

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071924\
 Data File : VW029658.D
 Acq On : 19 Jul 2024 15:58
 Operator : SY/MD
 Sample : P3265-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 23:22:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 19 23:16:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	210572	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	193192	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	96108	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	68952	20.270	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.080%
7) Chloroethane-d5	2.899	69	57022	23.280	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.120%
11) 1,1-Dichloroethene-d2	4.021	65	34555	22.622	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.480%
21) 2-Butanone-d5	7.075	46	46100	45.146	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.300%
24) Chloroform-d	7.648	84	169900	27.910	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.640%
26) 1,2-Dichloroethane-d4	8.307	65	92847	26.003	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	8.276	84	297181	25.678	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.720%
36) 1,2-Dichloropropane-d6	9.270	67	97980	26.478	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.920%
41) Toluene-d8	10.318	98	271005	26.626	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.520%
43) trans-1,3-Dichloroprop...	10.575	79	35833	22.868	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.480%
47) 2-Hexanone-d5	10.922	63	31079	46.221	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.440%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	74780	24.890	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.560%
66) 1,2-Dichlorobenzene-d4	13.848	152	88201	26.352	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	60897	23.255	ug/L	93
13) Acetone	4.131	43	31355	30.423	ug/L	98
16) Methylene chloride	4.917	84	159941	42.426	ug/L	94
17) trans-1,2-Dichloroethene	5.435	96	49067	16.926	ug/L	92
18) Methyl tert-butyl Ether	5.435	73	108451	21.988	ug/L	99
19) 1,1-Dichloroethane	6.222	63	301214	50.596	ug/L	99
22) 2-Butanone	7.173	43	122918	90.846	ug/L	95
25) Chloroform	7.673	83	299727	52.034	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	2065	0.468	ug/L	91
31) Carbon tetrachloride	8.069	117	37006	9.159	ug/L	98
33) Benzene	8.325	78	461956	38.218	ug/L	100
34) Trichloroethene	9.093	95	174633	54.710	ug/L	98
37) 1,2-Dichloropropane	9.367	63	71792	21.478	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	171885	34.238	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	165372	70.201	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	160838	37.379	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	61136	25.432	ug/L	98
46) Tetrachloroethene	10.861	164	1077	0.475	ug/L	90
50) 1,2-Dibromoethane	11.233	107	51905	22.658	ug/L	100

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 Quant Title : SFAM01.0
 QLast Update : Fri Jul 19 23:16:32 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

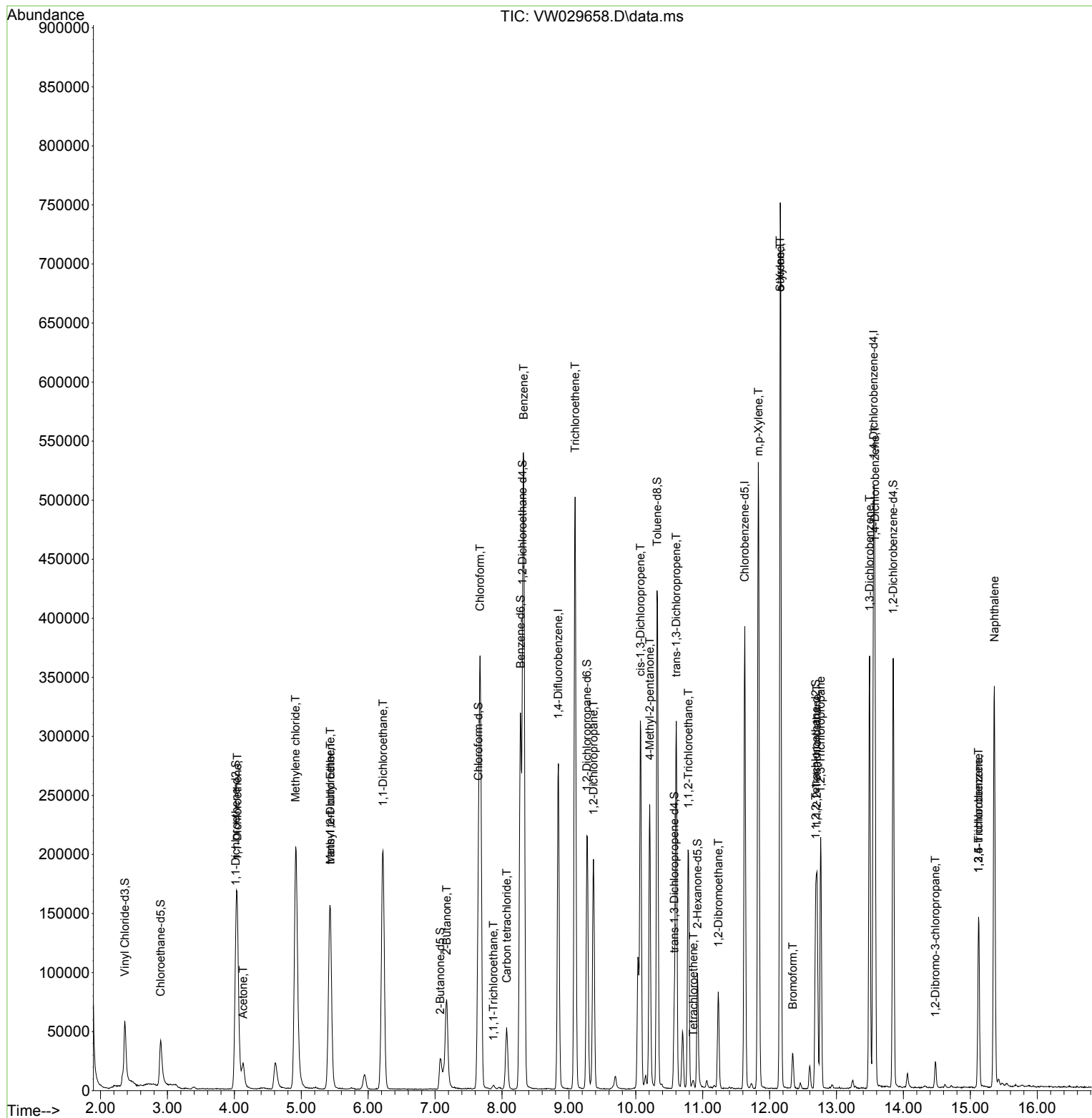
53) m,p-Xylene	11.836	106	148753	28.923	ug/L	95
54) o-Xylene	12.160	106	180871	38.022	ug/L	97
55) Styrene	12.160	104	10404	1.244	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	72820	24.015	ug/L	99
59) Bromoform	12.349	173	12873	8.677	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	86333	37.117	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	132034	21.783	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	138790	22.351	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	5534	9.952	ug/L	95
69) 1,3,5-Trichlorobenzene	15.122	180	42739	10.809	ug/L	94
70) 1,2,4-trichlorobenzene	15.122	180	42739	12.284	ug/L	97
71) Naphthalene	15.360	128	272860	37.364	ug/L	99

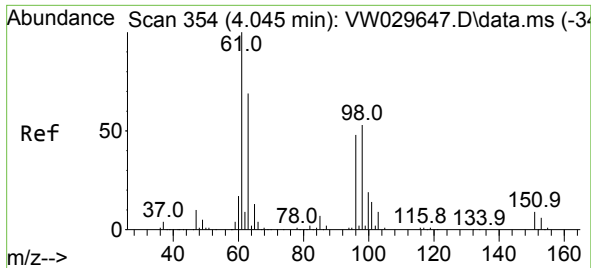
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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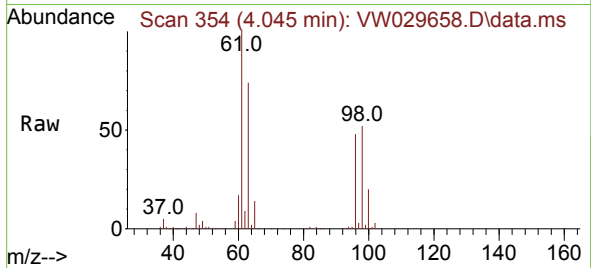
Quant Time: Jul 19 23:22:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 19 23:16:32 2024
Response via : Initial Calibration





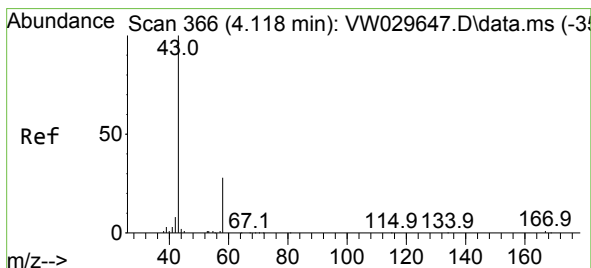
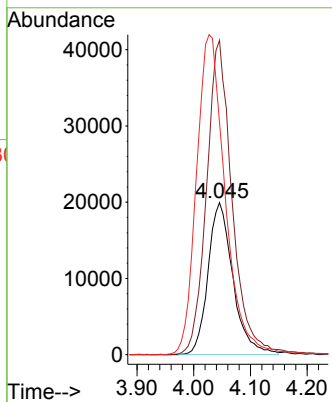
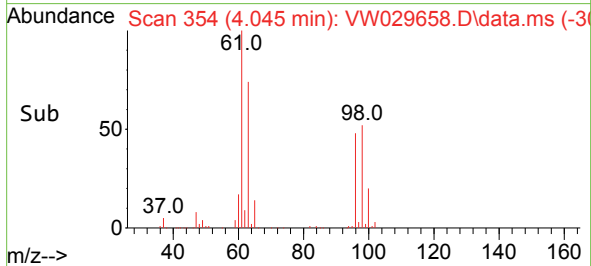
#12
1,1-Dichloroethene
Concen: 23.255 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 60897

