

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071824\
 Data File : VW029628.D
 Acq On : 18 Jul 2024 12:41
 Operator : SY/MD
 Sample : P3264-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 01:13:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 19 01:07:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	223933	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	209261	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	97327	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	78855	21.798	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.200%
7) Chloroethane-d5	2.899	69	64742	24.855	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.440%
11) 1,1-Dichloroethene-d2	4.021	65	39202	24.133	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.520%
21) 2-Butanone-d5	7.075	46	50137	46.170	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.340%
24) Chloroform-d	7.648	84	181778	28.079	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.320%
26) 1,2-Dichloroethane-d4	8.307	65	101336	26.687	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.760%
32) Benzene-d6	8.270	84	329534	26.287	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.160%
36) 1,2-Dichloropropane-d6	9.270	67	108752	27.133	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.520%
41) Toluene-d8	10.325	98	299635	27.178	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.720%
43) trans-1,3-Dichloroprop...	10.575	79	41161	24.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.000%
47) 2-Hexanone-d5	10.922	63	33737	46.321	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.640%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	83726	25.728	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.920%
66) 1,2-Dichlorobenzene-d4	13.848	152	91955	27.130	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.520%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	316161	288.458	ug/L	100
16) Methylene chloride	4.917	84	222012	55.377	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	171540	55.643	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	134277	25.600	ug/L	100
19) 1,1-Dichloroethane	6.216	63	484912	76.592	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	316860	93.993	ug/L	96
22) 2-Butanone	7.167	43	110033	76.471	ug/L	97
25) Chloroform	7.679	83	246491	40.238	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	3031	0.634	ug/L	93
31) Carbon tetrachloride	8.069	117	81574	18.640	ug/L	98
33) Benzene	8.325	78	1292499	98.718	ug/L	100
34) Trichloroethene	9.087	95	392092	113.404	ug/L	90
38) Bromodichloromethane	9.642	83	329486	74.506	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	469965	86.423	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	664449	260.401	ug/L	99
42) Toluene	10.386	91	610990	45.616	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	132424	50.857	ug/L	99
46) Tetrachloroethene	10.861	164	116501	47.428	ug/L	86
49) Dibromochloromethane	11.123	129	246650	91.022	ug/L	94

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

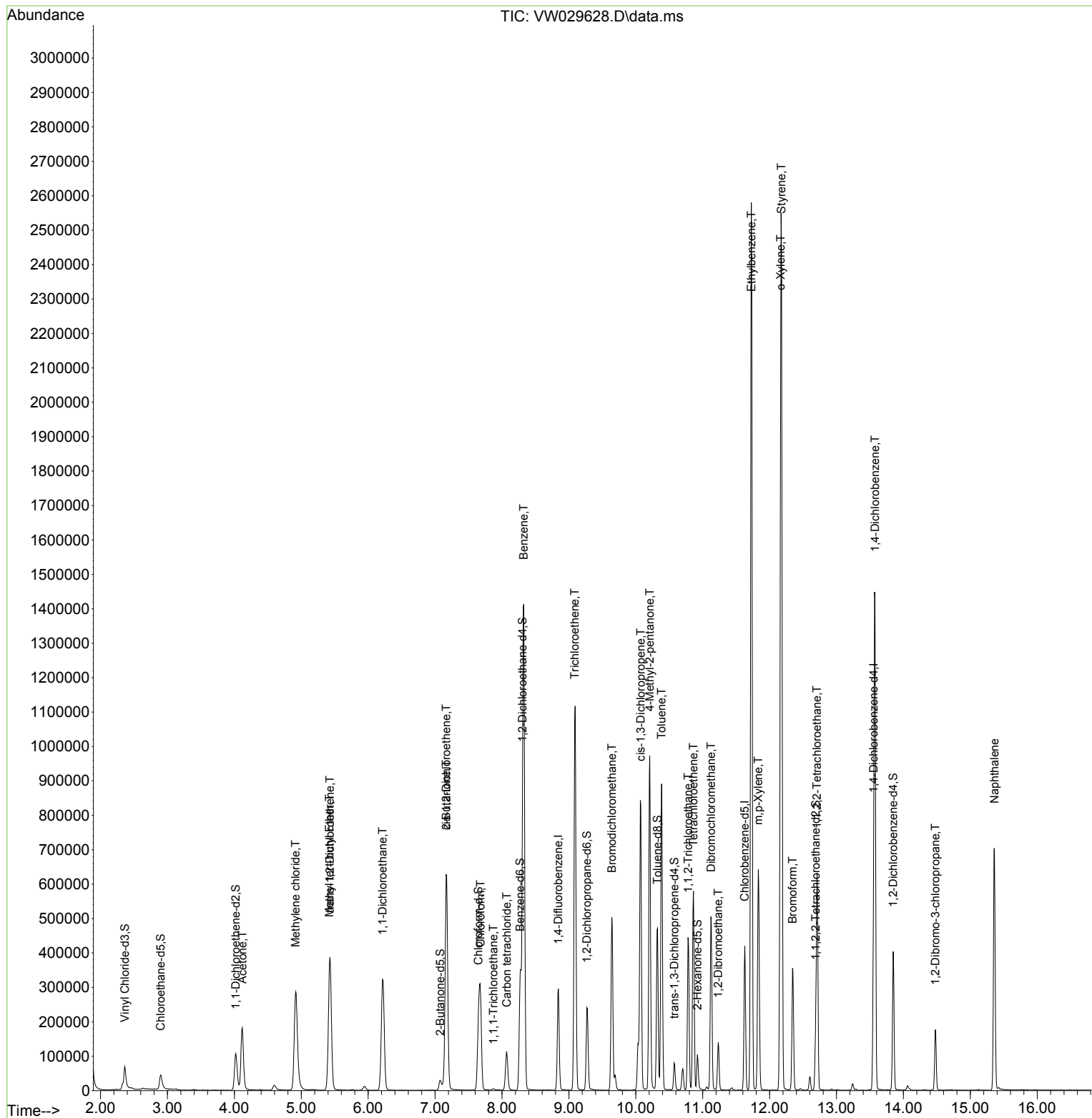
50) 1,2-Dibromoethane	11.233	107	89415	36.035	ug/L	100
52) Ethylbenzene	11.727	91	1272933	83.882	ug/L	98
53) m,p-Xylene	11.831	106	183112	32.869	ug/L	97
54) o-Xylene	12.166	106	284803	55.273	ug/L	97
55) Styrene	12.178	104	912148	100.675	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	293902	89.482	ug/L	94
59) Bromoform	12.343	173	154361	102.745	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	499431	79.420	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	46409	82.416	ug/L	98
71) Naphthalene	15.360	128	558997	75.588	ug/L	100

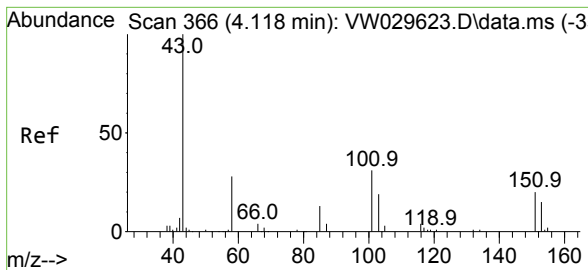
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 288.458 ug/L

RT: 4.118 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

Instrument :

MSVOA_W

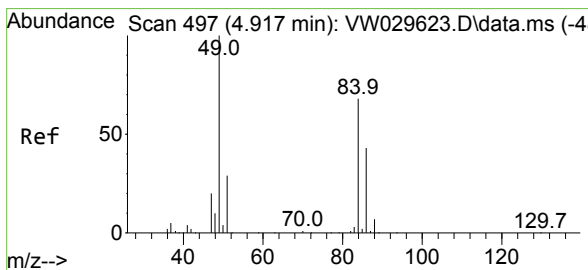
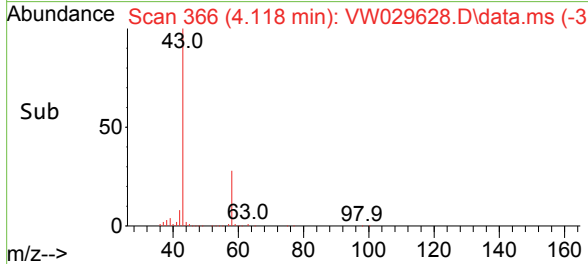
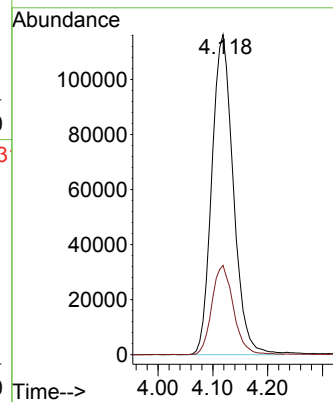
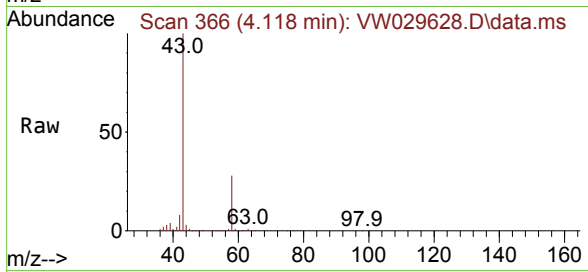
ClientSampleId :

