

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011722\
 Data File : VW021966.D
 Acq On : 17 Jan 2022 10:58
 Operator : SY/VA
 Sample : N1129-17
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBLZ2

Quant Time: Jan 18 00:37:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jan 18 00:36:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	131913	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	128361	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	78782	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	51228	20.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.560%
7) Chloroethane-d5	2.879	69	35896	16.213	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.840%
11) 1,1-Dichloroethene-d2	4.019	63	82580	21.334	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.320%
21) 2-Butanone-d5	7.086	46	21702	62.711	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.420%
24) Chloroform-d	7.653	84	102811	24.125	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.520%
26) 1,2-Dichloroethane-d4	8.305	65	50884	24.726	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.920%
32) Benzene-d6	8.275	84	199815	23.990	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.960%
36) 1,2-Dichloropropane-d6	9.274	67	54240	24.707	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.840%
41) Toluene-d8	10.323	98	196898	23.451	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	10.579	79	22721	24.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.520%
47) 2-Hexanone-d5	10.920	63	19632	65.905	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.800%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	46379	27.017	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	79250	24.464	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.840%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.007	85	5378	10.342	ug/L	97
3) Chloromethane	2.215	50	24826	13.167	ug/L	97
5) Vinyl chloride	2.361	62	65424	24.154	ug/L	99
6) Bromomethane	2.776	94	26304	13.734	ug/L	87
8) Chloroethane	2.916	64	11429	6.982	ug/L	93
9) Trichlorofluoromethane	3.263	101	20160	10.016	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	48858	22.300	ug/L	89
12) 1,1-Dichloroethene	4.038	96	34362	17.452	ug/L	71
15) Methyl Acetate	4.678	43	17333	29.995	ug/L	# 85
16) Methylene chloride	4.915	84	41495	18.380	ug/L	83
18) Methyl tert-butyl Ether	5.434	73	124797	45.996	ug/L	# 90
22) 2-Butanone	7.177	43	41118	112.511	ug/L	83
25) Chloroform	7.677	83	77049	20.870	ug/L	99
29) Cyclohexane	7.958	56	65660	22.865	ug/L	# 75
33) Benzene	8.323	78	342740	43.545	ug/L	100
34) Trichloroethene	9.091	95	127250	55.725	ug/L	91
42) Toluene	10.390	91	487654	55.241	ug/L	100
45) 1,1,2-Trichloroethane	10.786	97	32703	22.464	ug/L	92
46) Tetrachloroethene	10.859	164	24020	10.637	ug/L	97

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

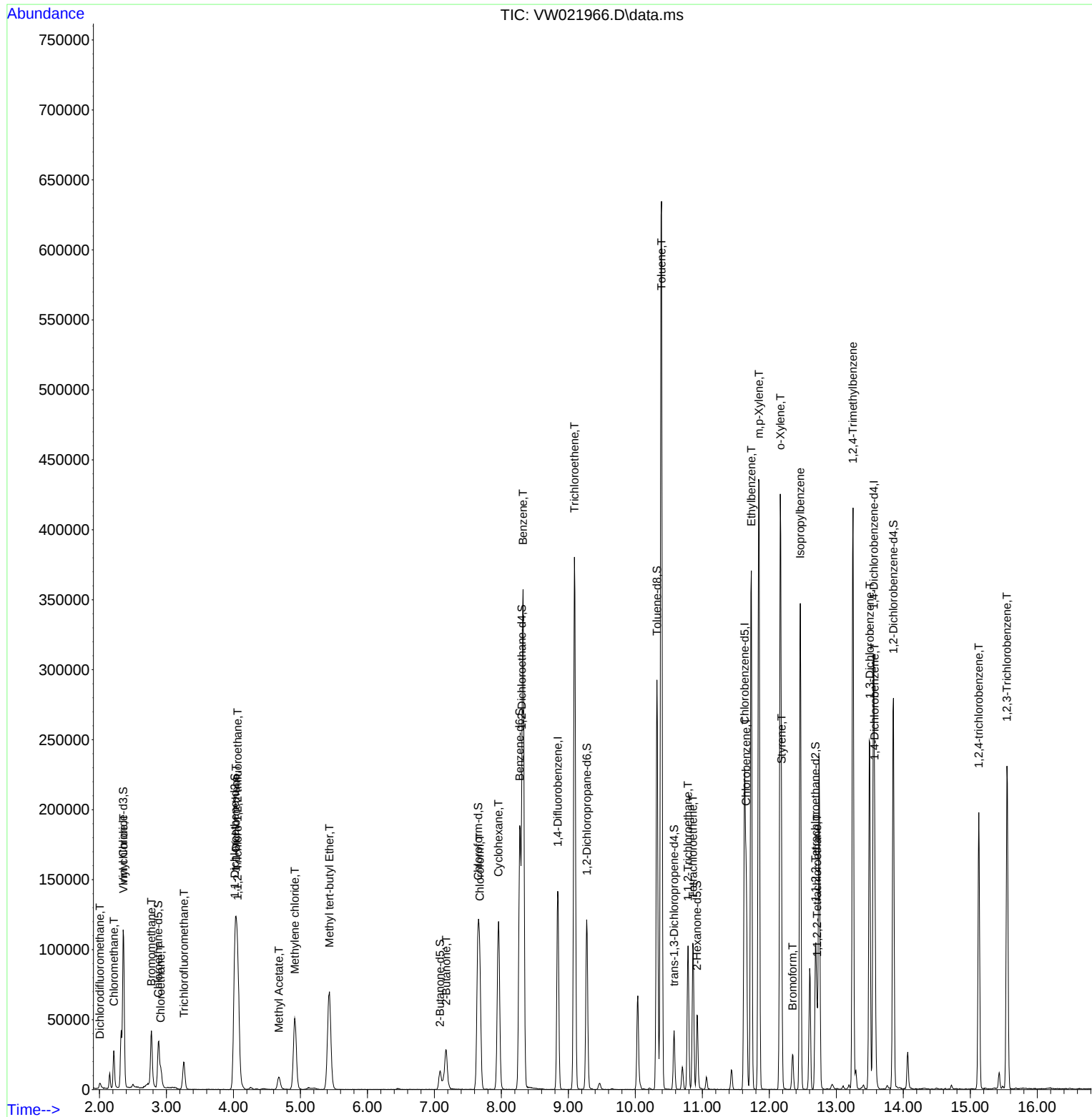
51) Chlorobenzene	11.652	112	84383	13.538	ug/L	90
52) Ethylbenzene	11.731	91	271635	27.699	ug/L	95
53) m,p-Xylene	11.847	106	132950	32.422	ug/L	84
54) o-Xylene	12.164	106	108203	28.423	ug/L	81
55) Styrene	12.182	104	72253	11.496	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.713	83	20941	13.369	ug/L #	94
59) Bromoform	12.347	173	11554	10.757	ug/L	100
60) Isopropylbenzene	12.463	105	235191	21.923	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	232233	26.505	ug/L	92
64) 1,3-Dichlorobenzene	13.499	146	114146	21.162	ug/L	87
65) 1,4-Dichlorobenzene	13.572	146	55484	10.418	ug/L	92
70) 1,2,4-trichlorobenzene	15.127	180	63278	19.809	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	82652	31.332	ug/L	99