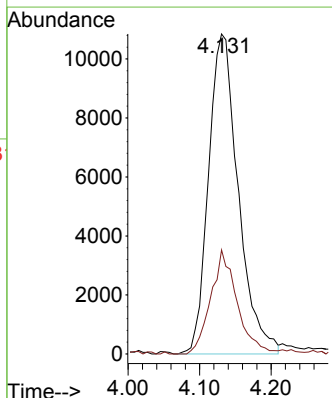
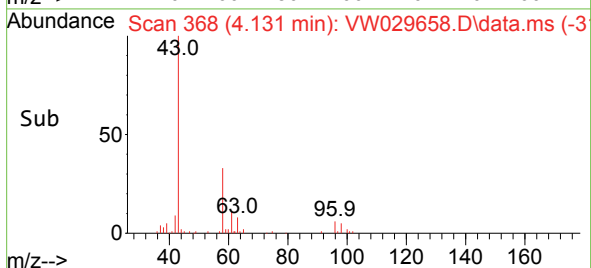
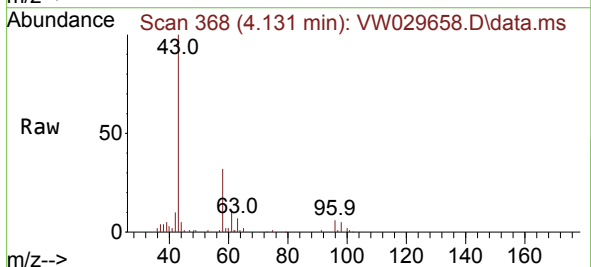
Ion	Ratio	Lower	Upper
96	100		
61	206.9	132.4	245.8
63	153.0	108.4	201.2

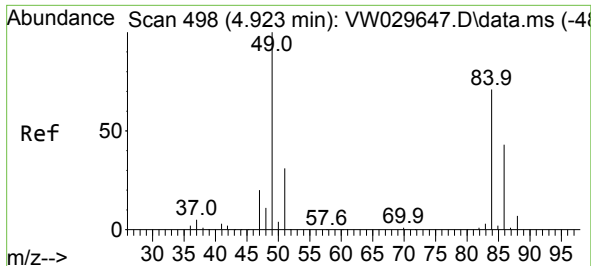


#13
Acetone
Concen: 30.423 ug/L
RT: 4.131 min Scan# 368
Delta R.T. 0.012 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Tgt Ion: 43 Resp: 31355

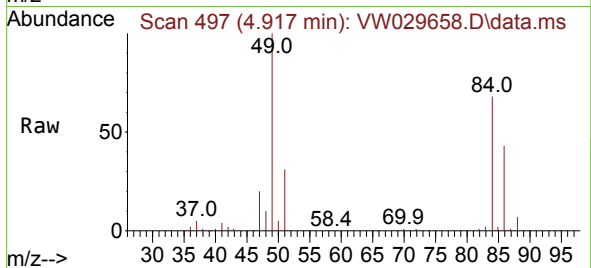
Ion	Ratio	Lower	Upper
43	100		
58	28.9	0.0	55.6



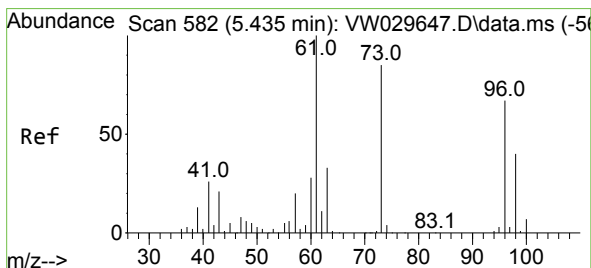
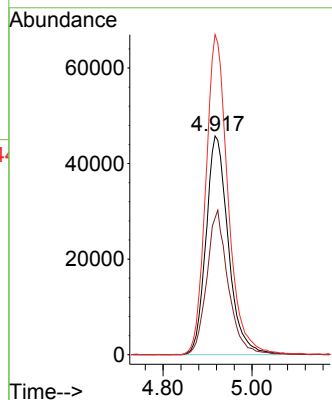
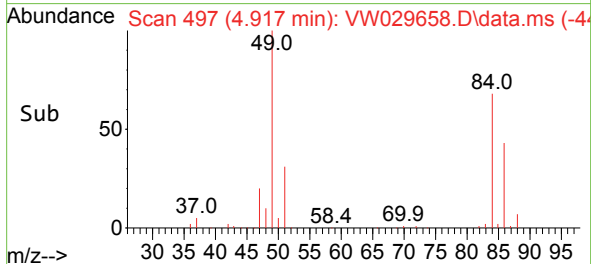


#16
Methylene chloride
Concen: 42.426 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.006 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Instrument :
MSVOA_W
ClientSampleId :

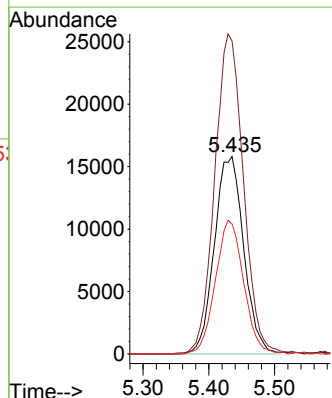
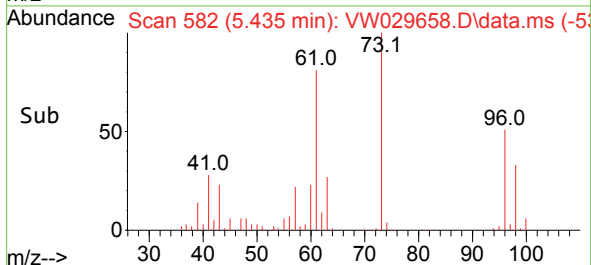
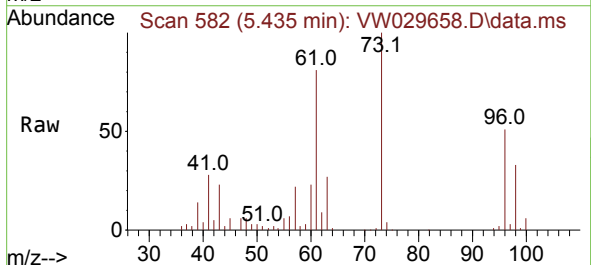


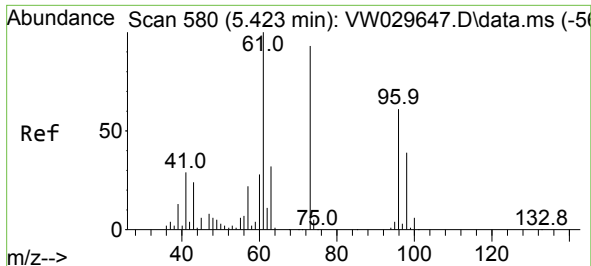
Tgt Ion: 84 Resp: 159941
Ion Ratio Lower Upper
84 100
86 62.6 46.2 85.8
49 146.3 96.7 179.7



#17
trans-1,2-Dichloroethene
Concen: 16.926 ug/L
RT: 5.435 min Scan# 582
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

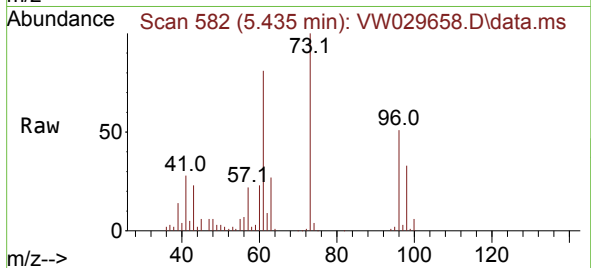
Tgt Ion: 96 Resp: 49067
Ion Ratio Lower Upper
96 100
61 158.5 102.9 191.1
98 65.9 43.9 81.5



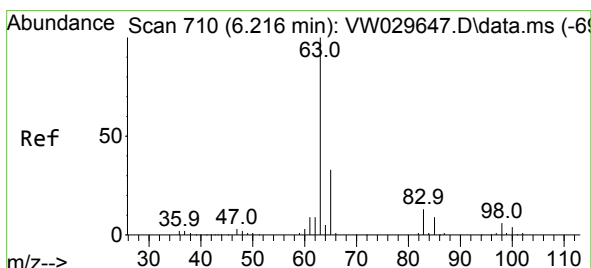
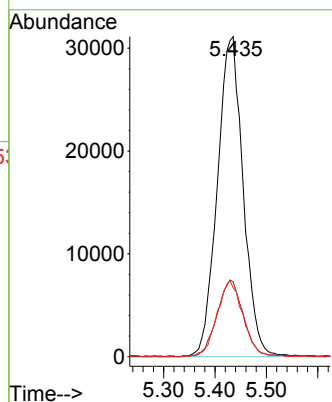
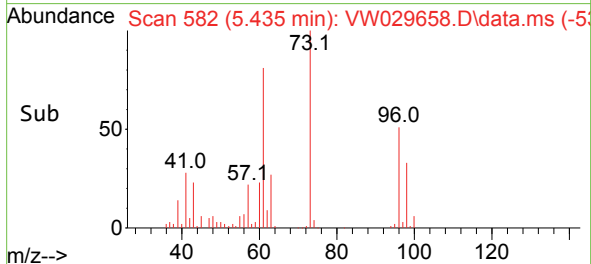


#18
Methyl tert-butyl Ether
Concen: 21.988 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.012 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Instrument :
MSVOA_W
ClientSampleId :

