

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
 Data File : VW023262.D
 Acq On : 24 May 2022 10:39
 Operator : SY/VA
 Sample : N2996-23
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBGW7

Quant Time: May 25 00:49:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 25 00:48:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	300620	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	298923	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	168734	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	123595	20.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.160%
7) Chloroethane-d5	2.879	69	84666	21.100	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	4.019	63	156420	19.628	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.520%
21) 2-Butanone-d5	7.080	46	48256	41.151	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.300%
24) Chloroform-d	7.647	84	206150	23.406	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.640%
26) 1,2-Dichloroethane-d4	8.305	65	112891	23.370	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.480%
32) Benzene-d6	8.274	84	400891	23.267	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.080%
36) 1,2-Dichloropropane-d6	9.274	67	111687	23.076	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.320%
41) Toluene-d8	10.323	98	373688	22.452	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	10.579	79	47480	21.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.240%
47) 2-Hexanone-d5	10.920	63	40211	43.522	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.040%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	104988	23.273	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	136353	23.117	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	21721	13.254	ug/L	90
3) Chloromethane	2.209	50	70533	22.273	ug/L	97
5) Vinyl chloride	2.361	62	187027	29.428	ug/L	97
6) Bromomethane	2.769	94	57859	14.179	ug/L	97
8) Chloroethane	2.916	64	31804	10.375	ug/L	99
9) Trichlorofluoromethane	2.357	101	34459	11.863	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	102075	23.501	ug/L	95
12) 1,1-Dichloroethene	4.044	96	67114	17.431	ug/L	90
15) Methyl Acetate	4.671	43	44983	25.503	ug/L	97
16) Methylene chloride	4.915	84	101503	23.075	ug/L	98
18) Methyl tert-butyl Ether	5.427	73	295201	44.630	ug/L	100
22) 2-Butanone	7.171	43	80404	65.485	ug/L	95
25) Chloroform	7.677	83	181677	22.374	ug/L	99
29) Cyclohexane	7.951	56	150511	23.282	ug/L	99
33) Benzene	8.323	78	831014	47.191	ug/L	100
34) Trichloroethene	9.091	95	281103	58.045	ug/L	96
42) Toluene	10.390	91	1158961	58.726	ug/L	95
45) 1,1,2-Trichloroethane	10.786	97	76949	21.600	ug/L	98
46) Tetrachloroethene	10.859	164	45490	12.499	ug/L	83

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

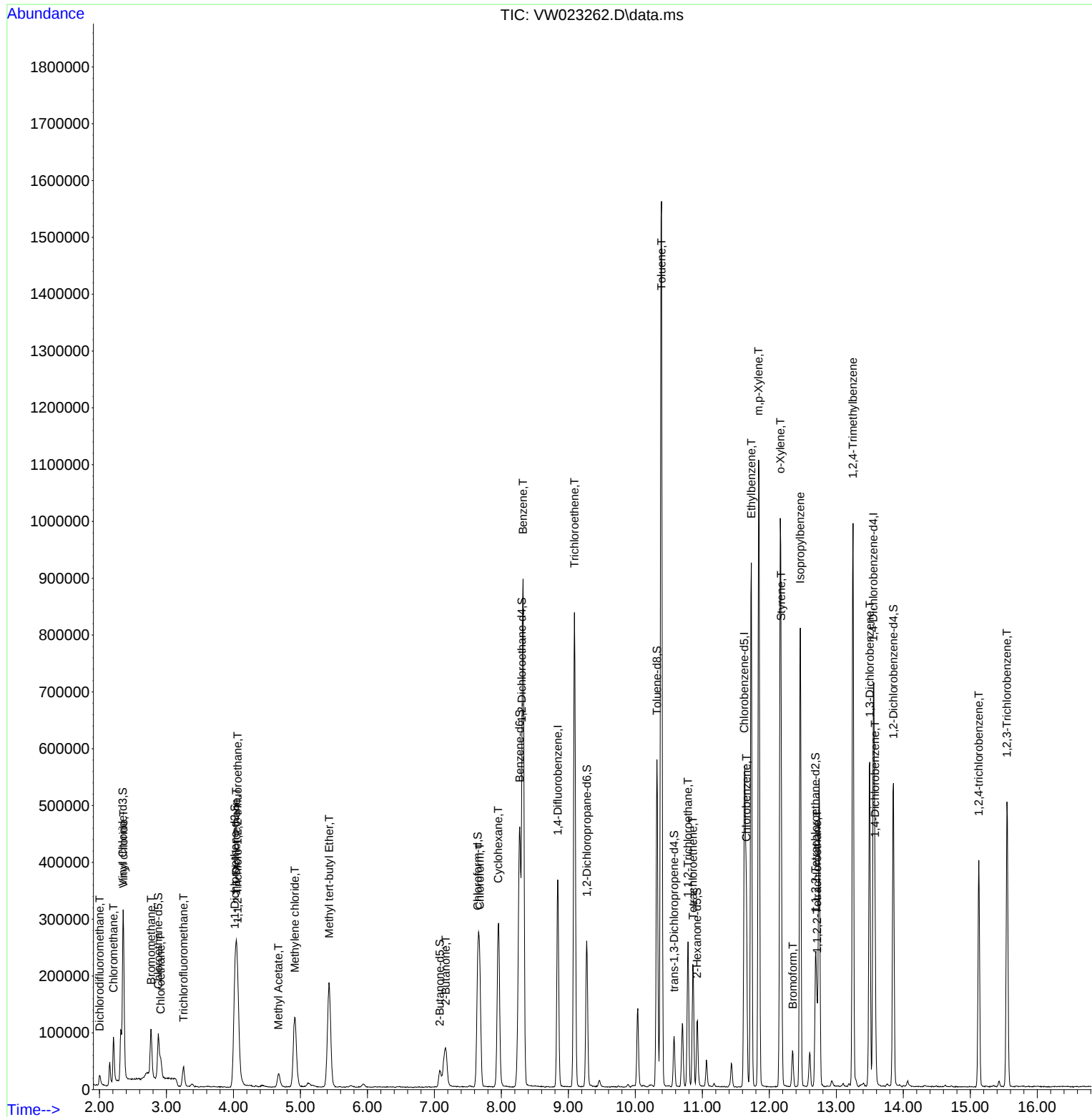
51) Chlorobenzene	11.658	112	180971	13.910	ug/L	96
52) Ethylbenzene	11.731	91	637818	29.050	ug/L	99
53) m,p-Xylene	11.841	106	303850	35.123	ug/L	94
54) o-Xylene	12.164	106	235679	28.389	ug/L	99
55) Styrene	12.176	104	157718	11.181	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	55718	12.522	ug/L	94
59) Bromoform	12.353	173	25486	10.658	ug/L	98
60) Isopropylbenzene	12.463	105	517203	22.374	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	529568	27.425	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	229332	22.221	ug/L	90
65) 1,4-Dichlorobenzene	13.578	146	116810	10.958	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	109824	19.929	ug/L	92
72) 1,2,3-Trichlorobenzene	15.548	180	155708	31.880	ug/L	99

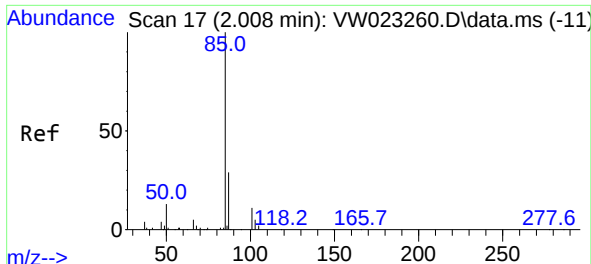
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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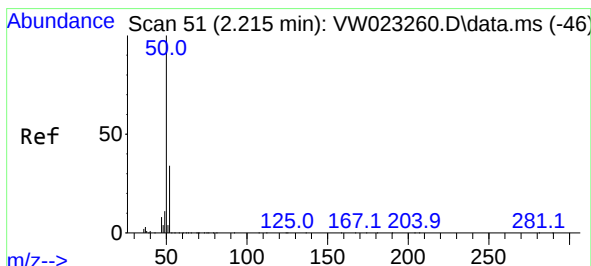
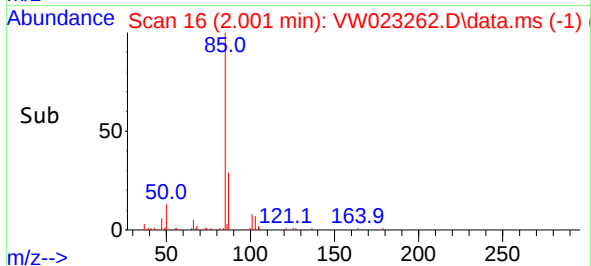
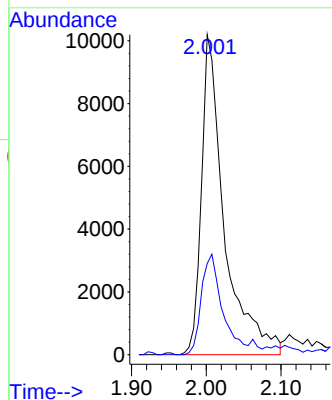
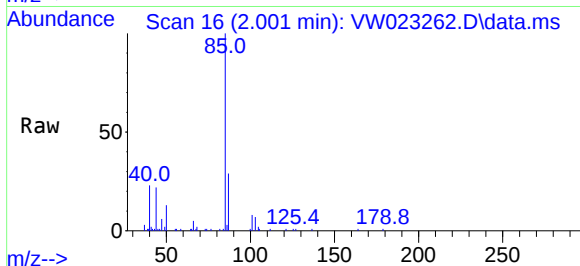




#2
Dichlorodifluoromethane
Concen: 13.254 ug/L
RT: 2.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

