216	63	334880	47.669	ug/L	98
22) 2-Butanone	7.167	43	112946	96.907	ug/L	94
25) Chloroform	7.679	83	362490	48.285	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	2361	0.362	ug/L	87
31) Carbon tetrachloride	8.069	117	47783	8.207	ug/L	99
33) Benzene	8.325	78	547862	34.286	ug/L	100
34) Trichloroethene	9.093	95	216491	48.698	ug/L	97
37) 1,2-Dichloropropane	9.368	63	77743	19.480	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	194901	32.377	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	151907	79.231	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	186773	36.922	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	73199	25.378	ug/L	98
50) 1,2-Dibromoethane	11.233	107	64073	23.807	ug/L	99
53) m,p-Xylene	11.831	106	181343	24.884	ug/L	92

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Quant Title : SFAM01.0
QLast Update : Fri Oct 18 01:38:16 2024
Response via : Initial Calibration

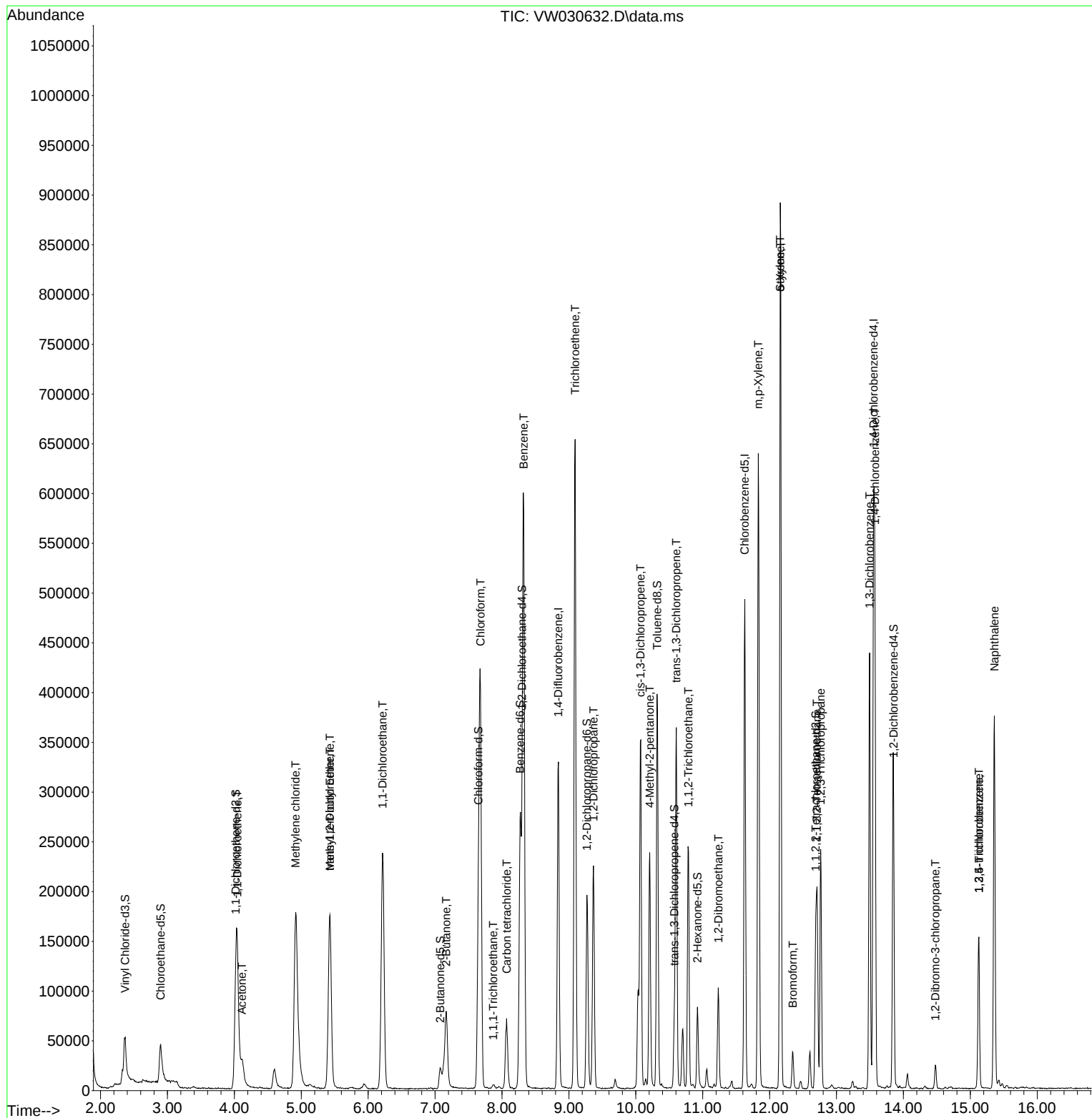
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.160	106	221607	32.892	ug/L	91
55) Styrene	12.160	104	12947	1.124	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	85816	26.383	ug/L	95
59) Bromoform	12.349	173	15116	9.151	ug/L	96
61) 1,2,3-Trichloropropane	12.763	75	93837	41.017	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	159569	20.135	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	166537	20.352	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	5682	11.139	ug/L	88
69) 1,3,5-Trichlorobenzene	15.129	180	46787	8.953	ug/L	92
70) 1,2,4-trichlorobenzene	15.129	180	46787	11.121	ug/L	96
71) Naphthalene	15.360	128	298009	41.000	ug/L	99

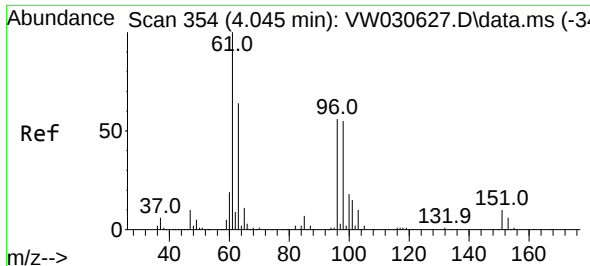
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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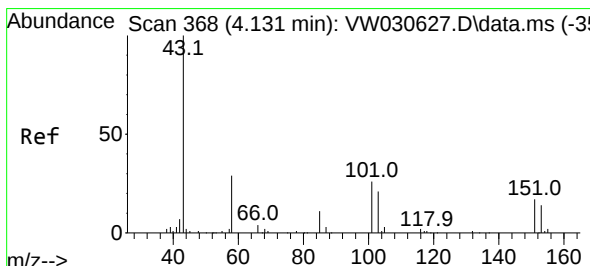
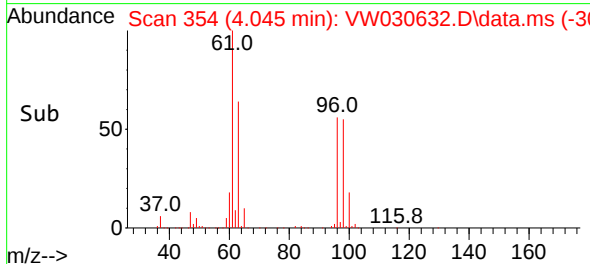
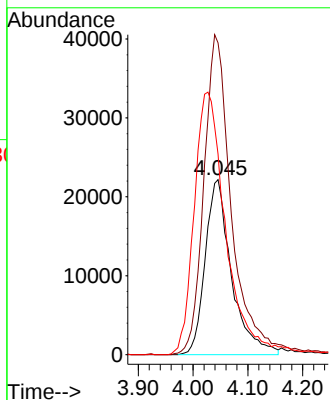
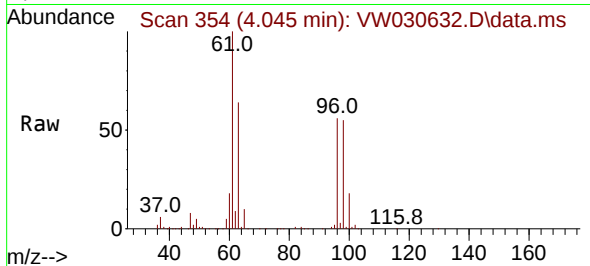


#12
 1,1-Dichloroethene
 Concen: 21.081 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW030632.D
 Acq: 17 Oct 2024 12:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 96 Resp: 73843

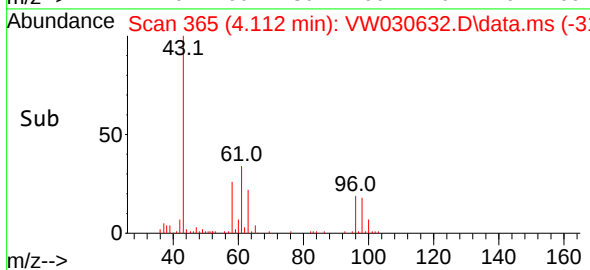
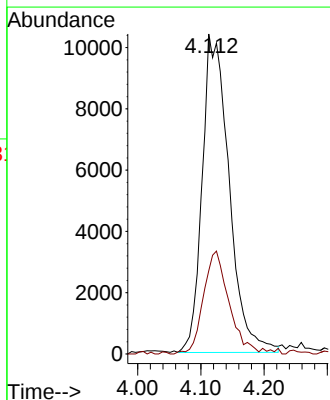
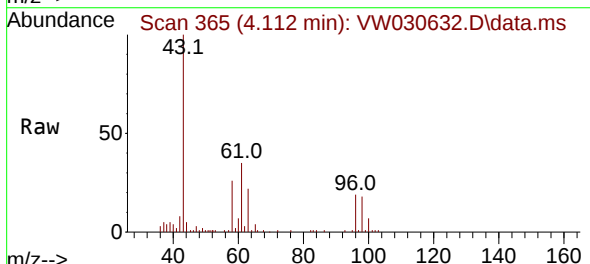
Ion	Ratio	Lower	Upper
96	100		
61	178.1	121.3	225.3
63	114.6	87.6	162.8