Tgt Ion: 43 Resp: 316161

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.6



#16

Methylene chloride

Concen: 55.377 ug/L

RT: 4.917 min Scan# 497

Delta R.T. 0.000 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

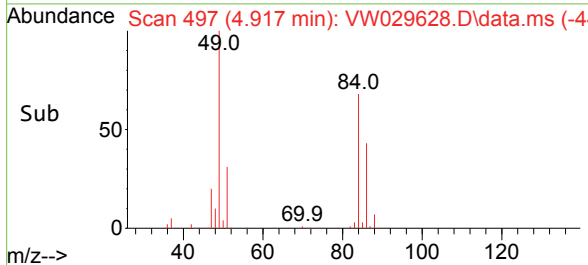
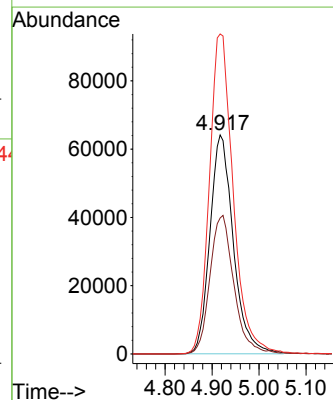
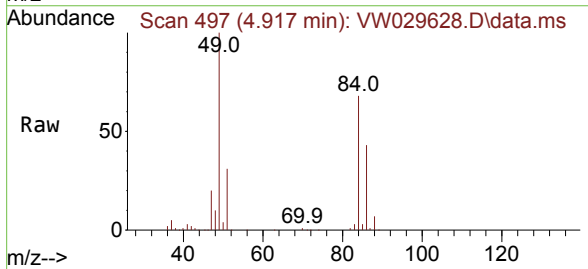
Tgt Ion: 84 Resp: 222012

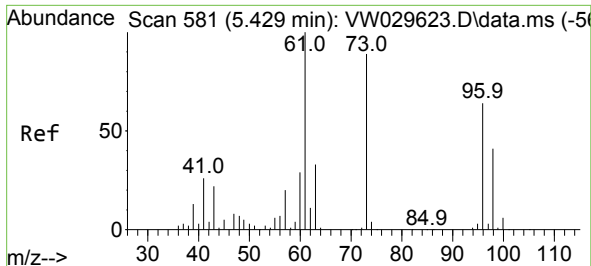
Ion Ratio Lower Upper

84 100

86 62.1 46.2 85.8

49 146.0 96.7 179.7





#17

trans-1,2-Dichloroethene

Concen: 55.643 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

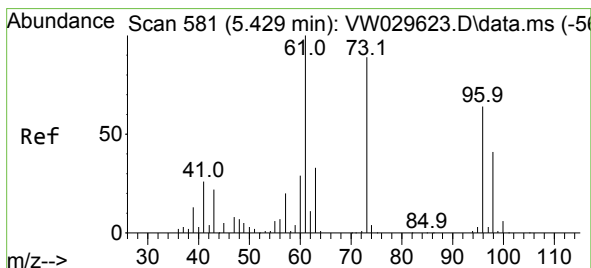
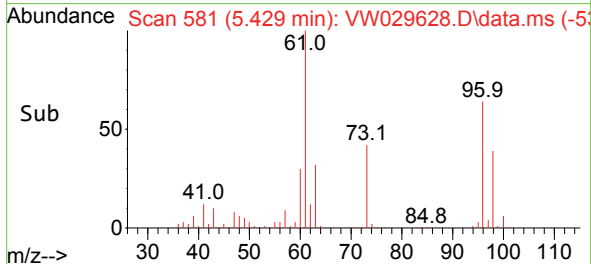
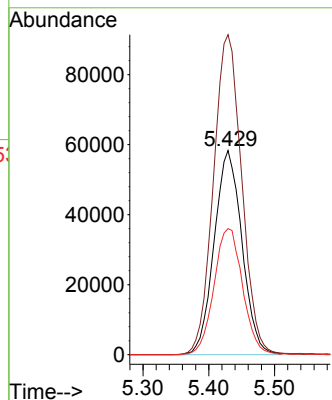
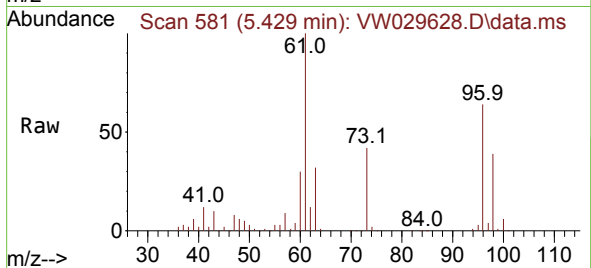
Tgt Ion: 96 Resp: 171540

Ion Ratio Lower Upper

96 100

61 156.7 102.9 191.1

98 61.8 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 25.600 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

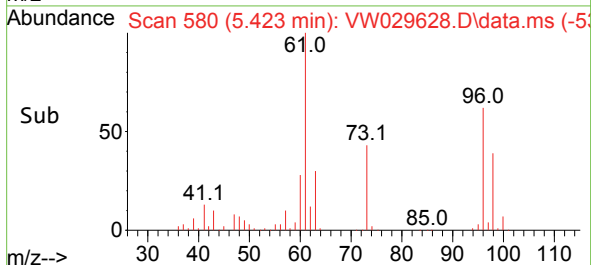
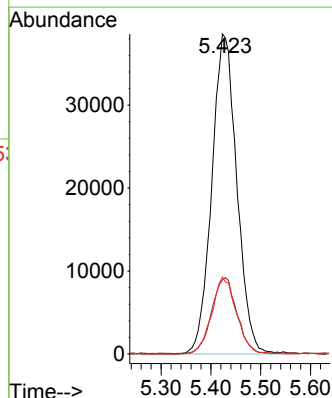
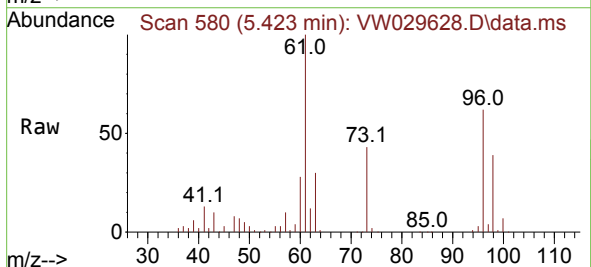
Tgt Ion: 73 Resp: 134277

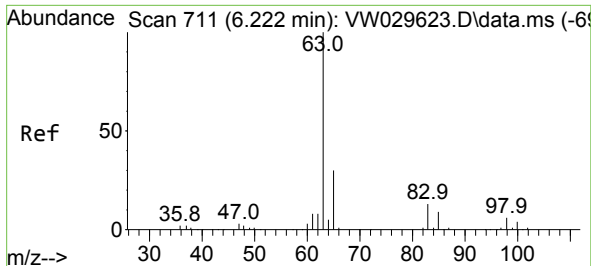
Ion Ratio Lower Upper

73 100

43 23.8 18.7 28.1

57 23.6 18.9 28.3





#19

1,1-Dichloroethane

Concen: 76.592 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

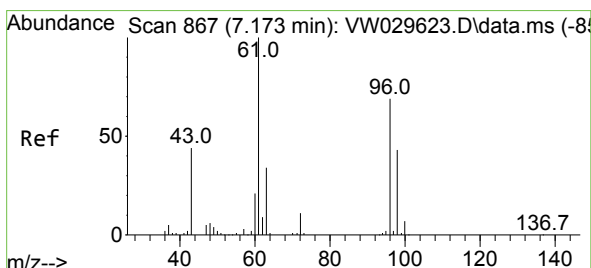
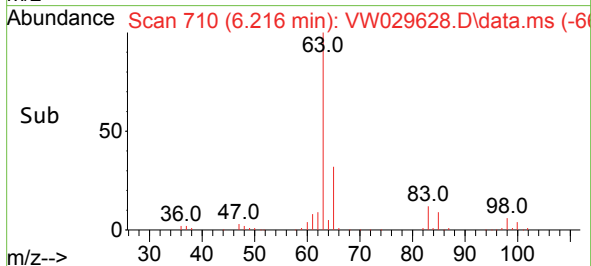
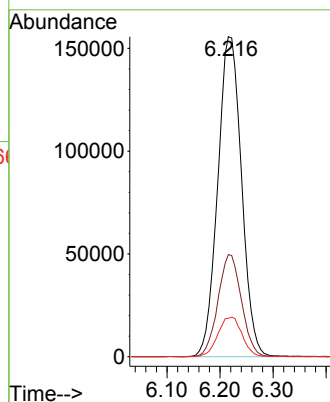
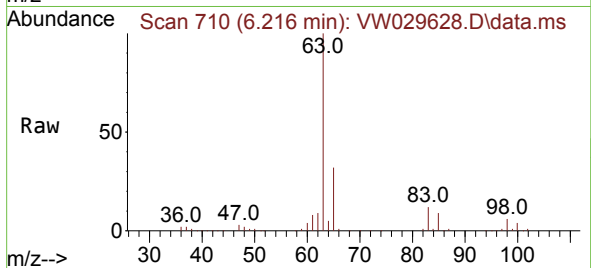
Tgt Ion: 63 Resp: 484912