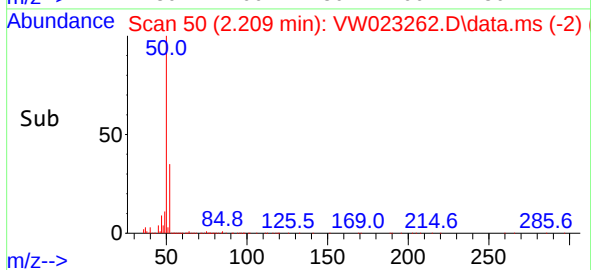
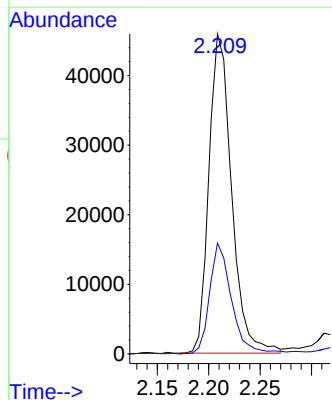
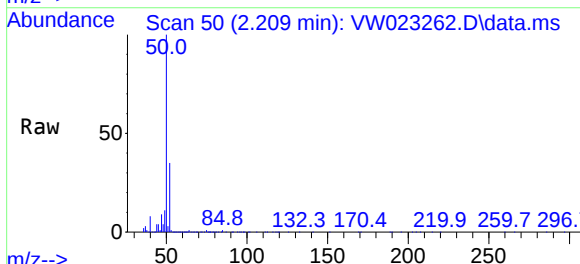
Instrument :
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ClientSampleId :
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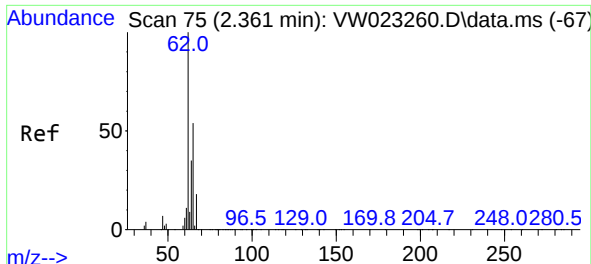
Tgt Ion: 85 Resp: 21721
Ion Ratio Lower Upper
85 100
87 29.0 27.8 41.8



#3
Chloromethane
Concen: 22.273 ug/L
RT: 2.209 min Scan# 50
Delta R.T. -0.006 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 50 Resp: 70533
Ion Ratio Lower Upper
50 100
52 34.7 23.1 42.9

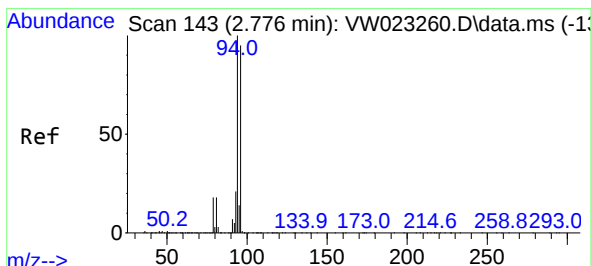
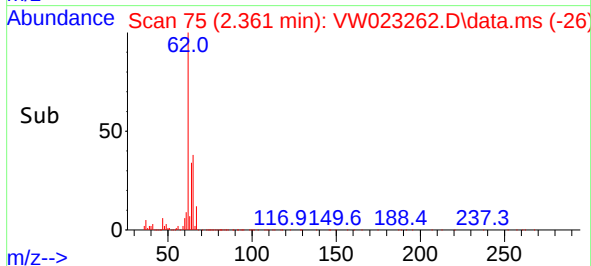
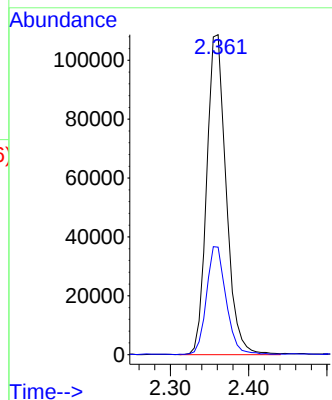
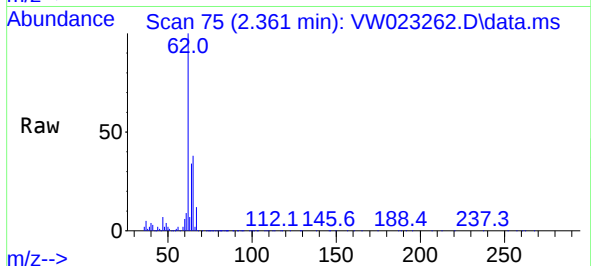




#5
 Vinyl chloride
 Concen: 29.428 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW023262.D
 Acq: 24 May 2022 10:39

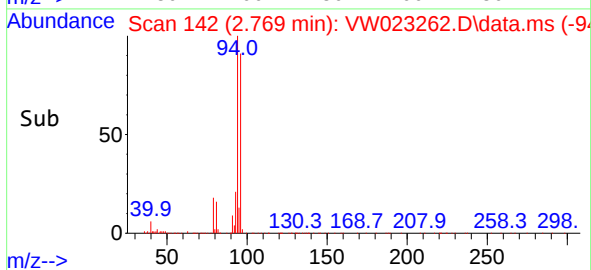
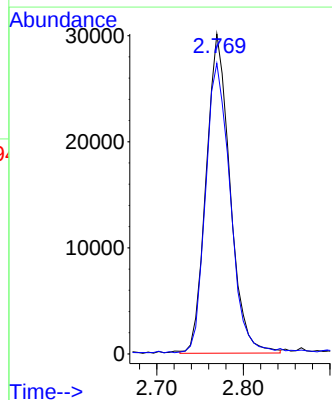
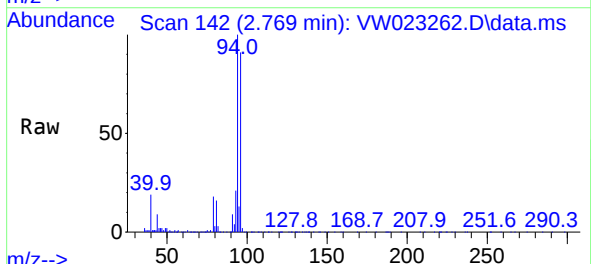
Instrument :
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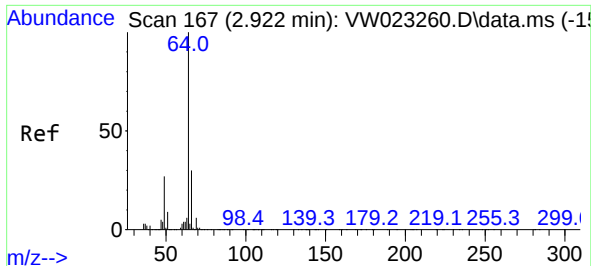
Tgt Ion: 62 Resp: 187027
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.9 46.3



#6
 Bromomethane
 Concen: 14.179 ug/L
 RT: 2.769 min Scan# 142
 Delta R.T. -0.006 min
 Lab File: VW023262.D
 Acq: 24 May 2022 10:39

Tgt Ion: 94 Resp: 57859
 Ion Ratio Lower Upper
 94 100
 96 90.8 61.7 114.5

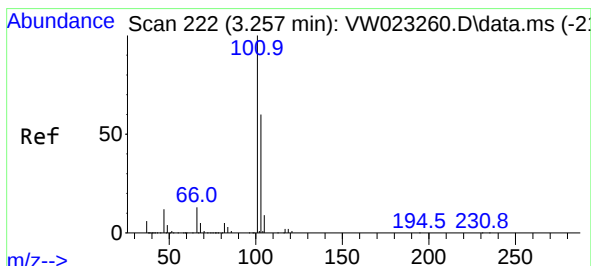
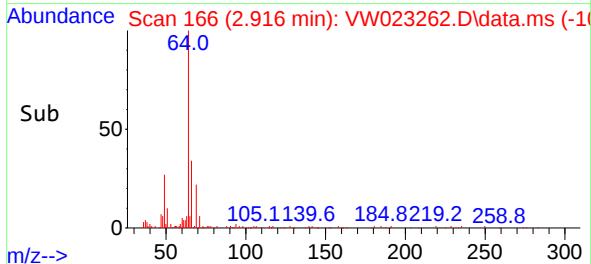
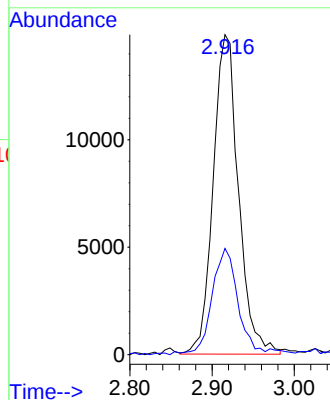
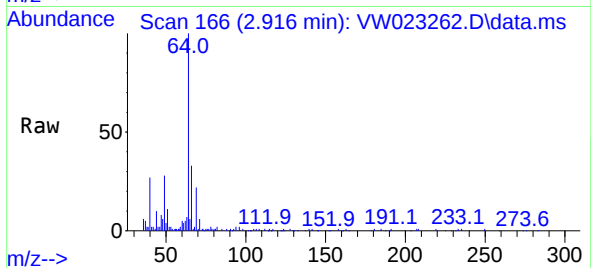




#8
Chloroethane
Concen: 10.375 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