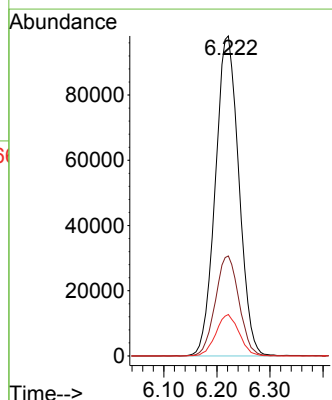
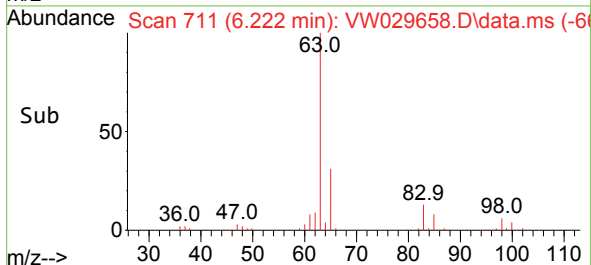
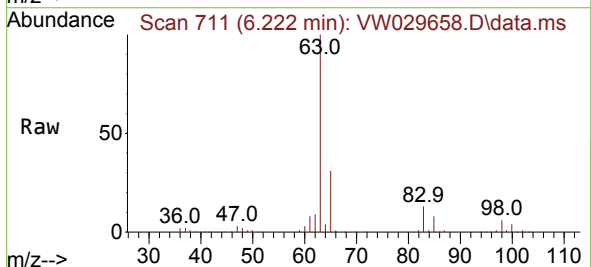


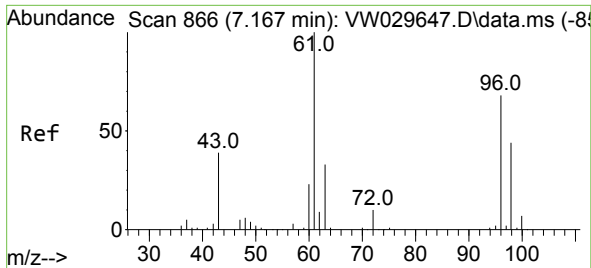
Tgt Ion: 73 Resp: 108451
Ion Ratio Lower Upper
73 100
43 24.0 18.7 28.1
57 23.9 18.9 28.3



#19
1,1-Dichloroethane
Concen: 50.596 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Tgt Ion: 63 Resp: 301214
Ion Ratio Lower Upper
63 100
65 31.2 21.5 39.9
83 12.9 8.7 16.1

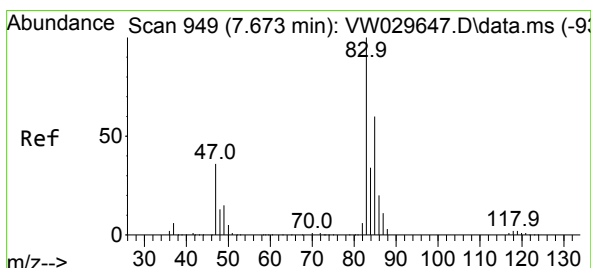
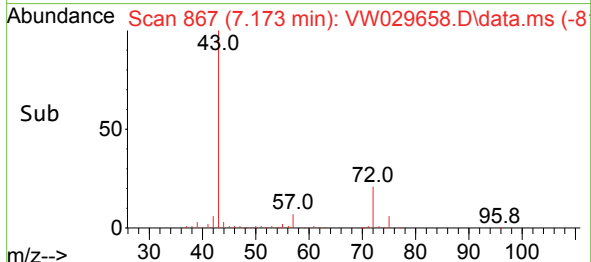
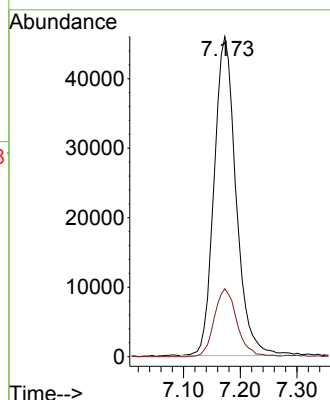
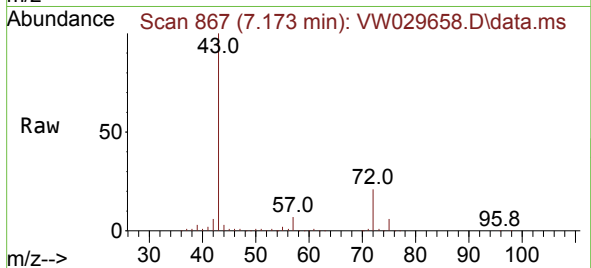




#22
2-Butanone
Concen: 90.846 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

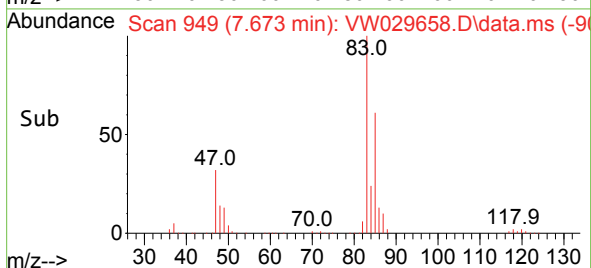
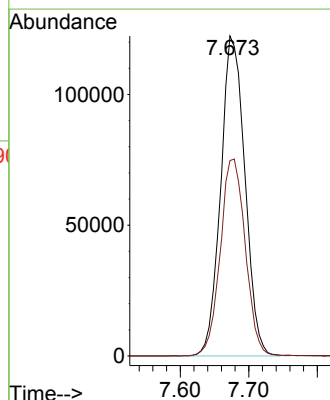
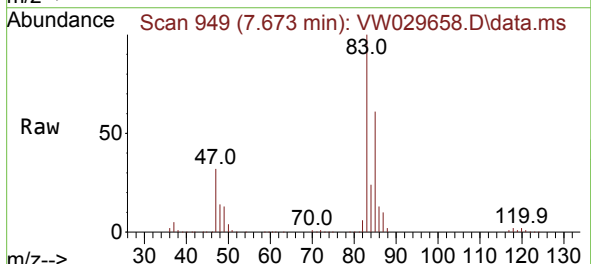
Instrument :
MSVOA_W
ClientSampleId :

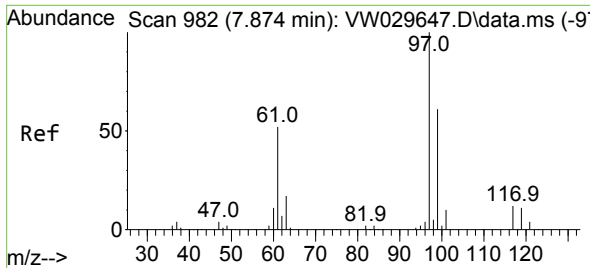
Tgt Ion: 43 Resp: 122918
Ion Ratio Lower Upper
43 100
72 21.9 12.0 36.1



#25
Chloroform
Concen: 52.034 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

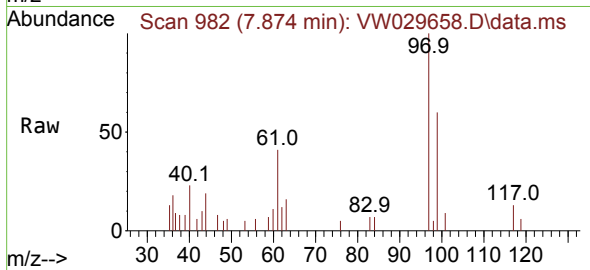
Tgt Ion: 83 Resp: 299727
Ion Ratio Lower Upper
83 100
85 61.1 44.1 81.9



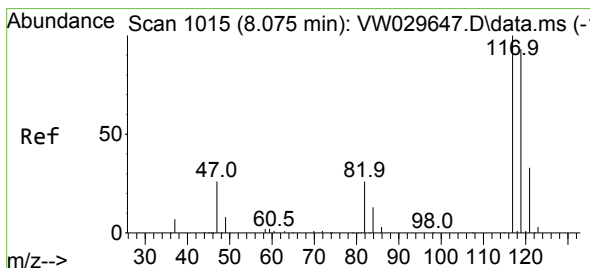
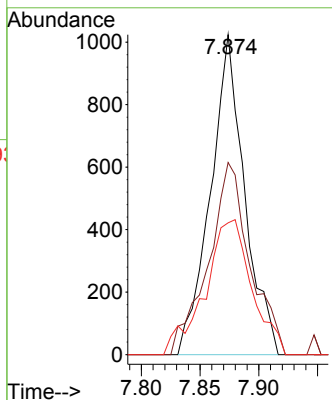
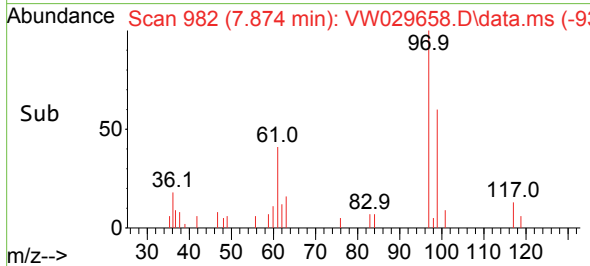


#30
 1,1,1-Trichloroethane
 Concen: 0.468 ug/L
 RT: 7.874 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW029658.D
 Acq: 19 Jul 2024 15:58

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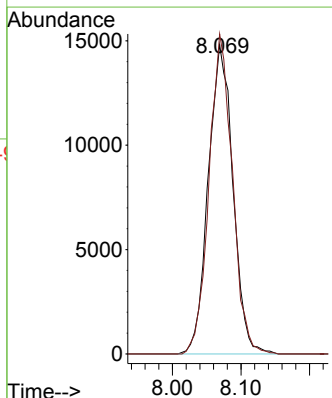
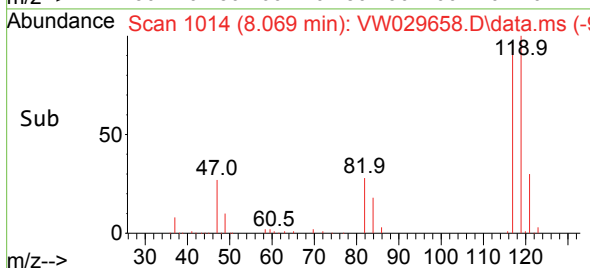
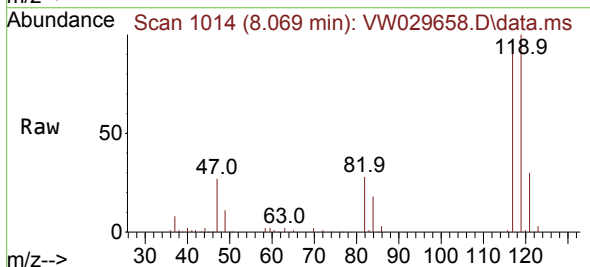