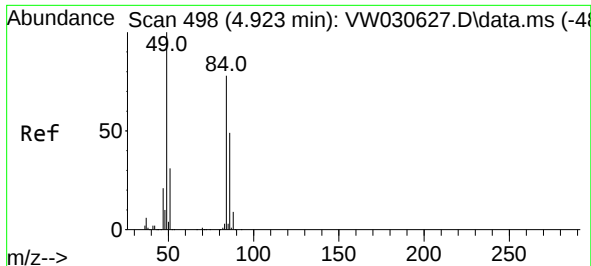


#13
 Acetone
 Concen: 28.417 ug/L
 RT: 4.112 min Scan# 365
 Delta R.T. -0.018 min
 Lab File: VW030632.D
 Acq: 17 Oct 2024 12:31

Tgt Ion: 43 Resp: 30726

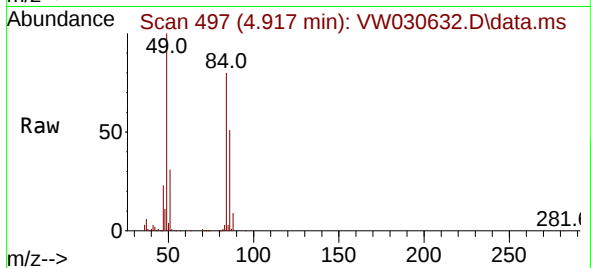
Ion	Ratio	Lower	Upper
43	100		
58	29.2	0.0	57.6





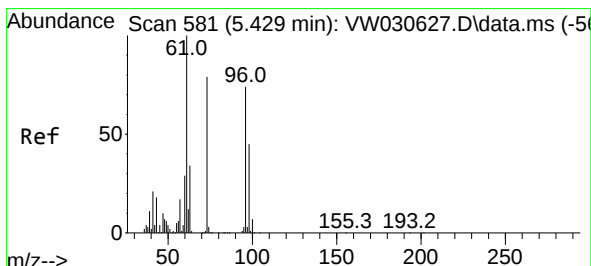
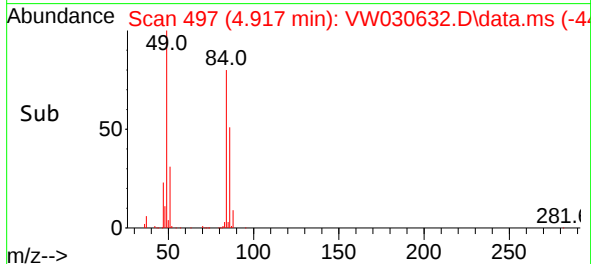
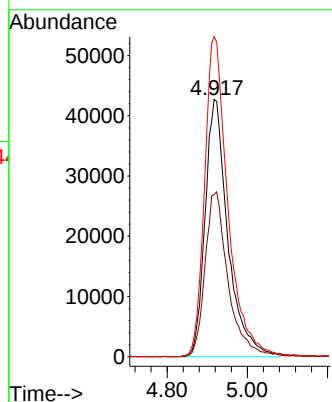
#16
Methylene chloride
Concen: 42.708 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 168573

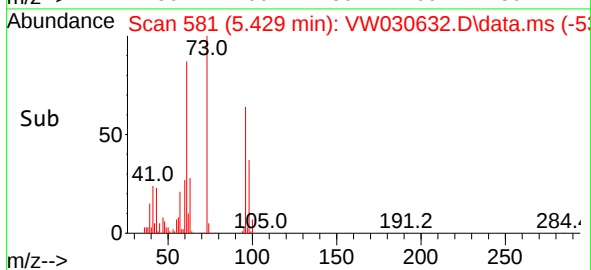
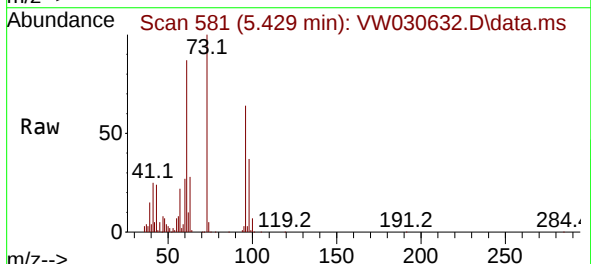
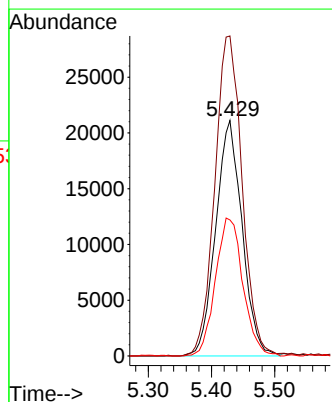
Ion	Ratio	Lower	Upper
84	100		
86	63.1	43.8	81.3
49	124.4	88.3	164.1

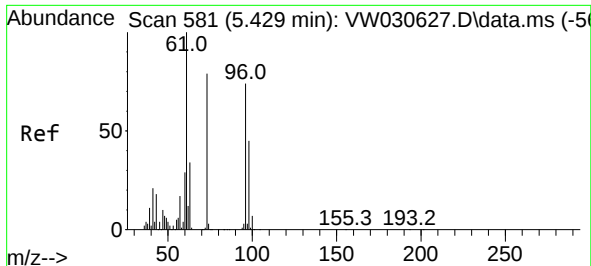


#17
trans-1,2-Dichloroethene
Concen: 16.202 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

Tgt Ion: 96 Resp: 61240

Ion	Ratio	Lower	Upper
96	100		
61	135.9	96.9	179.9
98	57.8	42.2	78.4

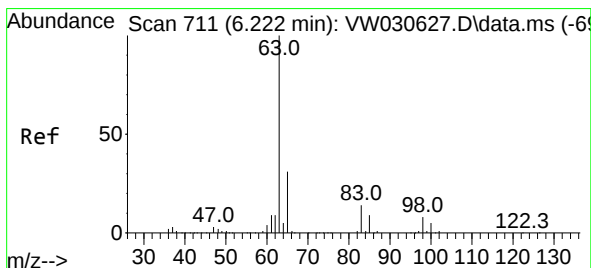
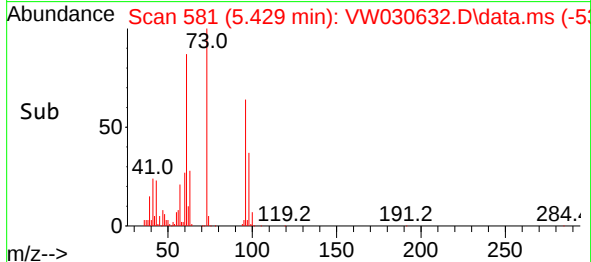
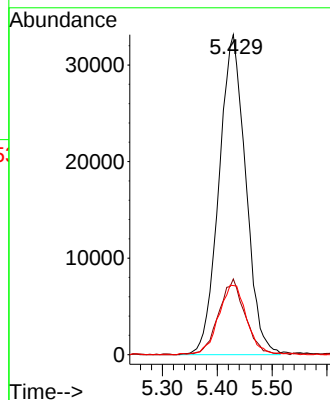
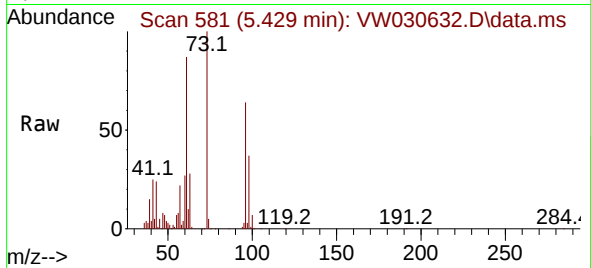




#18
Methyl tert-butyl Ether
Concen: 21.206 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

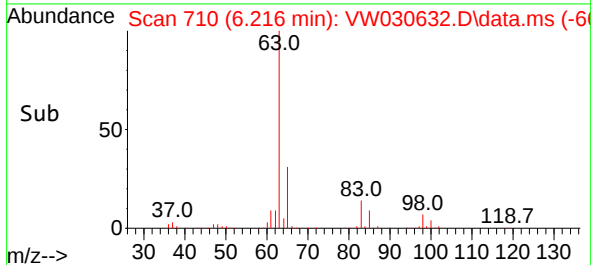
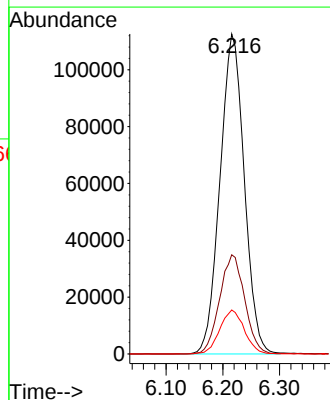
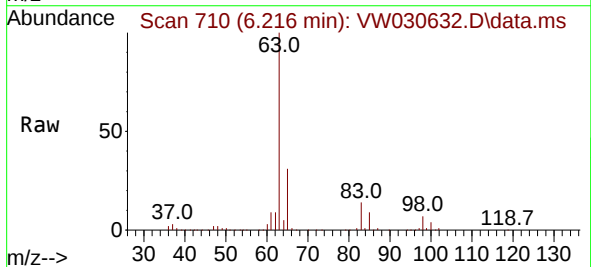
Instrument :
MSVOA_W
ClientSampleId :

