

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071724\
 Data File : VW029609.D
 Acq On : 17 Jul 2024 11:15
 Operator : SY/MD
 Sample : P3263-23
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 18 02:19:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 18 02:17:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	236499	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	214369	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	104821	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	77277	20.227	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.920%
7) Chloroethane-d5	2.899	69	60616	22.035	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.120%
11) 1,1-Dichloroethene-d2	4.021	65	38187	22.259	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.040%
21) 2-Butanone-d5	7.075	46	50257	43.822	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.640%
24) Chloroform-d	7.648	84	192148	28.104	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.400%
26) 1,2-Dichloroethane-d4	8.301	65	98547	24.574	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.280%
32) Benzene-d6	8.270	84	312793	24.357	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.440%
36) 1,2-Dichloropropane-d6	9.270	67	105309	25.647	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.600%
41) Toluene-d8	10.319	98	285951	25.319	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.280%
43) trans-1,3-Dichloroprop...	10.575	79	40869	23.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.000%
47) 2-Hexanone-d5	10.922	63	34335	46.019	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.040%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	83788	25.133	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.520%
66) 1,2-Dichlorobenzene-d4	13.848	152	92120	25.235	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.960%
Target Compounds						
					Qvalue	
13) Acetone	4.119	43	136664	118.064	ug/L	99
16) Methylene chloride	4.917	84	153576	36.271	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	292535	89.849	ug/L	92
18) Methyl tert-butyl Ether	5.423	73	284182	51.300	ug/L	100
19) 1,1-Dichloroethane	6.216	63	419489	62.738	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	302156	84.869	ug/L	91
22) 2-Butanone	7.167	43	123986	81.590	ug/L	99
25) Chloroform	7.673	83	629445	97.294	ug/L	99
27) 1,2-Dichloroethane	8.398	62	116968	24.105	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	2408	0.492	ug/L #	82
31) Carbon tetrachloride	8.069	117	64237	14.329	ug/L	98
33) Benzene	8.319	78	908920	67.767	ug/L	100
34) Trichloroethene	9.087	95	343043	96.853	ug/L	94
37) 1,2-Dichloropropane	9.368	63	183256	49.410	ug/L	100
38) Bromodichloromethane	9.642	83	298453	65.880	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	407500	73.151	ug/L	99
40) 4-Methyl-2-pentanone	10.203	43	559063	213.879	ug/L	99
42) Toluene	10.386	91	1086931	79.215	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	45239	9.475	ug/L	100

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

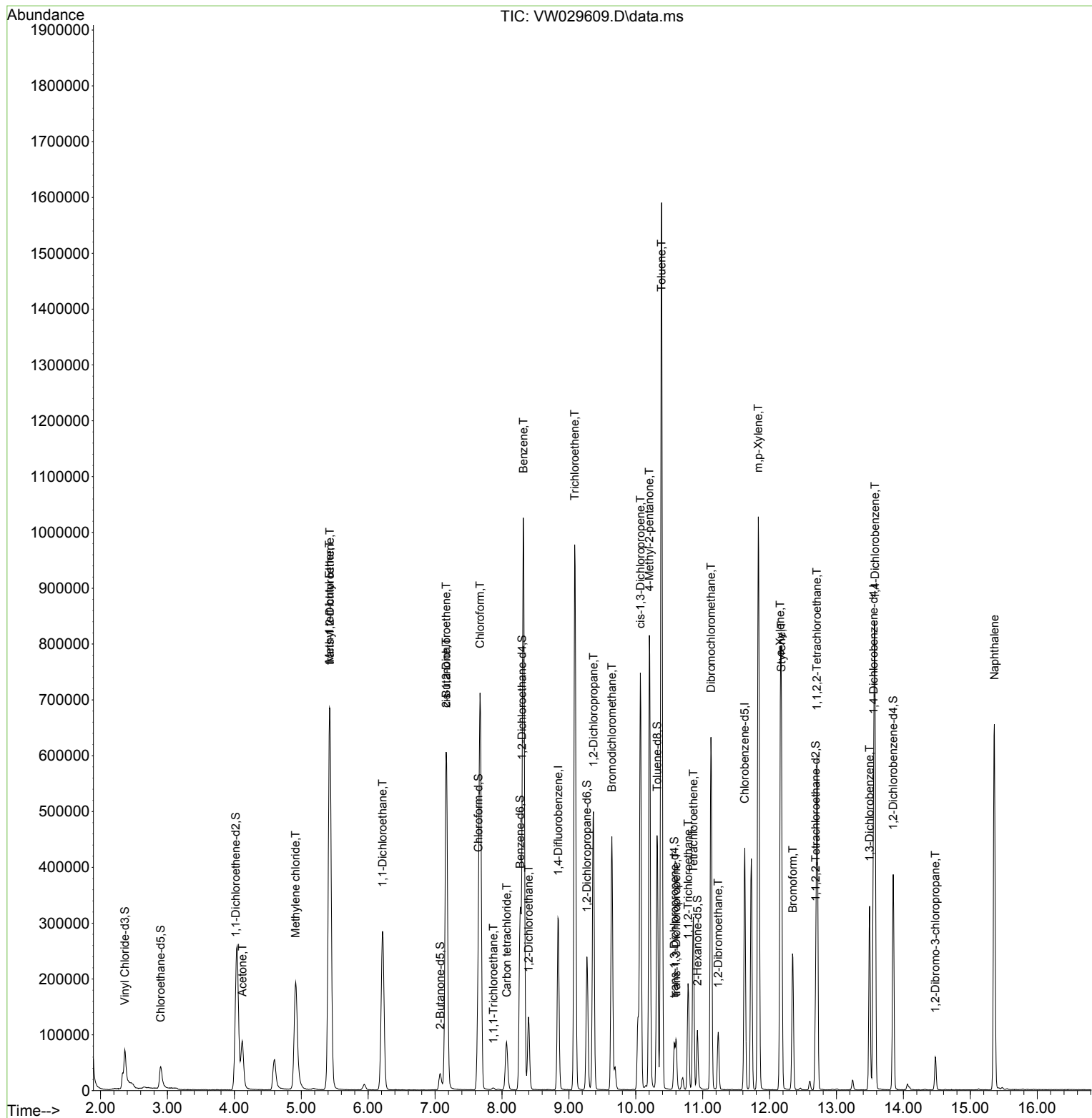
45) 1,1,2-Trichloroethane	10.782	97	56591	21.216	ug/L	98
46) Tetrachloroethene	10.861	164	61507	24.443	ug/L	85
49) Dibromochloromethane	11.123	129	315310	113.587	ug/L	98
50) 1,2-Dibromoethane	11.233	107	67675	26.624	ug/L	97
53) m,p-Xylene	11.831	106	289819	50.784	ug/L	96
54) o-Xylene	12.160	106	134657	25.511	ug/L	96
55) Styrene	12.178	104	230034	24.784	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	282349	83.916	ug/L	95
59) Bromoform	12.349	173	106683	65.933	ug/L	93
64) 1,3-Dichlorobenzene	13.495	146	117409	17.760	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	268790	39.688	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	15327	25.273	ug/L	92
71) Naphthalene	15.360	128	517555	64.981	ug/L	99

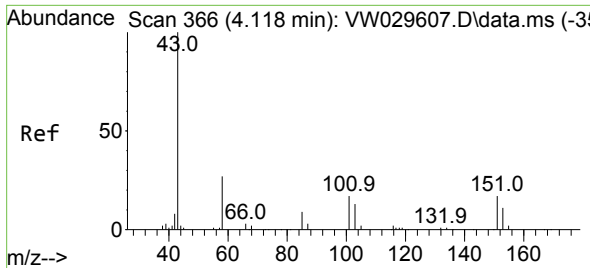
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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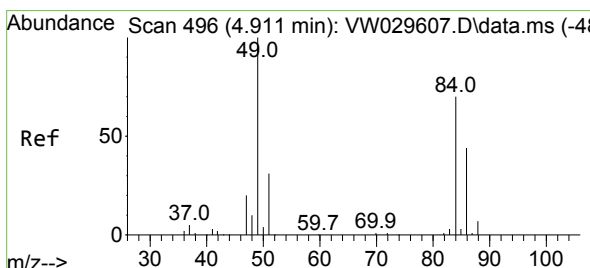
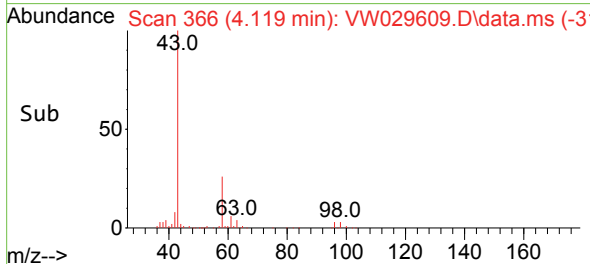
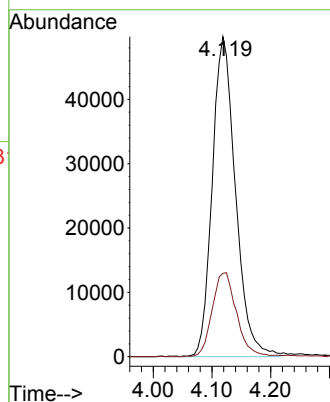
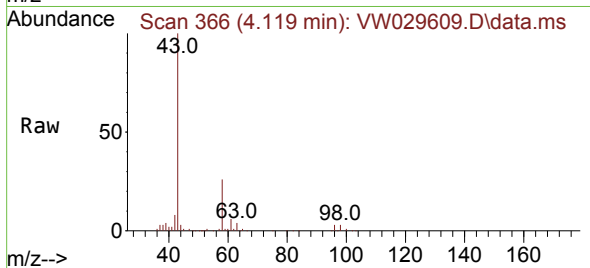




#13
Acetone
Concen: 118.064 ug/L
RT: 4.119 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