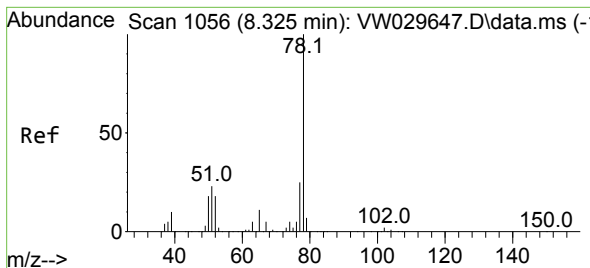
Tgt Ion: 97	Resp: 2065
Ion Ratio	Lower Upper
97	100
99	73.5 51.1 76.7
61	53.9 40.6 61.0



#31
 Carbon tetrachloride
 Concen: 9.159 ug/L
 RT: 8.069 min Scan# 1014
 Delta R.T. -0.006 min
 Lab File: VW029658.D
 Acq: 19 Jul 2024 15:58

Tgt Ion: 117	Resp: 37006
Ion Ratio	Lower Upper
117	100
119	98.1 77.0 115.6





#33

Benzene

Concen: 38.218 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VW029658.D

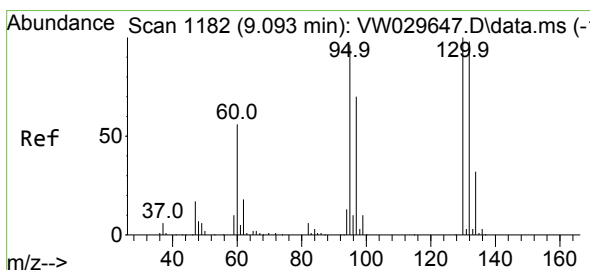
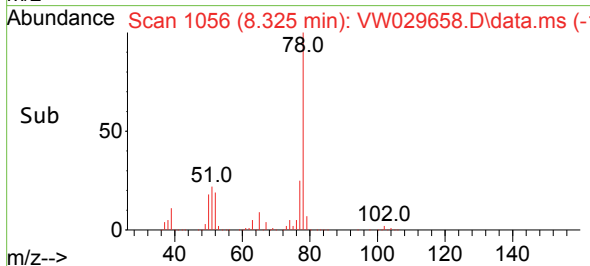
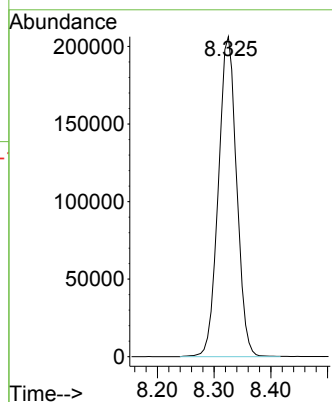
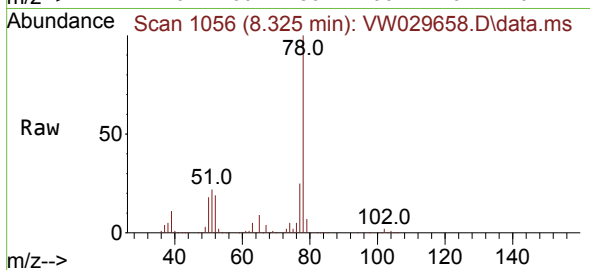
Acq: 19 Jul 2024 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 461956



#34

Trichloroethene

Concen: 54.710 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW029658.D

Acq: 19 Jul 2024 15:58

Tgt Ion: 95 Resp: 174633

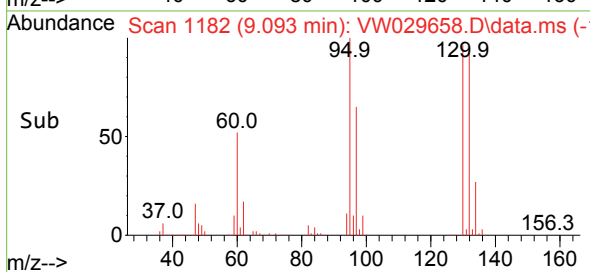
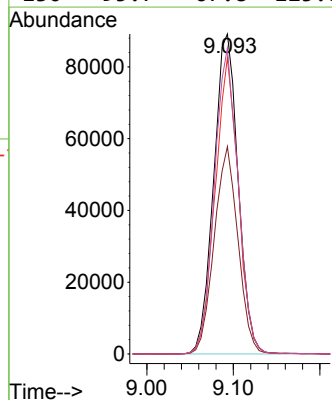
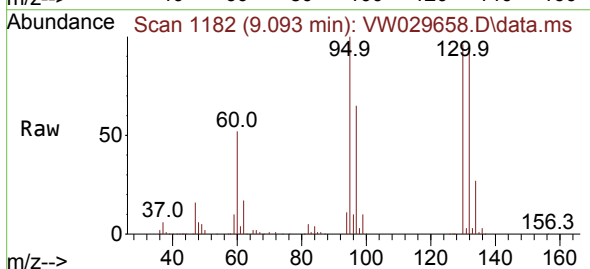
Ion Ratio Lower Upper

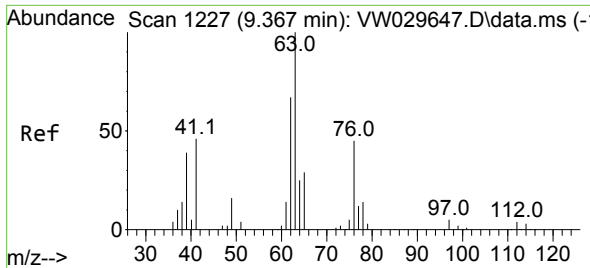
95 100

97 64.8 47.3 87.9

132 92.6 65.8 122.2

130 95.7 67.8 125.8

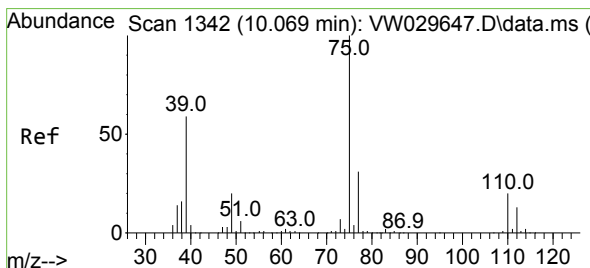
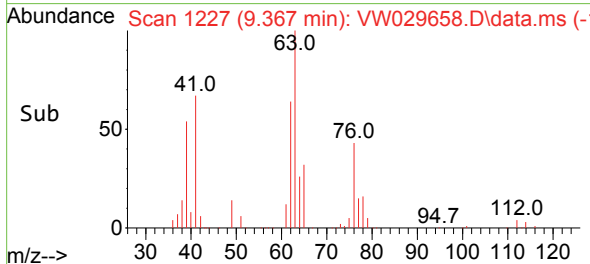
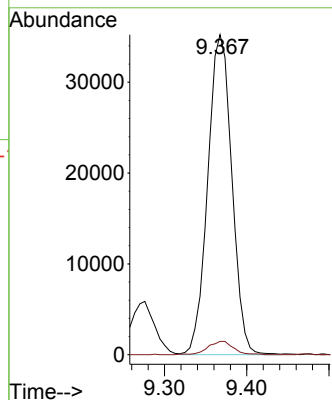
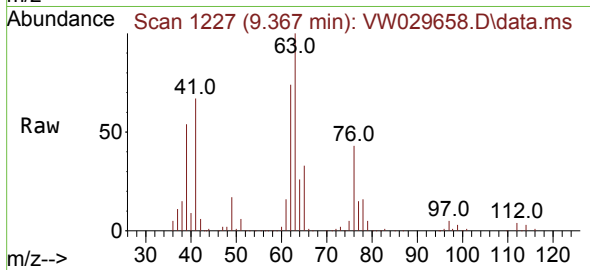




#37
 1,2-Dichloropropane
 Concen: 21.478 ug/L
 RT: 9.367 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW029658.D
 Acq: 19 Jul 2024 15:58

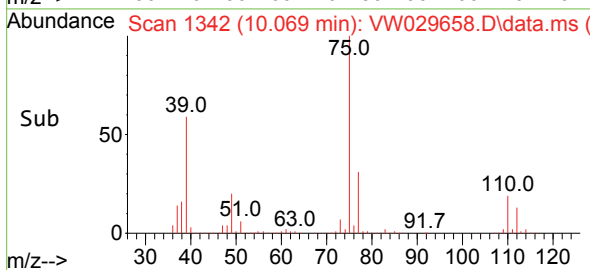
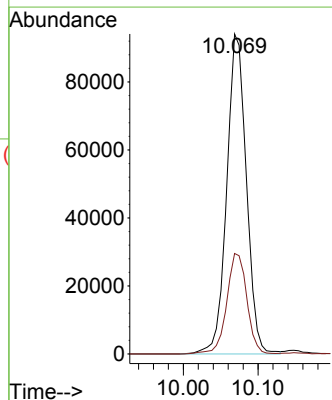
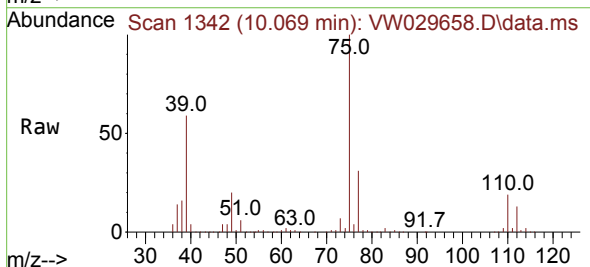
Instrument :
 MSVOA_W
 ClientSampleId :