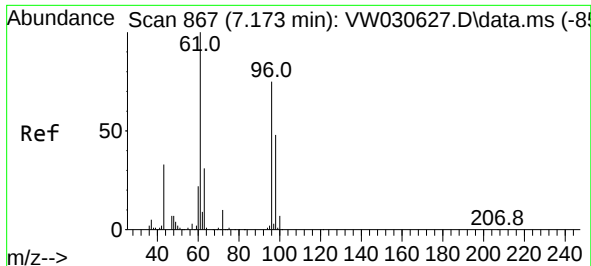
Tgt Ion: 73 Resp: 112179
Ion Ratio Lower Upper
73 100
43 22.8 18.1 27.1
57 22.9 17.7 26.5



#19
1,1-Dichloroethane
Concen: 47.669 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.006 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

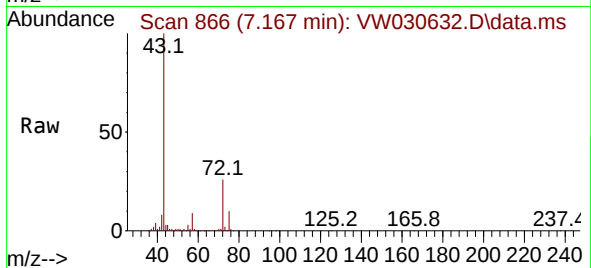
Tgt Ion: 63 Resp: 334880
Ion Ratio Lower Upper
63 100
65 31.0 22.5 41.9
83 13.8 9.8 18.2



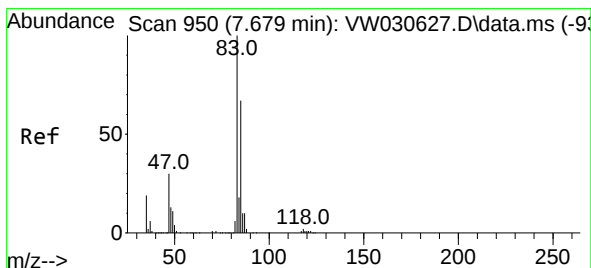
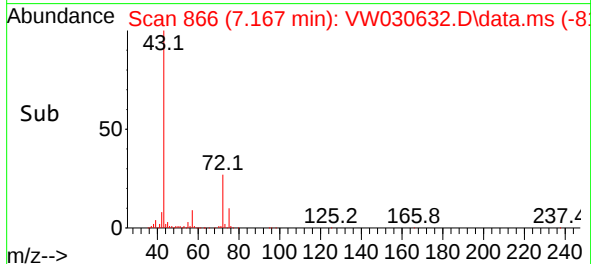
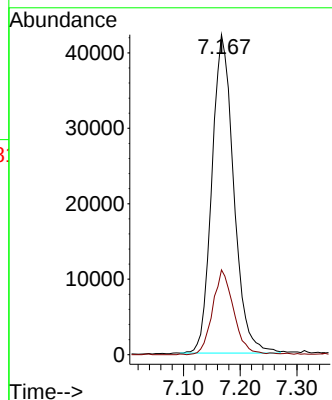


#22
2-Butanone
Concen: 96.907 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

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ClientSampleId :

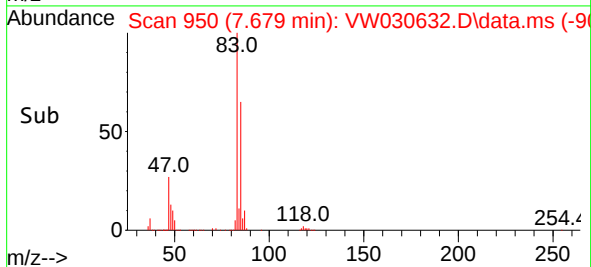
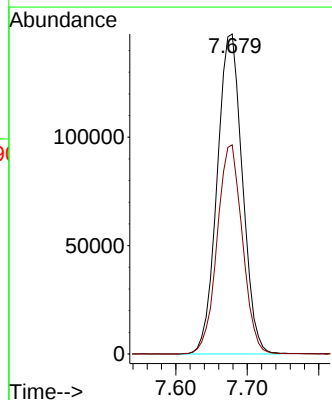
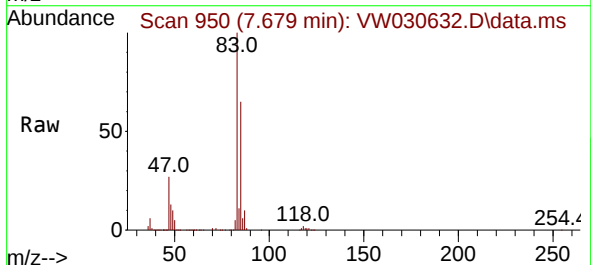


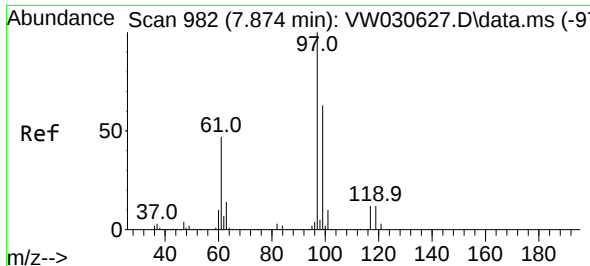
Tgt Ion: 43 Resp: 112946
Ion Ratio Lower Upper
43 100
72 25.6 14.4 43.0



#25
Chloroform
Concen: 48.285 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

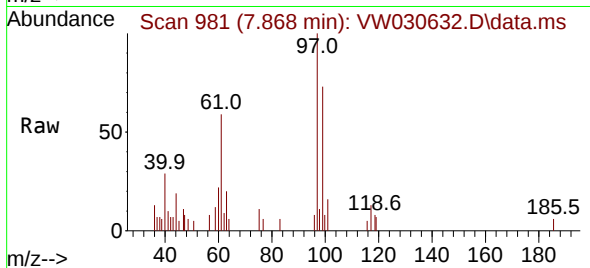
Tgt Ion: 83 Resp: 362490
Ion Ratio Lower Upper
83 100
85 65.4 45.1 83.7



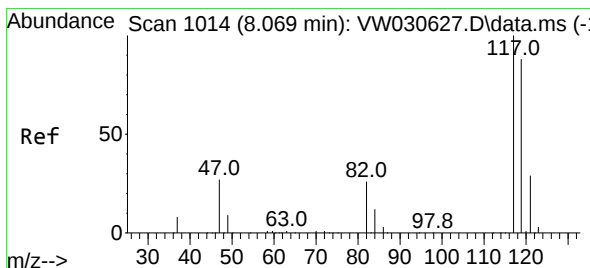
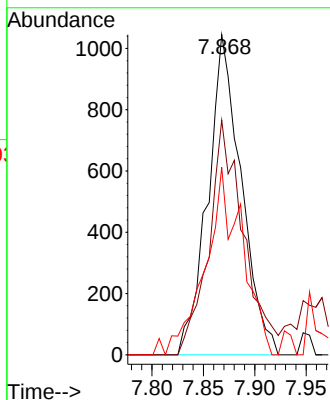
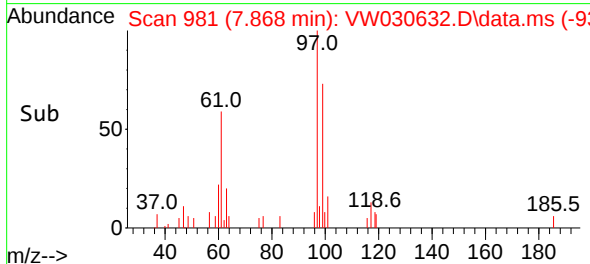


#30
 1,1,1-Trichloroethane
 Concen: 0.362 ug/L
 RT: 7.868 min Scan# 981
 Delta R.T. -0.006 min
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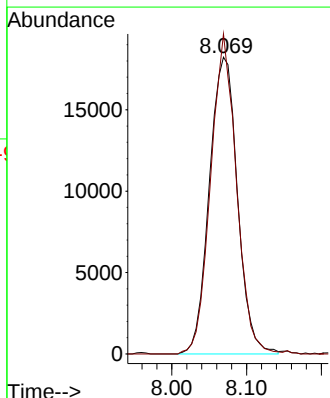
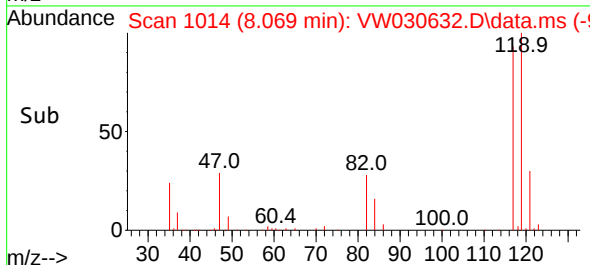
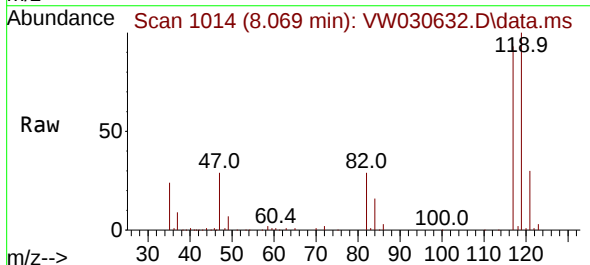