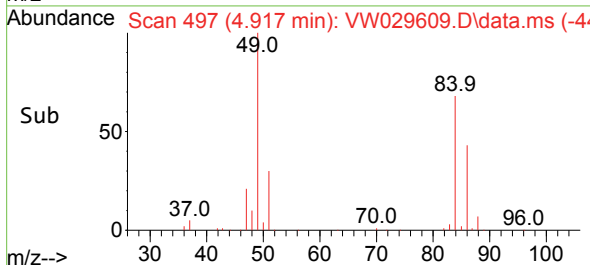
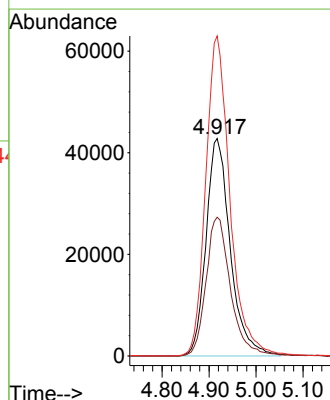
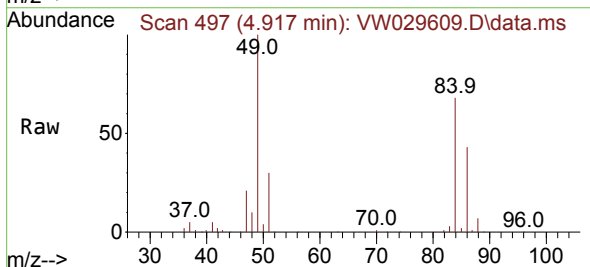
Instrument :
MSVOA_W
ClientSampleId :

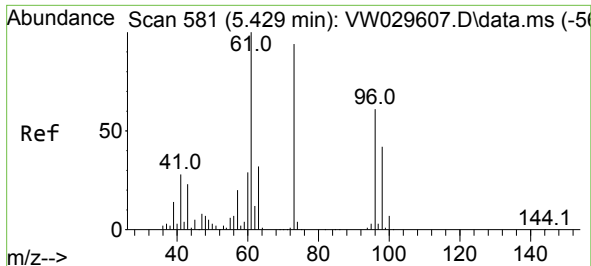
Tgt Ion: 43 Resp: 136664
Ion Ratio Lower Upper
43 100
58 27.1 0.0 55.6



#16
Methylene chloride
Concen: 36.271 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

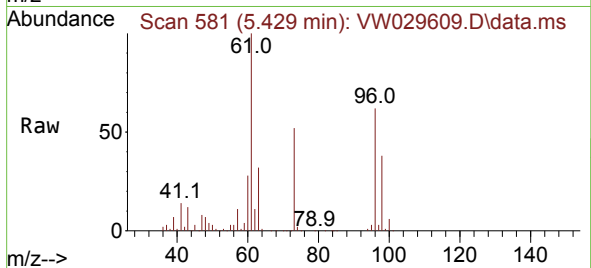
Tgt Ion: 84 Resp: 153576
Ion Ratio Lower Upper
84 100
86 63.7 46.2 85.8
49 147.1 96.7 179.7



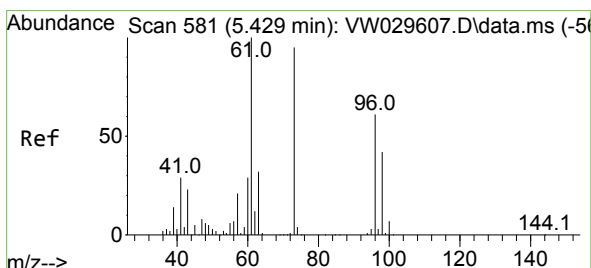
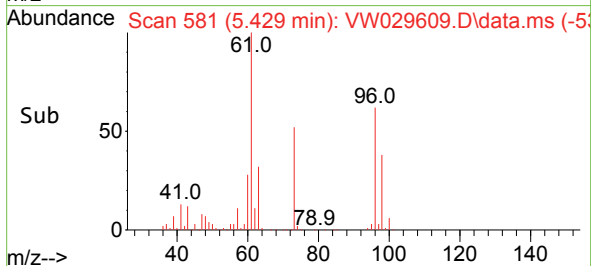
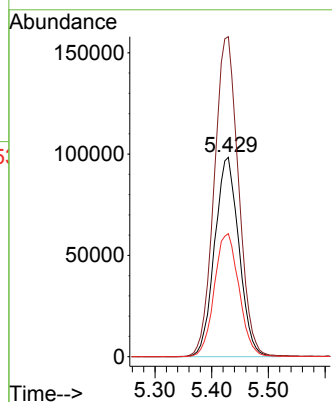


#17
trans-1,2-Dichloroethene
Concen: 89.849 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Instrument :
MSVOA_W
ClientSampleId :

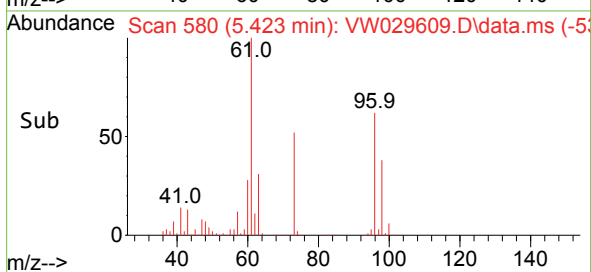
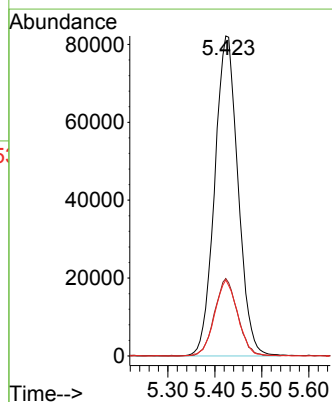
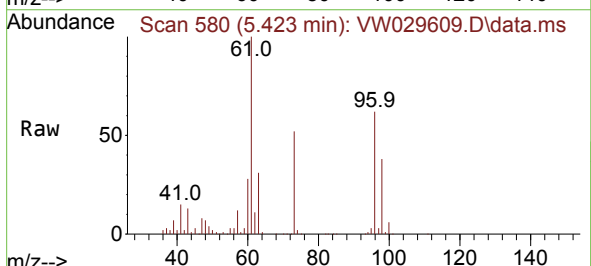


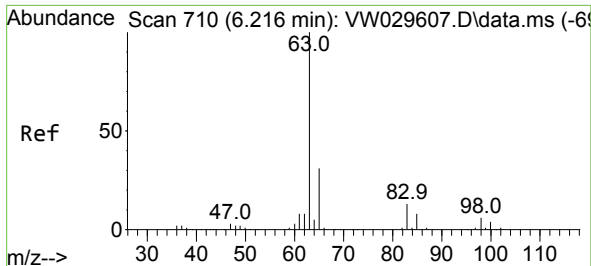
Tgt Ion: 96 Resp: 292535
Ion Ratio Lower Upper
96 100
61 160.5 102.9 191.1
98 61.7 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 51.300 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 73 Resp: 284182
Ion Ratio Lower Upper
73 100
43 23.6 18.7 28.1
57 23.5 18.9 28.3





#19

1,1-Dichloroethane

Concen: 62.738 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029609.D

Acq: 17 Jul 2024 11:15

Instrument :

MSVOA_W

ClientSampleId :

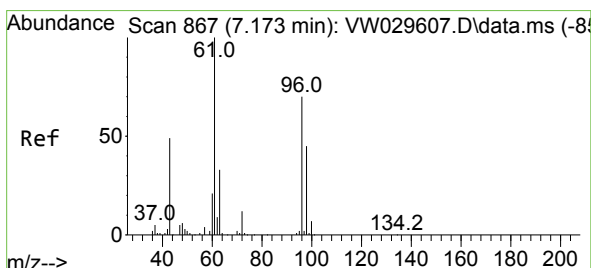
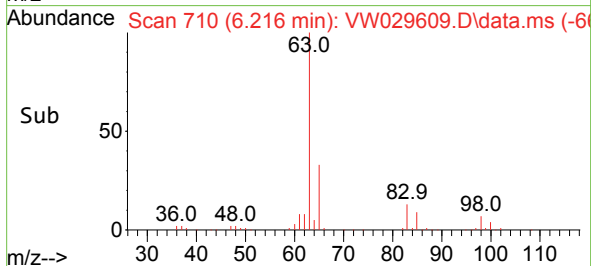
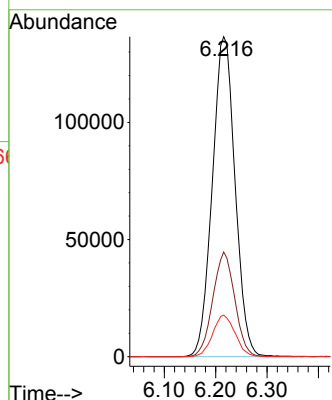
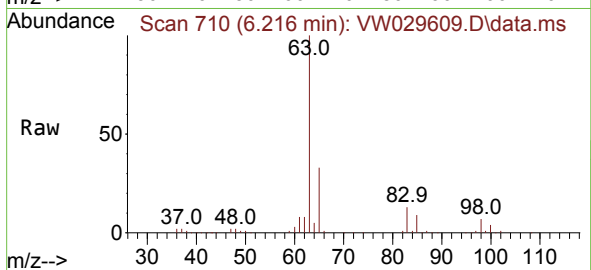
Tgt Ion: 63 Resp: 419489

Ion Ratio Lower Upper

63 100

65 32.7 21.5 39.9

83 13.0 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 84.869 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029609.D