Ion Ratio Lower Upper

63 100

65 31.9 21.5 39.9

83 12.0 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 93.993 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

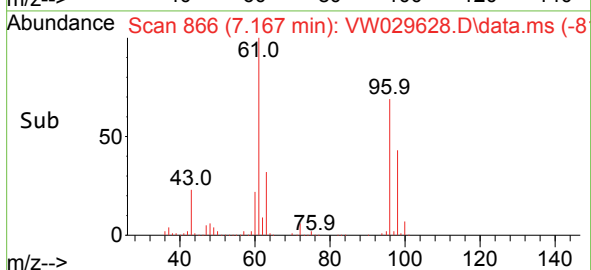
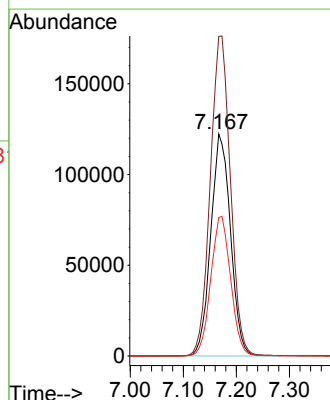
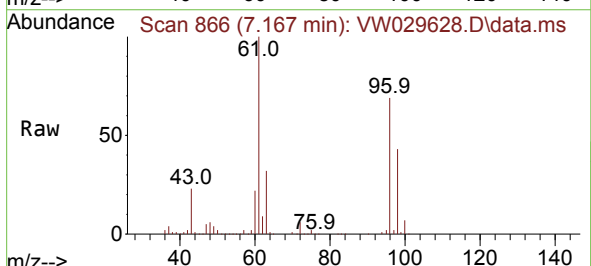
Tgt Ion: 96 Resp: 316860

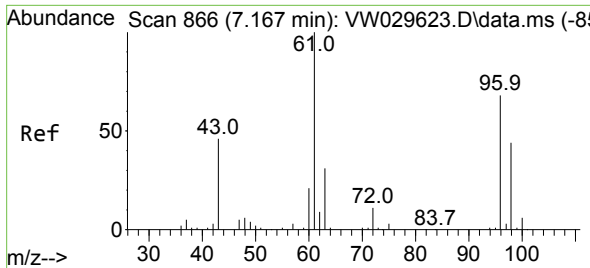
Ion Ratio Lower Upper

96 100

61 143.9 97.4 180.8

98 62.4 41.6 77.2

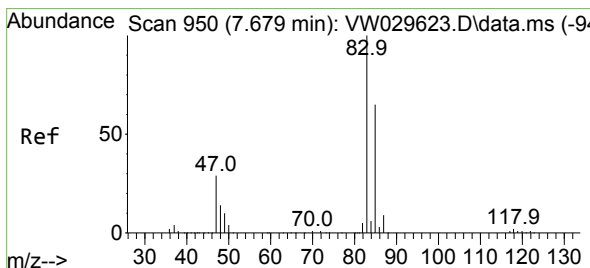
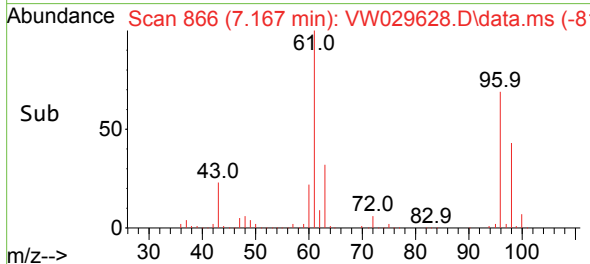
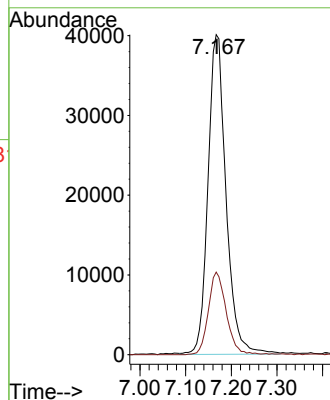
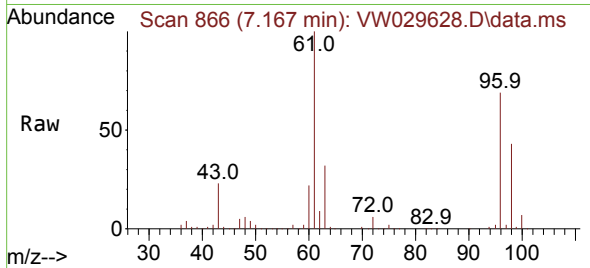




#22
2-Butanone
Concen: 76.471 ug/L
RT: 7.167 min Scan# 80
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

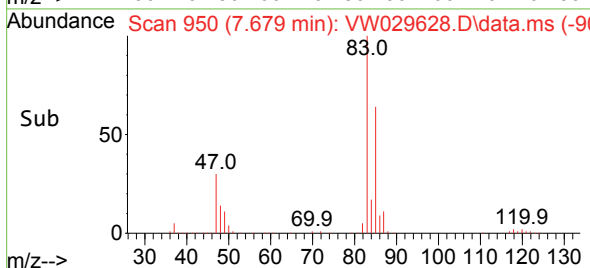
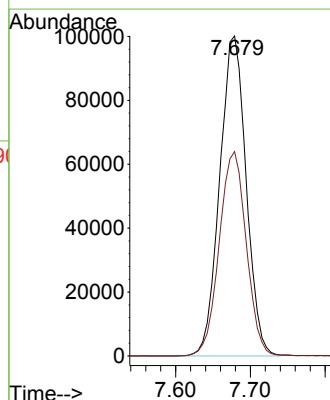
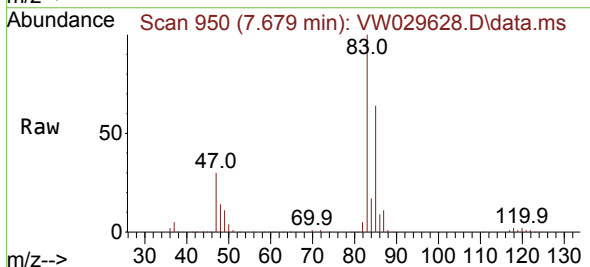
Instrument :
MSVOA_W
ClientSampleId :

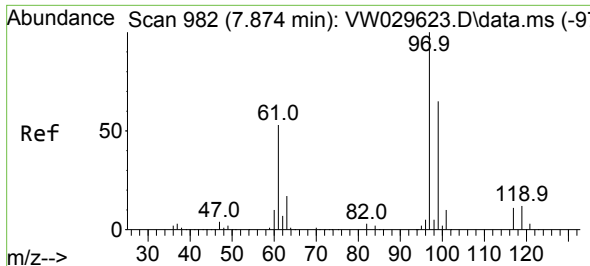
Tgt Ion: 43 Resp: 110033
Ion Ratio Lower Upper
43 100
72 25.5 12.0 36.1



#25
Chloroform
Concen: 40.238 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

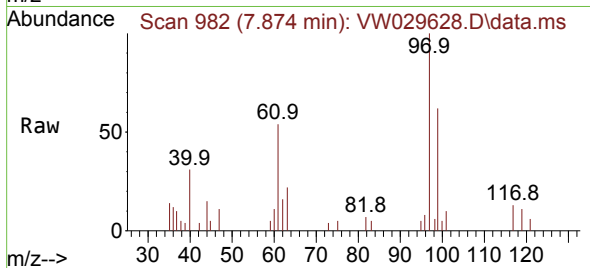
Tgt Ion: 83 Resp: 246491
Ion Ratio Lower Upper
83 100
85 63.9 44.1 81.9





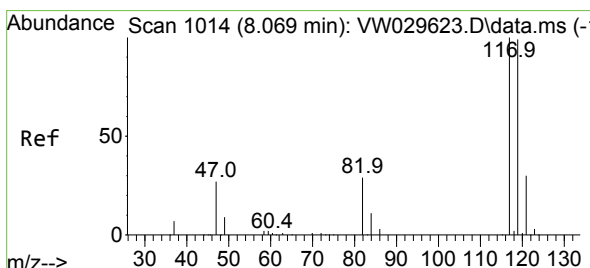
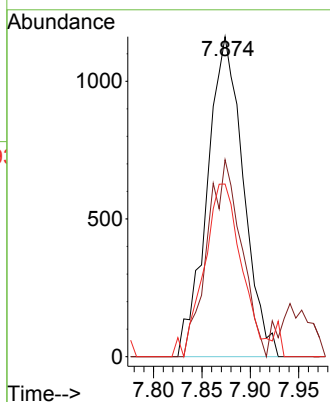
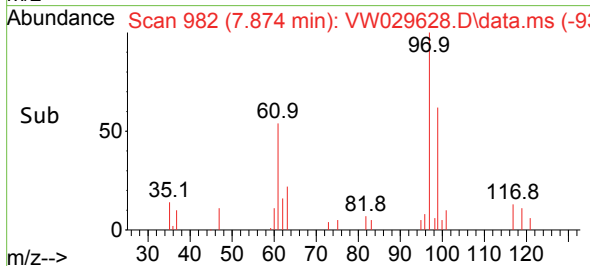
#30
1,1,1-Trichloroethane
Concen: 0.634 ug/L
RT: 7.874 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 97 Resp: 3031