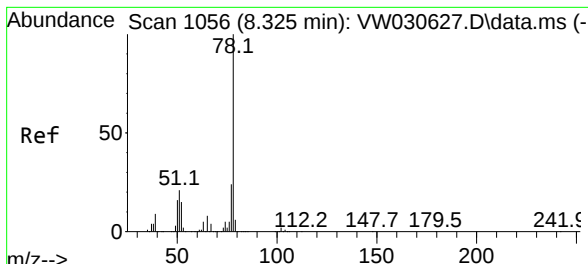
Tgt Ion: 97	Resp: 2361
Ion Ratio	Lower Upper
97 100	
99 75.9	52.3 78.5
61 39.6	38.5 57.7



#31
 Carbon tetrachloride
 Concen: 8.207 ug/L
 RT: 8.069 min Scan# 1014
 Delta R.T. 0.000 min
 Lab File: VW030632.D
 Acq: 17 Oct 2024 12:31

Tgt Ion:117	Resp:	47783	
Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.8	116.8

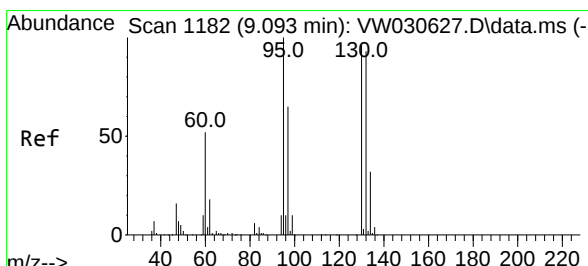
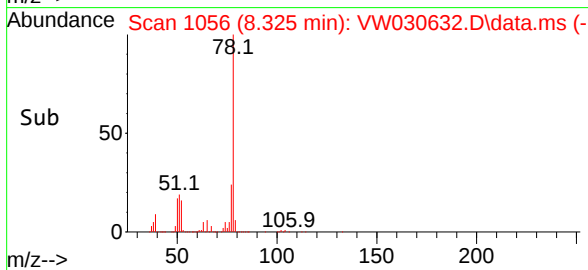
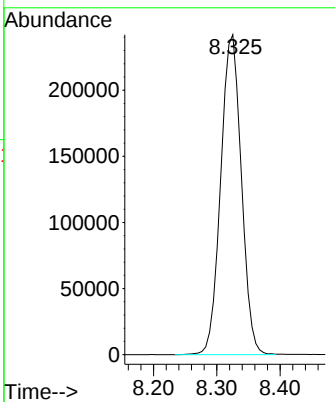
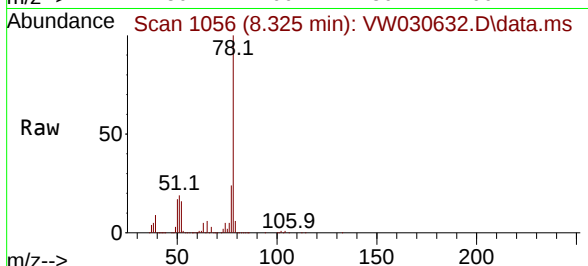




#33
Benzene
Concen: 34.286 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
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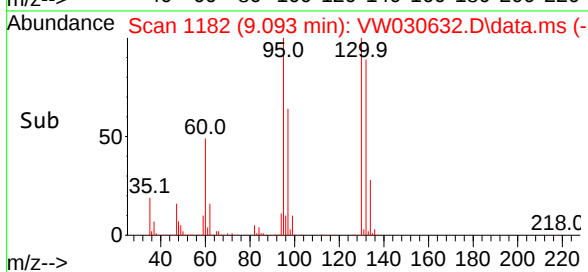
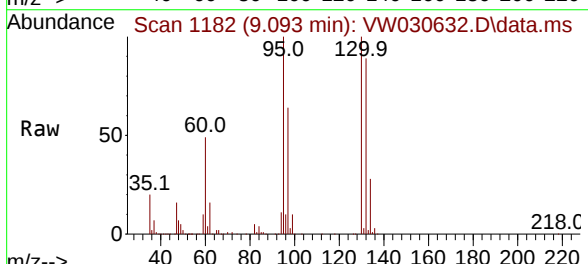
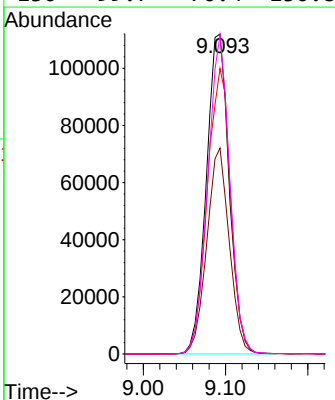
Tgt Ion: 78 Resp: 547862

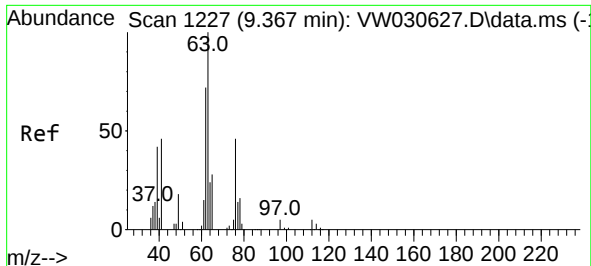


#34
Trichloroethene
Concen: 48.698 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

Tgt Ion: 95 Resp: 216491

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.9	85.3
132	89.2	66.4	123.2
130	99.7	70.4	130.8





#37

1,2-Dichloropropane

Concen: 19.480 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Instrument :

MSVOA_W

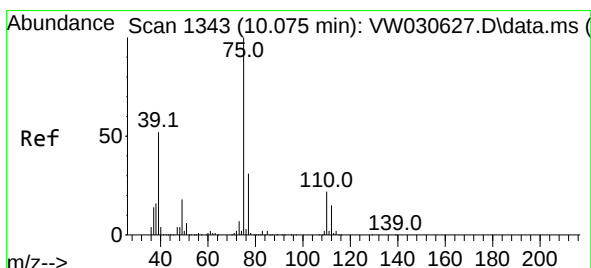
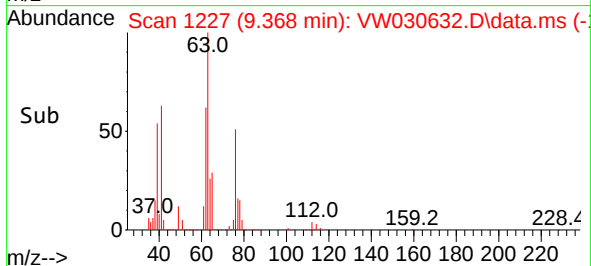
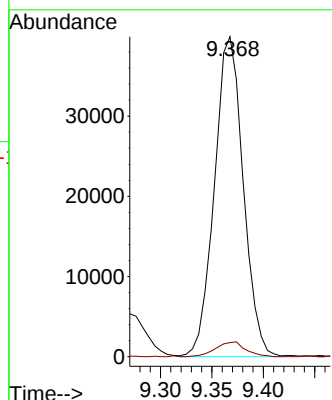
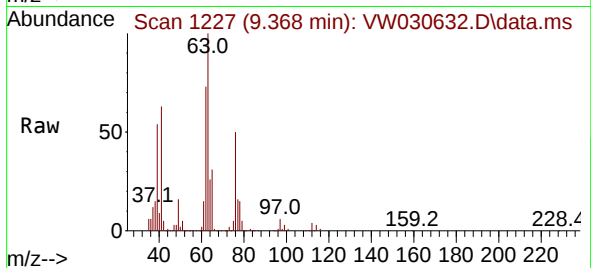
ClientSampleId :

Tgt Ion: 63 Resp: 77743

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#39

cis-1,3-Dichloropropene

Concen: 32.377 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW030632.D

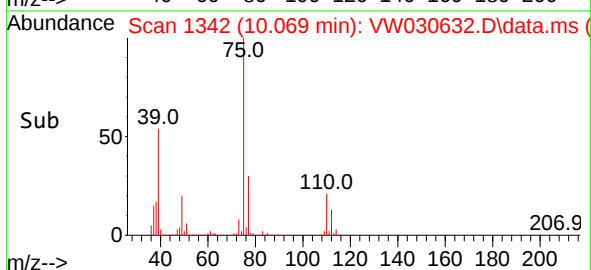
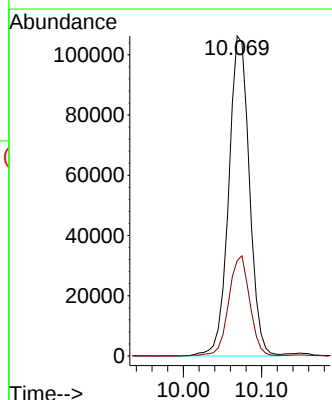
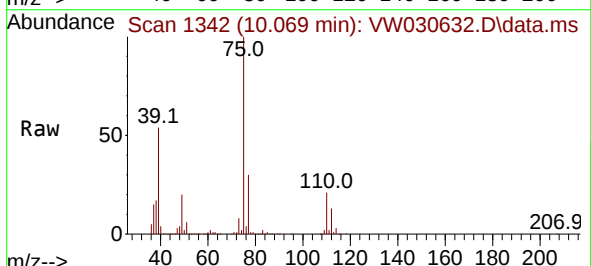
Acq: 17 Oct 2024 12:31