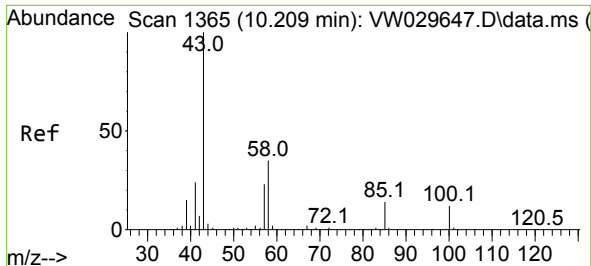
Tgt Ion: 63 Resp: 71792
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#39
 cis-1,3-Dichloropropene
 Concen: 34.238 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. -0.000 min
 Lab File: VW029658.D
 Acq: 19 Jul 2024 15:58

Tgt Ion: 75 Resp: 171885
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2

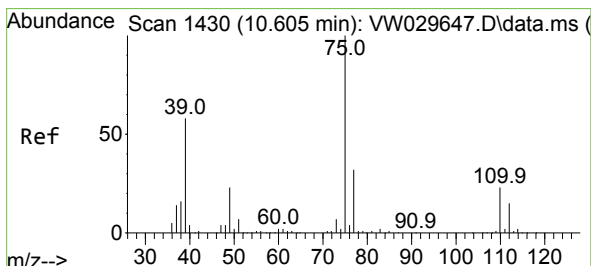
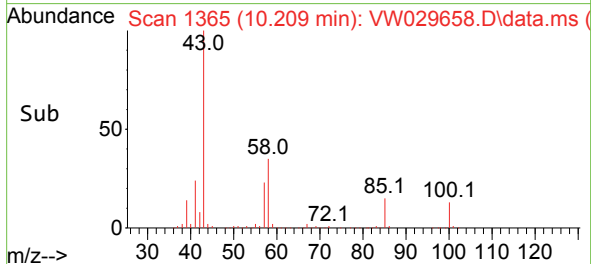
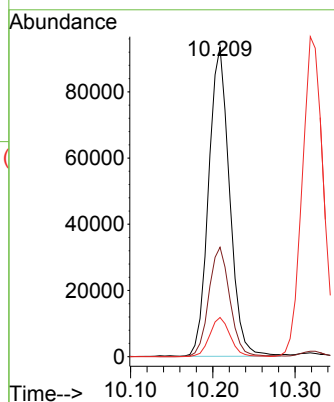
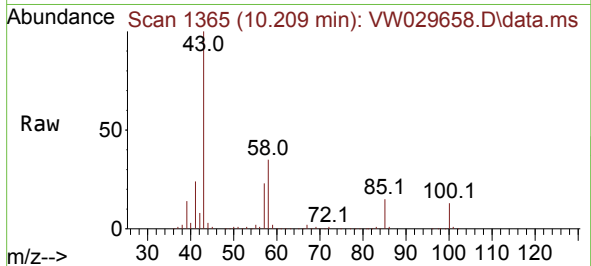




#40
4-Methyl-2-pentanone
Concen: 70.201 ug/L
RT: 10.209 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

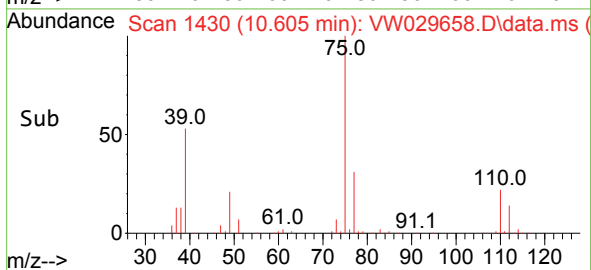
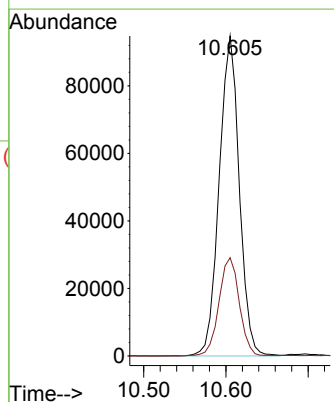
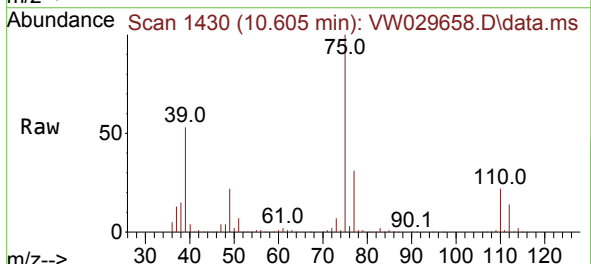
Instrument :
MSVOA_W
ClientSampleId :

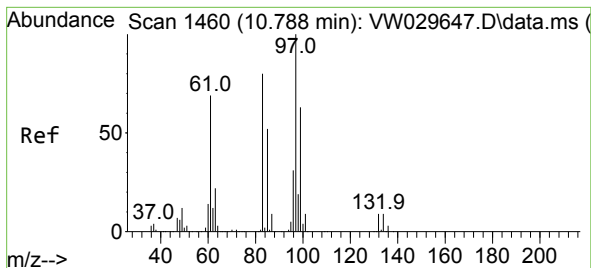
Tgt Ion:	43	Resp:	165372
Ion Ratio	Lower	Upper	
43	100		
58	35.6	29.0	43.6
100	12.5	10.5	15.7



#44
trans-1,3-Dichloropropene
Concen: 37.379 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Tgt Ion:	75	Resp:	160838
Ion Ratio	Lower	Upper	
75	100		
77	30.7	22.4	41.6





#45

1,1,2-Trichloroethane

Concen: 25.432 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW029658.D

Acq: 19 Jul 2024 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 61136

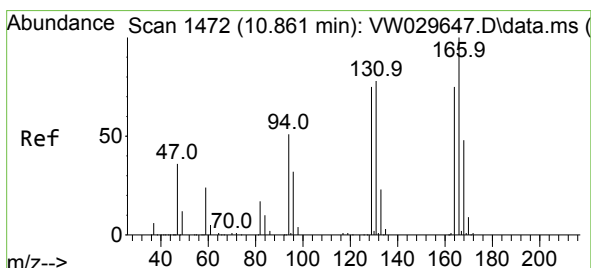
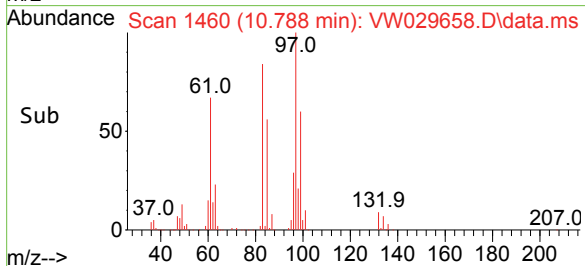
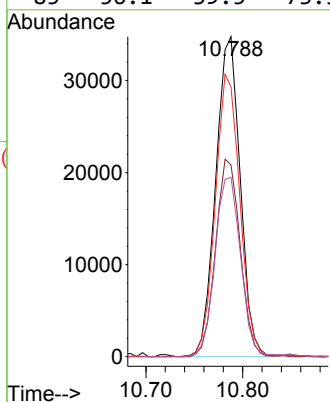
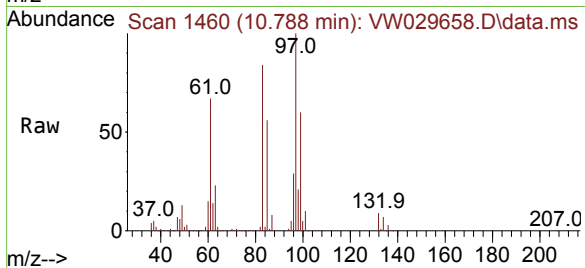
Ion Ratio Lower Upper

97 100

99 60.0 43.8 81.4

83 84.3 60.3 111.9

85 56.1 39.5 73.3



#46

Tetrachloroethene

Concen: 0.475 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029658.D

Acq: 19 Jul 2024 15:58

Tgt Ion:164 Resp: 1077

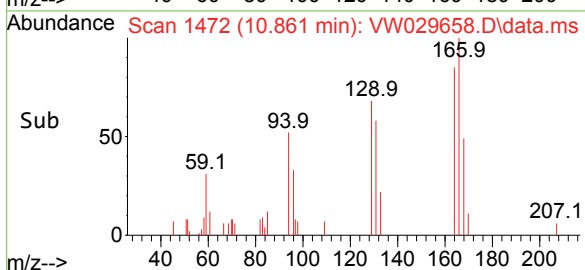
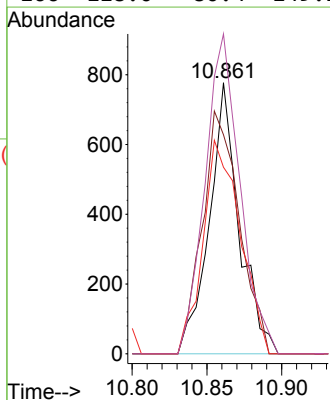
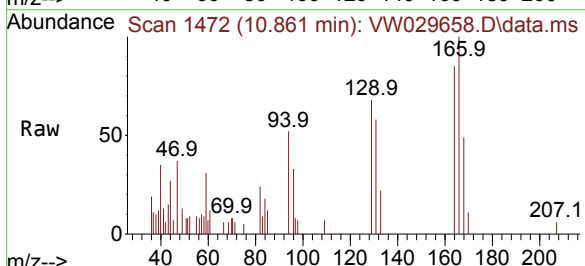
Ion Ratio Lower Upper