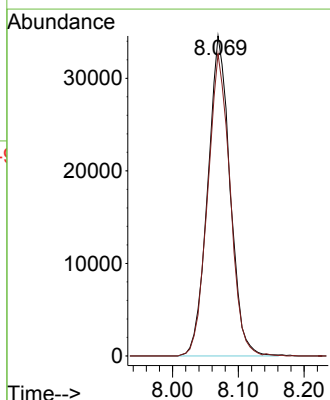
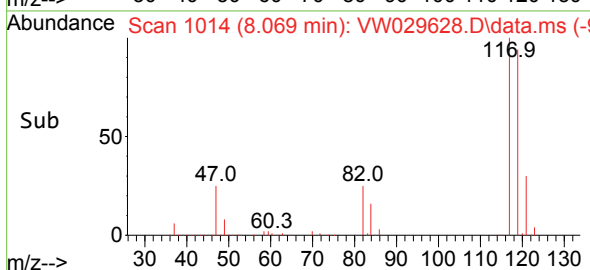
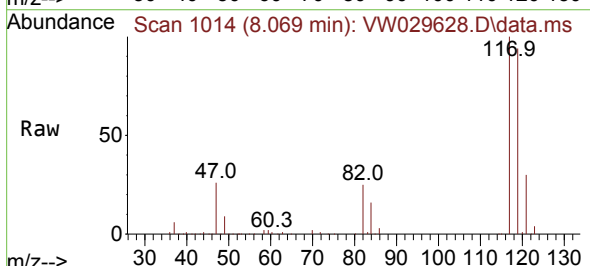
Ion	Ratio	Lower	Upper
97	100		
99	57.9	51.1	76.7
61	55.5	40.6	61.0

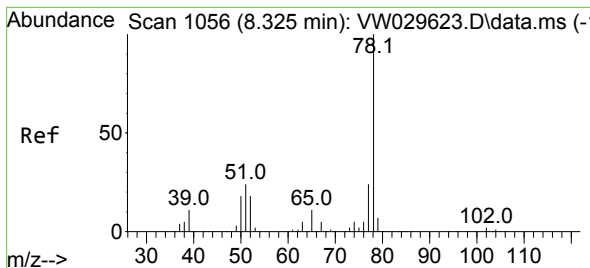


#31
Carbon tetrachloride
Concen: 18.640 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Tgt Ion: 117 Resp: 81574

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.6





#33

Benzene

Concen: 98.718 ug/L

RT: 8.325 min Scan# 110

Delta R.T. 0.000 min

Lab File: VW029628.D

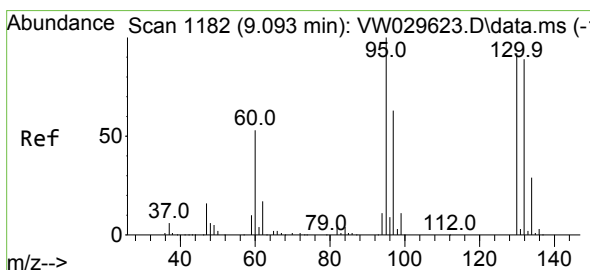
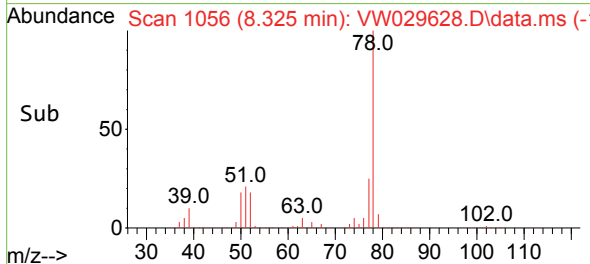
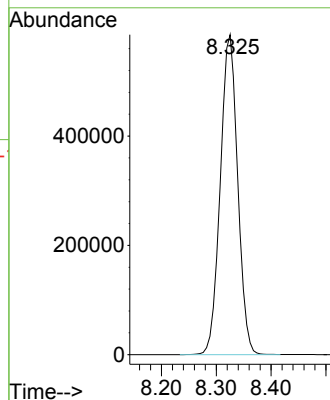
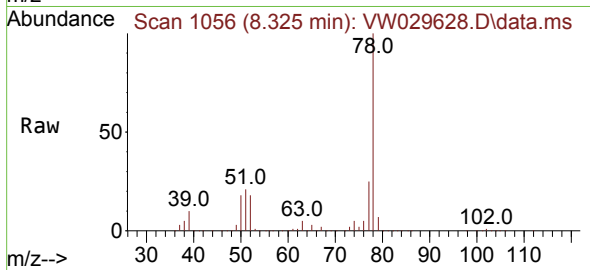
Acq: 18 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 1292499



#34

Trichloroethene

Concen: 113.404 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

Tgt Ion: 95 Resp: 392092

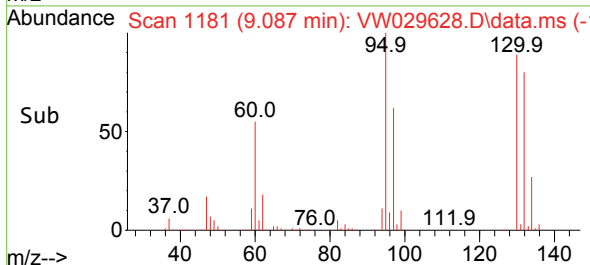
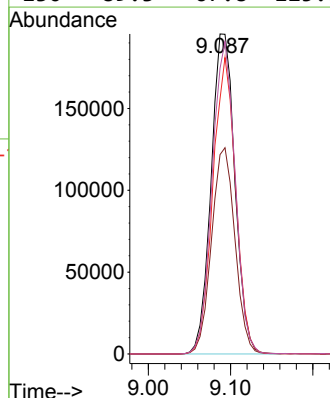
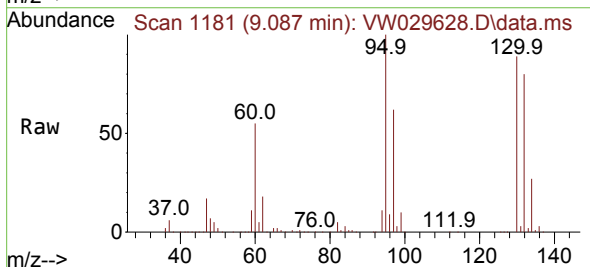
Ion Ratio Lower Upper

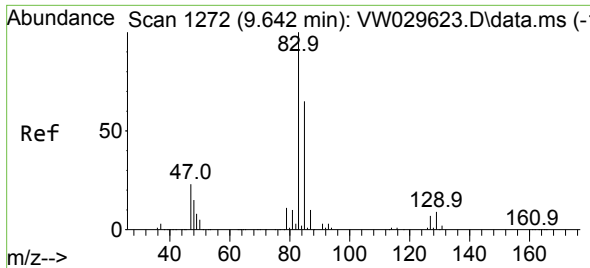
95 100

97 62.3 47.3 87.9

132 79.7 65.8 122.2

130 89.3 67.8 125.8

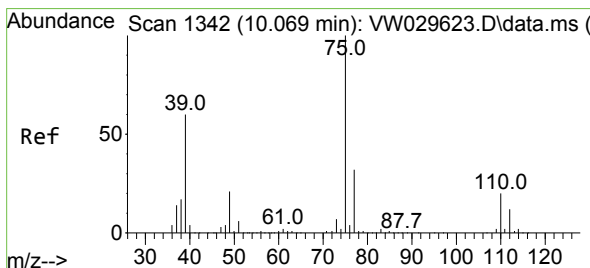
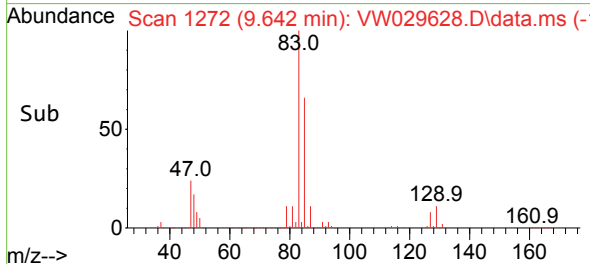
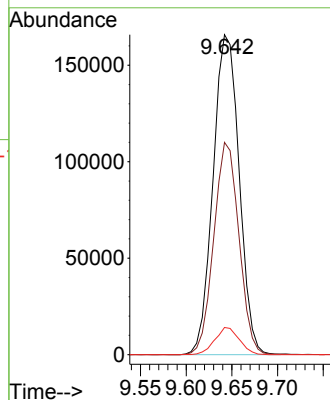
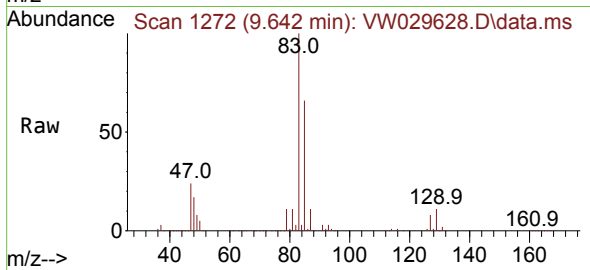