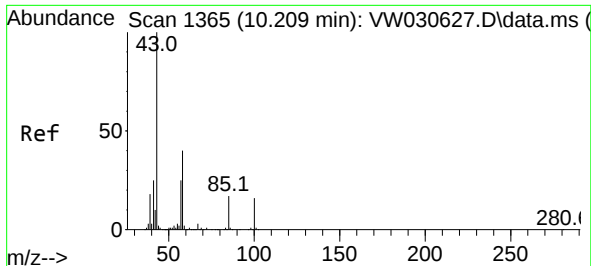
Tgt Ion: 75 Resp: 194901

Ion Ratio Lower Upper

75 100

77 29.8 21.1 39.1

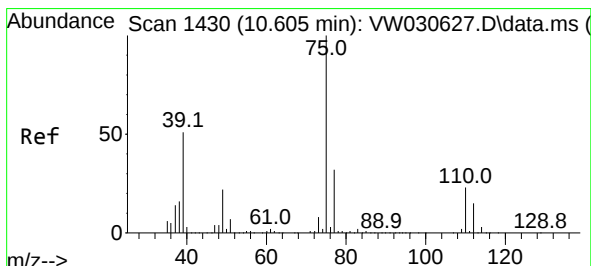
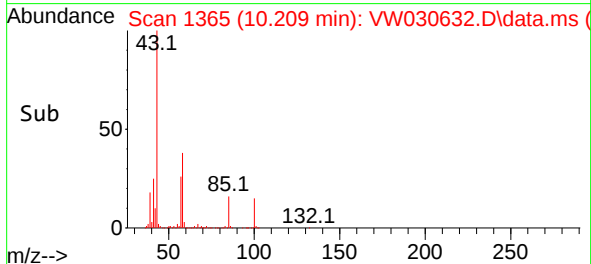
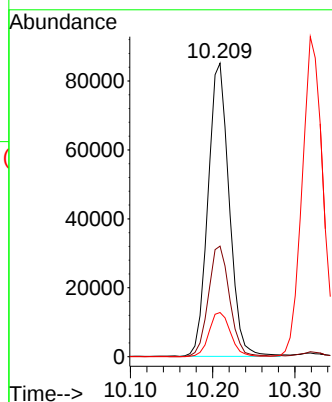
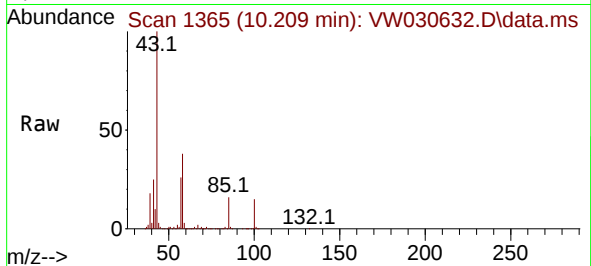




#40
4-Methyl-2-pentanone
Concen: 79.231 ug/L
RT: 10.209 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

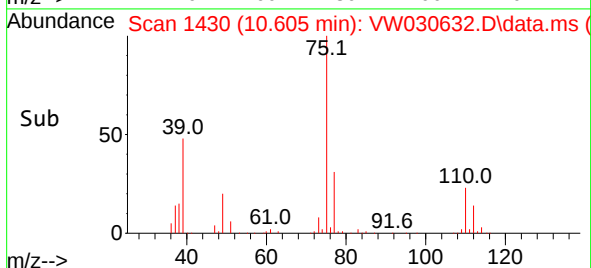
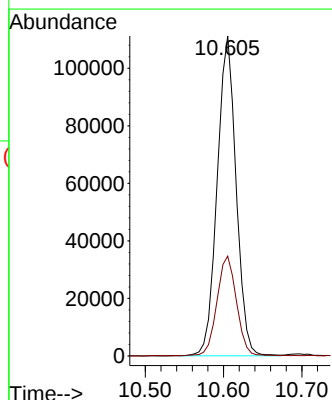
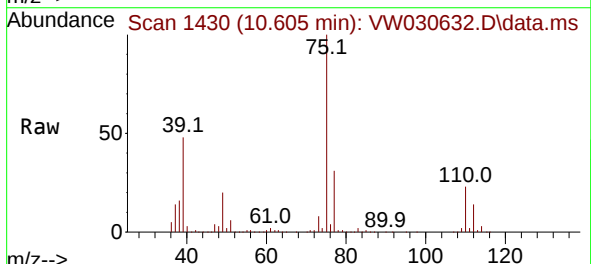
Instrument :
MSVOA_W
ClientSampleId :

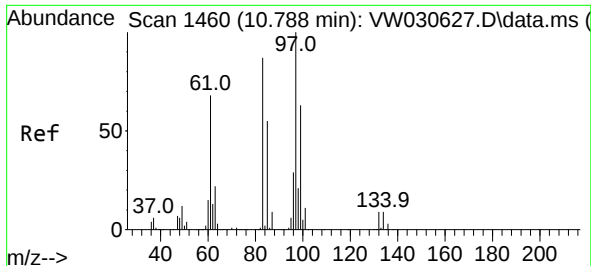
Tgt Ion: 43 Resp: 151907
Ion Ratio Lower Upper
43 100
58 38.1 31.4 47.2
100 15.4 13.1 19.7



#44
trans-1,3-Dichloropropene
Concen: 36.922 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

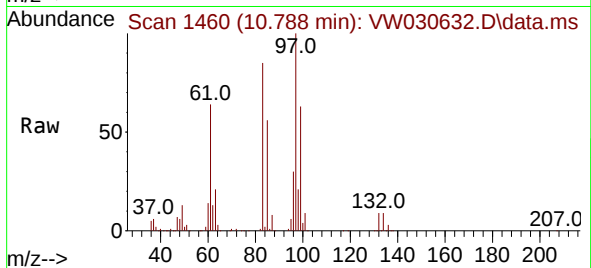
Tgt Ion: 75 Resp: 186773
Ion Ratio Lower Upper
75 100
77 31.2 21.6 40.2



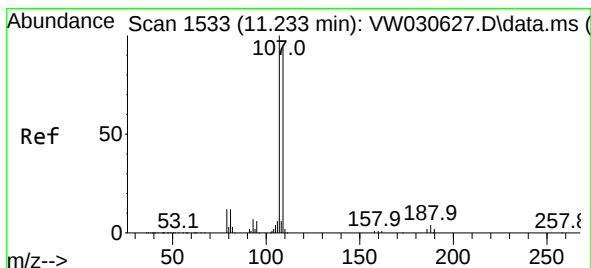
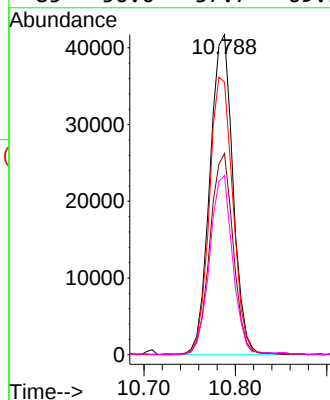
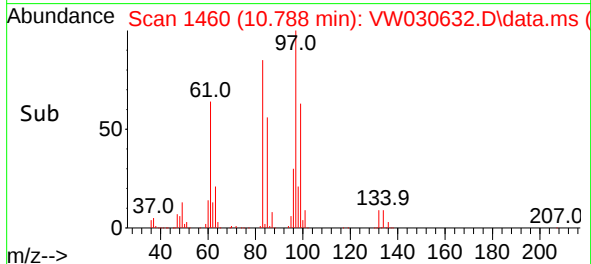


#45
1,1,2-Trichloroethane
Concen: 25.378 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

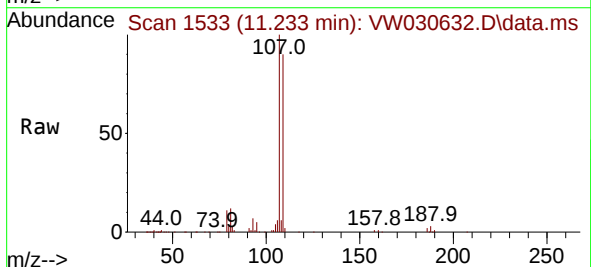
Instrument :
MSVOA_W
ClientSampleId :