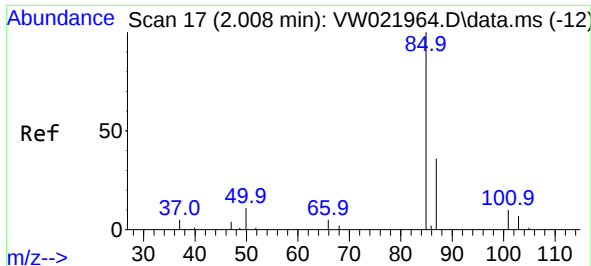
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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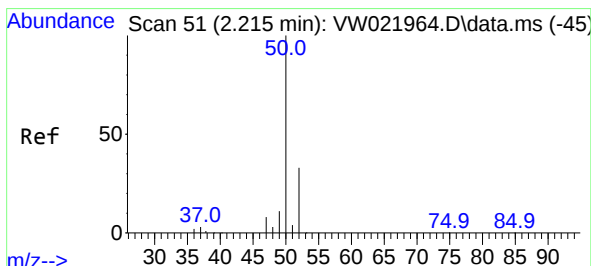
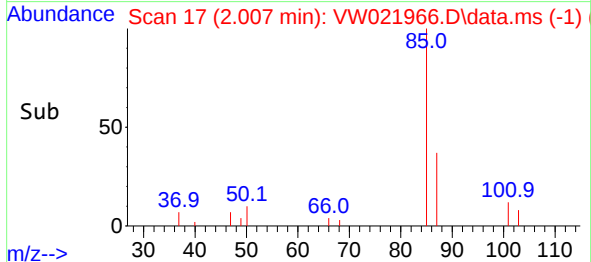
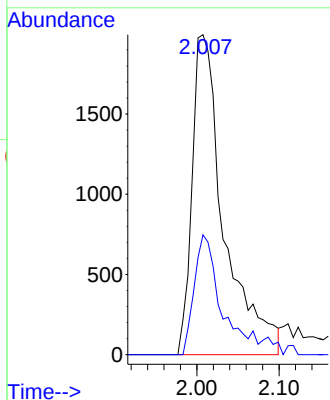
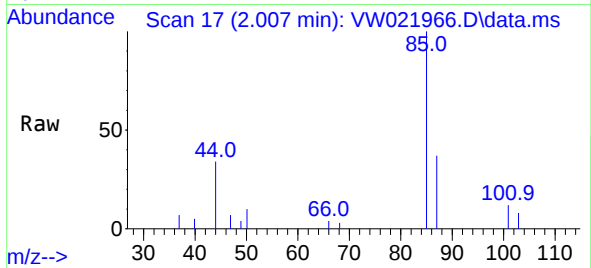




#2
Dichlorodifluoromethane
Concen: 10.342 ug/L
RT: 2.007 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

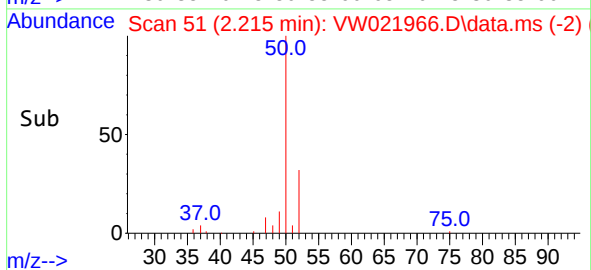
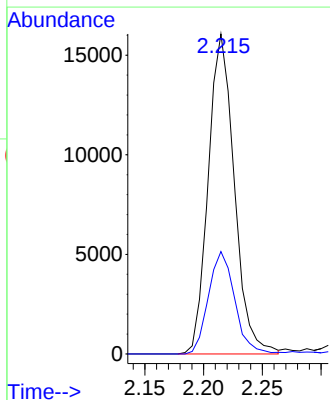
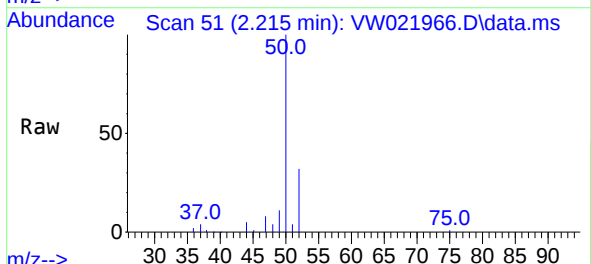
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

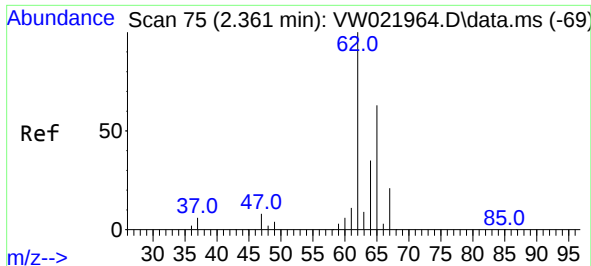
Tgt Ion: 85 Resp: 5378
Ion Ratio Lower Upper
85 100
87 30.3 25.8 38.6



#3
Chloromethane
Concen: 13.167 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion: 50 Resp: 24826
Ion Ratio Lower Upper
50 100
52 32.0 23.4 43.6

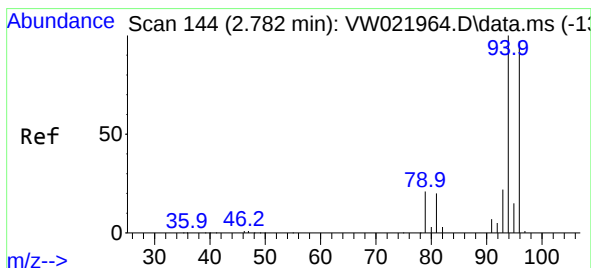
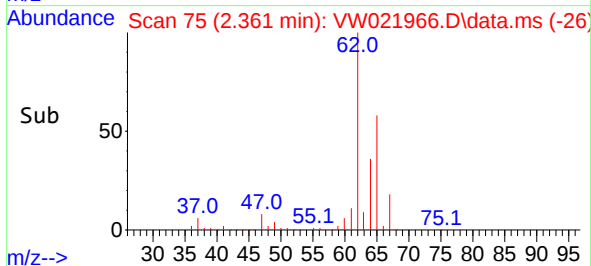
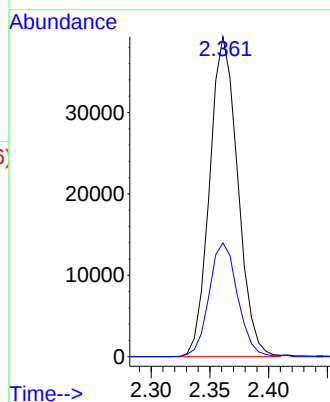
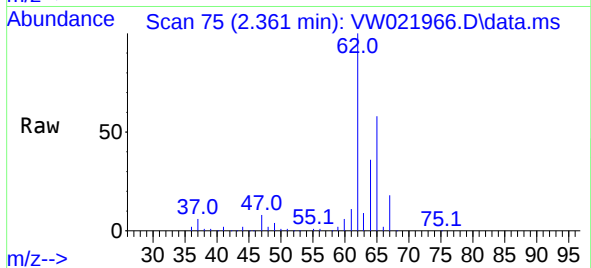




#5
 Vinyl chloride
 Concen: 24.154 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW021966.D
 Acq: 17 Jan 2022 10:58

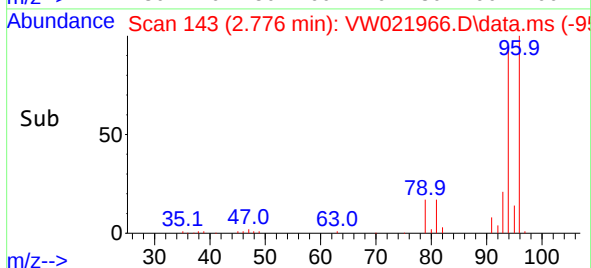
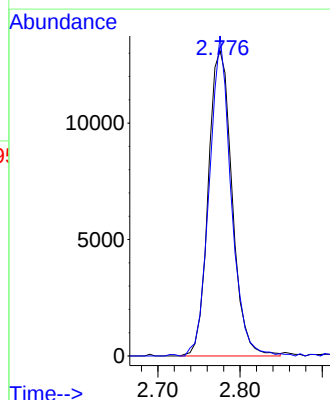
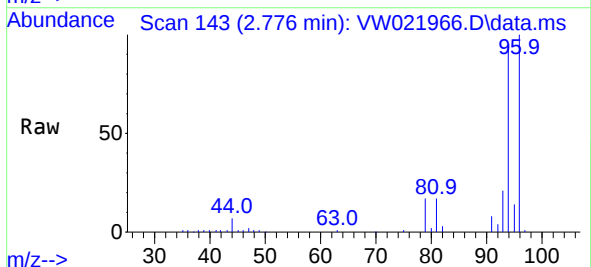
Instrument :
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 ClientSampleId :
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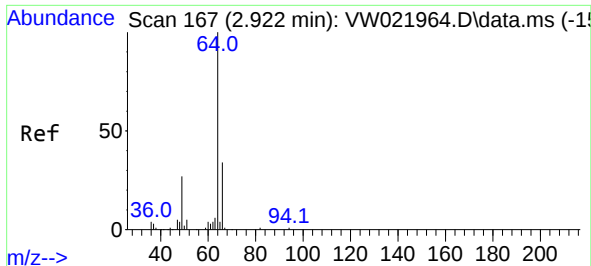
Tgt Ion: 62 Resp: 65424
 Ion Ratio Lower Upper
 62 100
 64 35.6 24.4 45.2