Acq: 17 Jul 2024 11:15

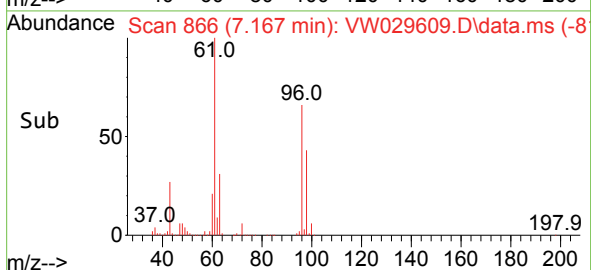
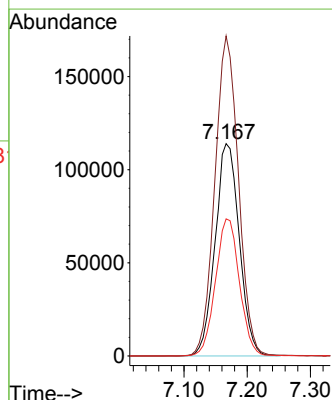
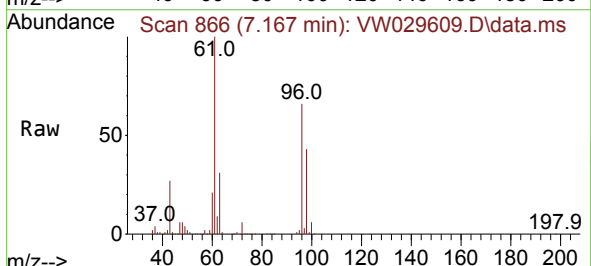
Tgt Ion: 96 Resp: 302156

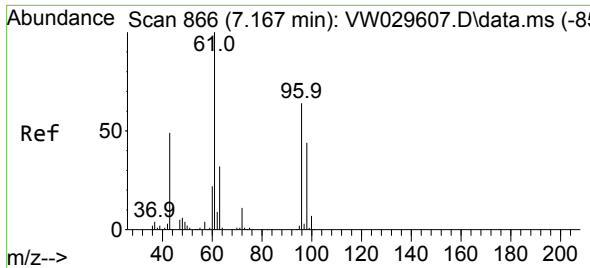
Ion Ratio Lower Upper

96 100

61 150.7 97.4 180.8

98 64.6 41.6 77.2

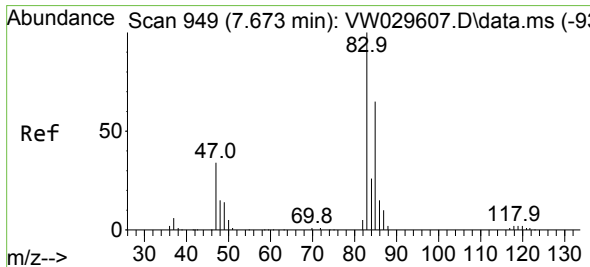
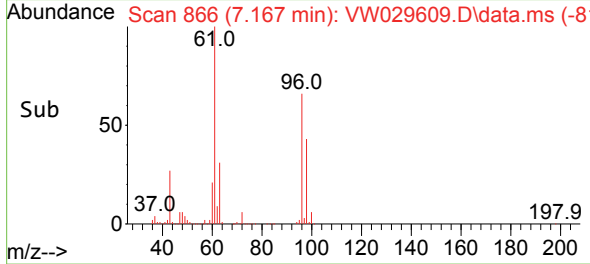
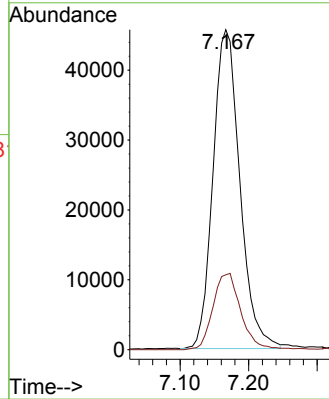
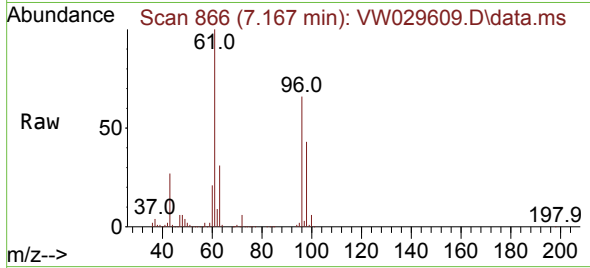




#22
2-Butanone
Concen: 81.590 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

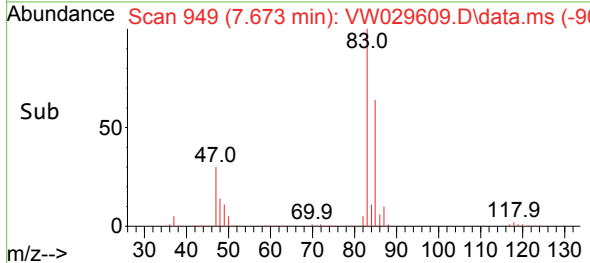
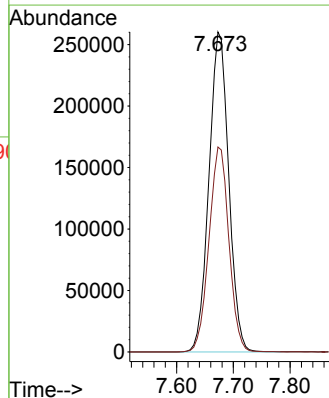
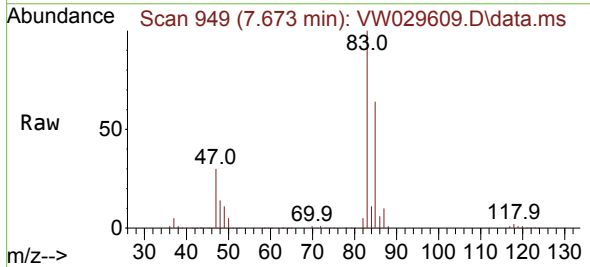
Instrument :
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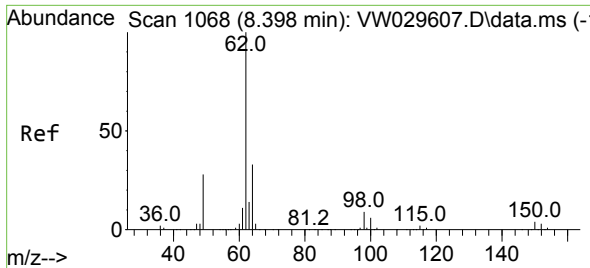
Tgt Ion: 43 Resp: 123986
Ion Ratio Lower Upper
43 100
72 24.8 12.0 36.1



#25
Chloroform
Concen: 97.294 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 83 Resp: 629445
Ion Ratio Lower Upper
83 100
85 64.1 44.1 81.9

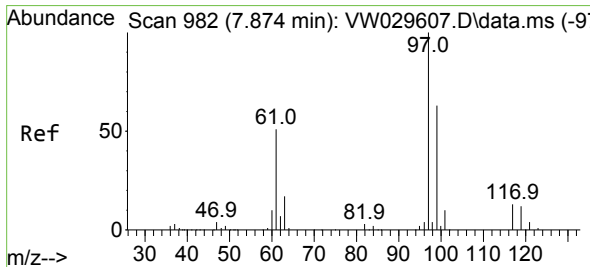
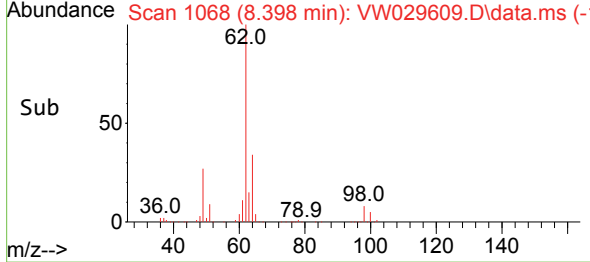
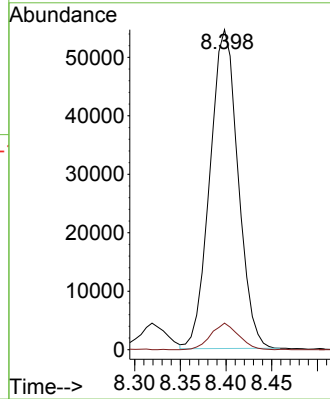
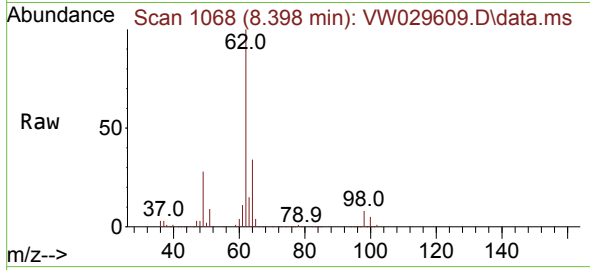




#27
1,2-Dichloroethane
Concen: 24.105 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

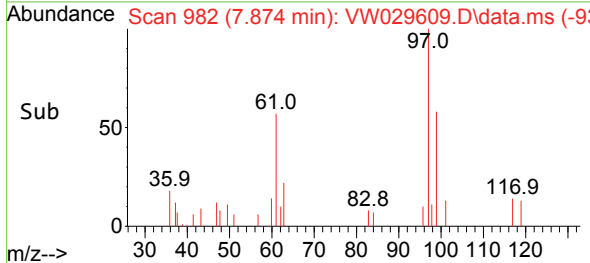
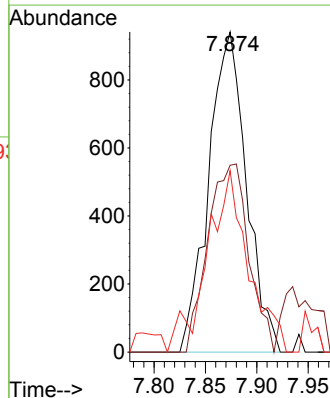
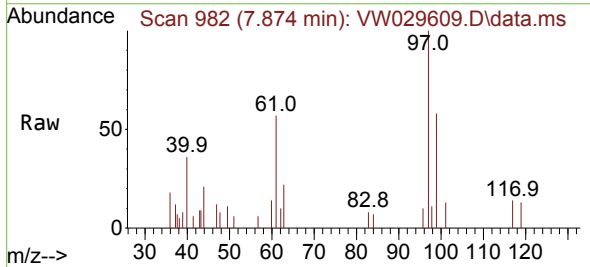
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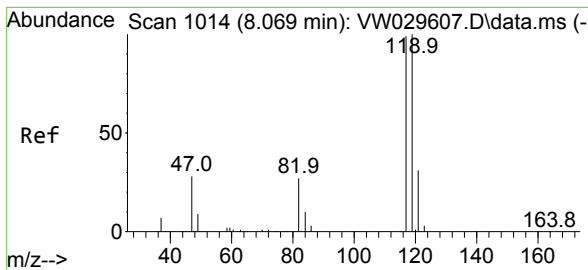
Tgt Ion: 62 Resp: 116968
Ion Ratio Lower Upper
62 100
98 8.3 6.0 9.0