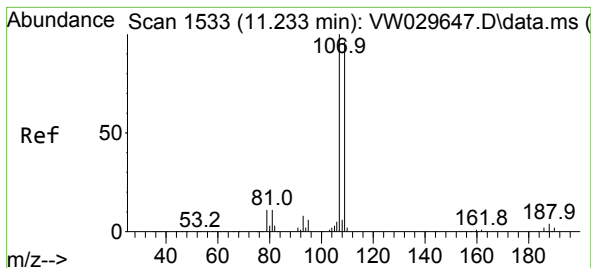
164 100

129 80.8 60.0 111.4

131 68.9 64.6 120.0

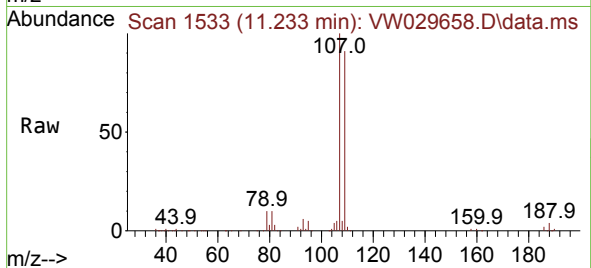
166 118.0 80.4 149.2



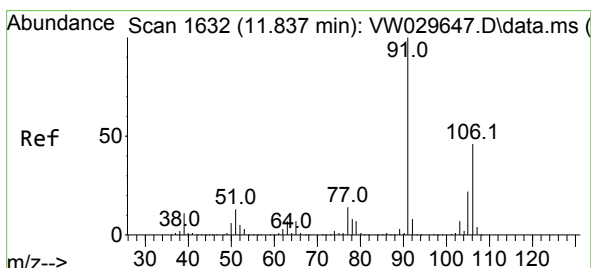
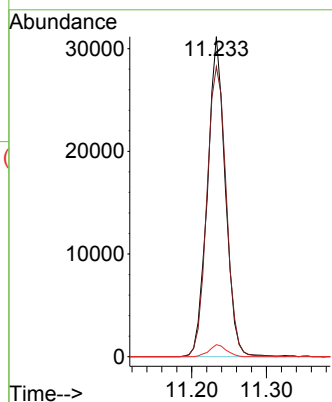
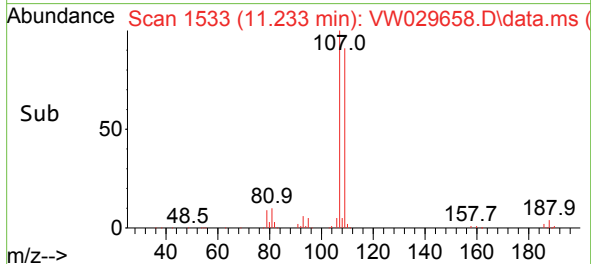


#50
1,2-Dibromoethane
Concen: 22.658 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Instrument :
MSVOA_W
ClientSampleId :

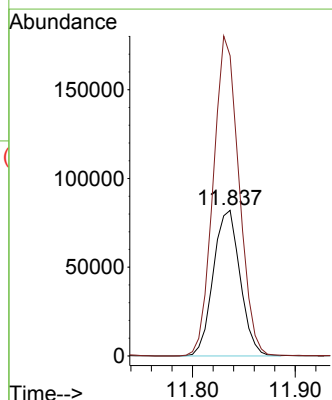
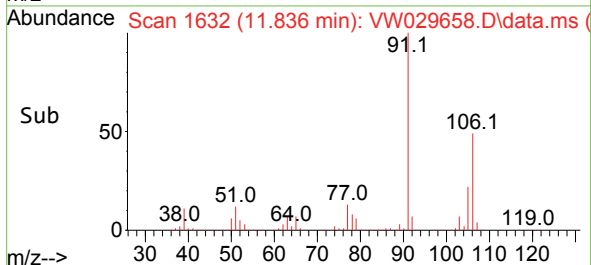
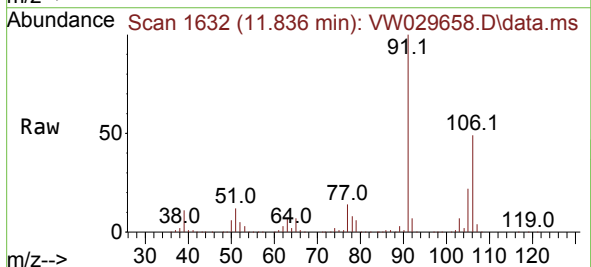


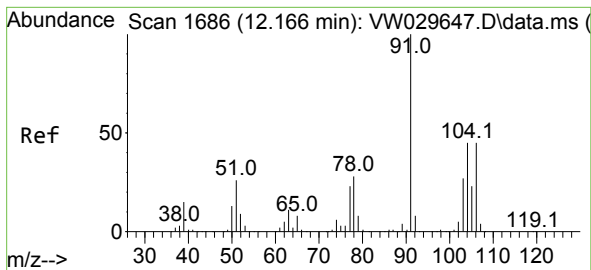
Tgt Ion:107 Resp: 51905
Ion Ratio Lower Upper
107 100
109 90.6 63.2 117.4
188 4.0 2.9 4.3



#53
m,p-Xylene
Concen: 28.923 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Tgt Ion:106 Resp: 148753
Ion Ratio Lower Upper
106 100
91 206.0 149.3 277.3





#54

o-Xylene

Concen: 38.022 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029658.D

Acq: 19 Jul 2024 15:58

Instrument :

MSVOA_W

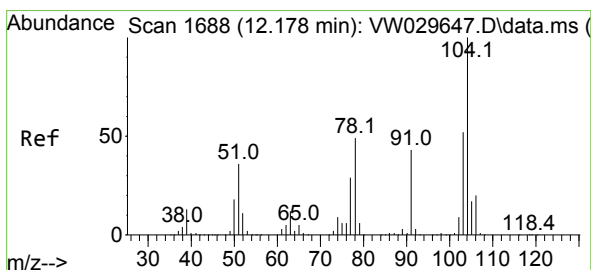
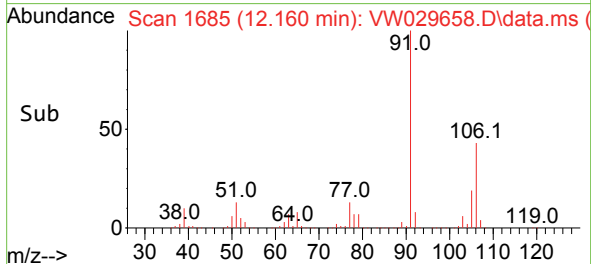
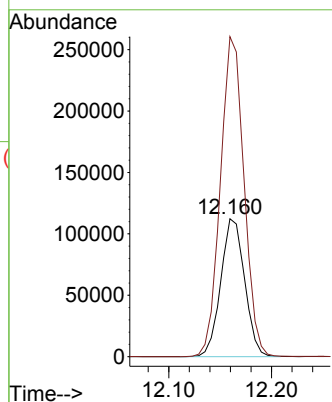
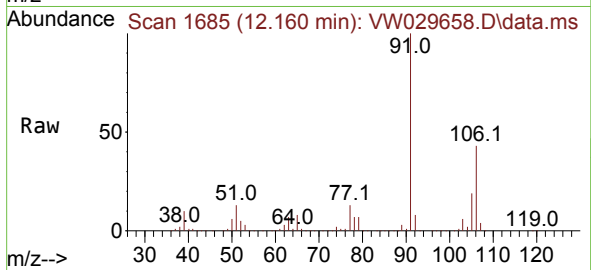
ClientSampleId :

Tgt Ion:106 Resp: 180871

Ion Ratio Lower Upper

106 100

91 232.0 159.2 295.6



#55

Styrene

Concen: 1.244 ug/L

RT: 12.160 min Scan# 1685

Delta R.T. -0.018 min

Lab File: VW029658.D

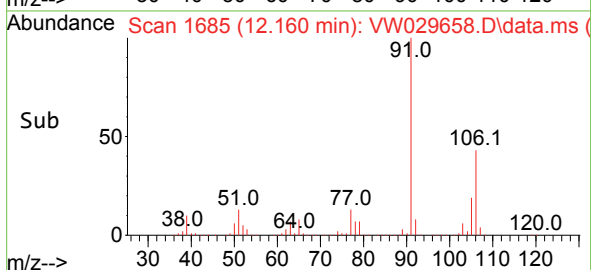
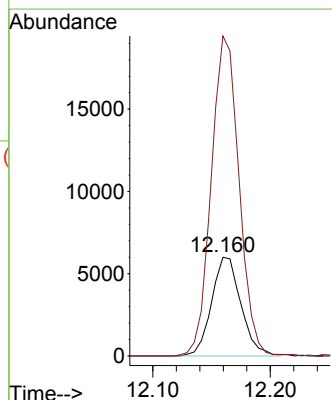
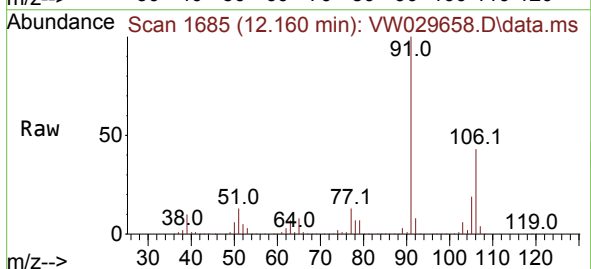
Acq: 19 Jul 2024 15:58

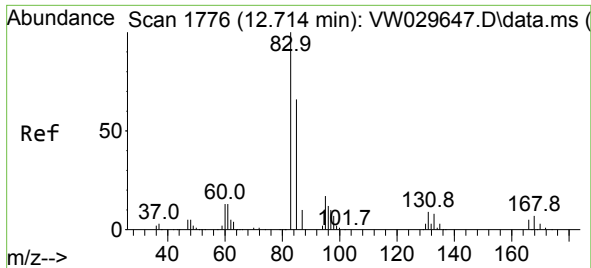
Tgt Ion:104 Resp: 10404

Ion Ratio Lower Upper

104 100

78 324.0 34.7 64.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 24.015 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029658.D