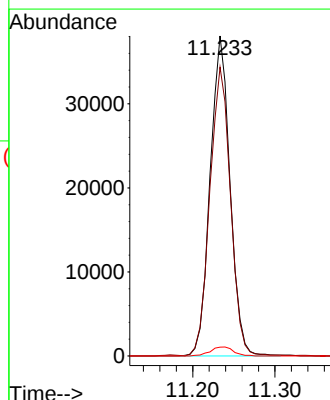
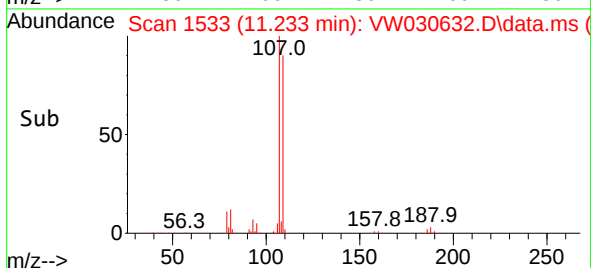
Tgt Ion:	97	Resp:	73199
Ion	Ratio	Lower	Upper
97	100		
99	62.9	41.2	76.6
83	85.1	59.6	110.6
85	56.0	37.7	69.9

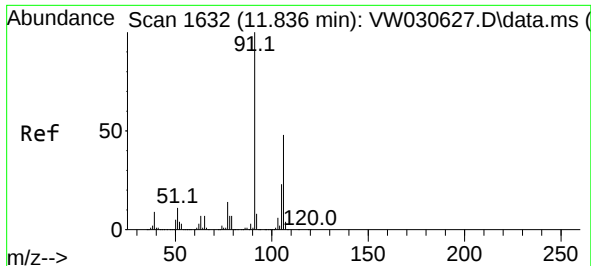


#50
1,2-Dibromoethane
Concen: 23.807 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31



Tgt Ion:	107	Resp:	64073
Ion	Ratio	Lower	Upper
107	100		
109	90.2	63.8	118.6
188	2.9	2.6	3.8

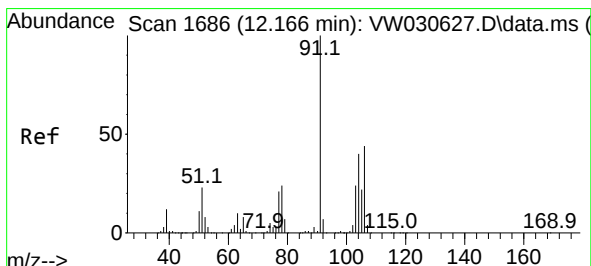
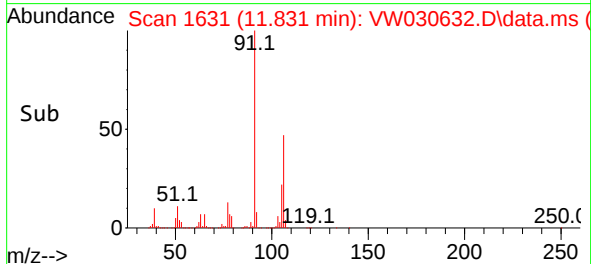
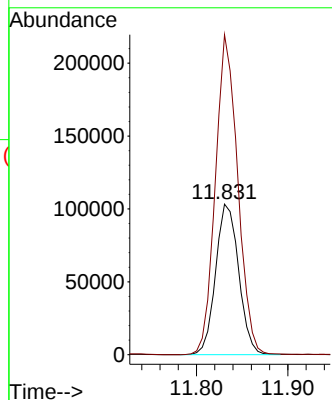
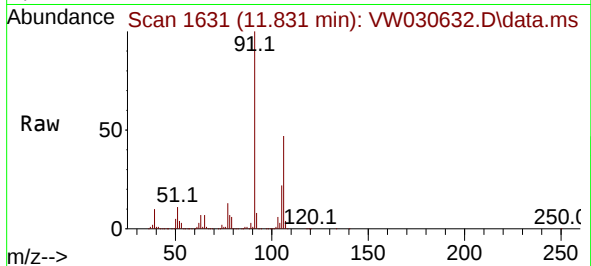




#53
m,p-Xylene
Concen: 24.884 ug/L
RT: 11.831 min Scan# 1632
Delta R.T. -0.006 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

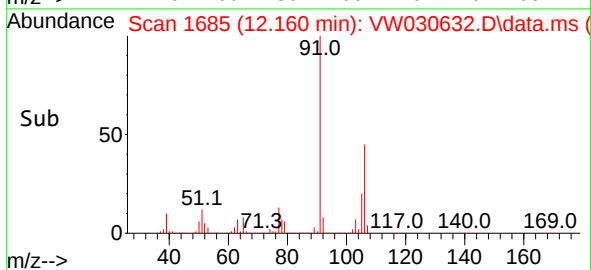
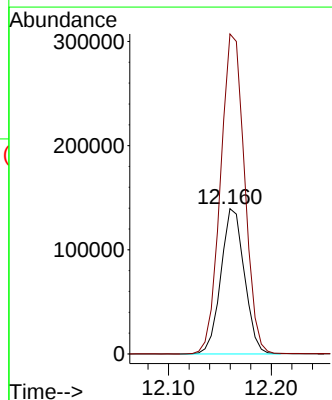
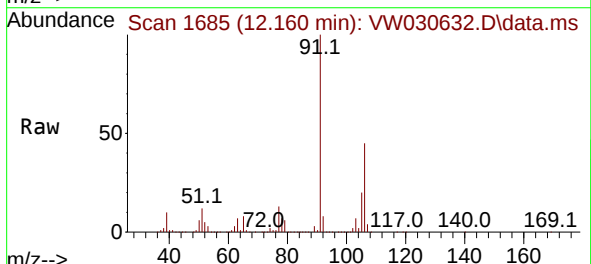
Instrument :
MSVOA_W
ClientSampleId :

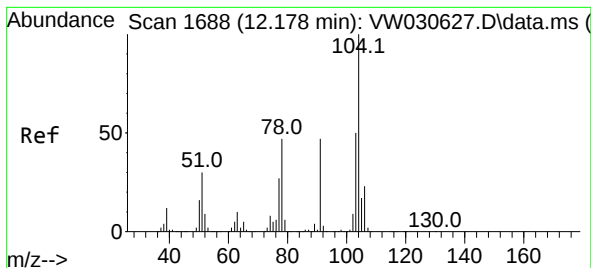
Tgt Ion:106 Resp: 181343
Ion Ratio Lower Upper
106 100
91 212.5 140.6 261.2



#54
o-Xylene
Concen: 32.892 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW030632.D
Acq: 17 Oct 2024 12:31

Tgt Ion:106 Resp: 221607
Ion Ratio Lower Upper
106 100
91 220.2 144.5 268.4





#55

Styrene

Concen: 1.124 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.018 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Instrument :

MSVOA_W

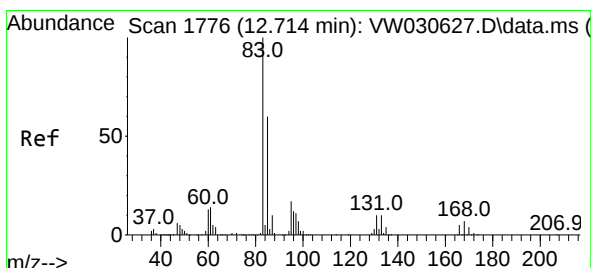
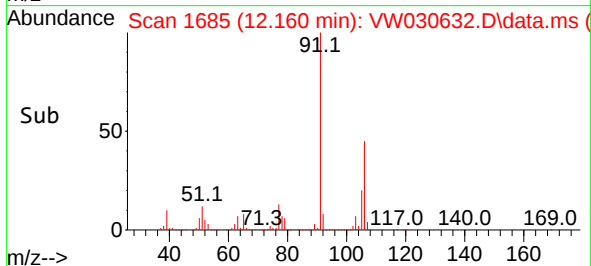
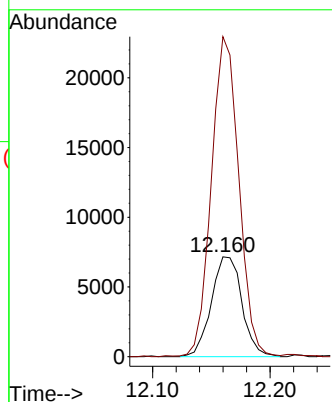
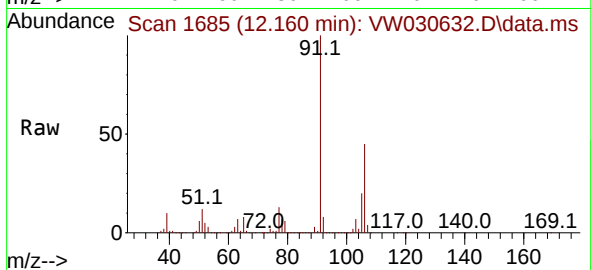
ClientSampleId :