#6
 Bromomethane
 Concen: 13.734 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW021966.D
 Acq: 17 Jan 2022 10:58

Tgt Ion: 94 Resp: 26304
 Ion Ratio Lower Upper
 94 100
 96 104.8 64.8 120.4

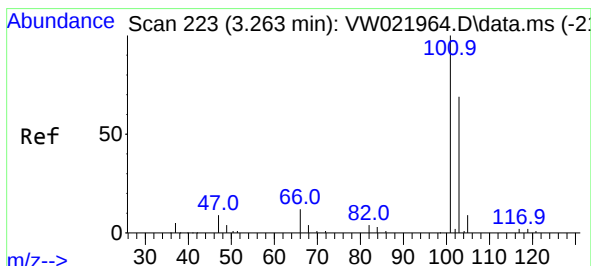
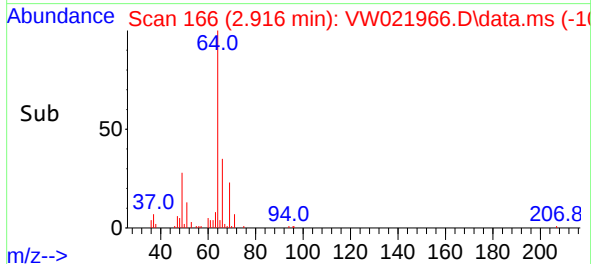
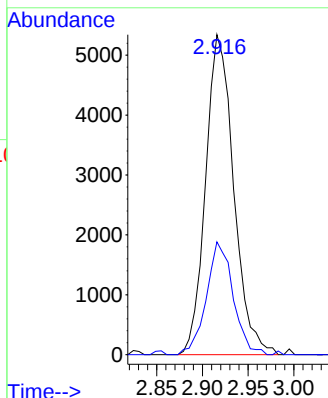
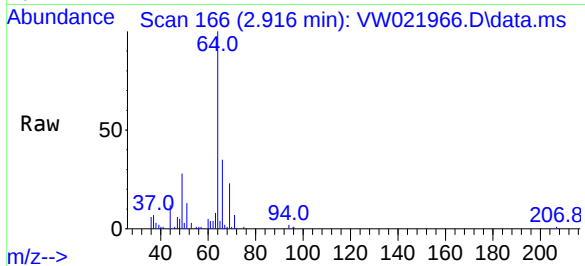




#8
Chloroethane
Concen: 6.982 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

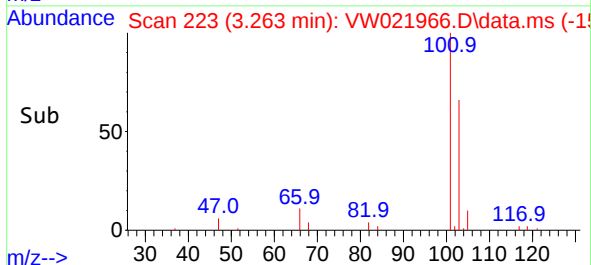
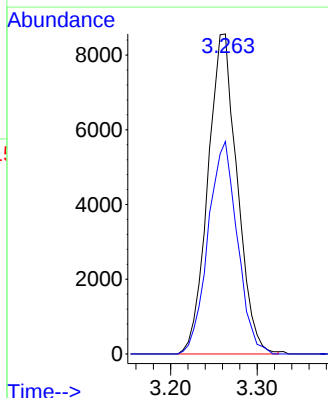
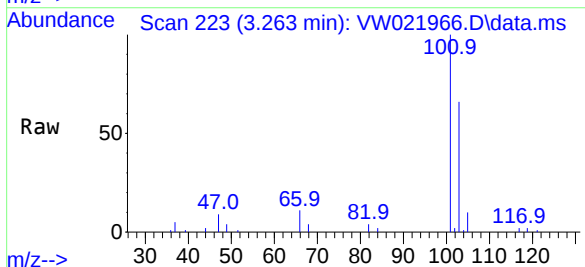
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

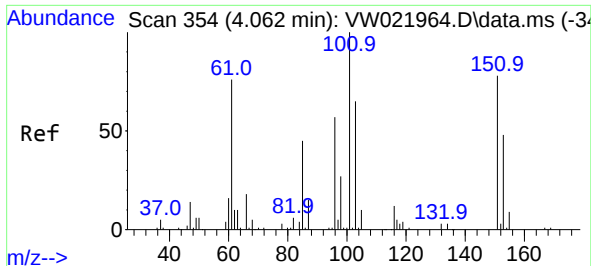
Tgt Ion: 64 Resp: 11429
Ion Ratio Lower Upper
64 100
66 35.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 10.016 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion: 101 Resp: 20160
Ion Ratio Lower Upper
101 100
103 66.2 51.4 77.2

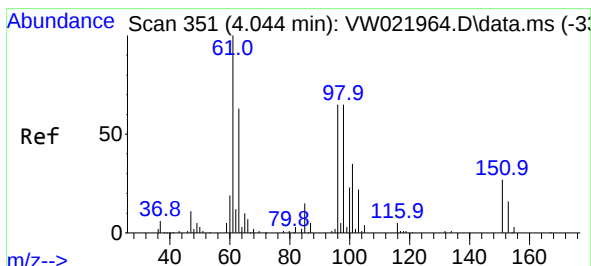
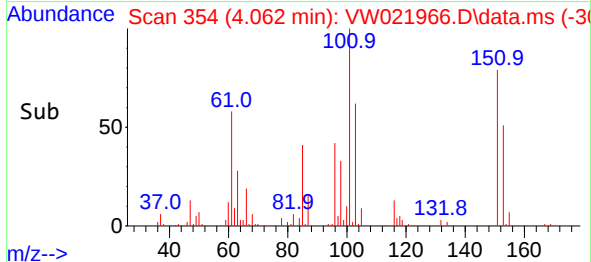
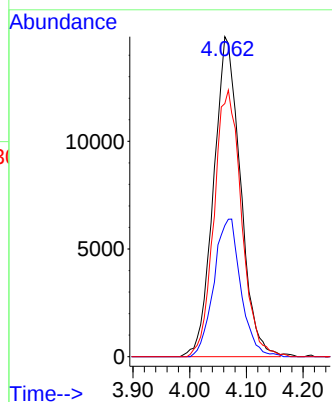
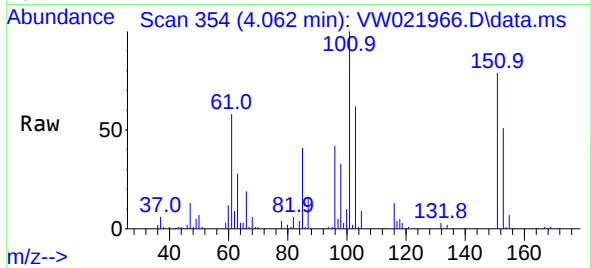




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.300 ug/L
RT: 4.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