#38
Bromodichloromethane
Concen: 74.506 ug/L
RT: 9.642 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

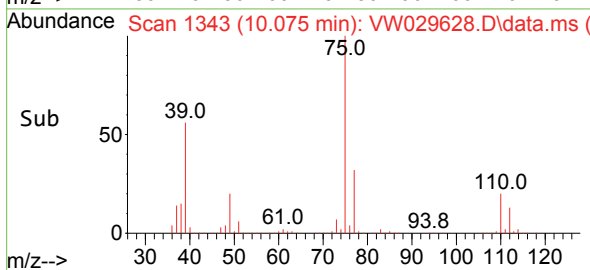
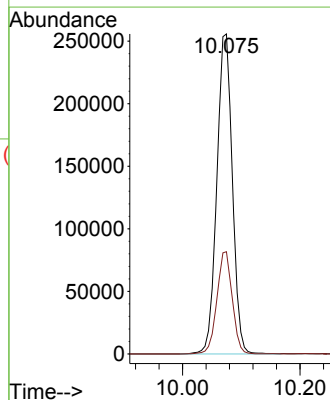
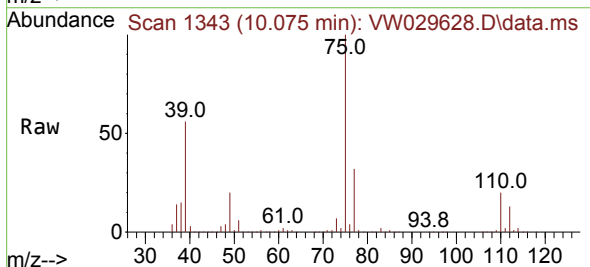
Instrument :
MSVOA_W
ClientSampleId :

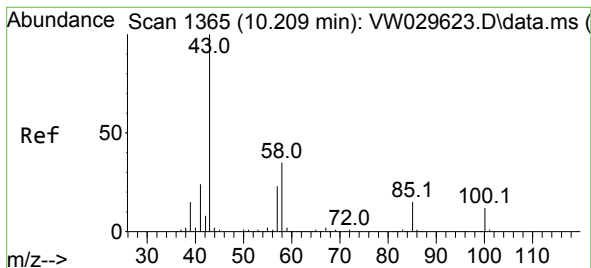
Tgt Ion: 83 Resp: 329486
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.5
127 8.5 6.1 9.1



#39
cis-1,3-Dichloropropene
Concen: 86.423 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Tgt Ion: 75 Resp: 469965
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2

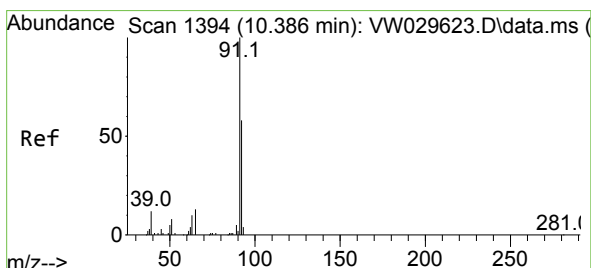
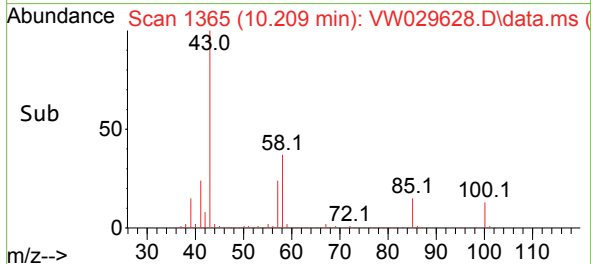
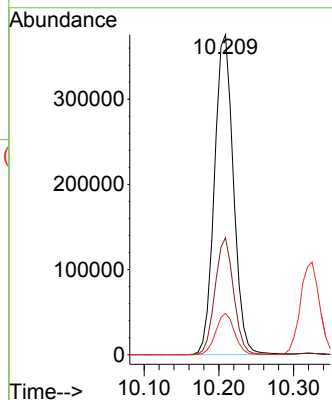
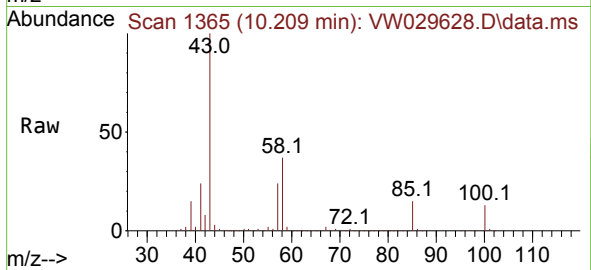




#40
4-Methyl-2-pentanone
Concen: 260.401 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

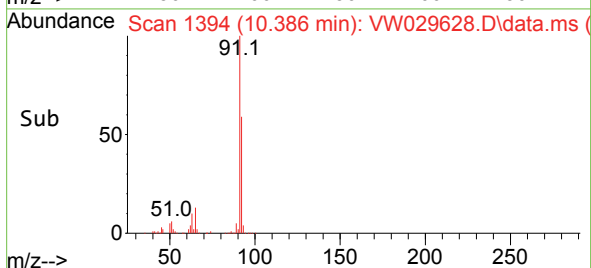
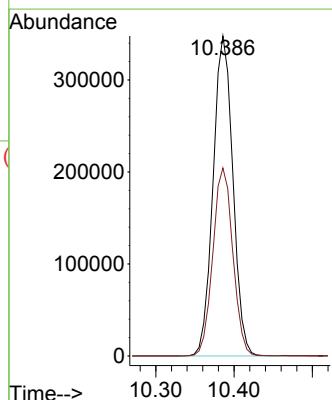
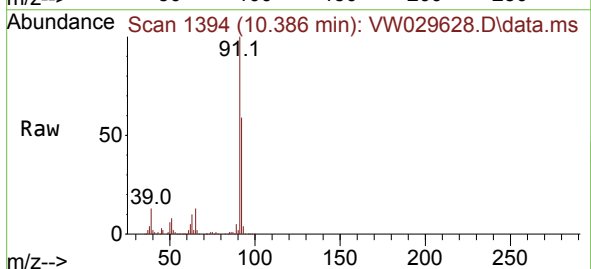
Instrument :
MSVOA_W
ClientSampleId :

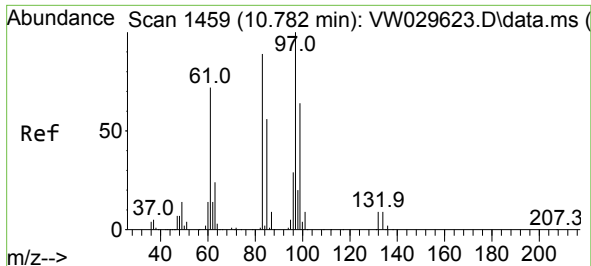
Tgt Ion: 43 Resp: 664449
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.6
100 12.8 10.5 15.7



#42
Toluene
Concen: 45.616 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

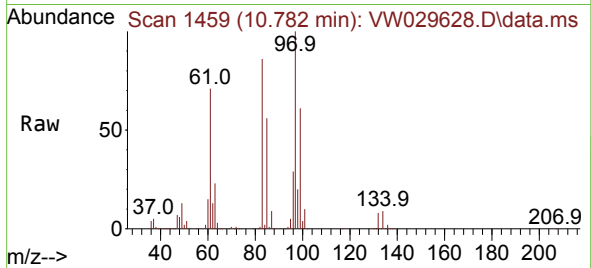
Tgt Ion: 91 Resp: 610990
Ion Ratio Lower Upper
91 100
92 58.7 41.1 76.3



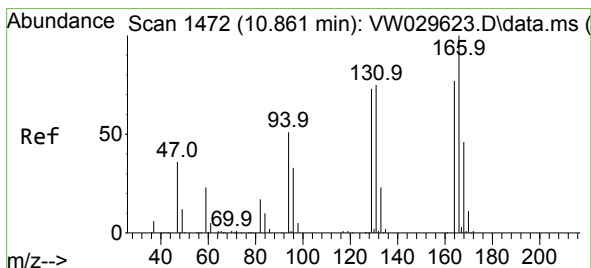
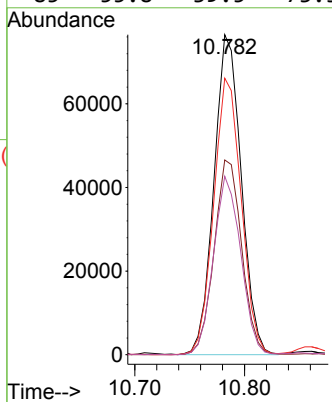
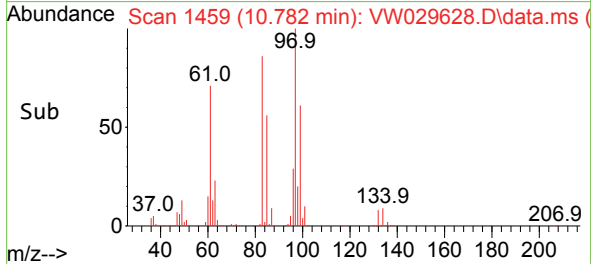