#30
1,1,1-Trichloroethane
Concen: 0.492 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 97 Resp: 2408
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 23.7 40.6 61.0#

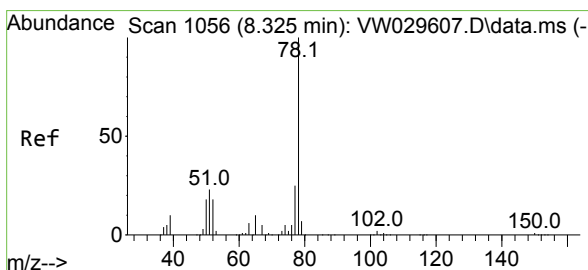
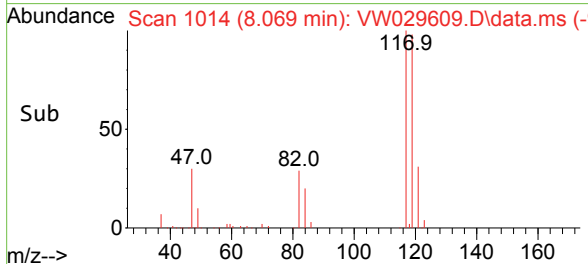
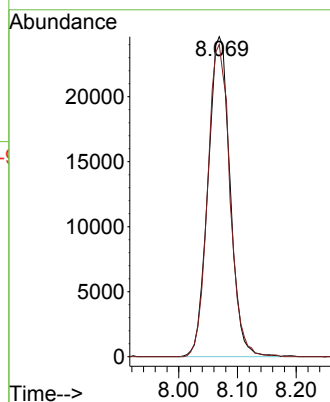
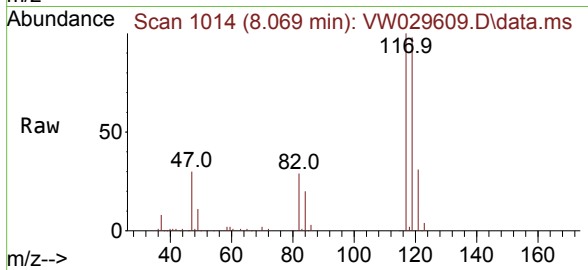




#31
Carbon tetrachloride
Concen: 14.329 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

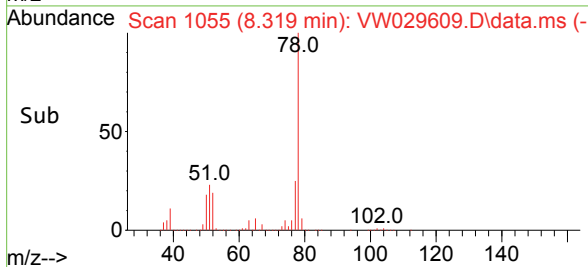
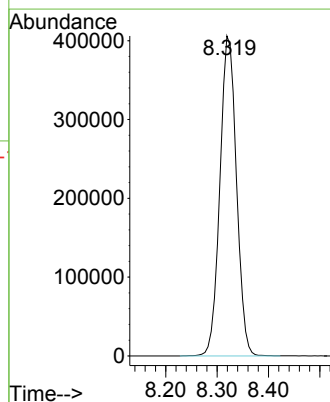
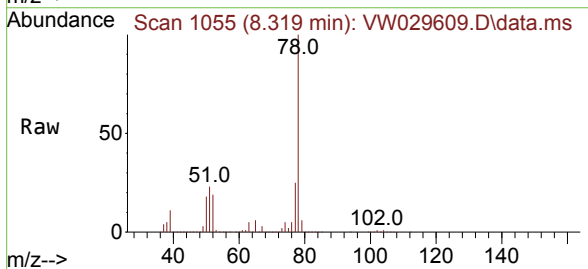
Instrument :
MSVOA_W
ClientSampleId :

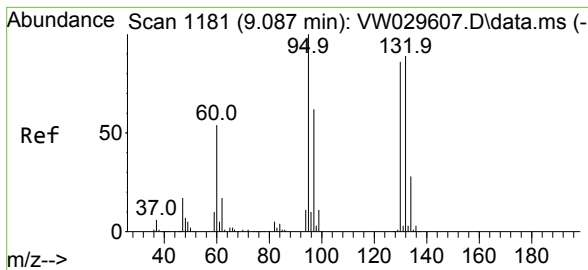
Tgt Ion:117 Resp: 64237
Ion Ratio Lower Upper
117 100
119 98.2 77.0 115.6



#33
Benzene
Concen: 67.767 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 78 Resp: 908920

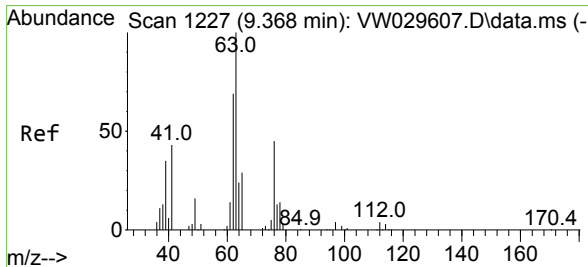
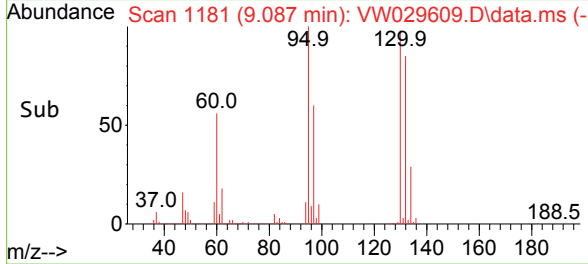
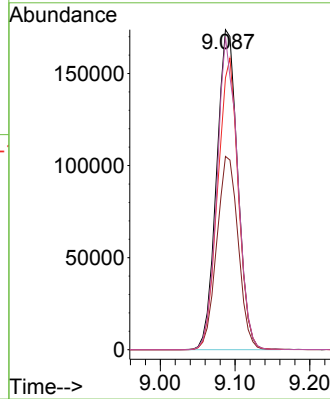
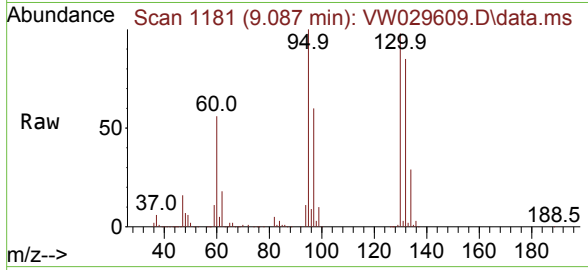




#34
Trichloroethene
Concen: 96.853 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

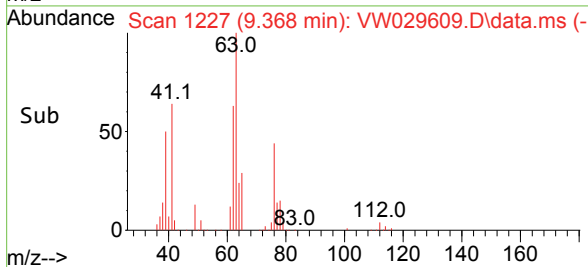
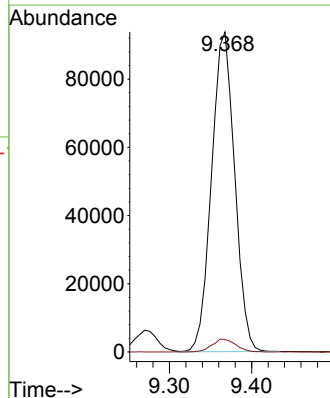
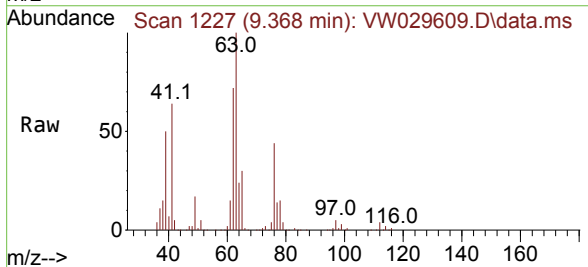
Instrument :
MSVOA_W
ClientSampleId :

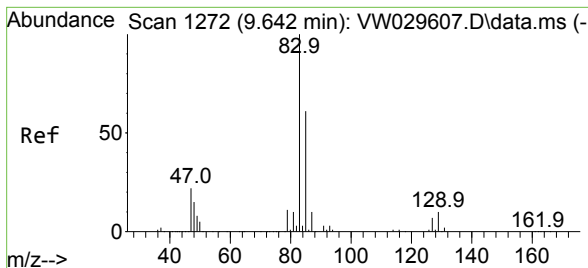
Tgt Ion: 95 Resp: 343043
Ion Ratio Lower Upper
95 100
97 60.4 47.3 87.9
132 84.9 65.8 122.2
130 97.8 67.8 125.8



#37
1,2-Dichloropropane
Concen: 49.410 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 63 Resp: 183256
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9





#38

Bromodichloromethane

Concen: 65.880 ug/L

RT: 9.642 min Scan# 11

Delta R.T. 0.000 min

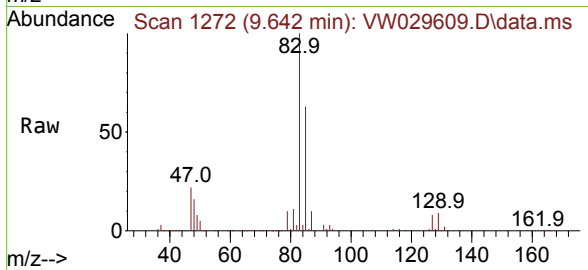
Lab File: VW029609.D

Acq: 17 Jul 2024 11:15

Instrument :