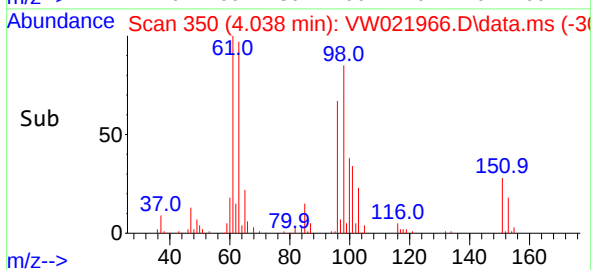
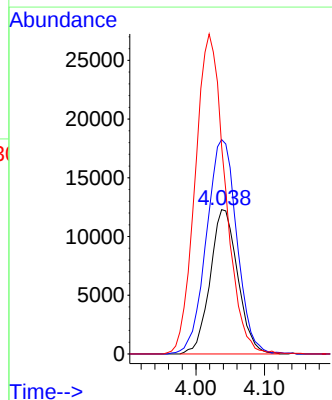
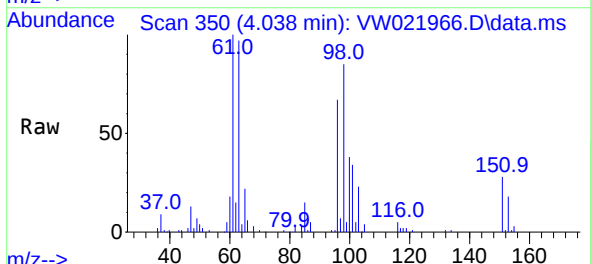
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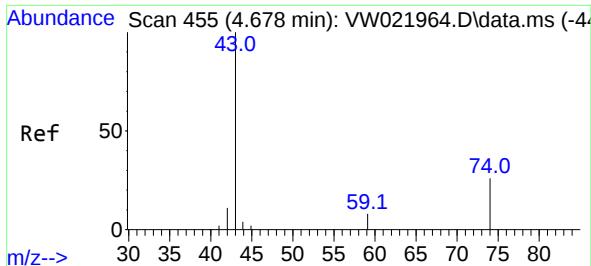
Tgt Ion:101 Resp: 48858
Ion Ratio Lower Upper
101 100
85 43.2 36.6 54.8
151 85.0 57.4 86.0



#12
1,1-Dichloroethene
Concen: 17.452 ug/L
RT: 4.038 min Scan# 350
Delta R.T. -0.006 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion: 96 Resp: 34362
Ion Ratio Lower Upper
96 100
61 148.5 138.3 256.9
63 143.7 82.6 153.4

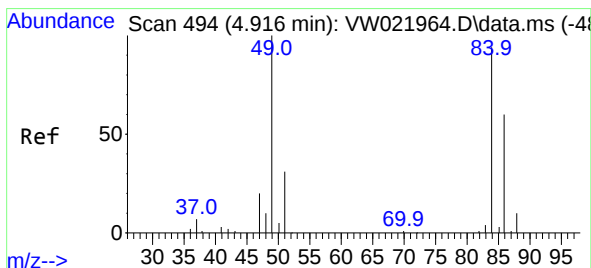
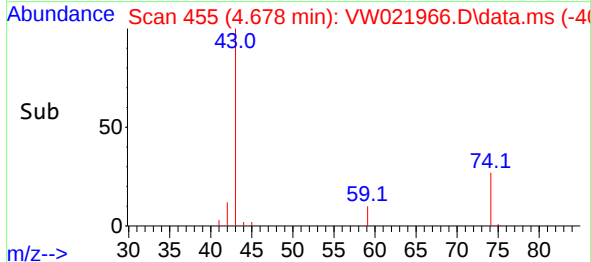
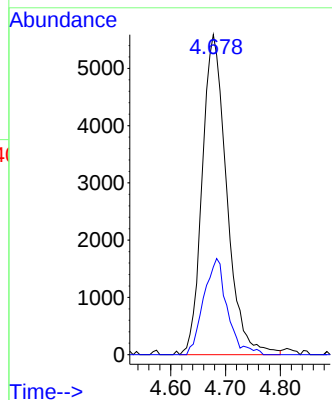
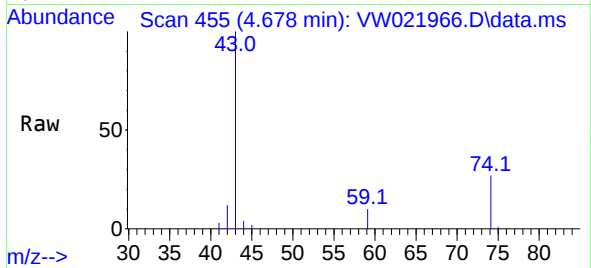




#15
Methyl Acetate
Concen: 29.995 ug/L
RT: 4.678 min Scan# 415
Delta R.T. -0.000 min
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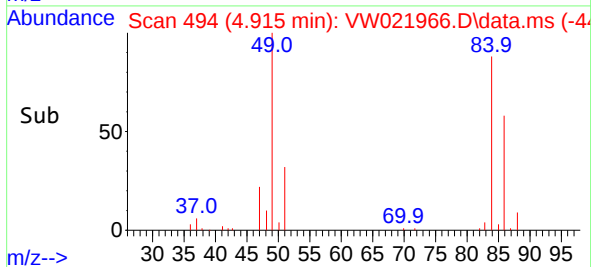
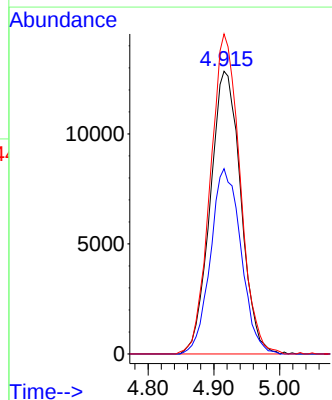
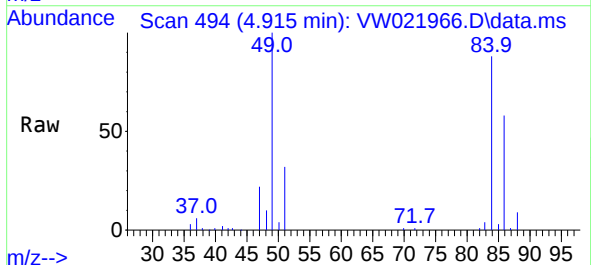
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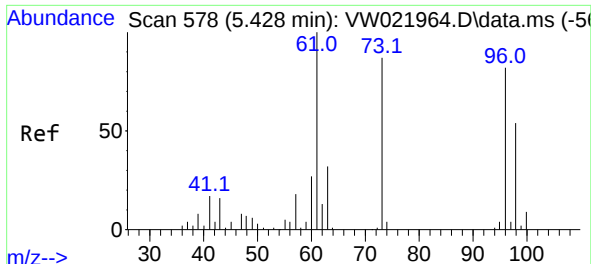
Tgt Ion: 43 Resp: 17333
Ion Ratio Lower Upper
43 100
74 27.6 16.4 24.6#



#16
Methylene chloride
Concen: 18.380 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021966.D
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Tgt Ion: 84 Resp: 41495
Ion Ratio Lower Upper
84 100
86 65.5 45.5 84.5
49 113.2 100.5 186.7

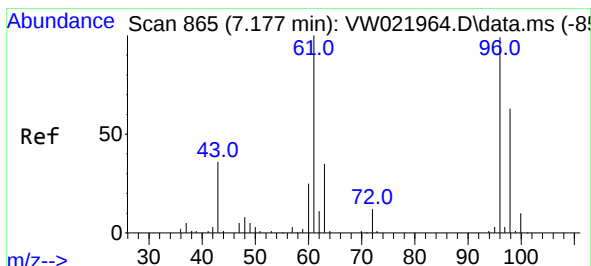
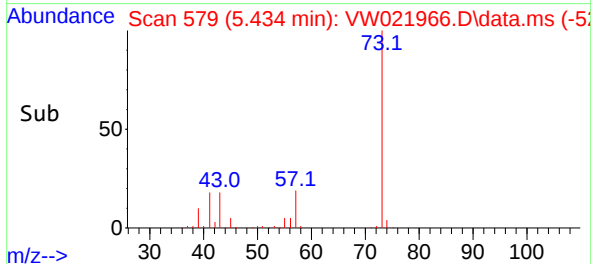
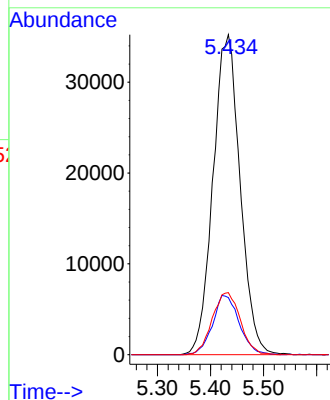
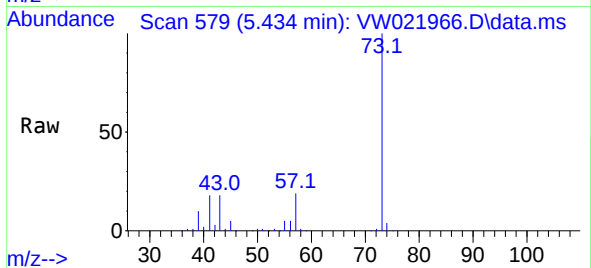