#45
1,1,2-Trichloroethane
Concen: 50.857 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Instrument :
MSVOA_W
ClientSampleId :

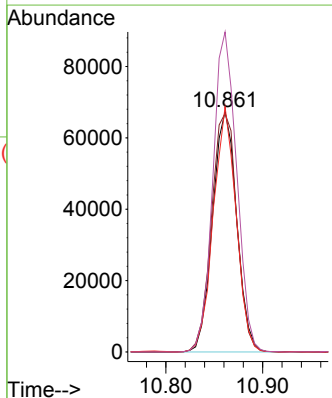
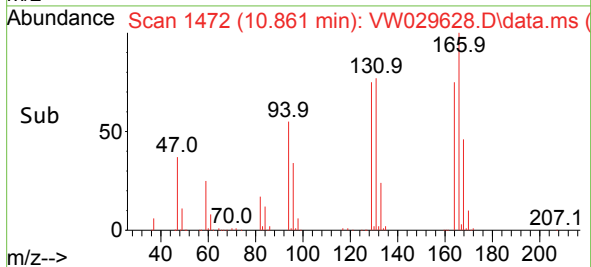
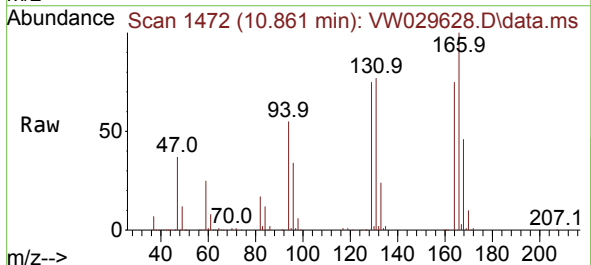


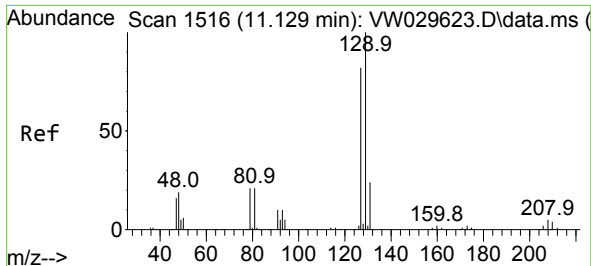
Tgt Ion: 97	Resp: 132424
Ion Ratio	Lower Upper
97 100	
99 60.8	43.8 81.4
83 86.4	60.3 111.9
85 55.8	39.5 73.3



#46
Tetrachloroethene
Concen: 47.428 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Tgt	Ion:164	Resp:	116501
Ion	Ratio	Lower	Upper
164	100		
129	99.2	60.0	111.4
131	101.9	64.6	120.0
166	133.1	80.4	149.2





#49

Dibromochloromethane

Concen: 91.022 ug/L

RT: 11.123 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

Instrument :

MSVOA_W

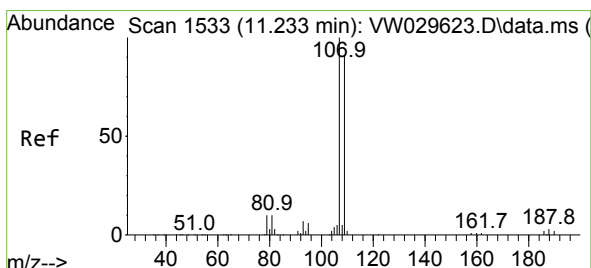
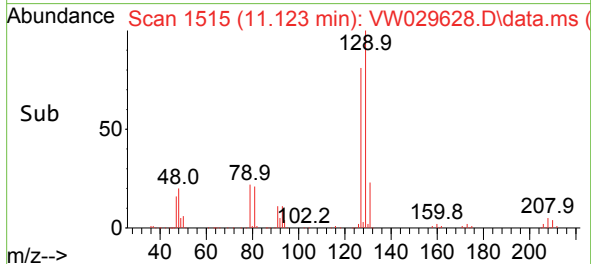
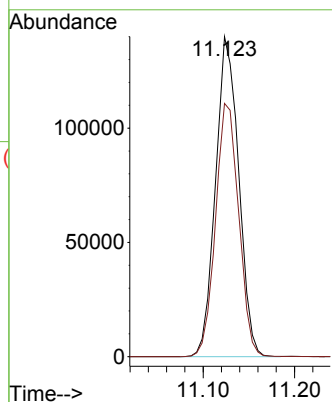
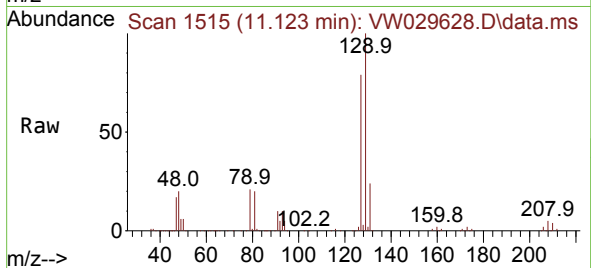
ClientSampleId :

Tgt Ion:129 Resp: 246650

Ion Ratio Lower Upper

129 100

127 79.1 51.9 96.3



#50

1,2-Dibromoethane

Concen: 36.035 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

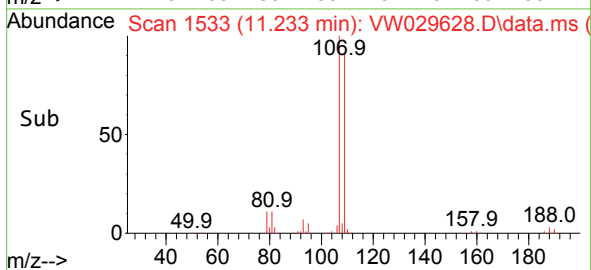
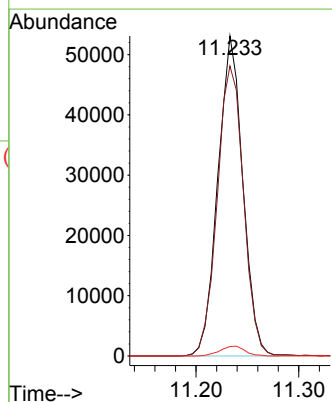
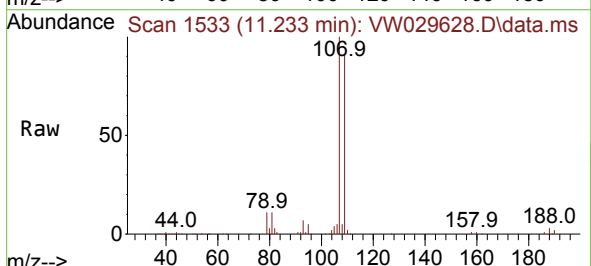
Tgt Ion:107 Resp: 89415

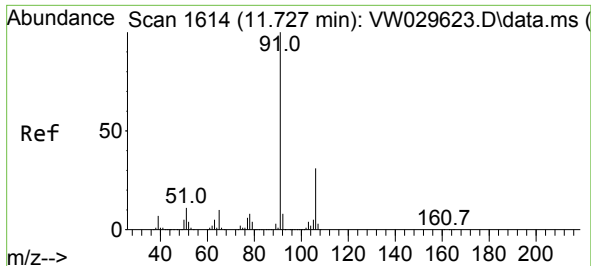
Ion Ratio Lower Upper

107 100

109 90.6 63.2 117.4

188 2.9 2.9 4.3

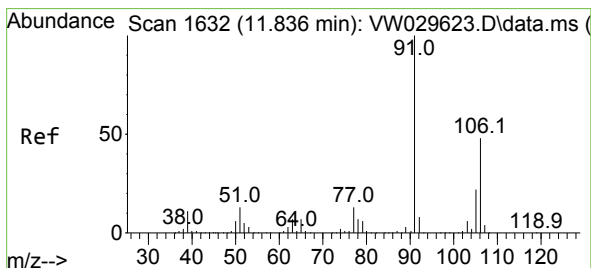
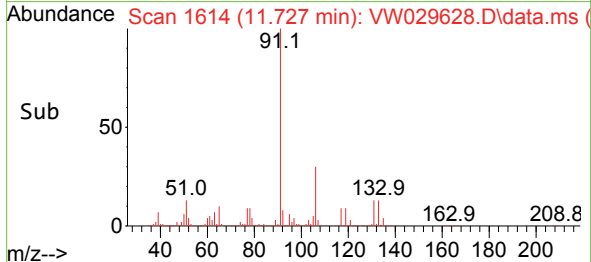
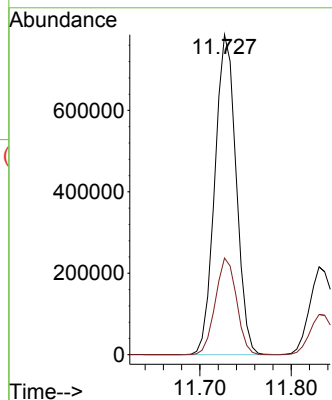
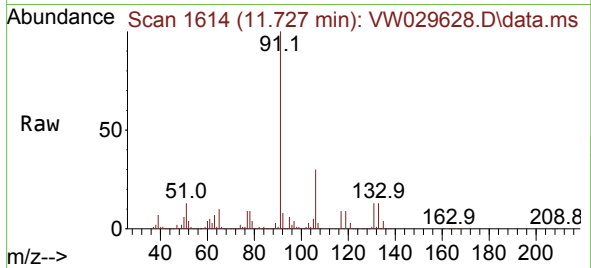