Tgt Ion:104 Resp: 12947

Ion Ratio Lower Upper

104 100

78 320.6 34.3 63.7#



#57

1,1,2,2-Tetrachloroethane

Concen: 26.383 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

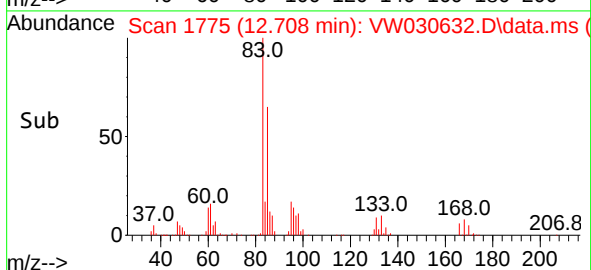
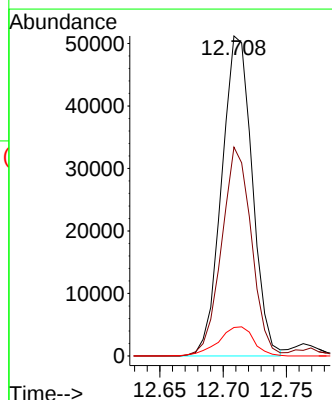
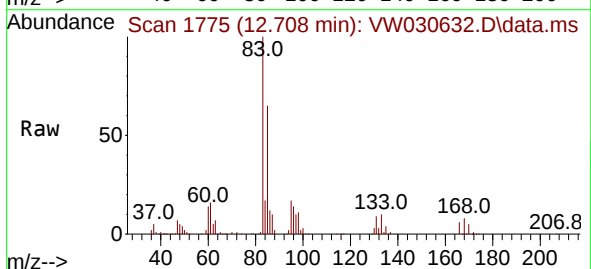
Tgt Ion: 83 Resp: 85816

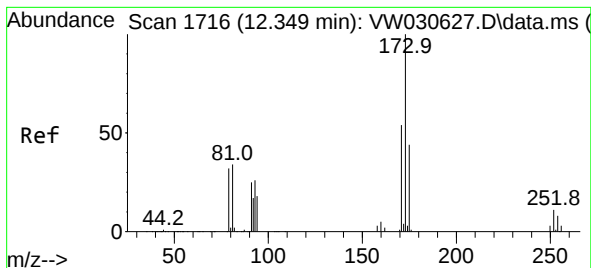
Ion Ratio Lower Upper

83 100

85 65.3 42.6 79.2

131 8.9 7.4 11.0





#59

Bromoform

Concen: 9.151 ug/L

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

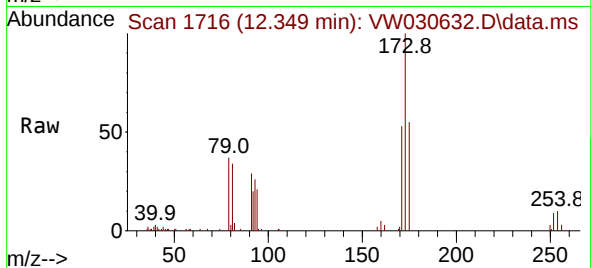
Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

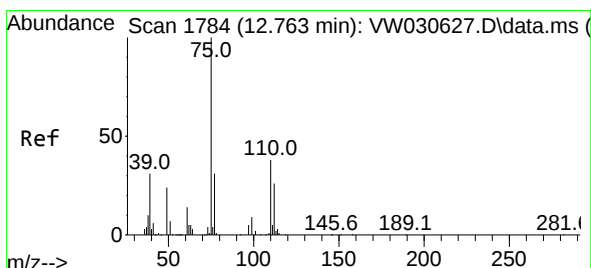
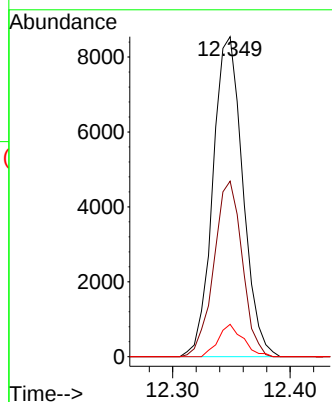
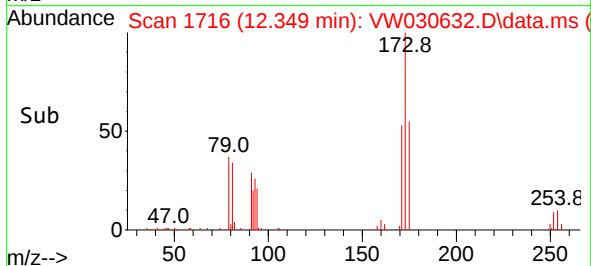
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	173	Resp:	15116
Ion Ratio	Lower	Upper	
173	100		
175	51.9	39.0	58.4
254	8.4	7.7	11.5



#61

1,2,3-Trichloropropane

Concen: 41.017 ug/L

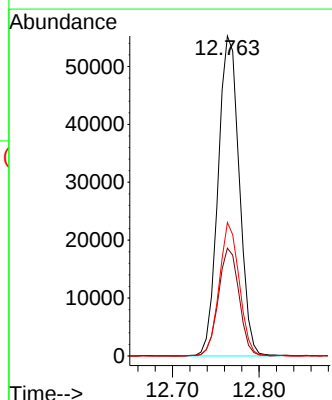
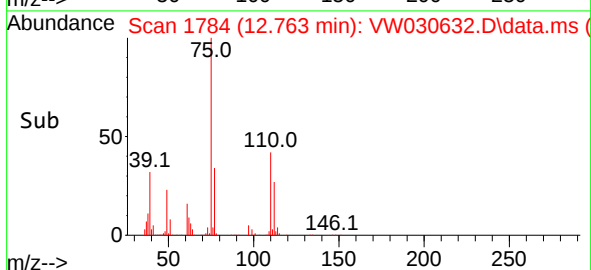
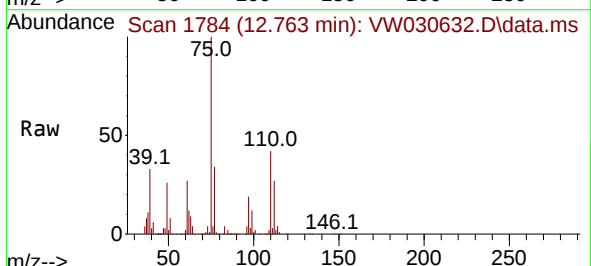
RT: 12.763 min Scan# 1784

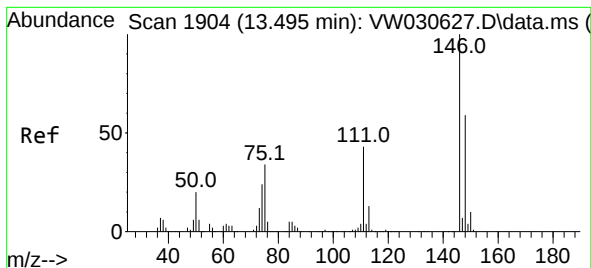
Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Tgt Ion:	75	Resp:	93837
Ion Ratio	Lower	Upper	
75	100		
77	32.8	25.7	38.5
110	39.5	32.3	48.5





#64

1,3-Dichlorobenzene

Concen: 20.135 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Instrument :

MSVOA_W

ClientSampleId :

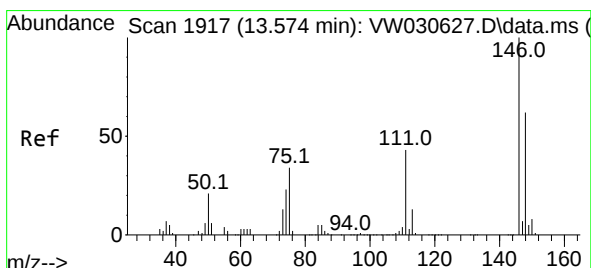
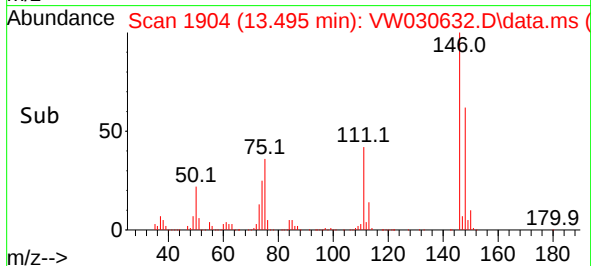
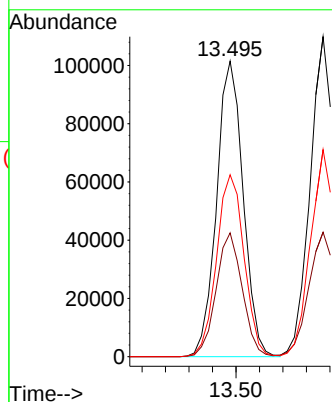
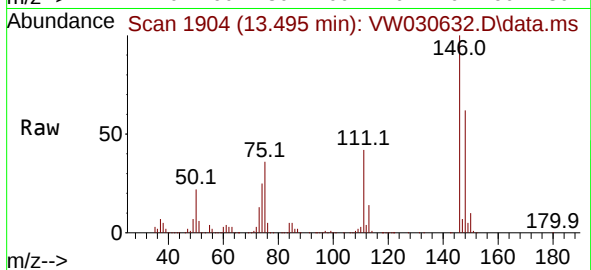
Tgt Ion:146 Resp: 159569

Ion Ratio Lower Upper

146 100

111 41.9 31.2 58.0

148 61.6 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 20.352 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