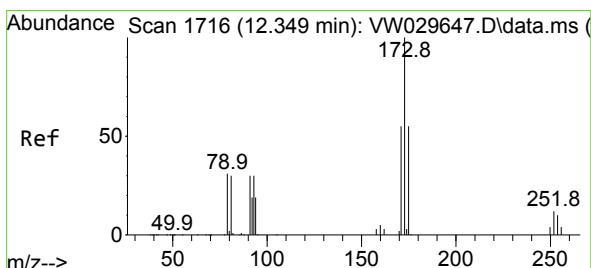
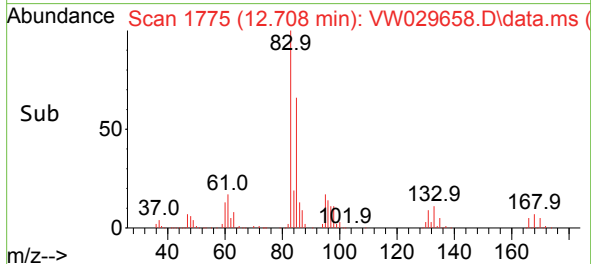
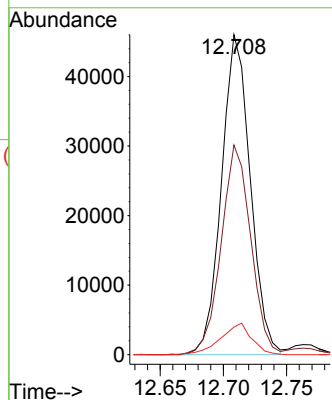
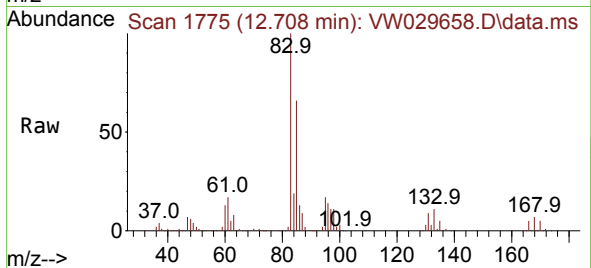
Acq: 19 Jul 2024 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	72820
Ion Ratio	Lower	Upper	
83	100		
85	65.5	45.4	84.4
131	8.7	6.4	9.6



#59

Bromoform

Concen: 8.677 ug/L

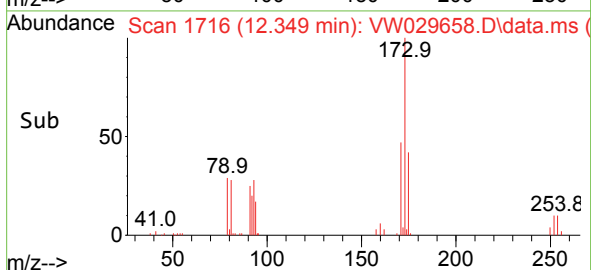
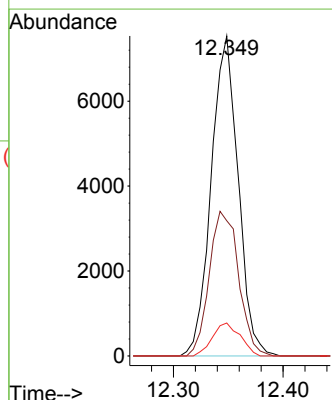
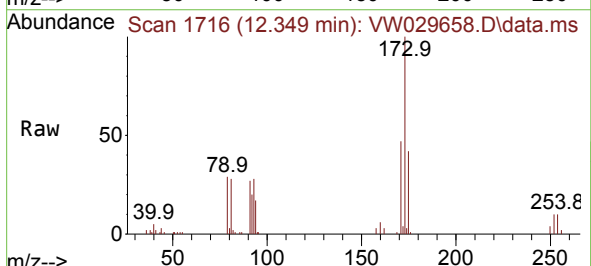
RT: 12.349 min Scan# 1716

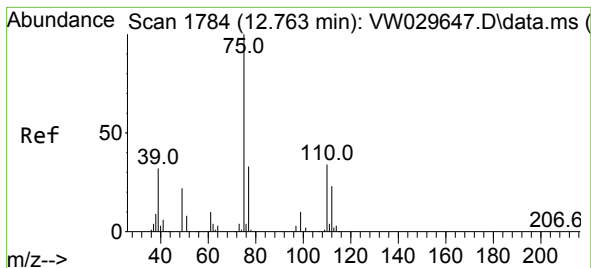
Delta R.T. -0.000 min

Lab File: VW029658.D

Acq: 19 Jul 2024 15:58

Tgt Ion:	173	Resp:	12873
Ion Ratio	Lower	Upper	
173	100		
175	49.2	40.4	60.6
254	10.6	8.8	13.2





#61

1,2,3-Trichloropropane

Concen: 37.117 ug/L

RT: 12.763 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029658.D

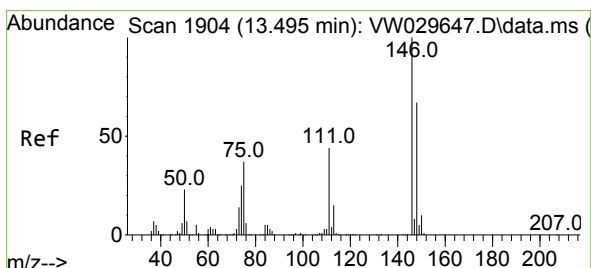
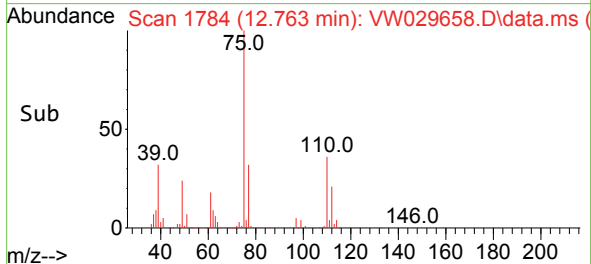
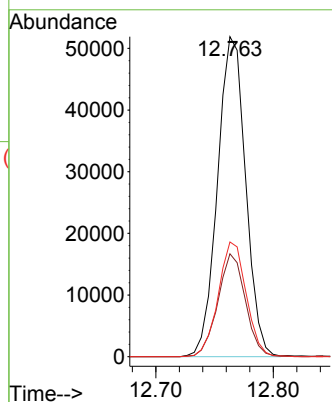
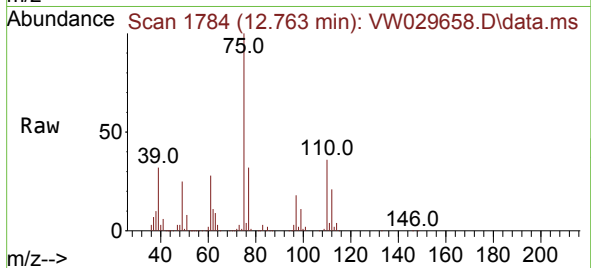
Acq: 19 Jul 2024 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 86333
Ion Ratio	Lower Upper
75	100
77	31.4 25.5 38.3
110	35.6 29.1 43.7



#64

1,3-Dichlorobenzene

Concen: 21.783 ug/L

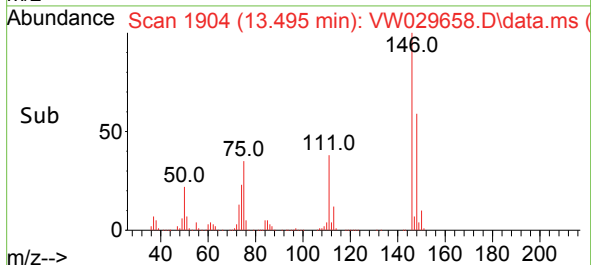
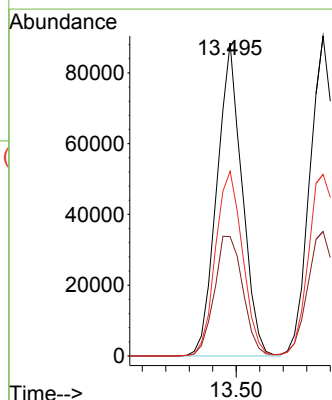
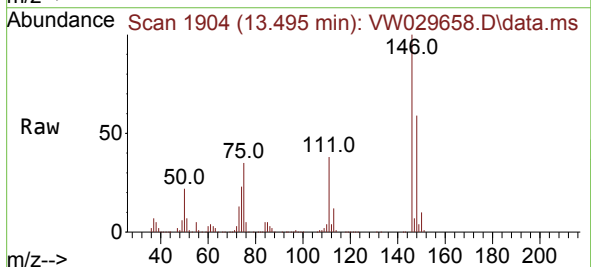
RT: 13.495 min Scan# 1904

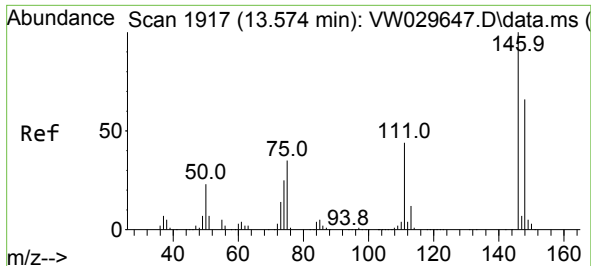
Delta R.T. -0.000 min

Lab File: VW029658.D

Acq: 19 Jul 2024 15:58

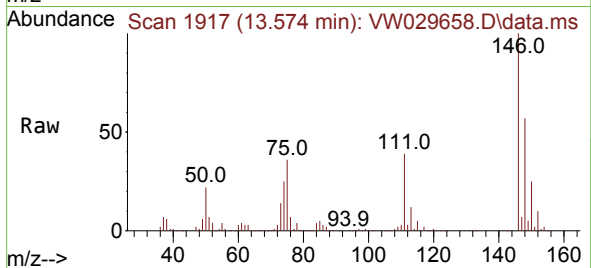
Tgt Ion: 146	Resp: 132034
Ion Ratio	Lower Upper
146	100
111	38.1 28.6 53.2
148	59.1 43.0 80.0