MSVOA_W

ClientSampleId :



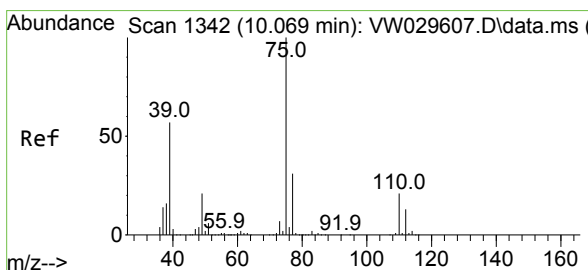
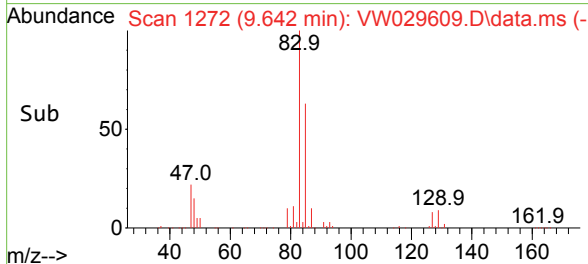
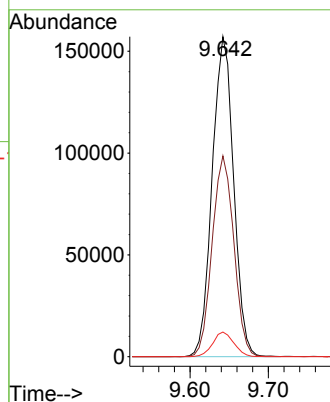
Tgt Ion: 83 Resp: 298453

Ion Ratio Lower Upper

83 100

85 62.8 46.1 85.5

127 7.7 6.1 9.1



#39

cis-1,3-Dichloropropene

Concen: 73.151 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW029609.D

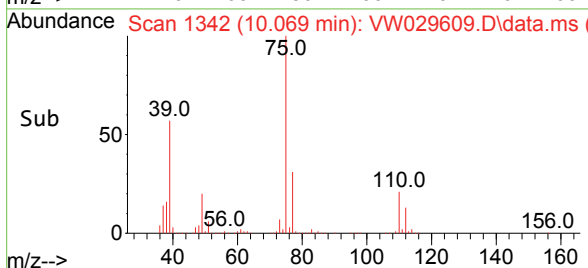
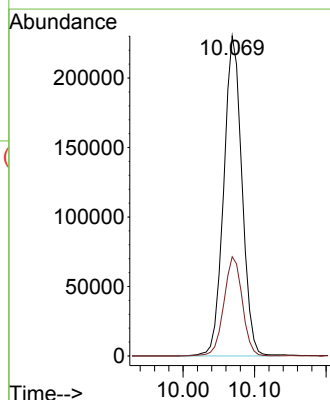
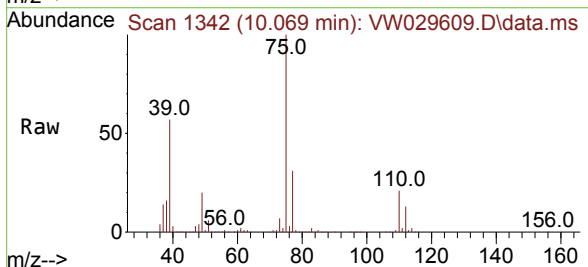
Acq: 17 Jul 2024 11:15

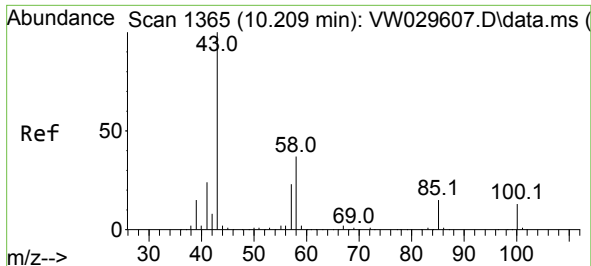
Tgt Ion: 75 Resp: 407500

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2

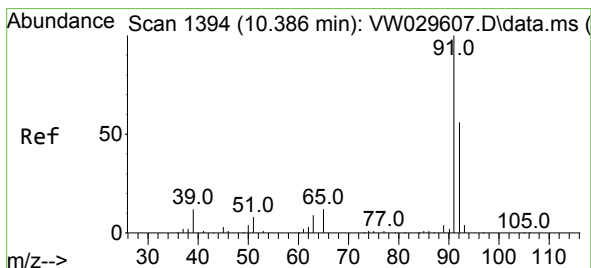
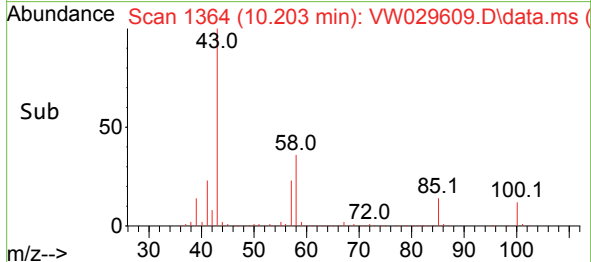
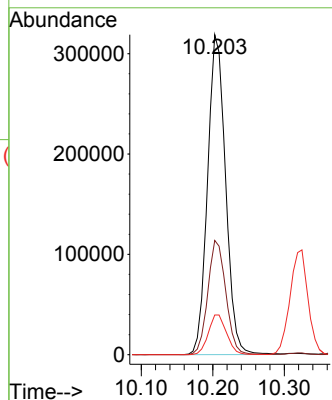
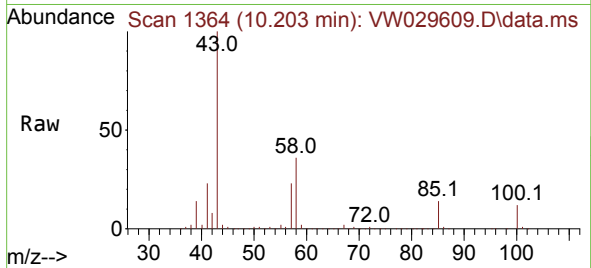




#40
4-Methyl-2-pentanone
Concen: 213.879 ug/L
RT: 10.203 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

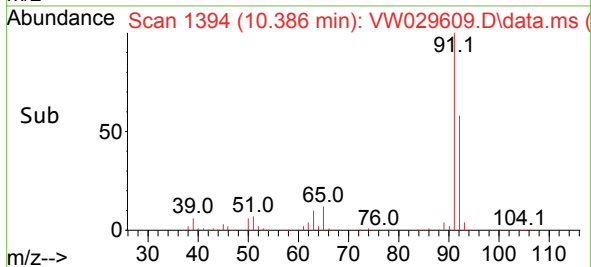
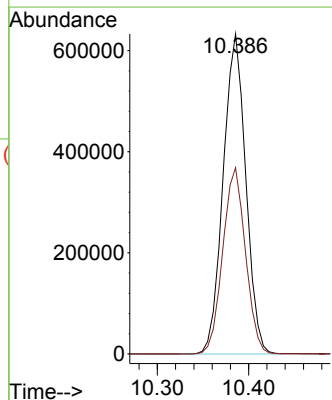
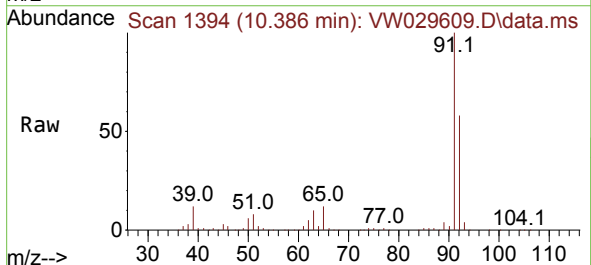
Instrument :
MSVOA_W
ClientSampleId :

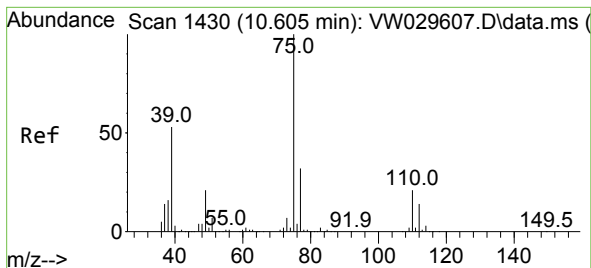
Tgt Ion: 43 Resp: 559063
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.6
100 12.6 10.5 15.7



#42
Toluene
Concen: 79.215 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 91 Resp: 1086931
Ion Ratio Lower Upper
91 100
92 58.2 41.1 76.3

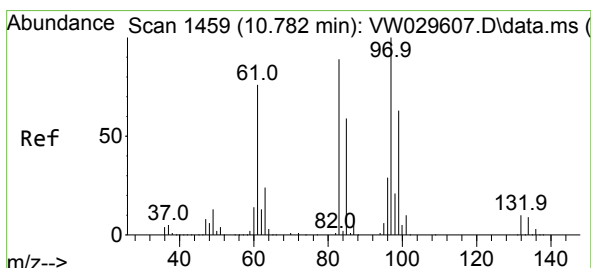
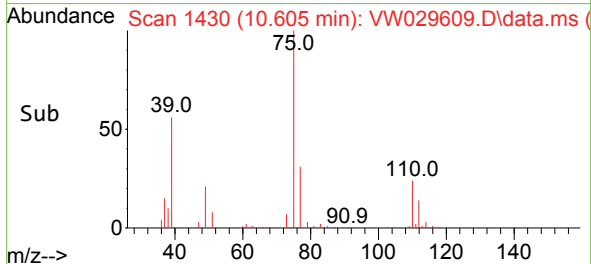
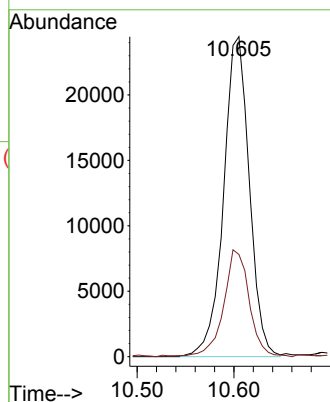
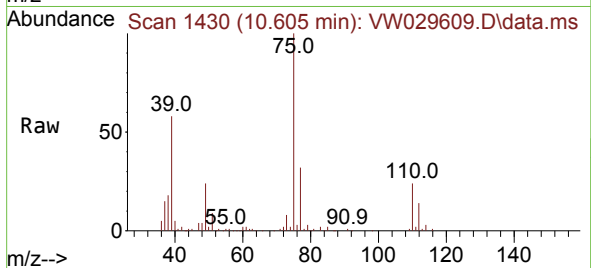