#52
Ethylbenzene
Concen: 83.882 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

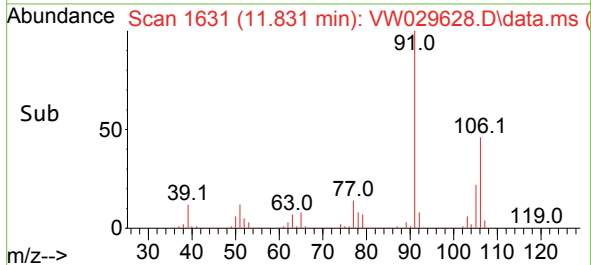
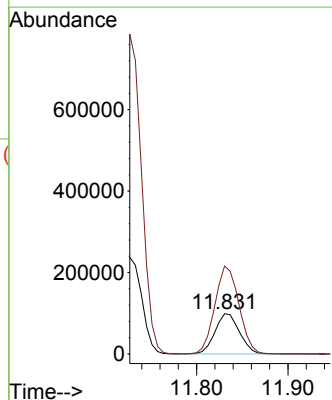
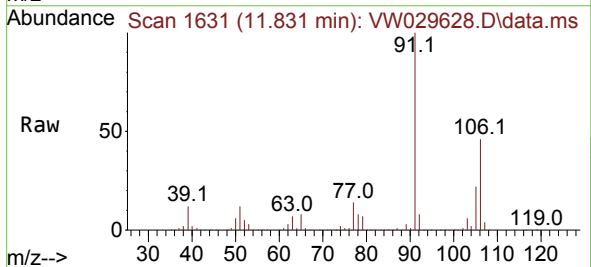
Instrument :
MSVOA_W
ClientSampleId :

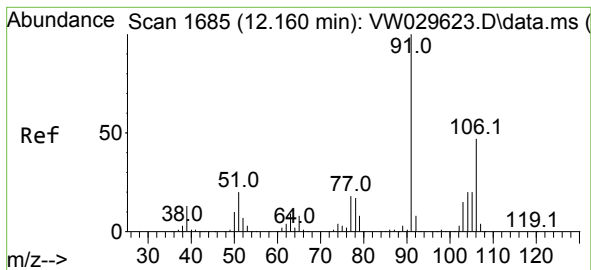
Tgt Ion: 91 Resp: 1272933
Ion Ratio Lower Upper
91 100
106 30.2 20.2 37.6



#53
m,p-Xylene
Concen: 32.869 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Tgt Ion: 106 Resp: 183112
Ion Ratio Lower Upper
106 100
91 218.1 149.3 277.3

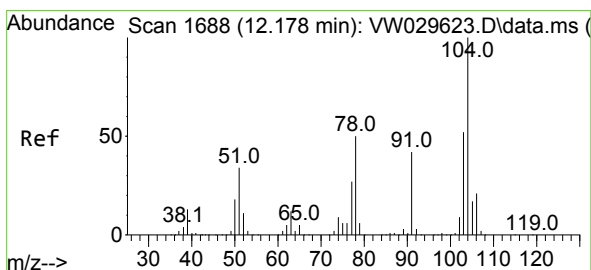
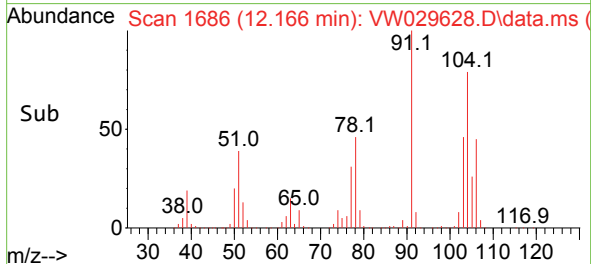
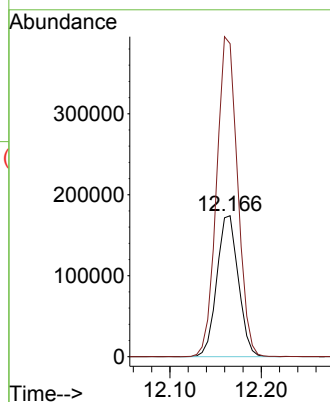
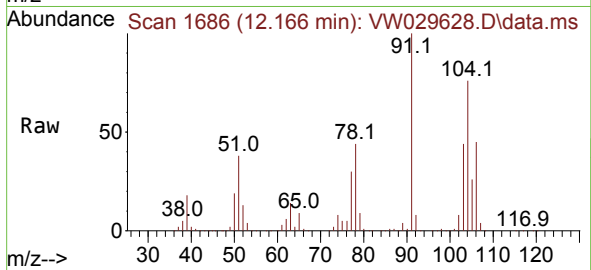




#54
o-Xylene
Concen: 55.273 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

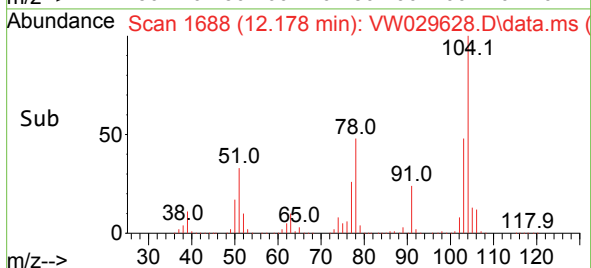
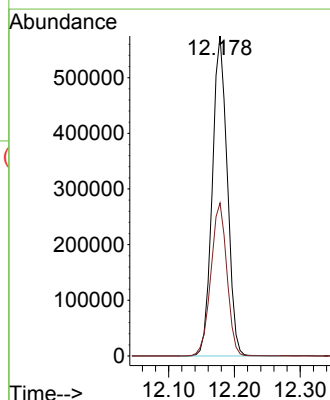
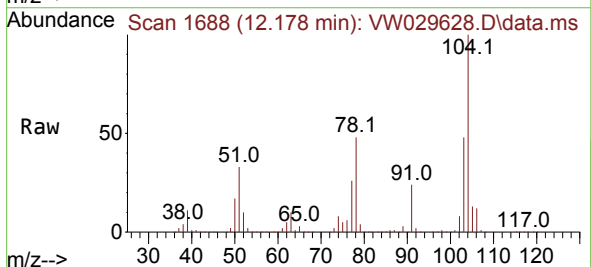
Instrument :
MSVOA_W
ClientSampleId :

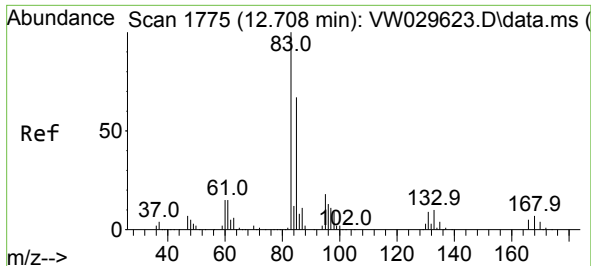
Tgt Ion:106 Resp: 284803
Ion Ratio Lower Upper
106 100
91 222.0 159.2 295.6



#55
Styrene
Concen: 100.675 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Tgt Ion:104 Resp: 912148
Ion Ratio Lower Upper
104 100
78 47.8 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 89.482 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