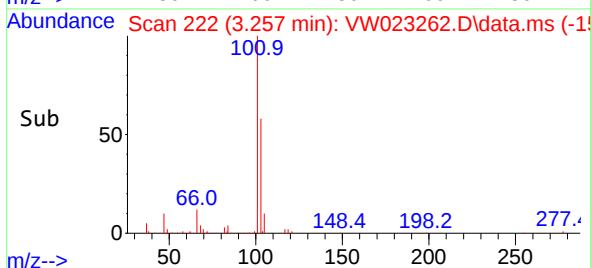
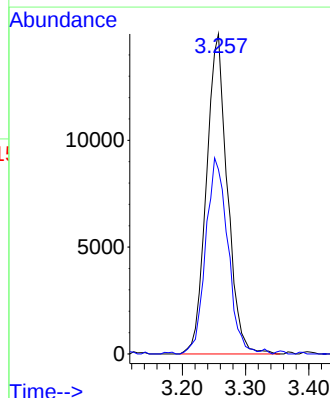
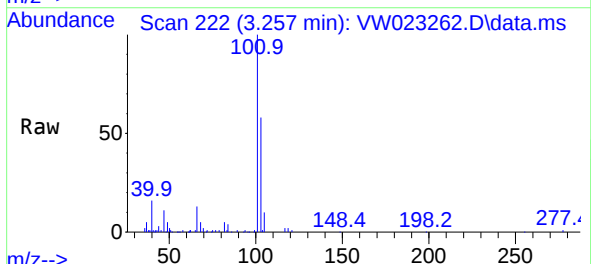
Instrument :
MSVOA_W
ClientSampleId :
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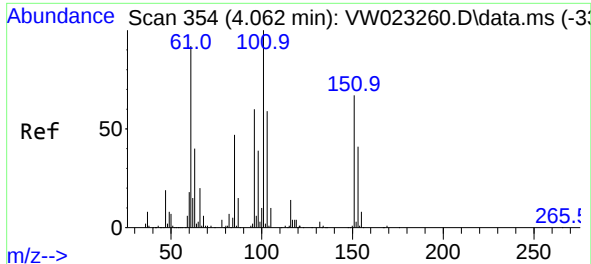
Tgt Ion: 64 Resp: 31804
Ion Ratio Lower Upper
64 100
66 33.2 23.4 43.6



#9
Trichlorofluoromethane
Concen: 11.863 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 101 Resp: 34459
Ion Ratio Lower Upper
101 100
103 64.9 53.9 80.9

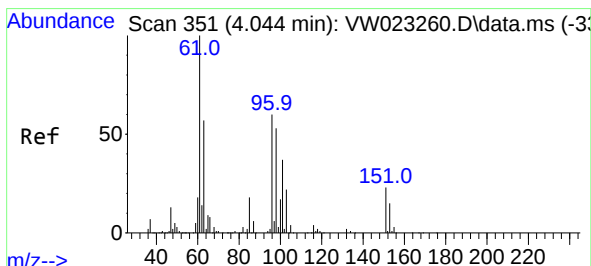
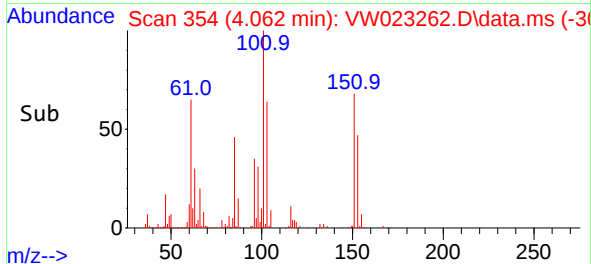
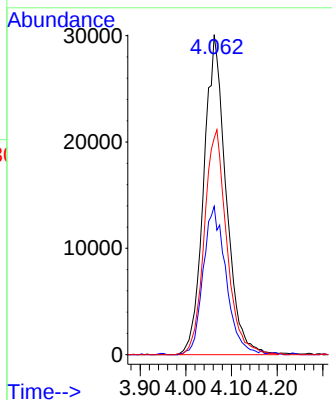
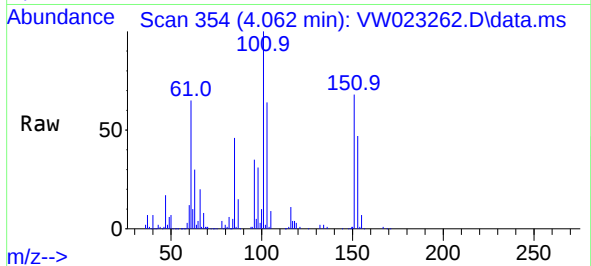




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.501 ug/L
RT: 4.062 min Scan# 310
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

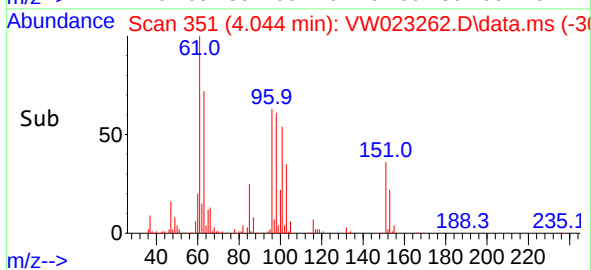
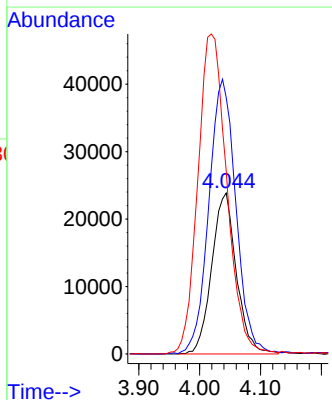
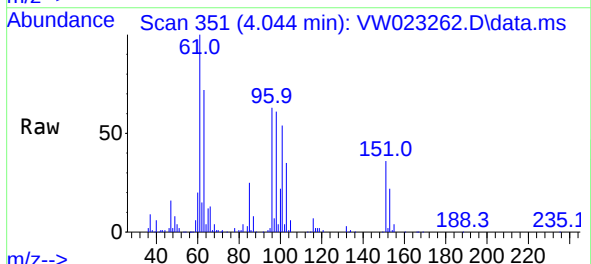
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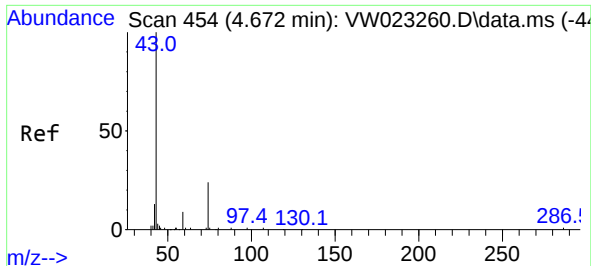
Tgt Ion:101 Resp: 102075
Ion Ratio Lower Upper
101 100
85 47.4 34.3 51.5
151 70.6 54.2 81.2



#12
1,1-Dichloroethene
Concen: 17.431 ug/L
RT: 4.044 min Scan# 351
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 96 Resp: 67114
Ion Ratio Lower Upper
96 100
61 159.3 125.7 233.5
63 113.9 83.4 155.0

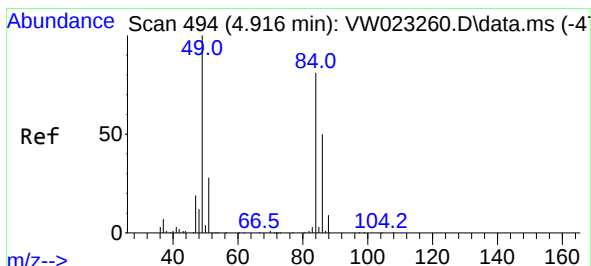
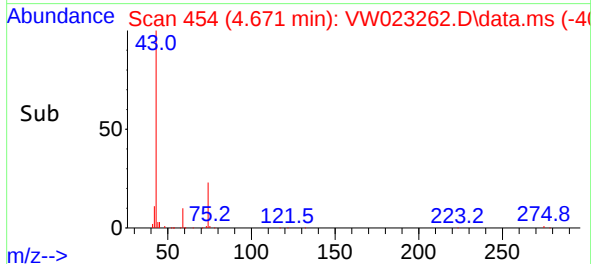
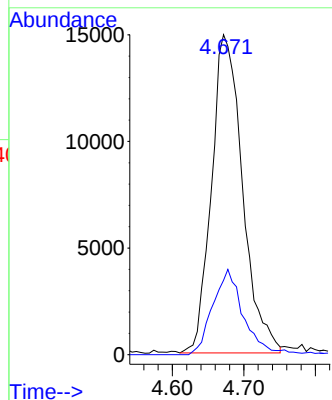
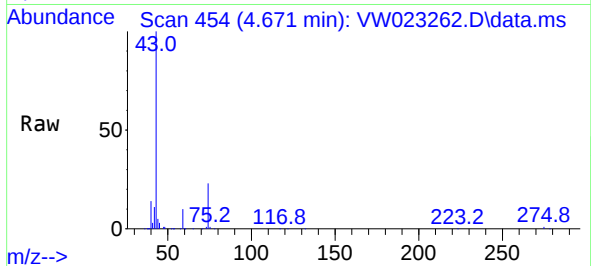




#15
Methyl Acetate
Concen: 25.503 ug/L
RT: 4.671 min Scan# 41
Delta R.T. -0.000 min
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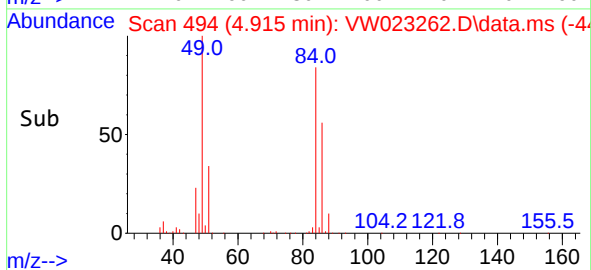
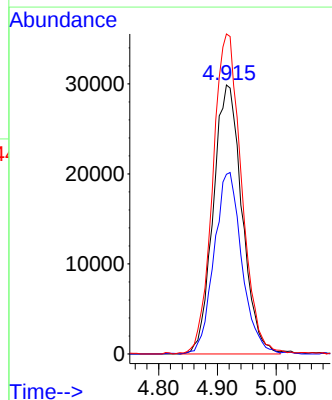
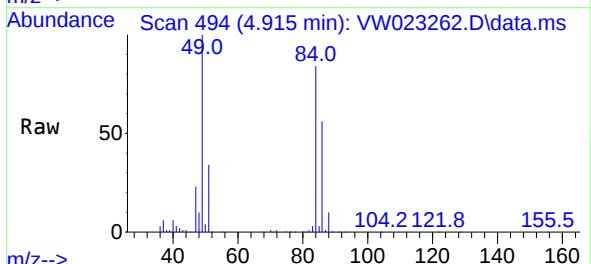
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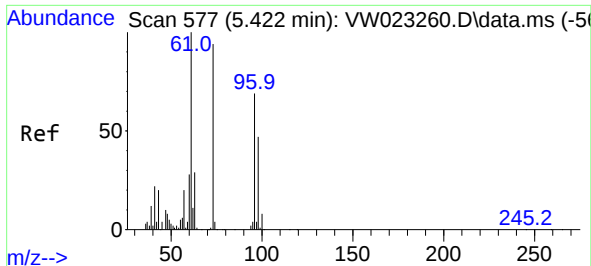
Tgt Ion: 43 Resp: 44983
Ion Ratio Lower Upper
43 100
74 25.9 21.9 32.9