#44
trans-1,3-Dichloropropene
Concen: 9.475 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

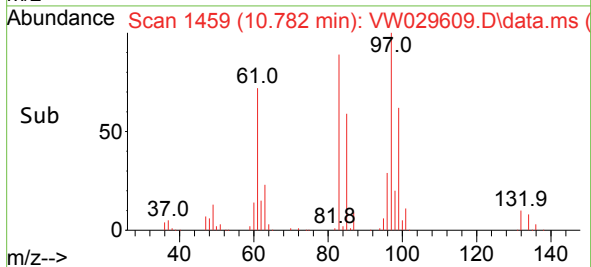
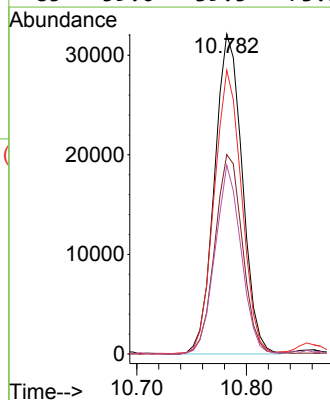
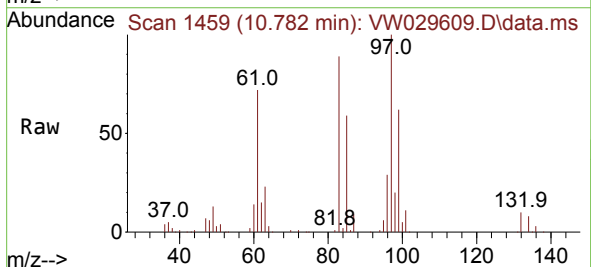
Instrument :
MSVOA_W
ClientSampleId :

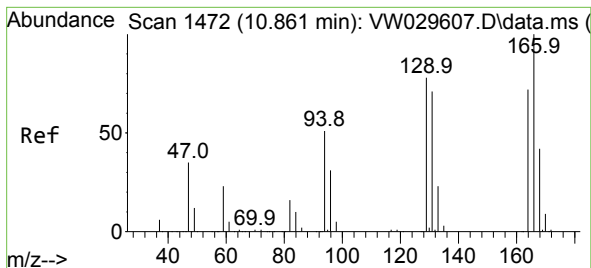
Tgt Ion: 75 Resp: 45239
Ion Ratio Lower Upper
75 100
77 31.9 22.4 41.6



#45
1,1,2-Trichloroethane
Concen: 21.216 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion: 97 Resp: 56591
Ion Ratio Lower Upper
97 100
99 62.3 43.8 81.4
83 88.7 60.3 111.9
85 59.0 39.5 73.3





#46

Tetrachloroethene

Concen: 24.443 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

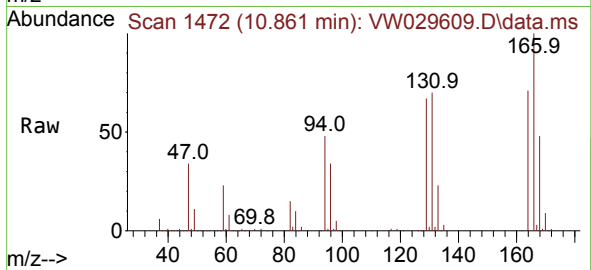
Lab File: VW029609.D

Acq: 17 Jul 2024 11:15

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 61507

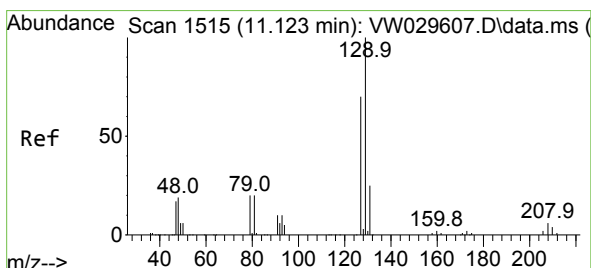
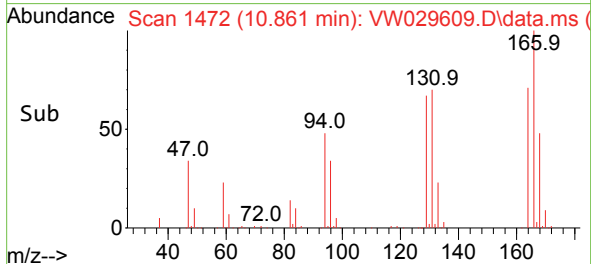
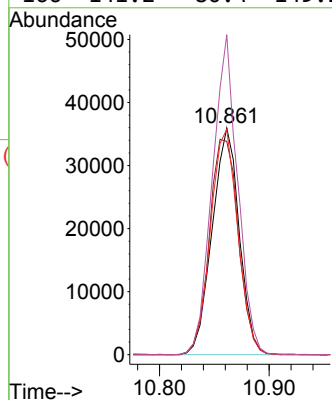
Ion Ratio Lower Upper

164 100

129 94.1 60.0 111.4

131 99.5 64.6 120.0

166 141.2 80.4 149.2



#49

Dibromochloromethane

Concen: 113.587 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW029609.D

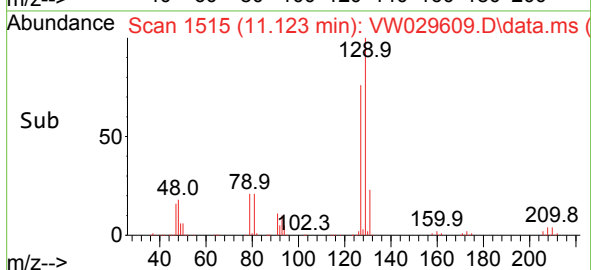
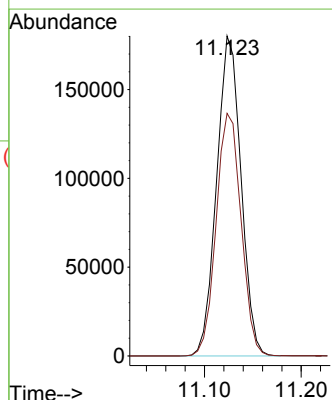
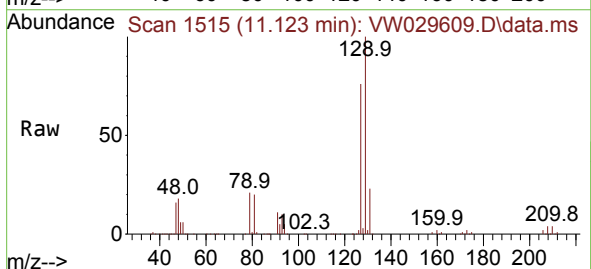
Acq: 17 Jul 2024 11:15

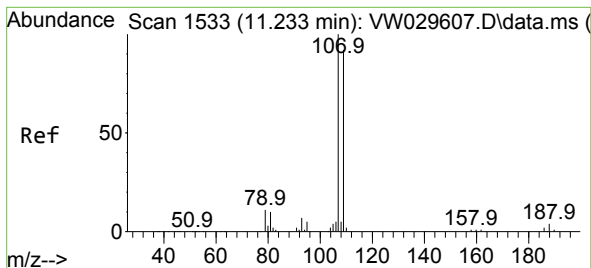
Tgt Ion:129 Resp: 315310

Ion Ratio Lower Upper

129 100

127 75.8 51.9 96.3

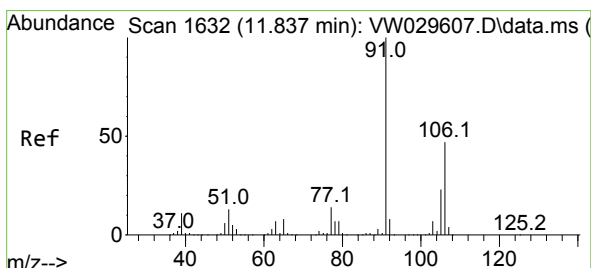
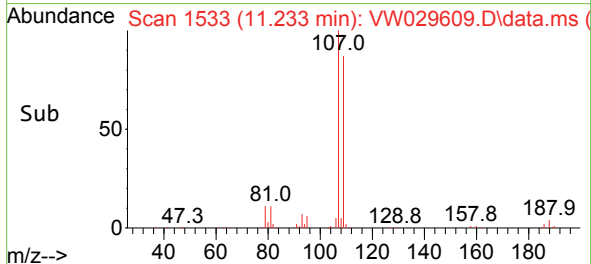
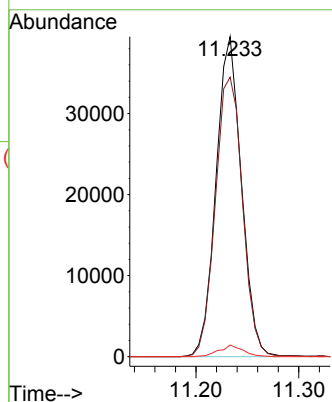
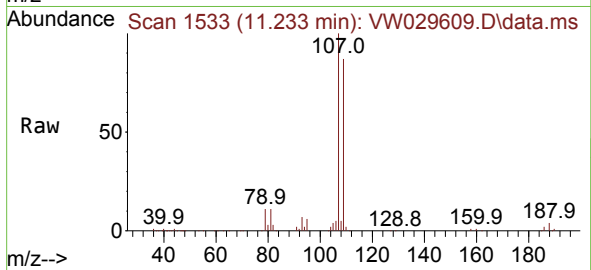