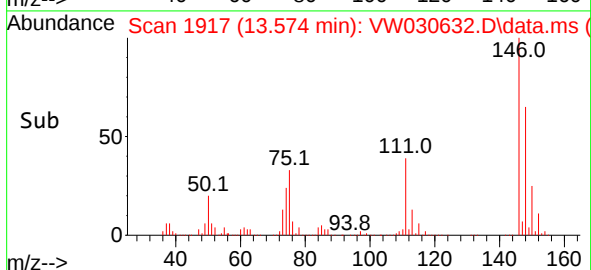
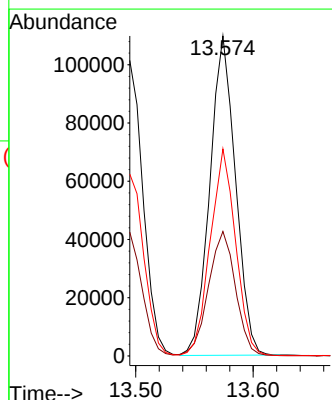
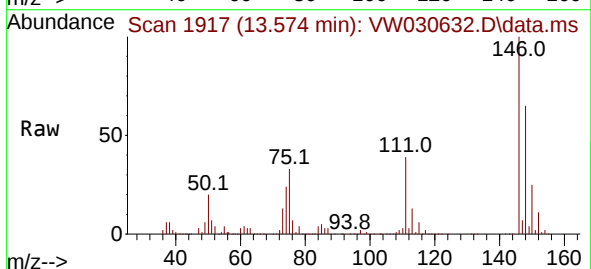
Tgt Ion:146 Resp: 166537

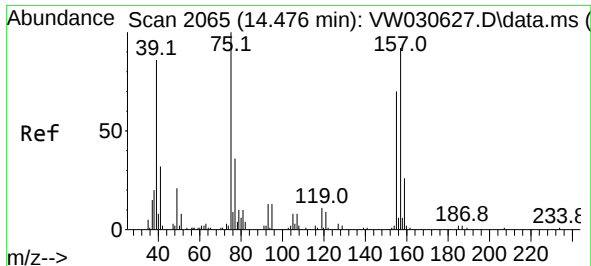
Ion Ratio Lower Upper

146 100

111 38.9 26.8 49.8

148 64.7 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 11.139 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Instrument :

MSVOA_W

ClientSampleId :

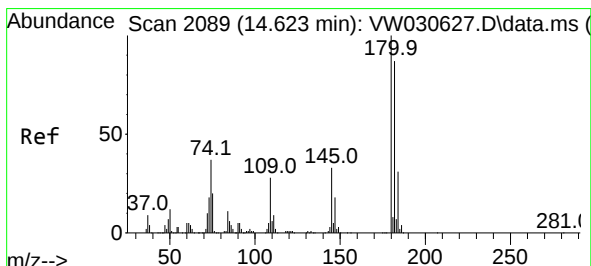
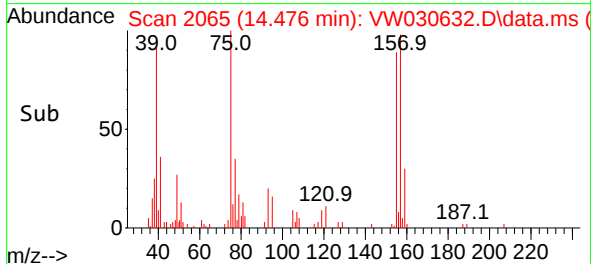
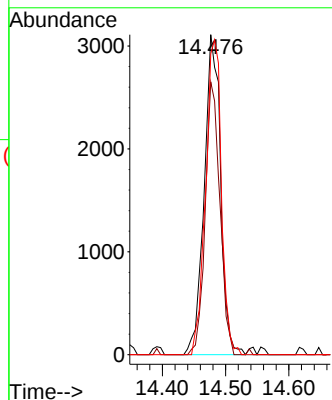
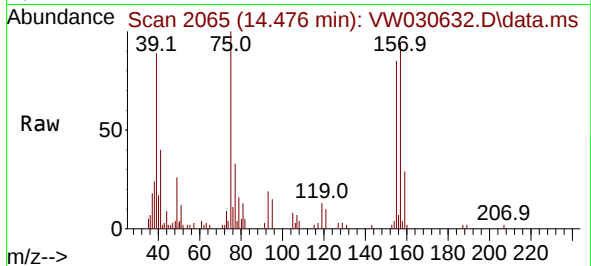
Tgt Ion: 75 Resp: 5682

Ion Ratio Lower Upper

75 100

155 85.2 57.9 86.9

157 94.0 69.0 103.6



#69

1,3,5-Trichlorobenzene

Concen: 8.953 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.506 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Tgt Ion:180 Resp: 46787

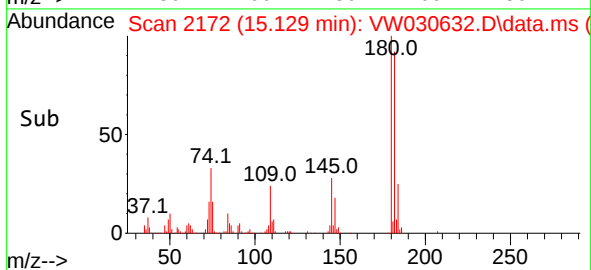
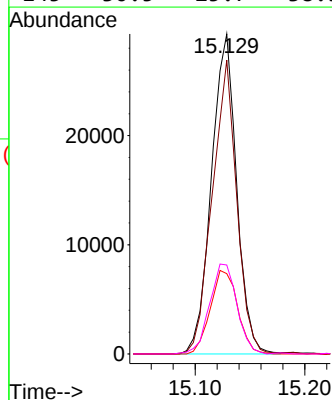
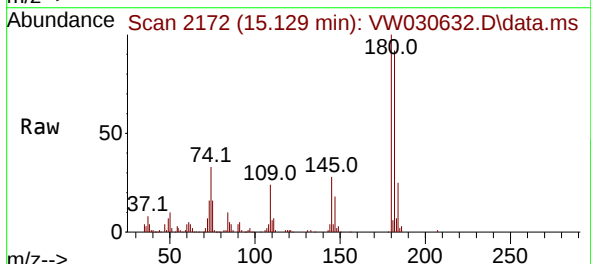
Ion Ratio Lower Upper

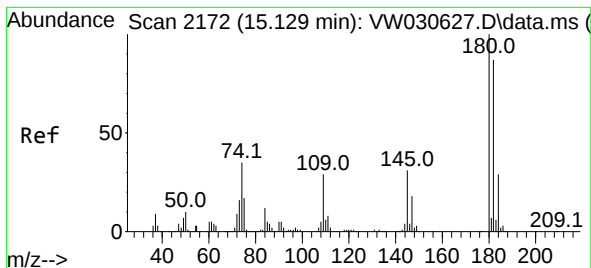
180 100

182 89.2 79.9 119.9

184 28.3 25.2 37.8

145 30.5 25.7 38.5





#70

1,2,4-trichlorobenzene

Concen: 11.121 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Instrument :

MSVOA_W

ClientSampleId :

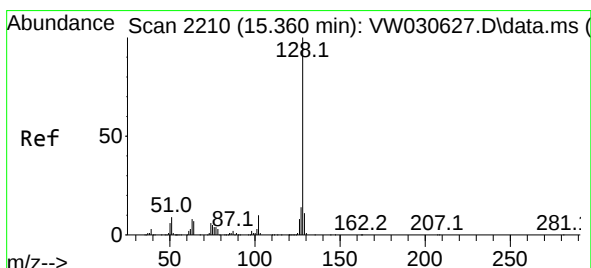
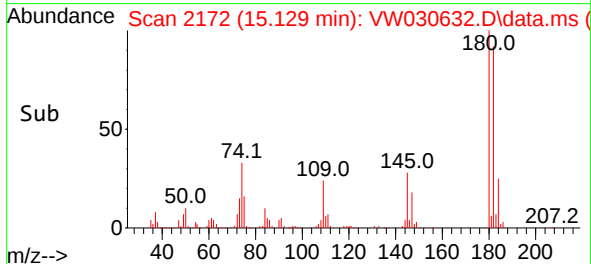
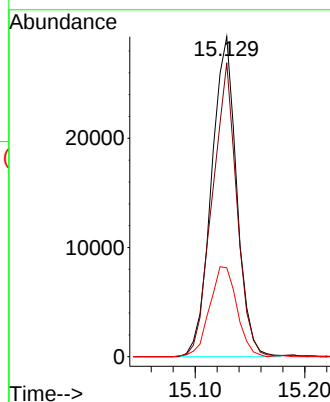
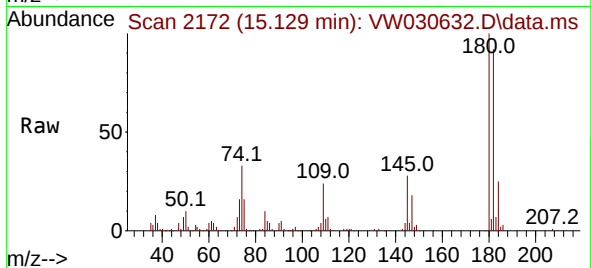
Tgt Ion:180 Resp: 46787

Ion Ratio Lower Upper

180 100

182 89.2 75.2 112.8

145 30.5 25.4 38.2



#71

Naphthalene

Concen: 41.000 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW030632.D

Acq: 17 Oct 2024 12:31

Tgt Ion:128 Resp: 298009

Ion Ratio Lower Upper

128 100

127 13.1 10.9 16.3

129 10.6 8.8 13.2