#18
Methyl tert-butyl Ether
Concen: 45.996 ug/L
RT: 5.434 min Scan# 51
Delta R.T. 0.006 min
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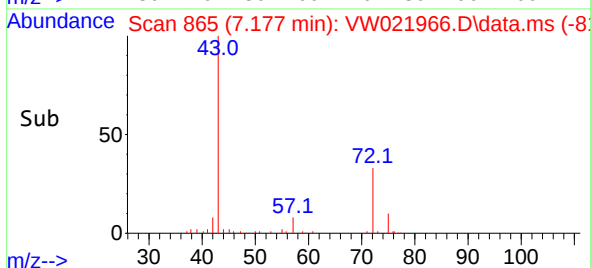
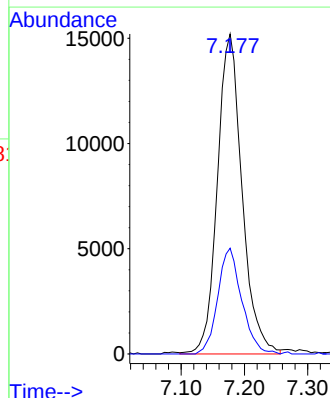
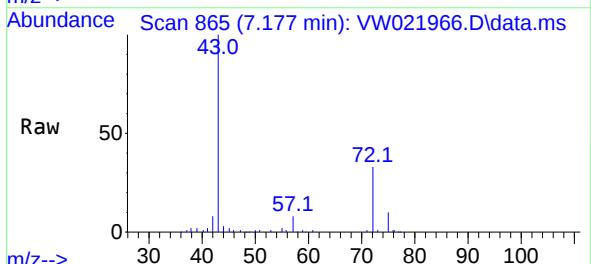
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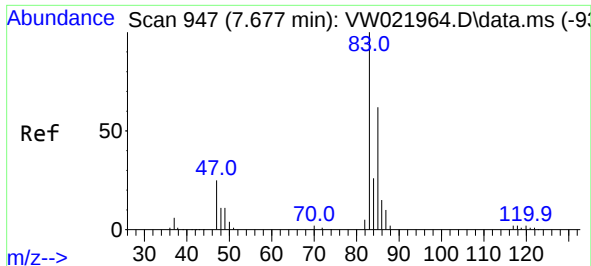
Tgt Ion: 73 Resp: 124797
Ion Ratio Lower Upper
73 100
43 18.3 19.5 29.3#
57 20.0 19.3 28.9



#22
2-Butanone
Concen: 112.511 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion: 43 Resp: 41118
Ion Ratio Lower Upper
43 100
72 31.9 11.8 35.4





#25

Chloroform

Concen: 20.870 ug/L

RT: 7.677 min Scan# 947

Delta R.T. -0.000 min

Lab File: VW021966.D

Acq: 17 Jan 2022 10:58

Instrument :

MSVOA_W

ClientSampleId :

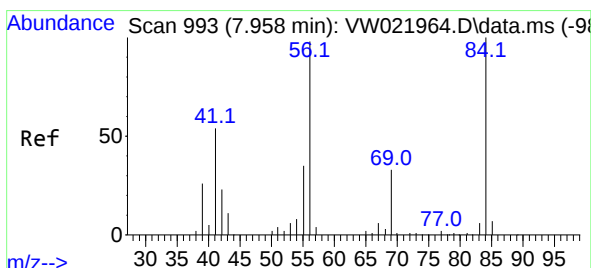
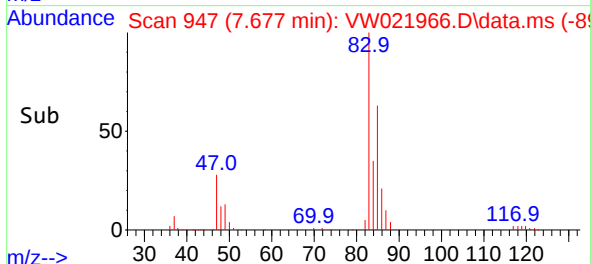
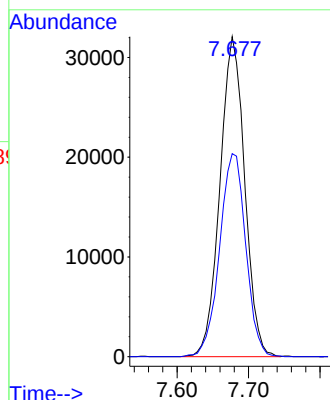
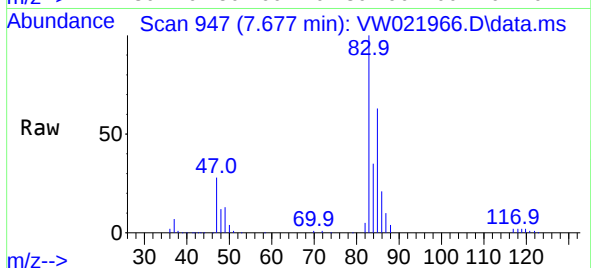
DBLZ2

Tgt Ion: 83 Resp: 77049

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7



#29

Cyclohexane

Concen: 22.865 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW021966.D

Acq: 17 Jan 2022 10:58

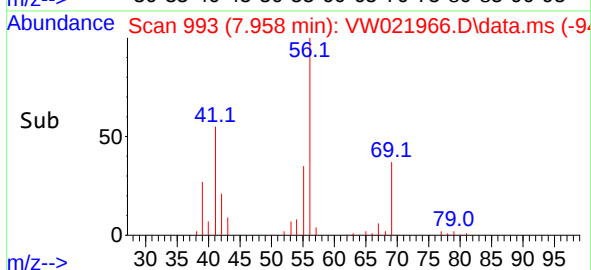
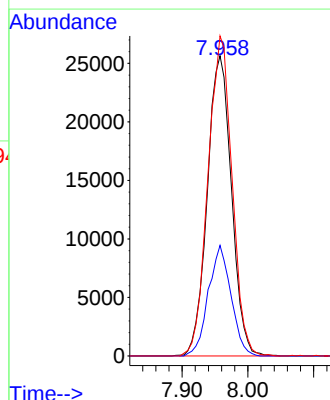
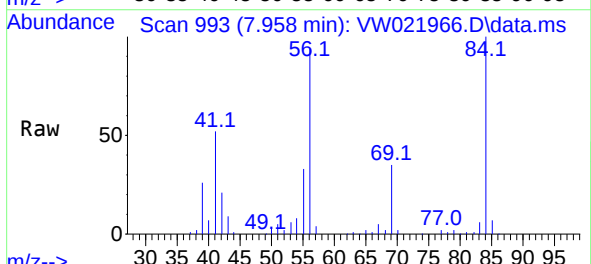
Tgt Ion: 56 Resp: 65660