#16
Methylene chloride
Concen: 23.075 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 84 Resp: 101503
Ion Ratio Lower Upper
84 100
86 66.8 45.4 84.4
49 119.0 82.5 153.1

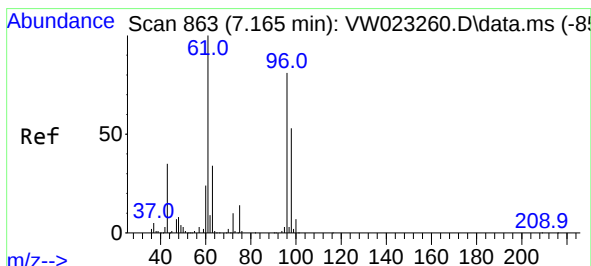
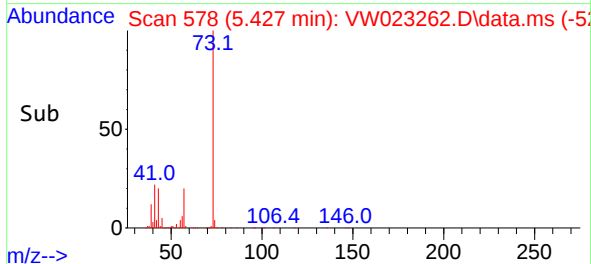
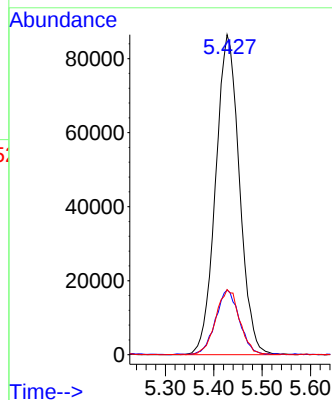
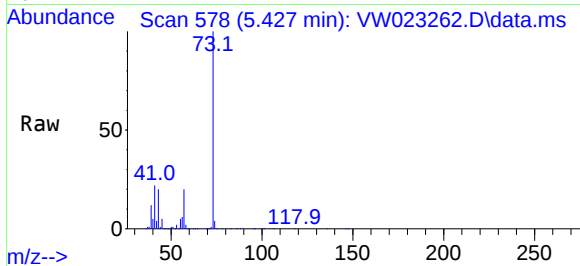




#18
Methyl tert-butyl Ether
Concen: 44.630 ug/L
RT: 5.427 min Scan# 51
Delta R.T. 0.006 min
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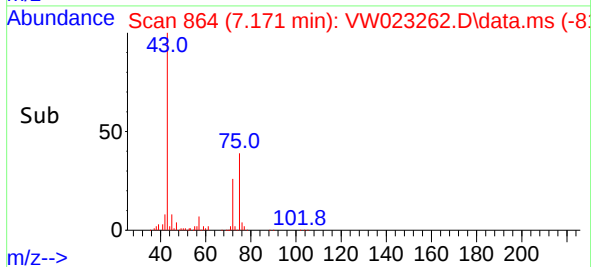
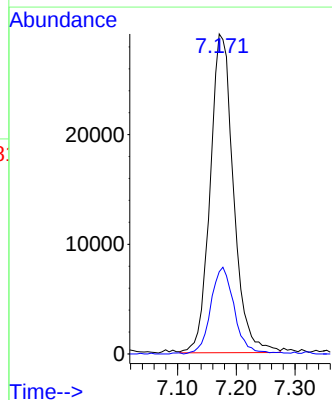
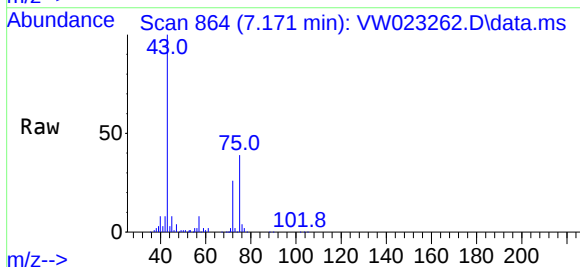
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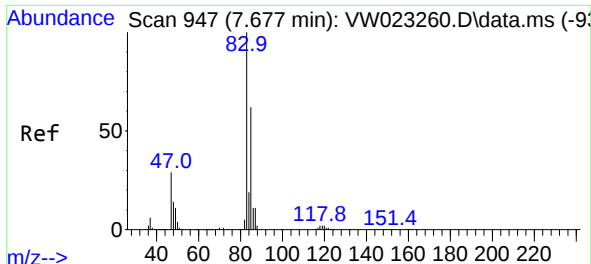
Tgt Ion: 73 Resp: 295201
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 20.5 16.5 24.7



#22
2-Butanone
Concen: 65.485 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 43 Resp: 80404
Ion Ratio Lower Upper
43 100
72 27.2 15.1 45.3

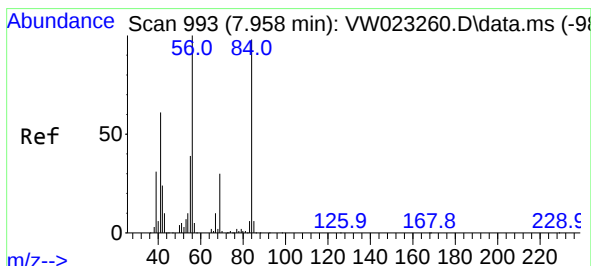
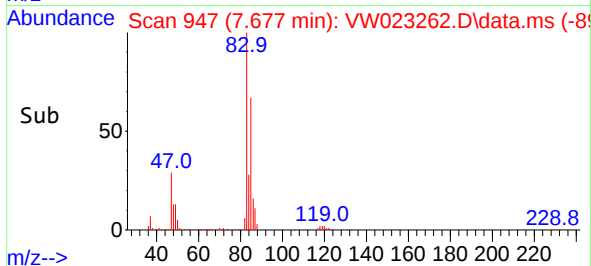
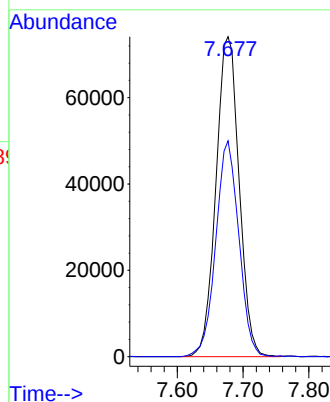
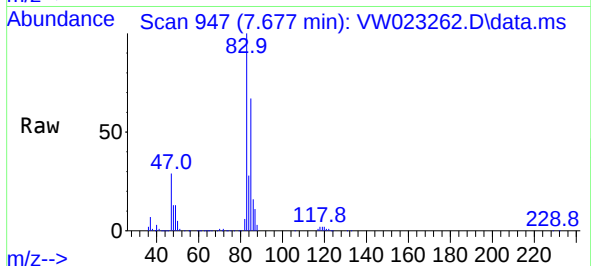




#25
Chloroform
Concen: 22.374 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

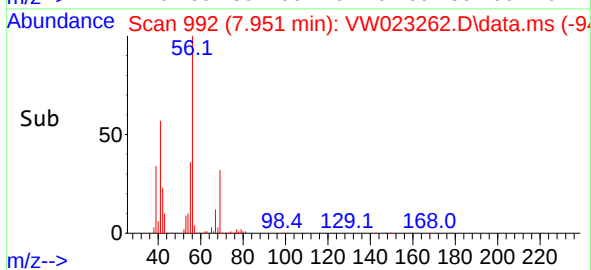
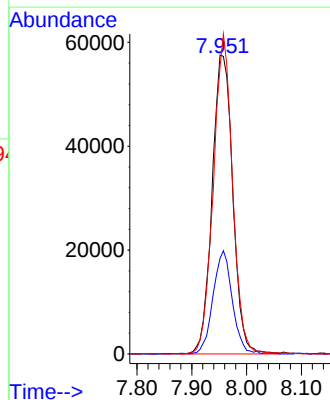
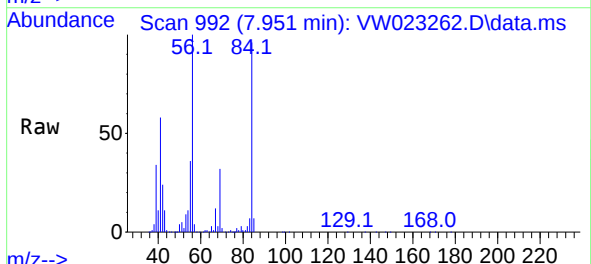
Instrument :
MSVOA_W
ClientSampleId :
GBGW7

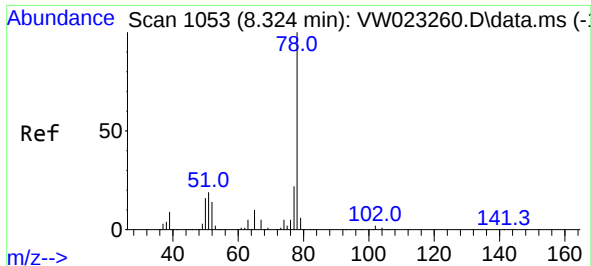
Tgt Ion: 83 Resp: 181677
Ion Ratio Lower Upper
83 100
85 67.5 46.6 86.6