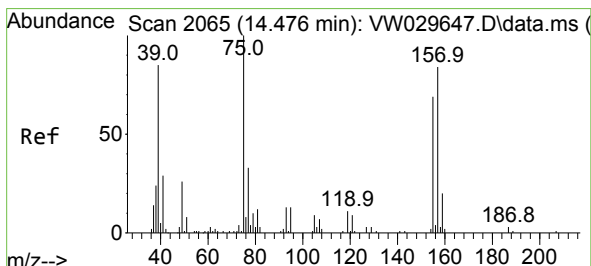
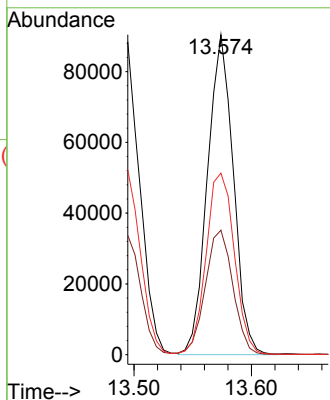
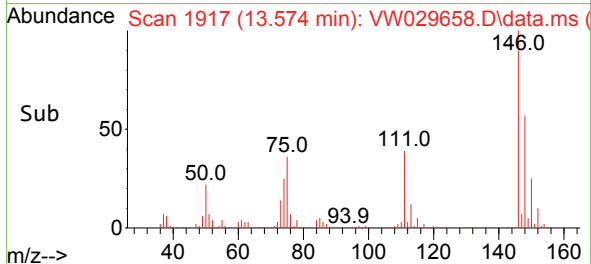


#65
1,4-Dichlorobenzene
Concen: 22.351 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Instrument :
MSVOA_W
ClientSampleId :

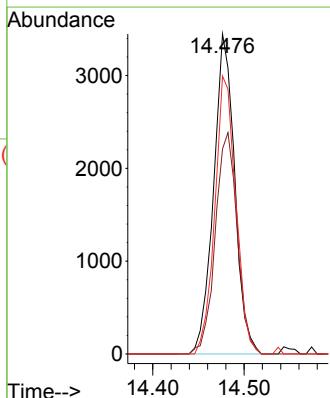
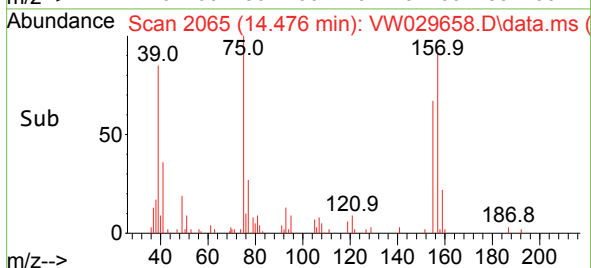
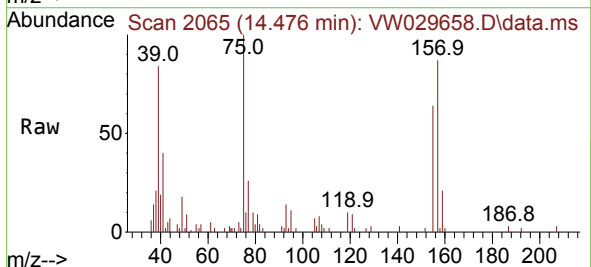


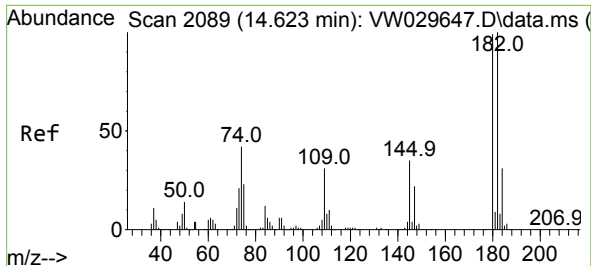
Tgt Ion:146 Resp: 138790
Ion Ratio Lower Upper
146 100
111 38.9 27.6 51.4
148 56.7 40.9 75.9



#68
1,2-Dibromo-3-chloropropane
Concen: 9.952 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

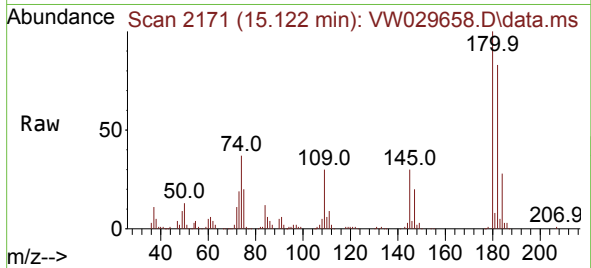
Tgt Ion: 75 Resp: 5534
Ion Ratio Lower Upper
75 100
155 64.0 51.2 76.8
157 86.8 63.7 95.5



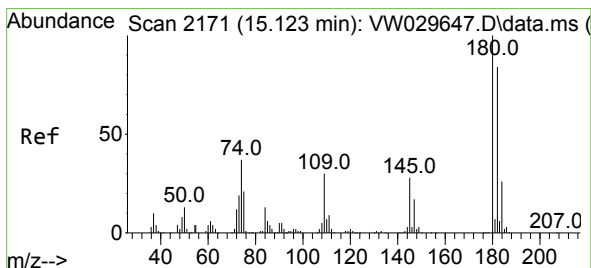
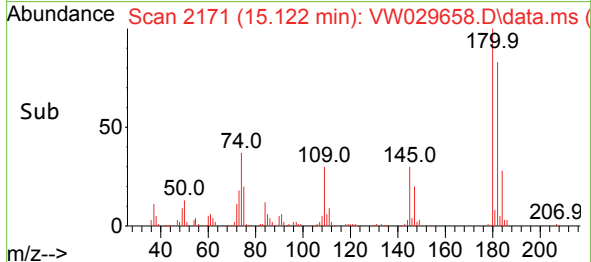
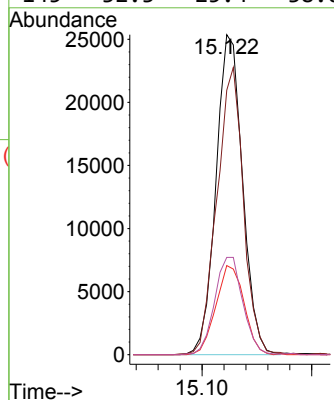


#69
 1,3,5-Trichlorobenzene
 Concen: 10.809 ug/L
 RT: 15.122 min Scan# 2171
 Delta R.T. 0.500 min
 Lab File: VW029658.D
 Acq: 19 Jul 2024 15:58

Instrument :
 MSVOA_W
 ClientSampleId :

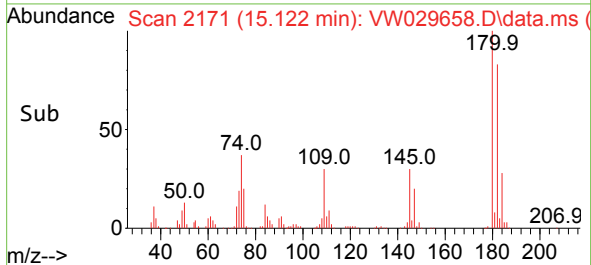
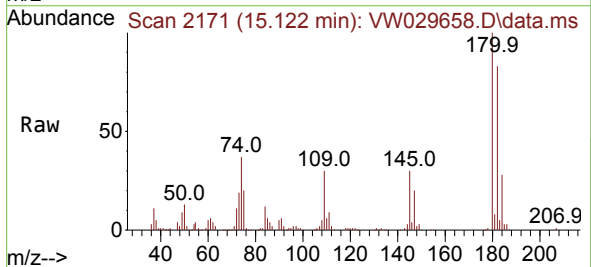
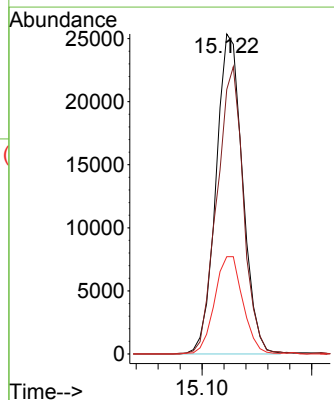


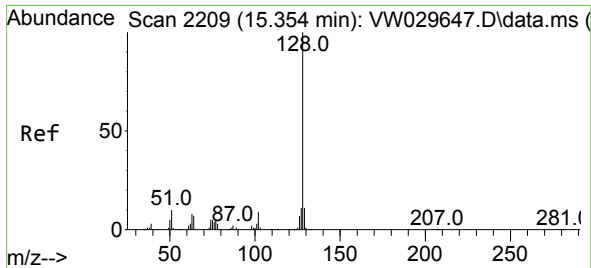
Tgt Ion:180 Resp: 42739
 Ion Ratio Lower Upper
 180 100
 182 89.2 77.9 116.9
 184 29.5 24.4 36.6
 145 32.3 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 12.284 ug/L
 RT: 15.122 min Scan# 2171
 Delta R.T. -0.000 min
 Lab File: VW029658.D
 Acq: 19 Jul 2024 15:58

Tgt Ion:180 Resp: 42739
 Ion Ratio Lower Upper
 180 100
 182 89.2 74.7 112.1
 145 32.3 26.2 39.2





#71
Naphthalene
Concen: 37.364 ug/L
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW029658.D
Acq: 19 Jul 2024 15:58

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 272860
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 9.0 13.4