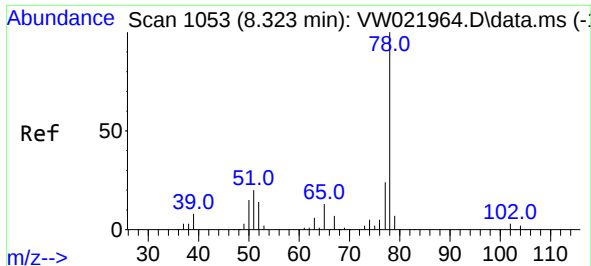
Ion Ratio Lower Upper

56 100

69 34.5 23.5 35.3

84 106.0 63.4 95.2#

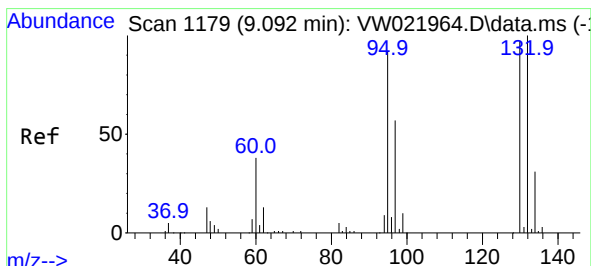
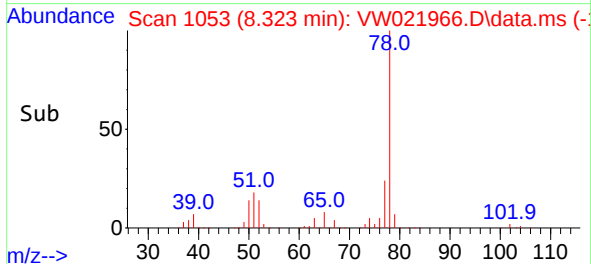
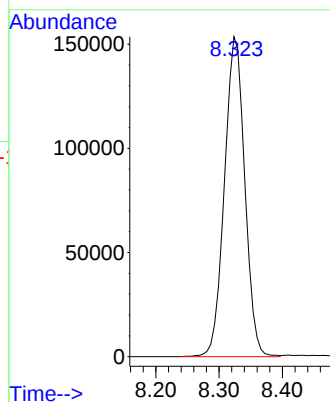
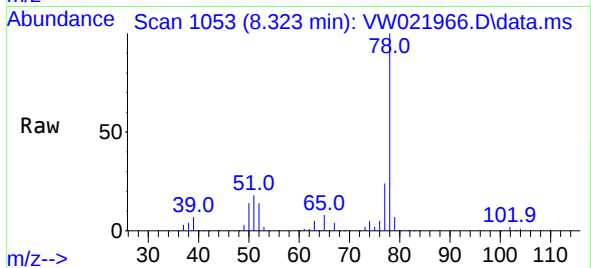




#33
Benzene
Concen: 43.545 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

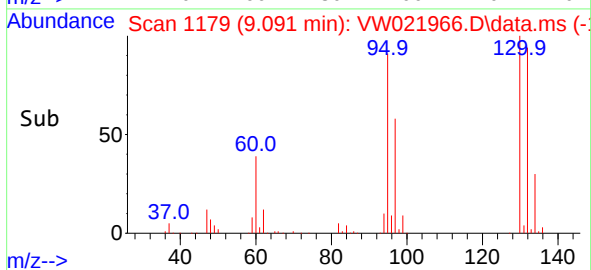
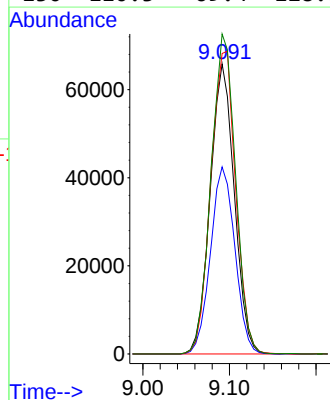
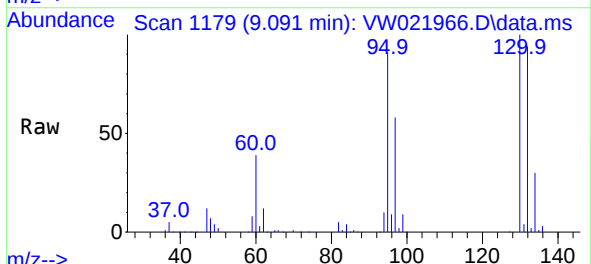
Tgt Ion: 78 Resp: 342740

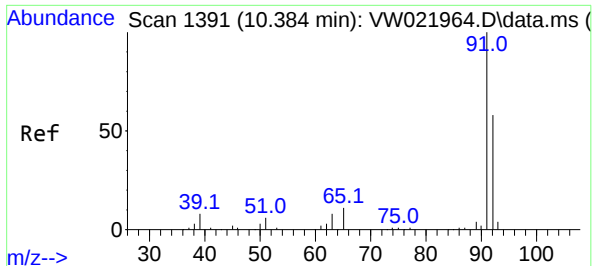


#34
Trichloroethene
Concen: 55.725 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion: 95 Resp: 127250

Ion	Ratio	Lower	Upper
95	100		
97	64.5	47.0	87.2
132	103.6	65.5	121.6
130	110.3	69.4	128.8

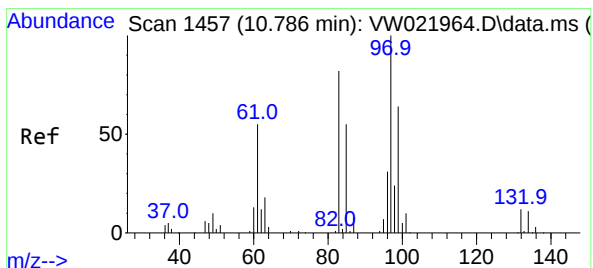
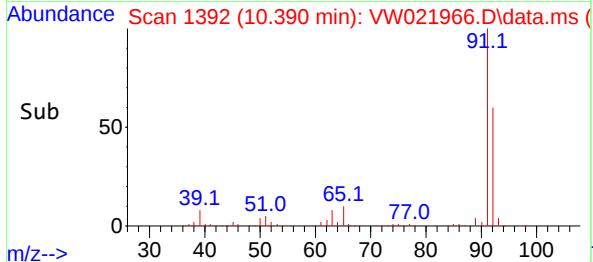
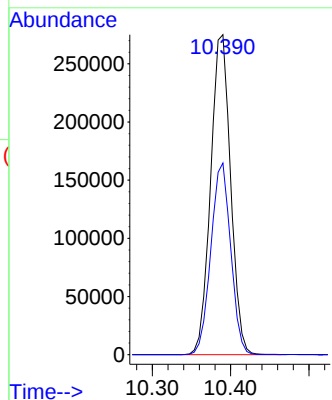
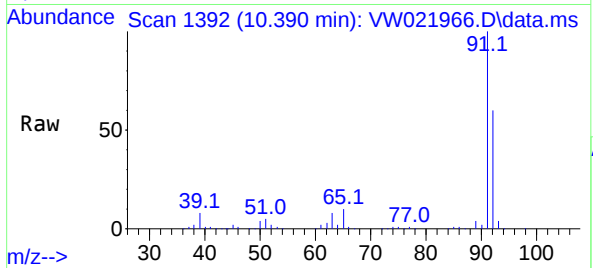




#42
Toluene
Concen: 55.241 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

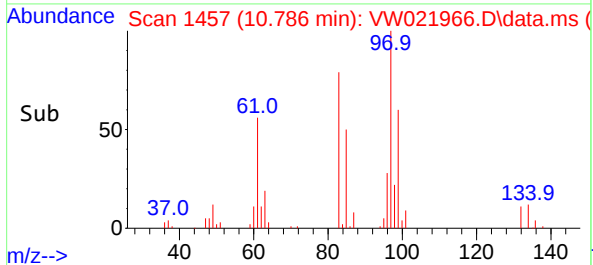
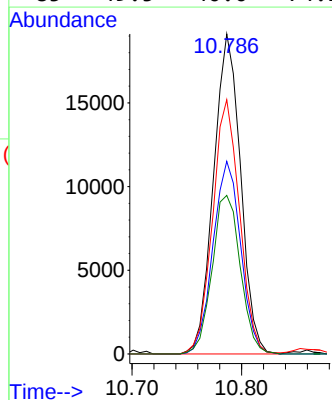
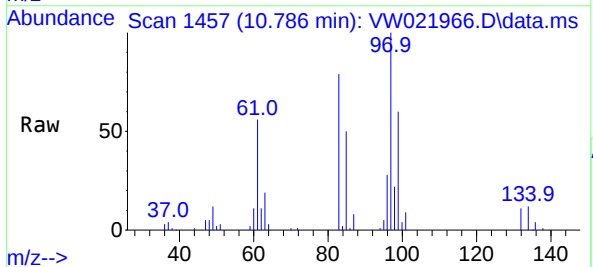
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