#29
Cyclohexane
Concen: 23.282 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 56 Resp: 150511
Ion Ratio Lower Upper
56 100
69 32.0 25.6 38.4
84 99.5 78.2 117.4

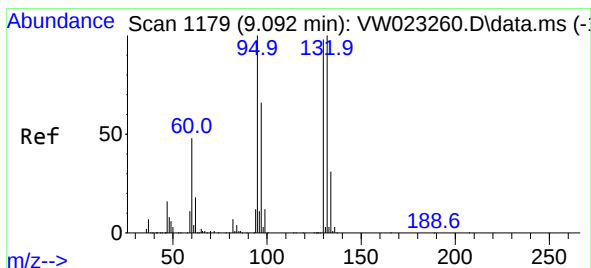
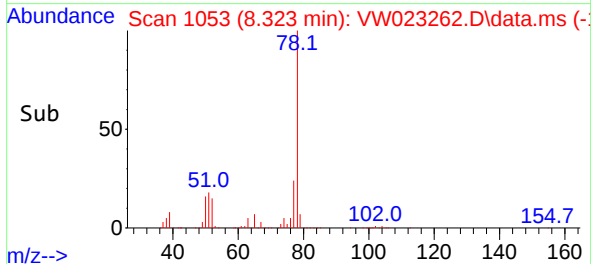
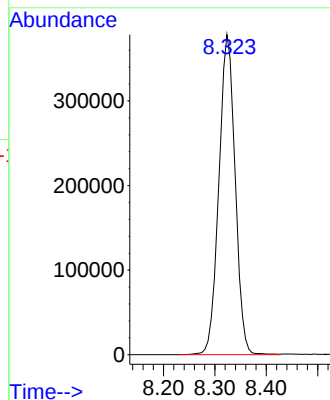
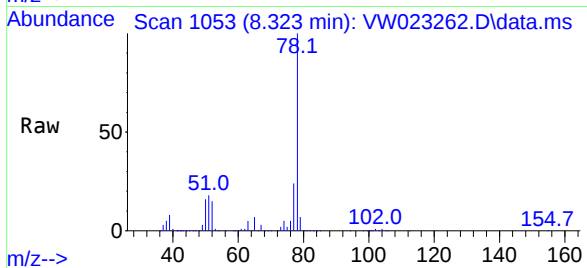




#33
Benzene
Concen: 47.191 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Instrument : MSVOA_W
ClientSampleId : GBGW7

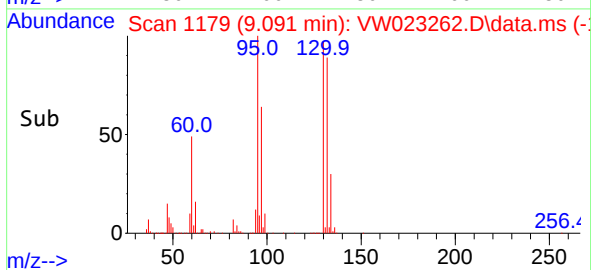
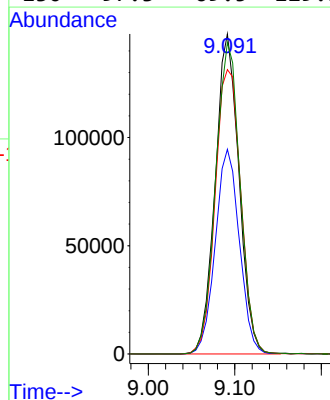
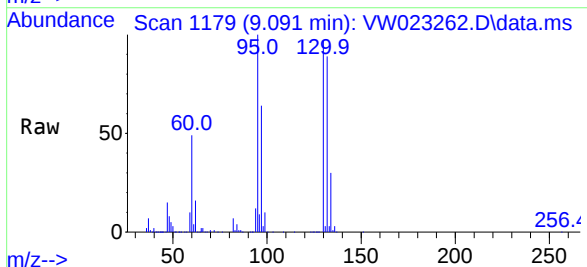
Tgt Ion: 78 Resp: 831014

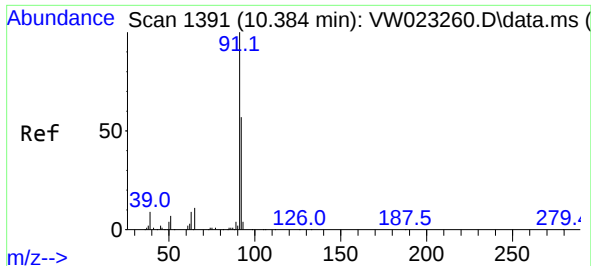


#34
Trichloroethene
Concen: 58.045 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 95 Resp: 281103

Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.1	85.7
132	88.8	66.9	124.3
130	97.3	69.5	129.1

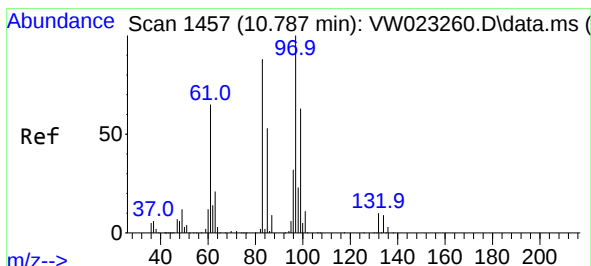
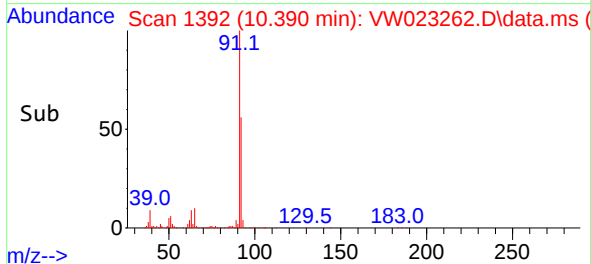
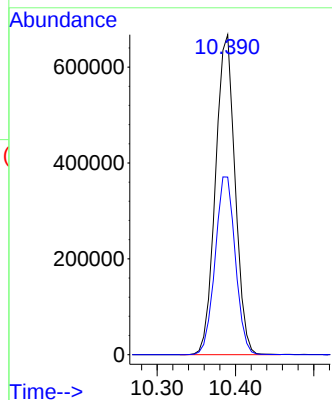
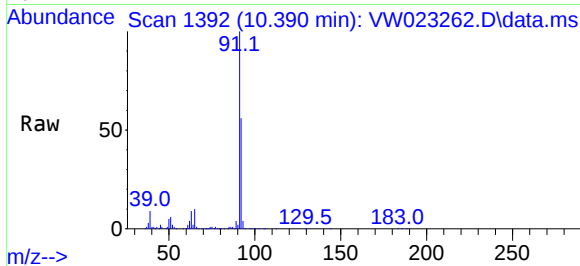




#42
Toluene
Concen: 58.726 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

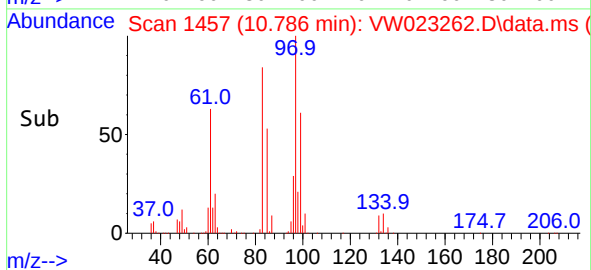
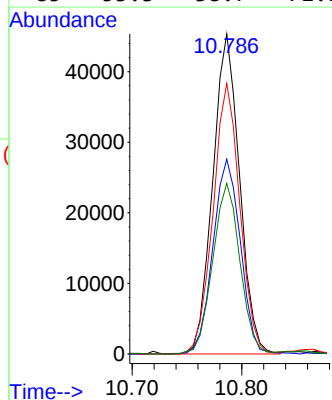
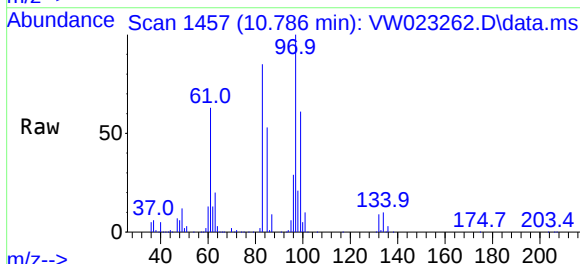
Instrument :
MSVOA_W
ClientSampleId :
GBGW7

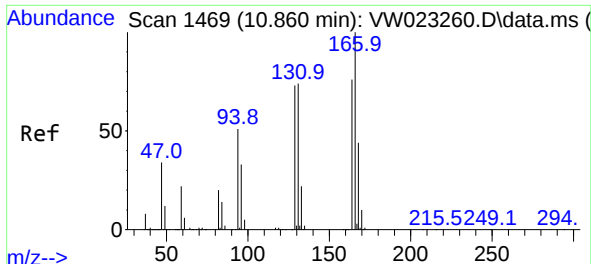
Tgt Ion: 91 Resp: 1158961
Ion Ratio Lower Upper
91 100
92 55.5 41.6 77.2



#45
1,1,2-Trichloroethane
Concen: 21.600 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion: 97 Resp: 76949
Ion Ratio Lower Upper
97 100
99 60.9 44.7 82.9
83 84.5 58.4 108.4
85 53.3 38.7 71.9