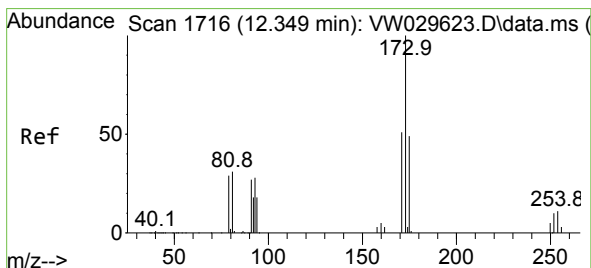
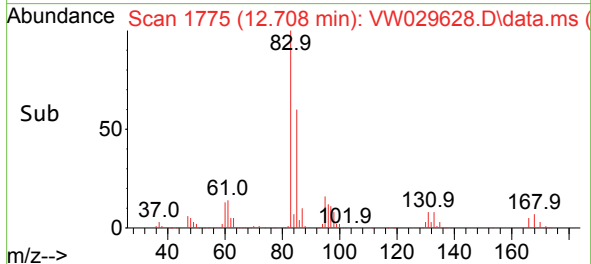
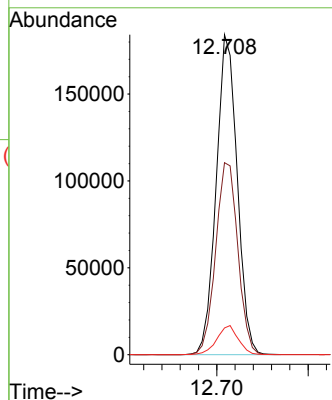
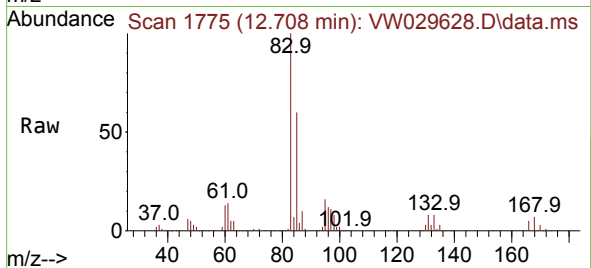
Tgt Ion: 83 Resp: 293902

Ion Ratio Lower Upper

83 100

85 60.0 45.4 84.4

131 8.4 6.4 9.6



#59

Bromoform

Concen: 102.745 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW029628.D

Acq: 18 Jul 2024 12:41

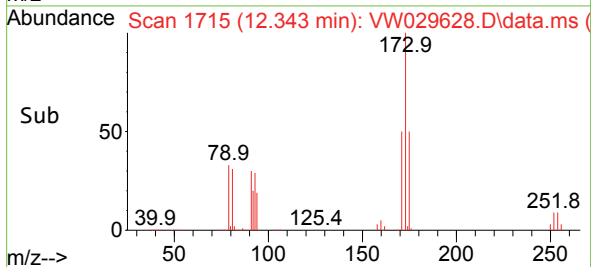
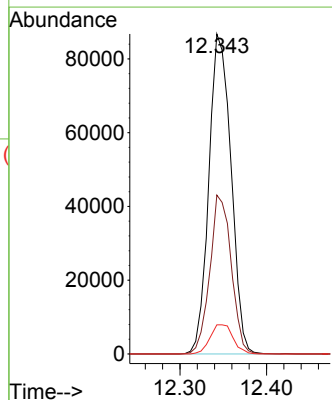
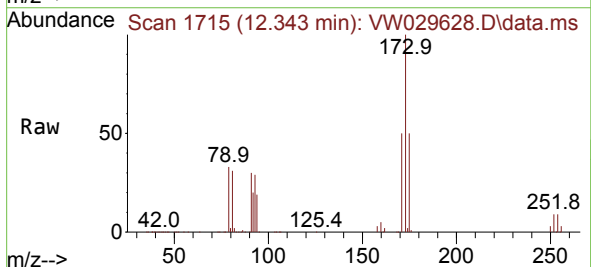
Tgt Ion:173 Resp: 154361

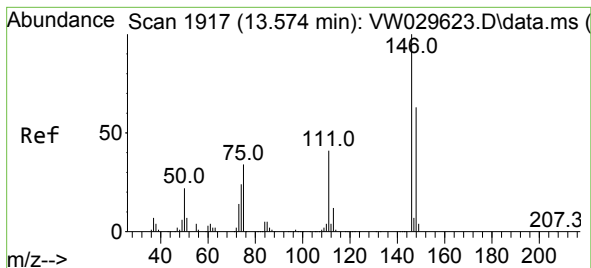
Ion Ratio Lower Upper

173 100

175 48.0 40.4 60.6

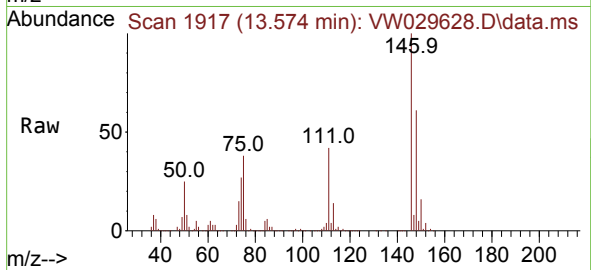
254 9.5 8.8 13.2



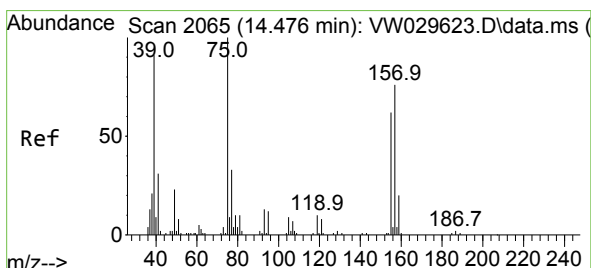
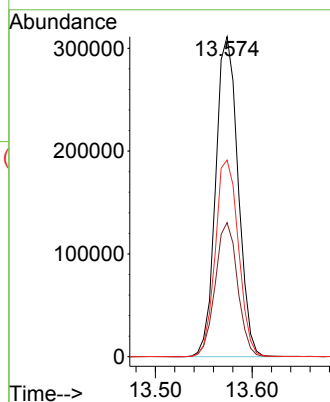
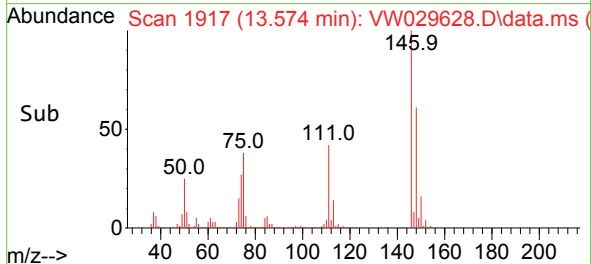


#65
1,4-Dichlorobenzene
Concen: 79.420 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Instrument :
MSVOA_W
ClientSampleId :

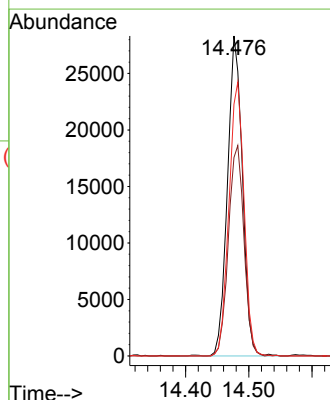
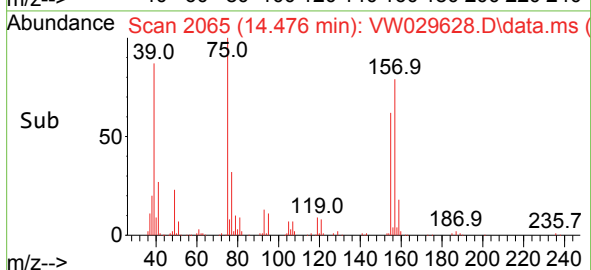
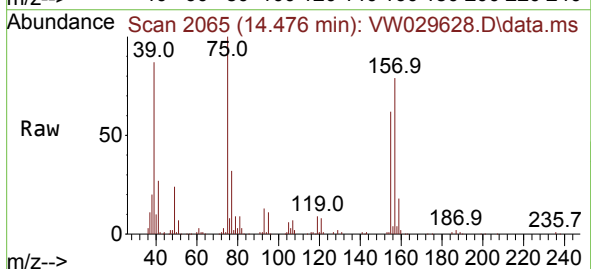


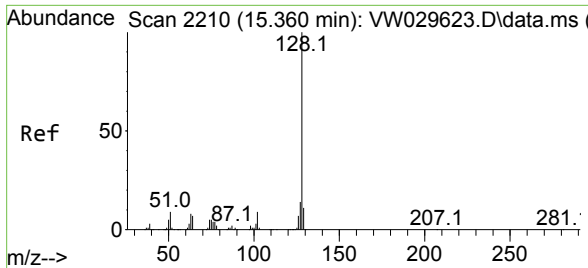
Tgt Ion:146 Resp: 499431
Ion Ratio Lower Upper
146 100
111 41.9 27.6 51.4
148 61.4 40.9 75.9



#68
1,2-Dibromo-3-chloropropane
Concen: 82.416 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

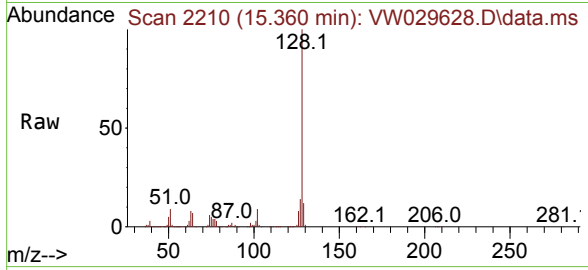
Tgt Ion: 75 Resp: 46409
Ion Ratio Lower Upper
75 100
155 62.0 51.2 76.8
157 78.7 63.7 95.5





#71
Naphthalene
Concen: 75.588 ug/L
RT: 15.360 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW029628.D
Acq: 18 Jul 2024 12:41

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 558997
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.2 9.0 13.4