#50
1,2-Dibromoethane
Concen: 26.624 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

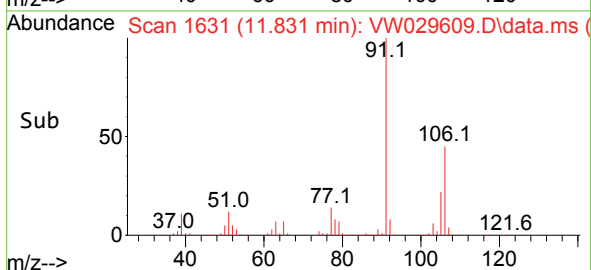
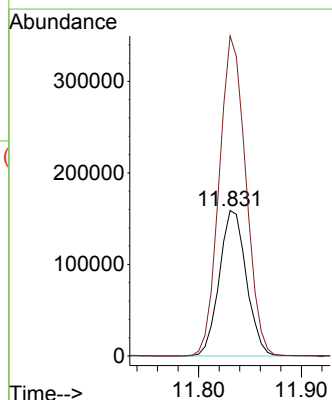
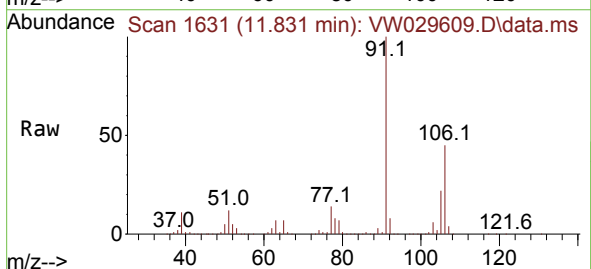
Instrument :
MSVOA_W
ClientSampleId :

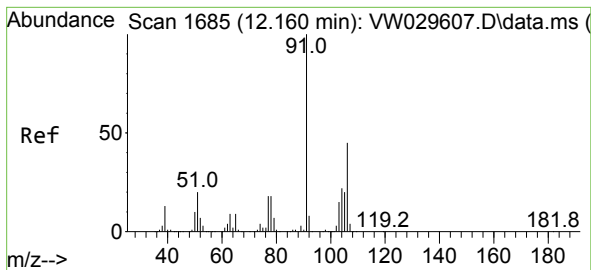
Tgt Ion:107 Resp: 67675
Ion Ratio Lower Upper
107 100
109 87.4 63.2 117.4
188 3.6 2.9 4.3



#53
m,p-Xylene
Concen: 50.784 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion:106 Resp: 289819
Ion Ratio Lower Upper
106 100
91 220.0 149.3 277.3

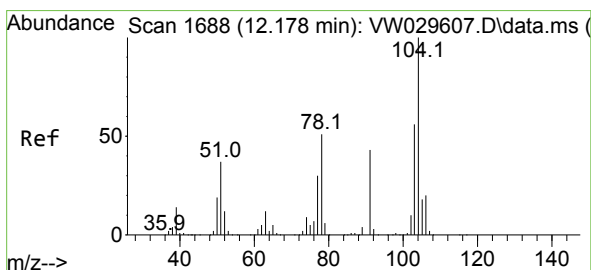
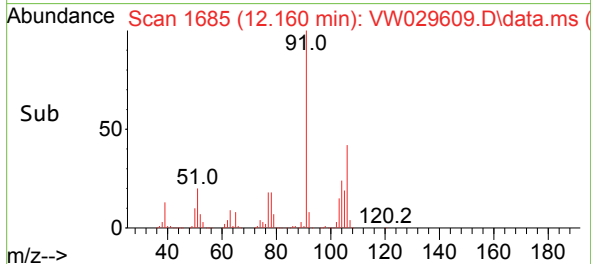
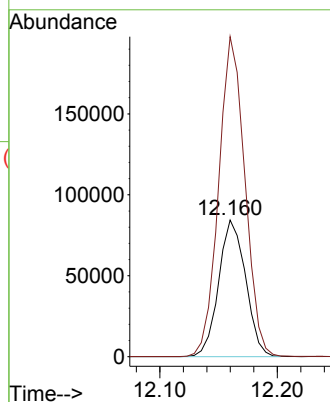
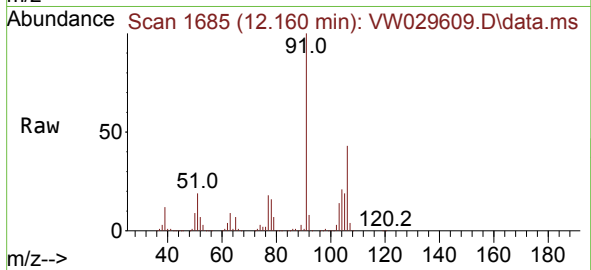




#54
o-Xylene
Concen: 25.511 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

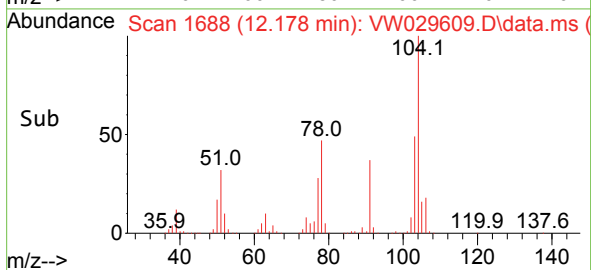
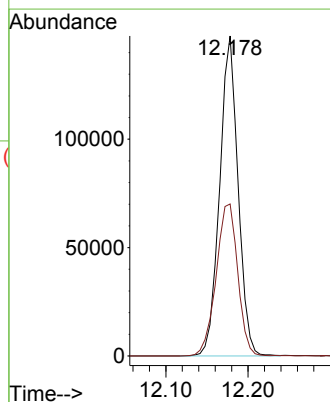
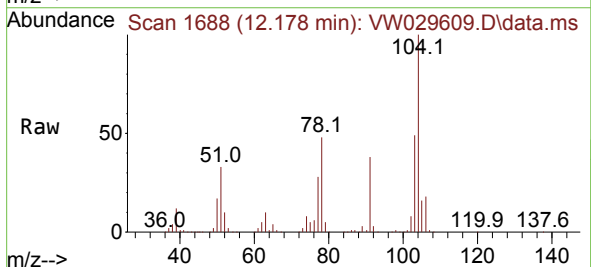
Instrument :
MSVOA_W
ClientSampleId :

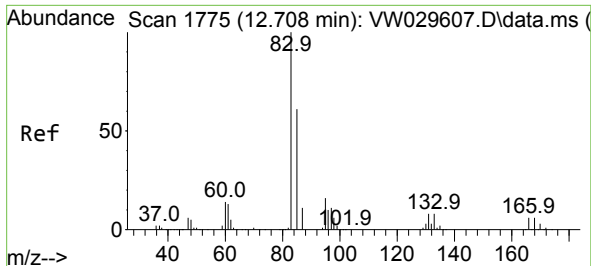
Tgt Ion:106 Resp: 134657
Ion Ratio Lower Upper
106 100
91 234.2 159.2 295.6



#55
Styrene
Concen: 24.784 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Tgt Ion:104 Resp: 230034
Ion Ratio Lower Upper
104 100
78 47.5 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 83.916 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW029609.D

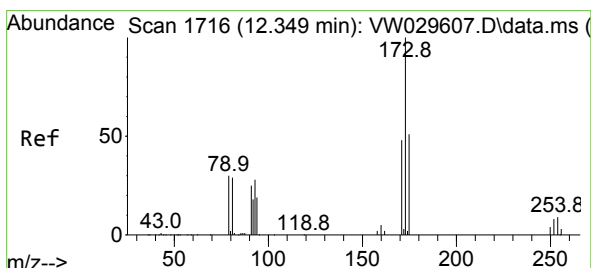
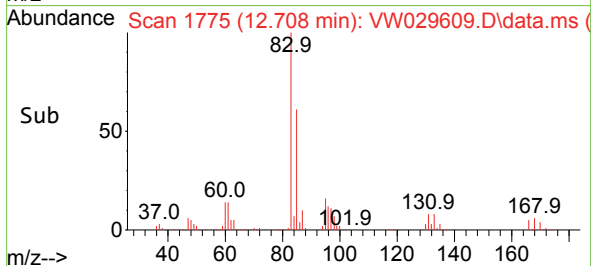
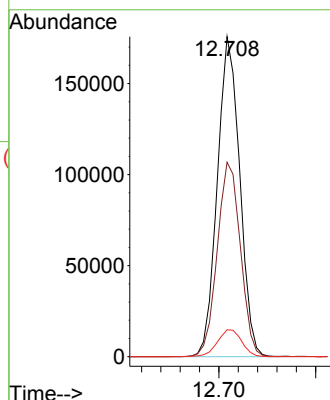
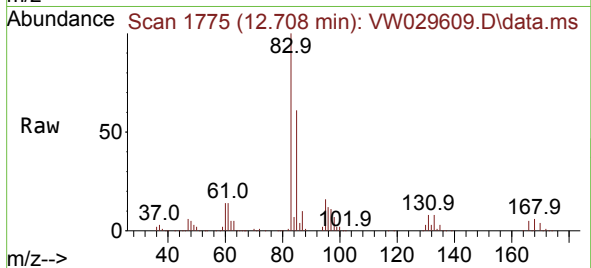
Acq: 17 Jul 2024 11:15

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	282349
Ion	Ratio	Lower	Upper
83	100		
85	60.7	45.4	84.4
131	8.4	6.4	9.6