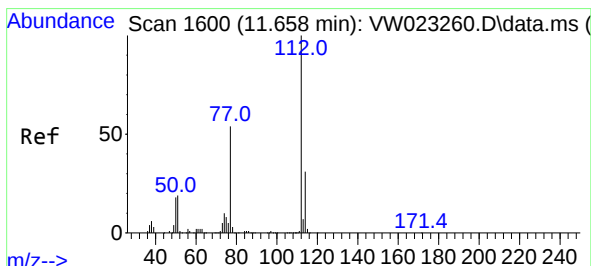
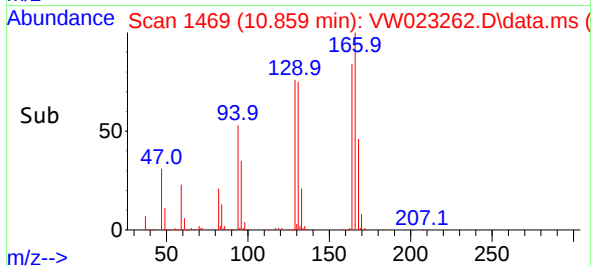
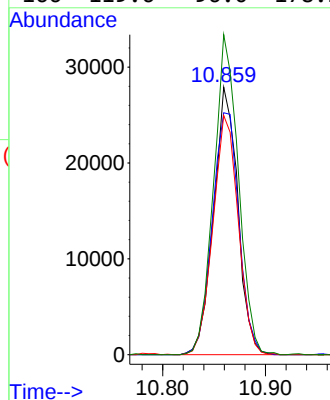
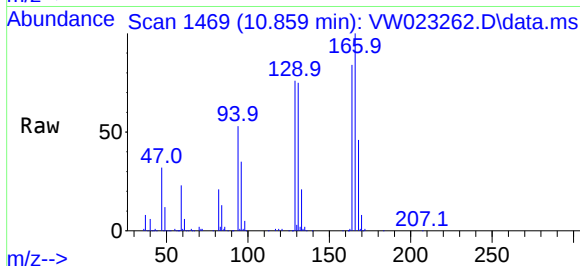


#46
Tetrachloroethene
Concen: 12.499 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Instrument :
MSVOA_W
ClientSampleId :
GBGW7

Tgt Ion:164 Resp: 45490

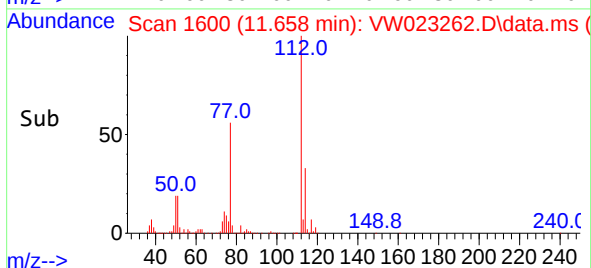
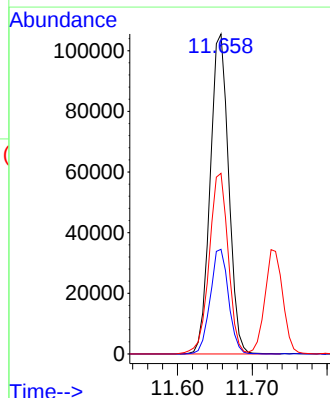
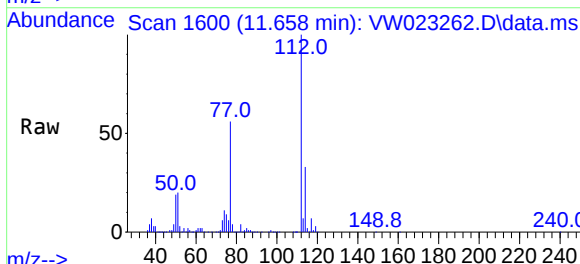
Ion	Ratio	Lower	Upper
164	100		
129	90.4	76.9	142.7
131	89.4	75.1	139.5
166	119.6	96.0	178.2

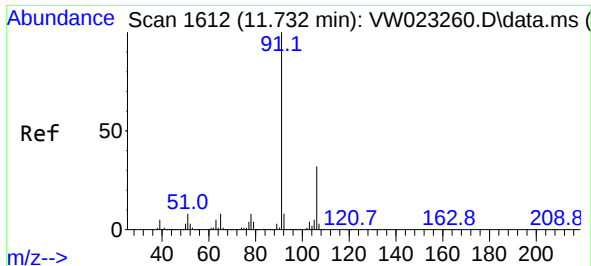


#51
Chlorobenzene
Concen: 13.910 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion:112 Resp: 180971

Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.0	41.0
77	56.5	42.6	63.8





#52

Ethylbenzene

Concen: 29.050 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023262.D

Acq: 24 May 2022 10:39

Instrument :

MSVOA_W

ClientSampleId :

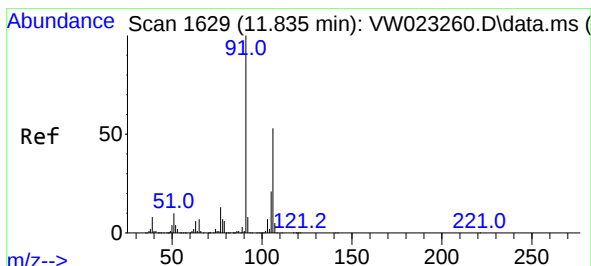
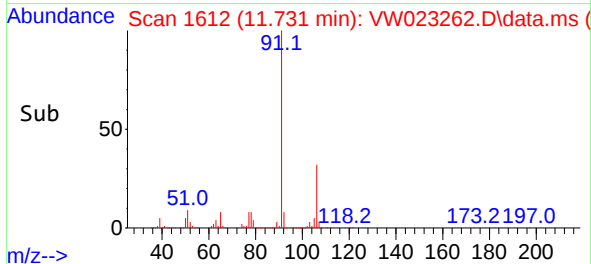
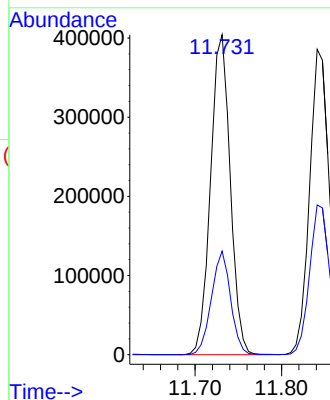
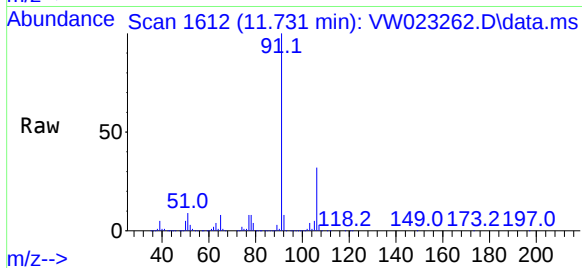
GBGW7

Tgt Ion: 91 Resp: 637818

Ion Ratio Lower Upper

91 100

106 32.3 22.3 41.3



#53

m,p-Xylene

Concen: 35.123 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VW023262.D

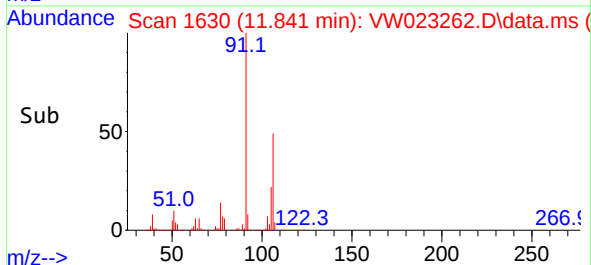
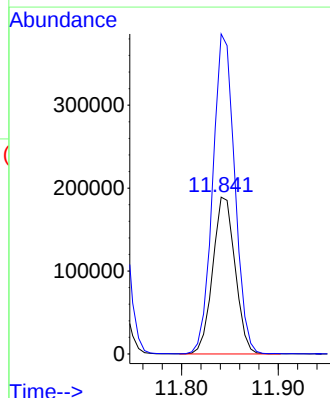
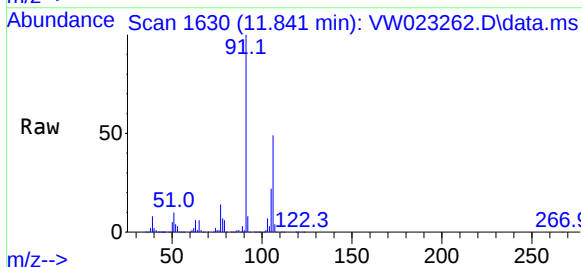
Acq: 24 May 2022 10:39

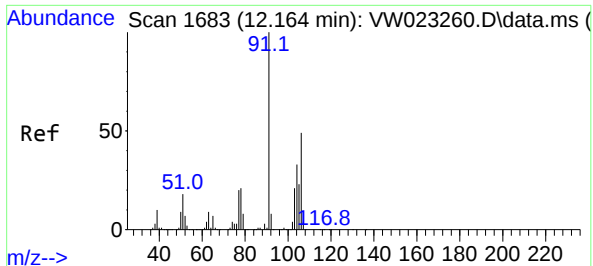
Tgt Ion:106 Resp: 303850

Ion Ratio Lower Upper

106 100

91 204.1 136.8 254.0

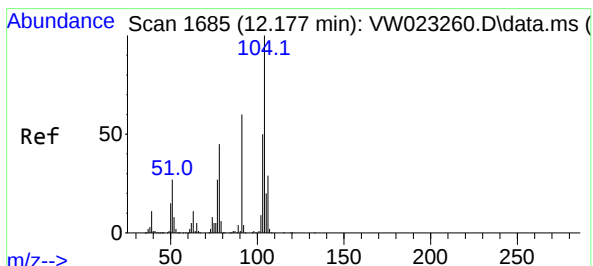
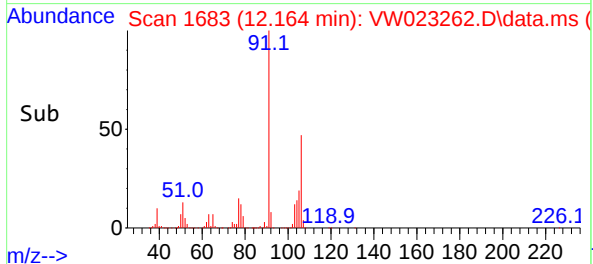
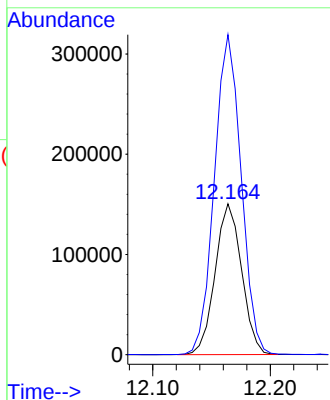
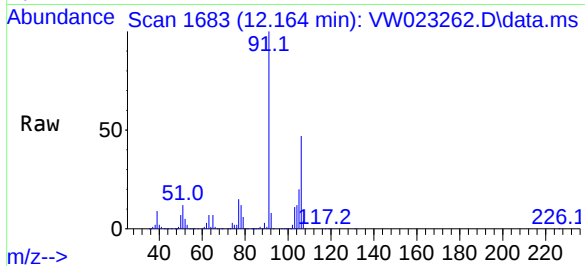