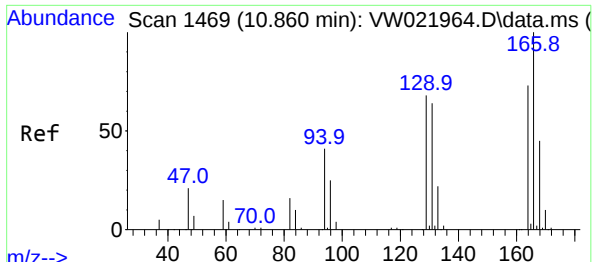
Tgt Ion: 91 Resp: 487654
Ion Ratio Lower Upper
91 100
92 59.9 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 22.464 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion: 97 Resp: 32703
Ion Ratio Lower Upper
97 100
99 60.2 43.0 79.8
83 79.4 62.6 116.3
85 49.5 40.0 74.2



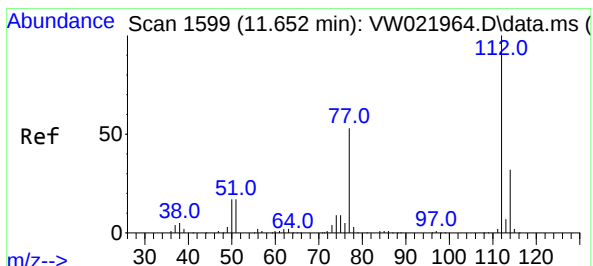
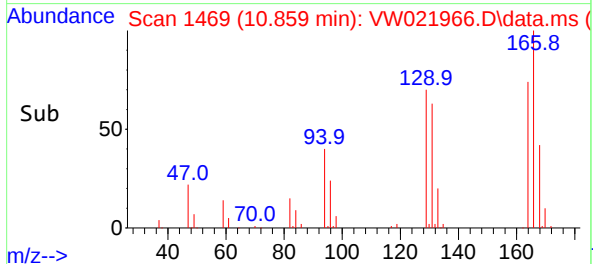
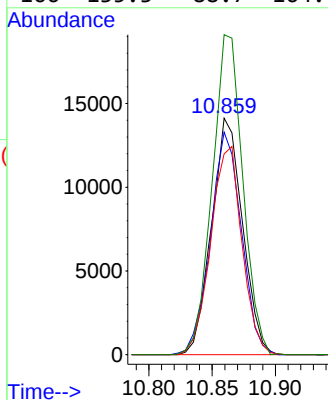
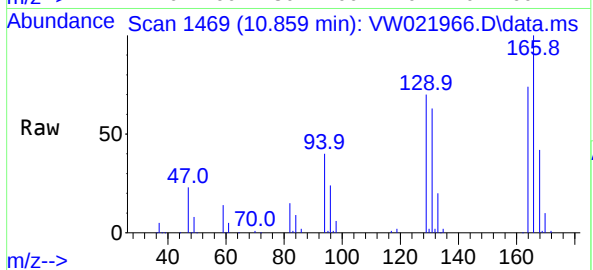


#46
Tetrachloroethene
Concen: 10.637 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

Tgt Ion:164 Resp: 24020

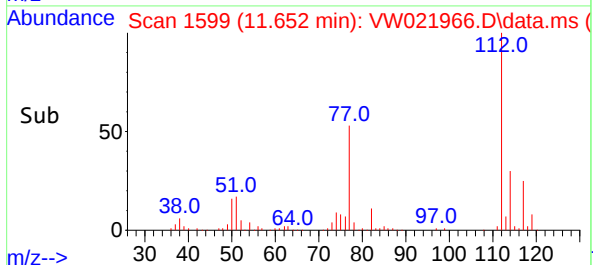
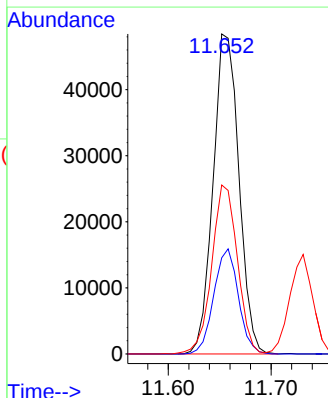
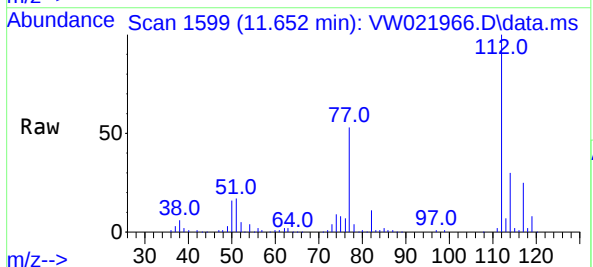
Ion	Ratio	Lower	Upper
164	100		
129	94.1	65.5	121.7
131	84.9	59.7	110.9
166	135.3	88.7	164.7

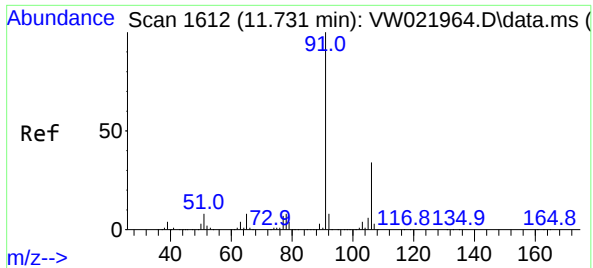


#51
Chlorobenzene
Concen: 13.538 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion:112 Resp: 84383

Ion	Ratio	Lower	Upper
112	100		
114	30.0	22.4	41.6
77	52.8	50.2	75.4

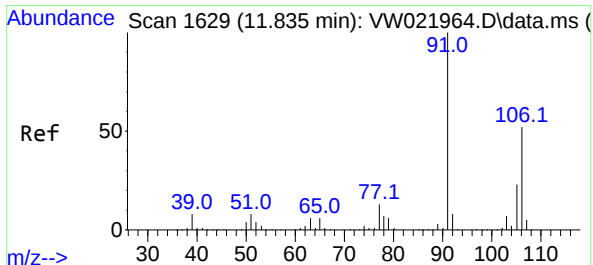
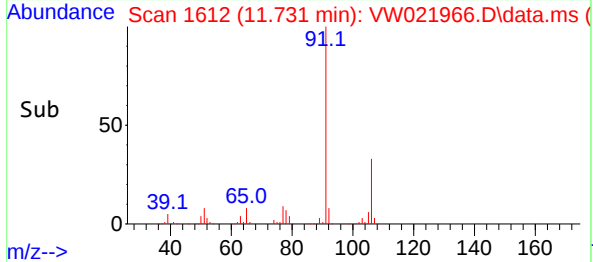
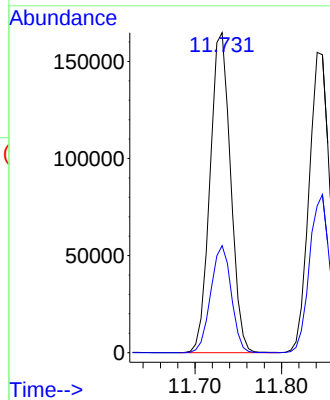
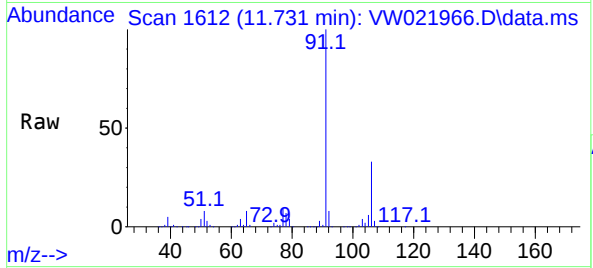




#52
Ethylbenzene
Concen: 27.699 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

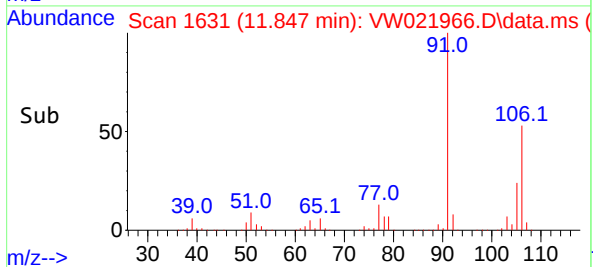
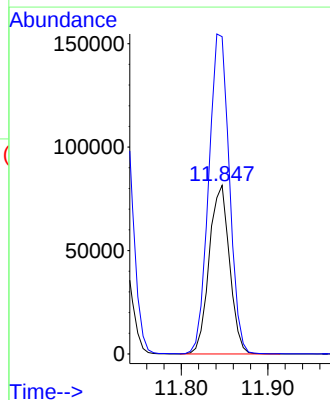
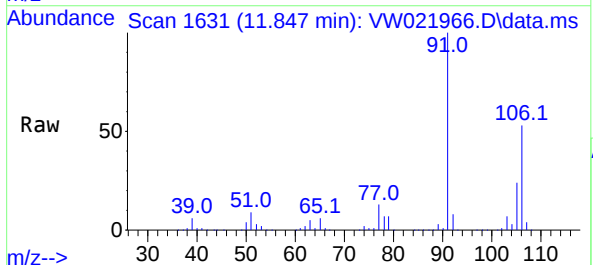
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