#59

Bromoform

Concen: 65.933 ug/L

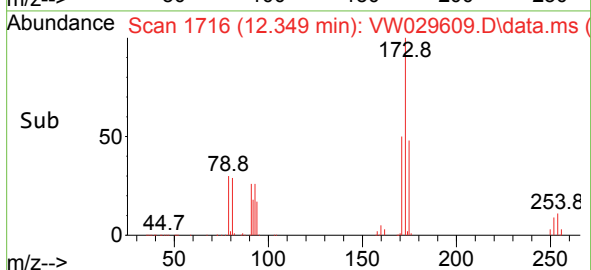
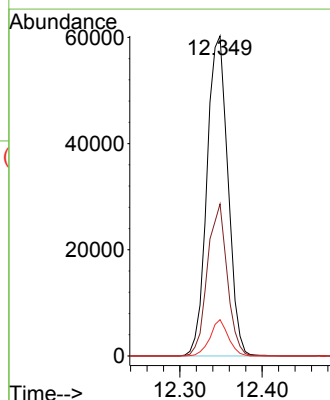
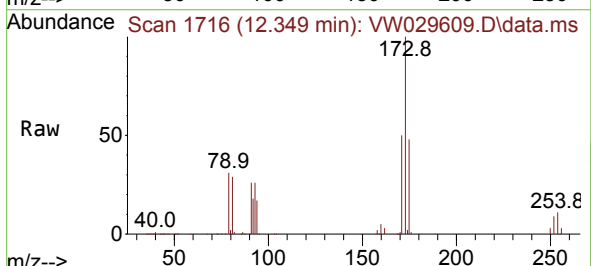
RT: 12.349 min Scan# 1716

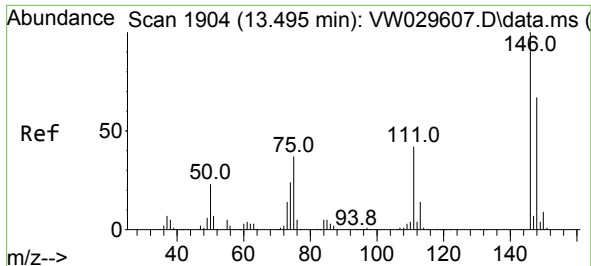
Delta R.T. 0.000 min

Lab File: VW029609.D

Acq: 17 Jul 2024 11:15

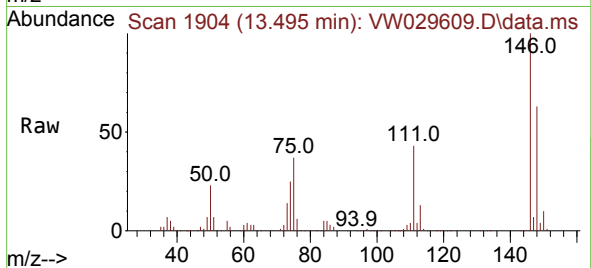
Tgt Ion:	173	Resp:	106683
Ion	Ratio	Lower	Upper
173	100		
175	44.9	40.4	60.6
254	9.9	8.8	13.2



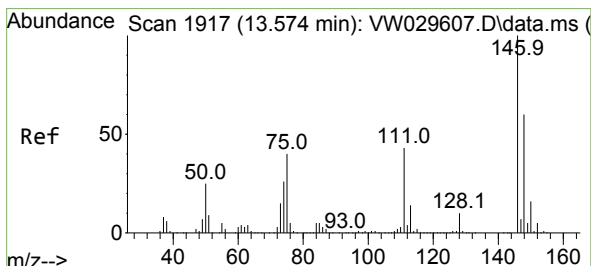
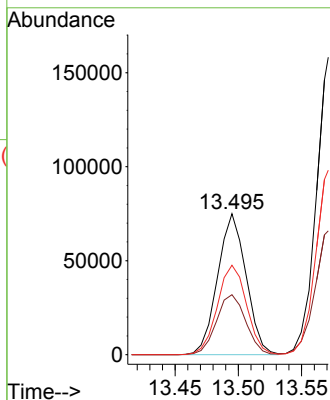
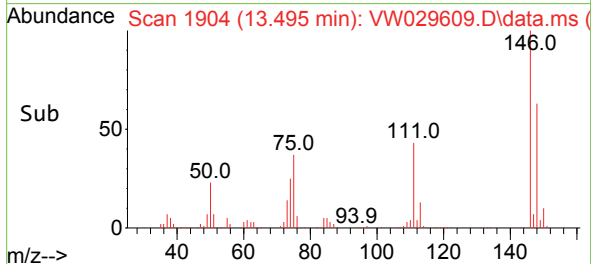


#64
1,3-Dichlorobenzene
Concen: 17.760 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

Instrument :
MSVOA_W
ClientSampleId :

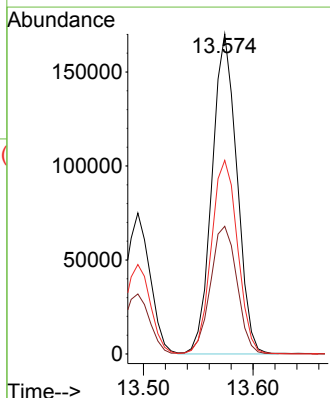
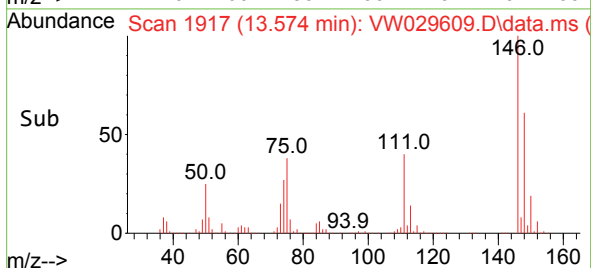
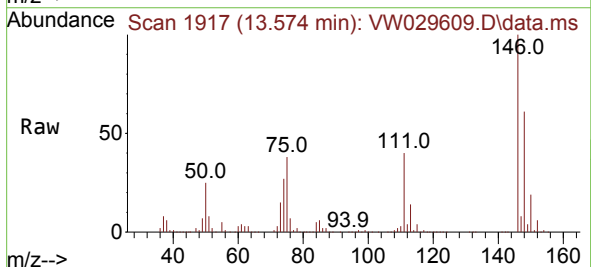


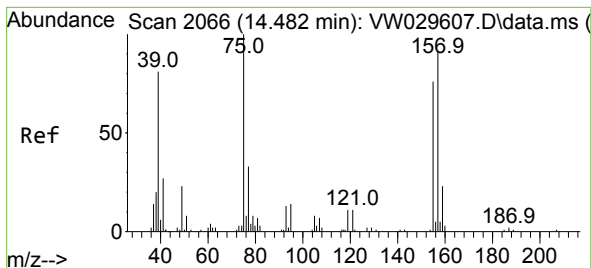
Tgt Ion:146 Resp: 117409
Ion Ratio Lower Upper
146 100
111 42.5 28.6 53.2
148 63.4 43.0 80.0



#65
1,4-Dichlorobenzene
Concen: 39.688 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

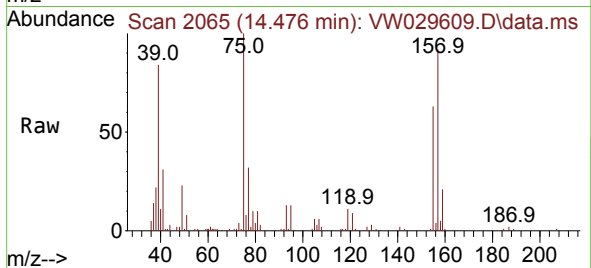
Tgt Ion:146 Resp: 268790
Ion Ratio Lower Upper
146 100
111 39.9 27.6 51.4
148 60.5 40.9 75.9



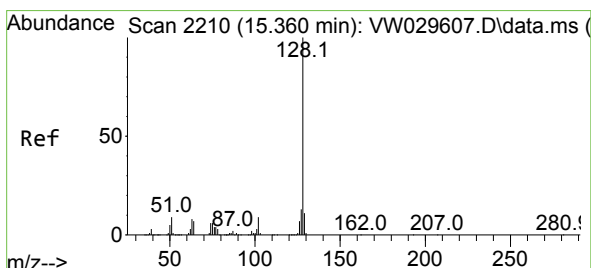
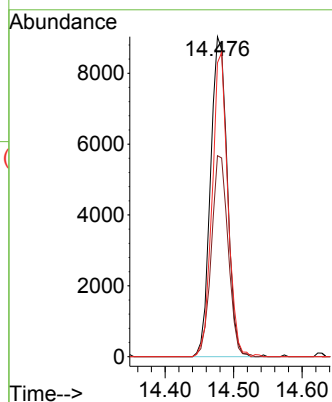
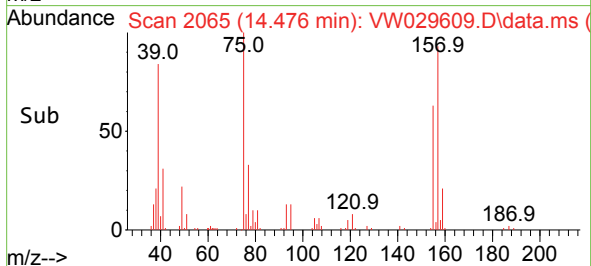


#68
1,2-Dibromo-3-chloropropane
Concen: 25.273 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15

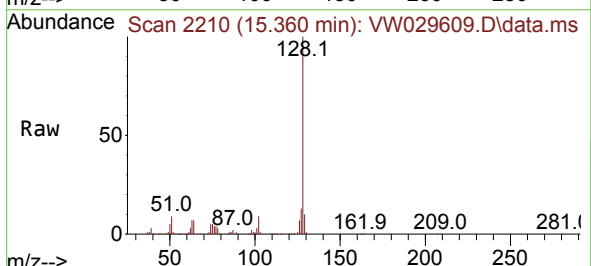
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 15327
Ion Ratio Lower Upper
75 100
155 62.8 51.2 76.8
157 91.9 63.7 95.5



#71
Naphthalene
Concen: 64.981 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW029609.D
Acq: 17 Jul 2024 11:15



Tgt Ion: 128 Resp: 517555
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 9.0 13.4