#54
o-Xylene
Concen: 28.389 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

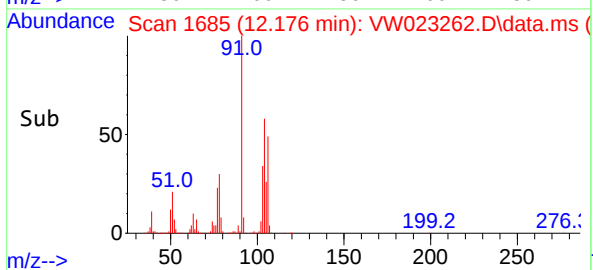
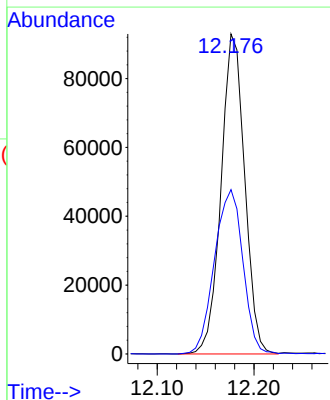
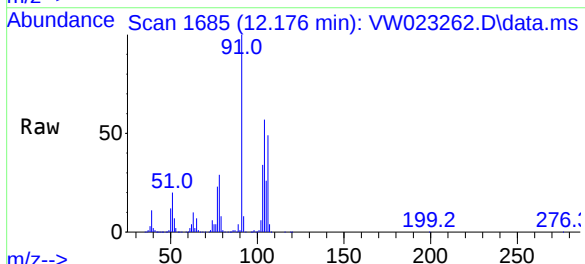
Instrument :
MSVOA_W
ClientSampleId :
GBGW7

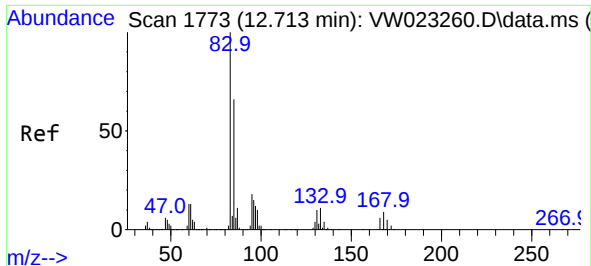
Tgt Ion:106 Resp: 235679
Ion Ratio Lower Upper
106 100
91 212.1 147.2 273.4



#55
Styrene
Concen: 11.181 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion:104 Resp: 157718
Ion Ratio Lower Upper
104 100
78 51.4 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 12.522 ug/L

RT: 12.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023262.D

Acq: 24 May 2022 10:39

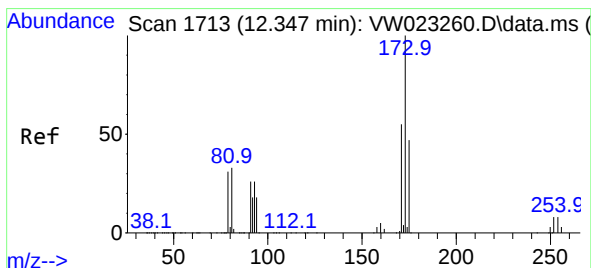
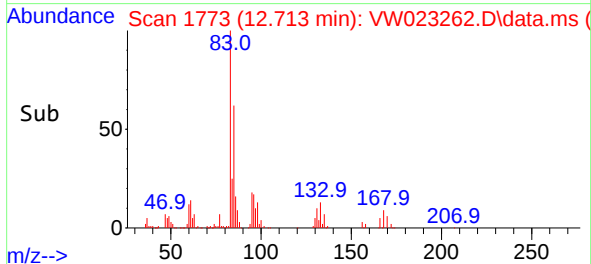
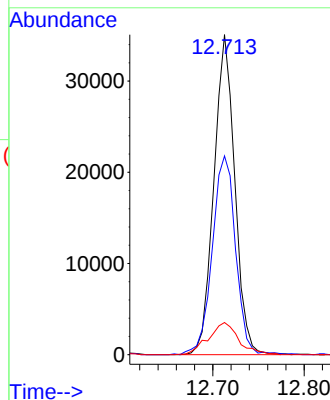
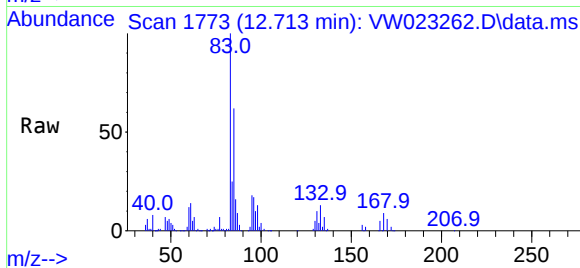
Instrument :

MSVOA_W

ClientSampleId :

GBGW7

Tgt Ion:	83	Resp:	55718
Ion	Ratio	Lower	Upper
83	100		
85	62.1	47.5	88.1
131	10.1	8.7	13.1



#59

Bromoform

Concen: 10.658 ug/L

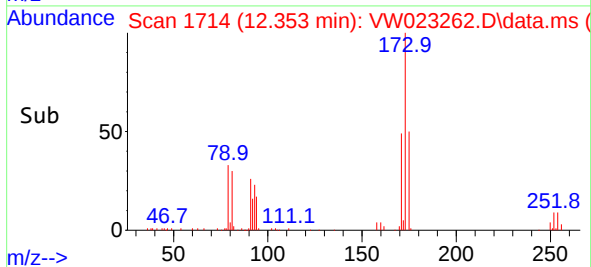
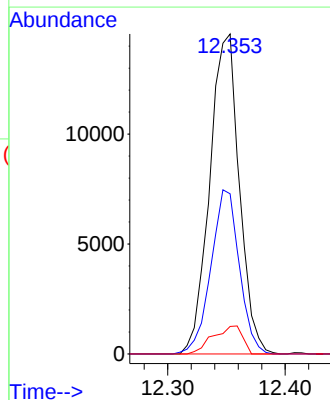
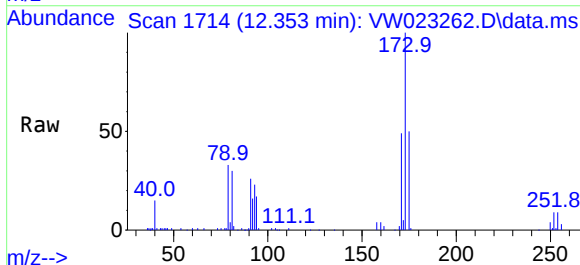
RT: 12.353 min Scan# 1714

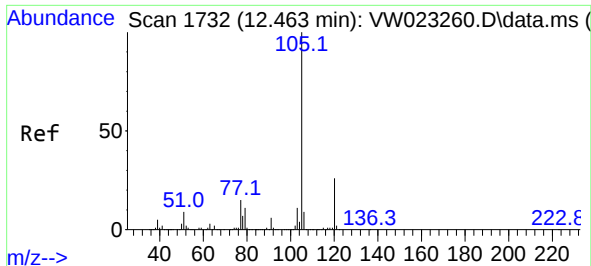
Delta R.T. 0.006 min

Lab File: VW023262.D

Acq: 24 May 2022 10:39

Tgt Ion:	173	Resp:	25486
Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.1	57.1
254	8.7	6.5	9.7

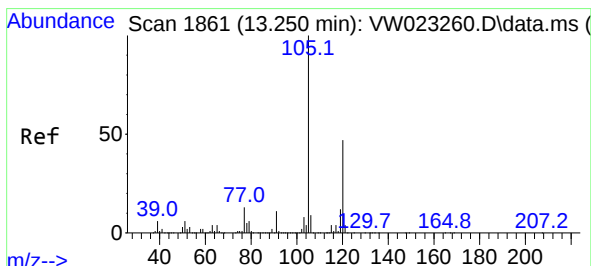
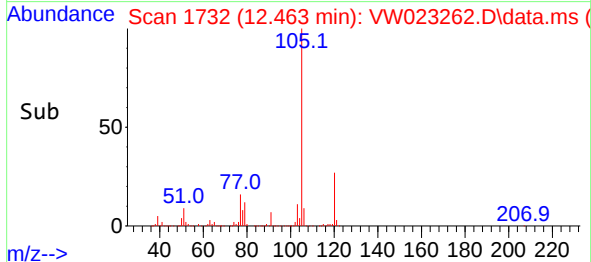
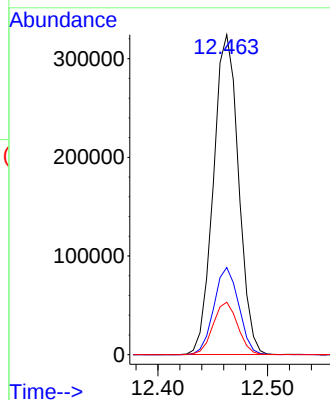
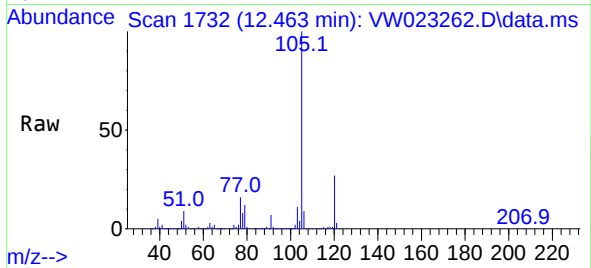




#60
Isopropylbenzene
Concen: 22.374 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

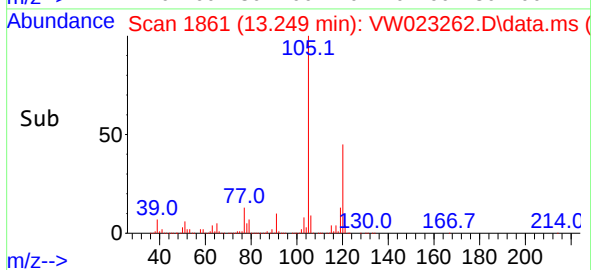
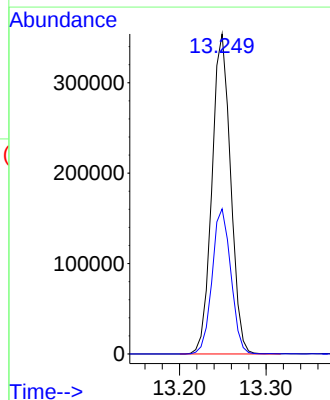
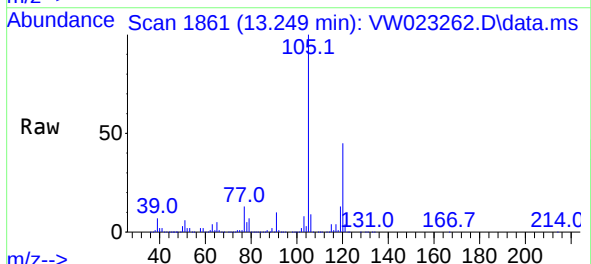
Instrument :
MSVOA_W
ClientSampleId :
GBGW7

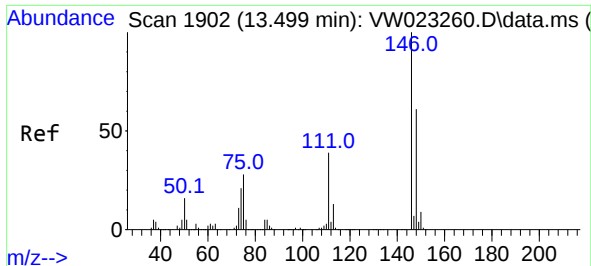
Tgt Ion:105 Resp: 517203
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 16.1 12.6 19.0



#63
1,2,4-Trimethylbenzene
Concen: 27.425 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion:105 Resp: 529568
Ion Ratio Lower Upper
105 100
120 45.4 37.4 56.2

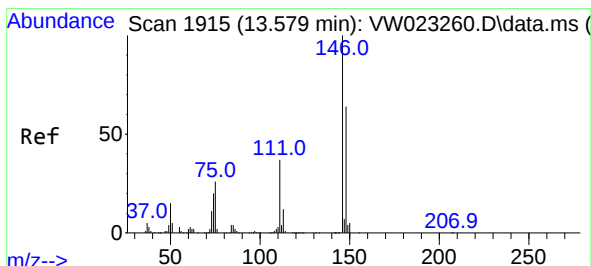
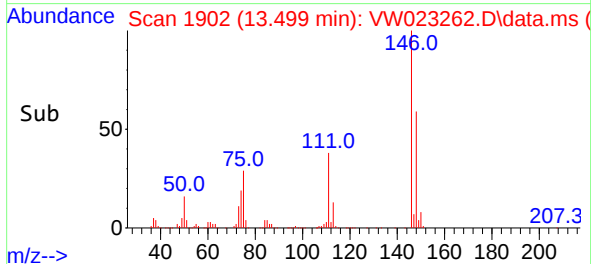
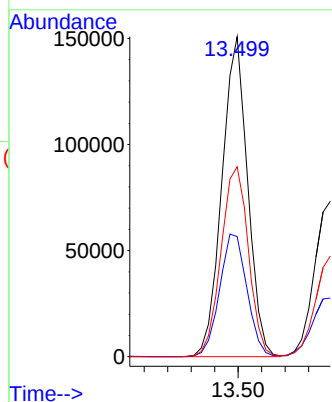
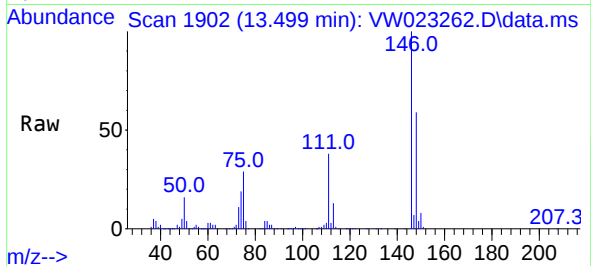




#64
1,3-Dichlorobenzene
Concen: 22.221 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

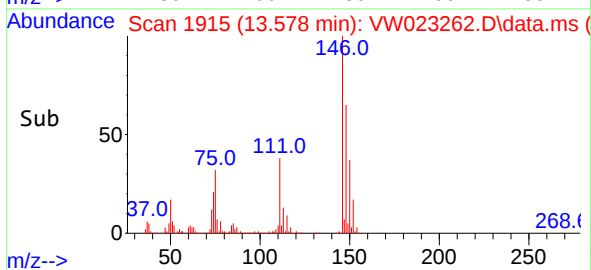
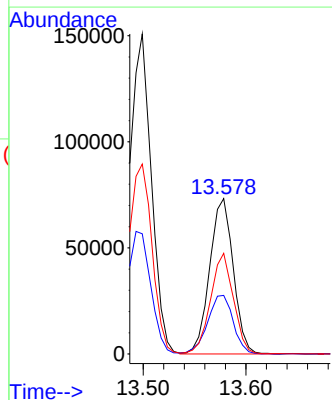
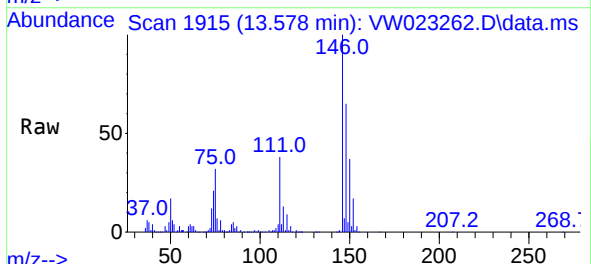
Instrument :
MSVOA_W
ClientSampleId :
GBGW7

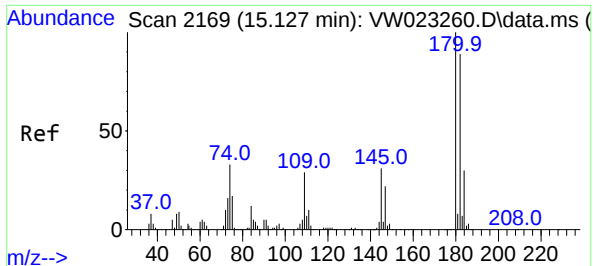
Tgt Ion:146 Resp: 229332
Ion Ratio Lower Upper
146 100
111 37.6 29.5 54.9
148 59.3 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 10.958 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion:146 Resp: 116810
Ion Ratio Lower Upper
146 100
111 37.6 27.2 50.4
148 64.8 44.0 81.6

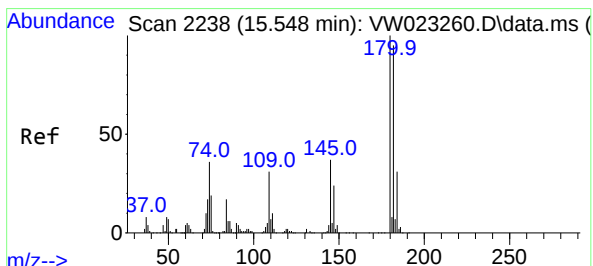
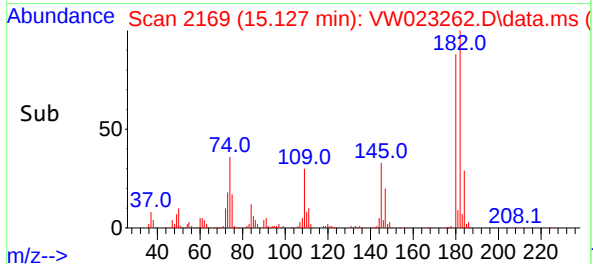
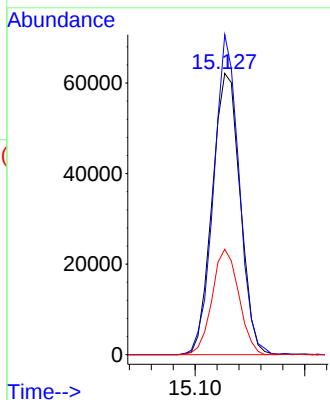
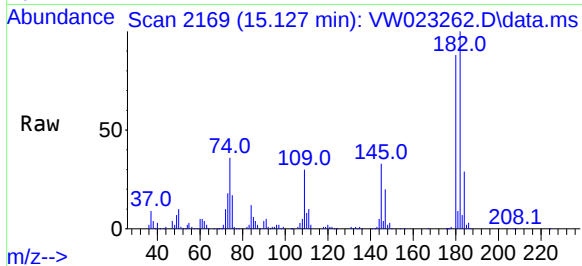




#70
1,2,4-trichlorobenzene
Concen: 19.929 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Instrument :
MSVOA_W
ClientSampleId :
GBGW7

Tgt Ion:180 Resp: 109824
Ion Ratio Lower Upper
180 100
182 103.0 74.9 112.3
145 35.8 26.6 39.8



#72
1,2,3-Trichlorobenzene
Concen: 31.880 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW023262.D
Acq: 24 May 2022 10:39

Tgt Ion:180 Resp: 155708
Ion Ratio Lower Upper
180 100
182 92.8 73.5 110.3
145 34.9 27.9 41.9