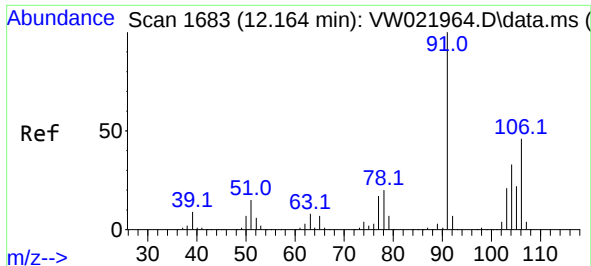
Tgt Ion: 91 Resp: 271635
Ion Ratio Lower Upper
91 100
106 33.5 21.5 39.9



#53
m,p-Xylene
Concen: 32.422 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.012 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion:106 Resp: 132950
Ion Ratio Lower Upper
106 100
91 188.2 149.9 278.3

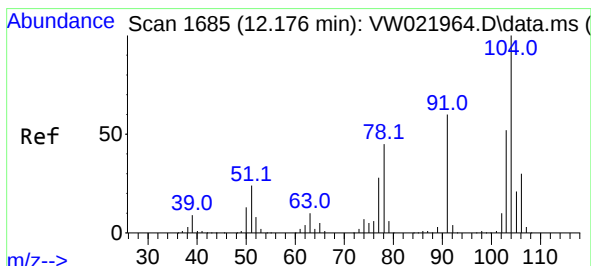
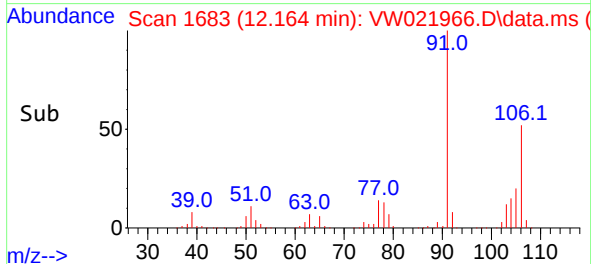
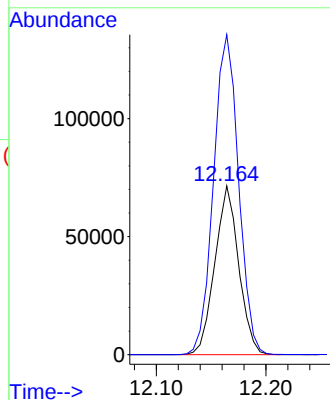
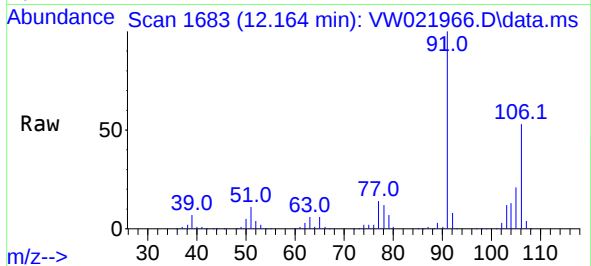




#54
o-Xylene
Concen: 28.423 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

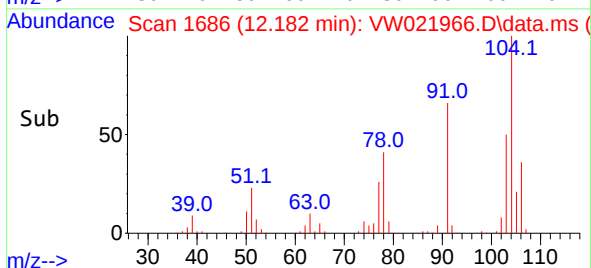
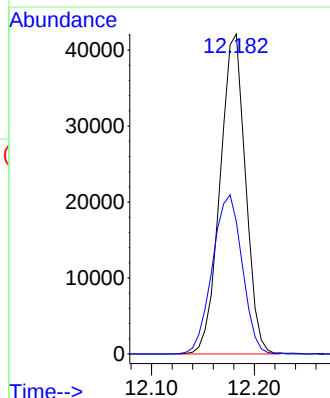
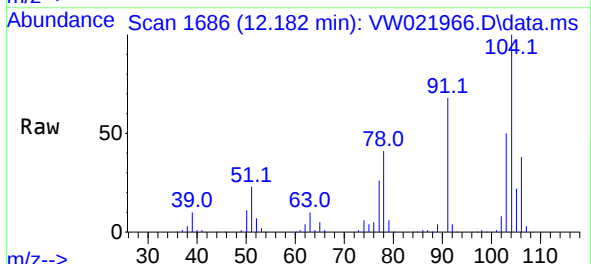
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

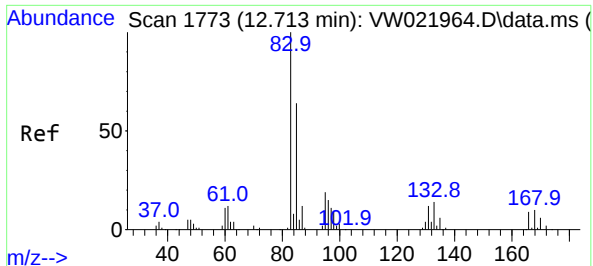
Tgt Ion:106 Resp: 108203
Ion Ratio Lower Upper
106 100
91 189.6 153.6 285.3



#55
Styrene
Concen: 11.496 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion:104 Resp: 72253
Ion Ratio Lower Upper
104 100
78 41.3 34.4 64.0

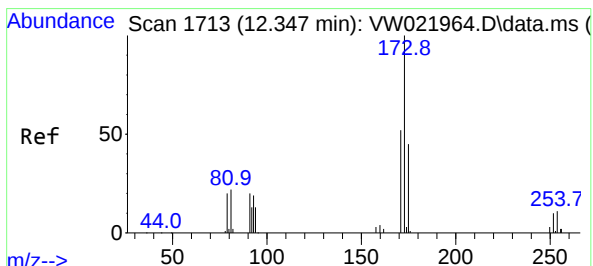
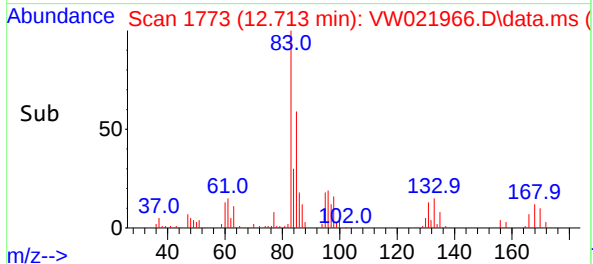
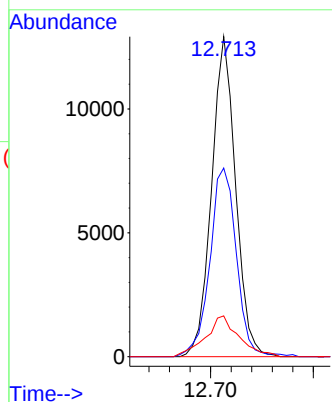
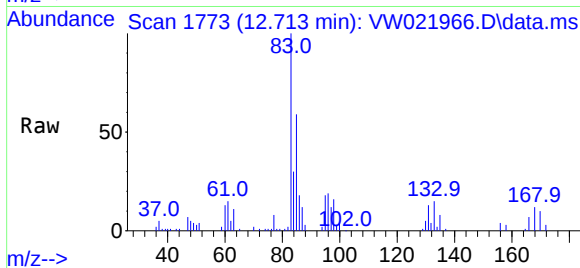




#57
1,1,2,2-Tetrachloroethane
Concen: 13.369 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

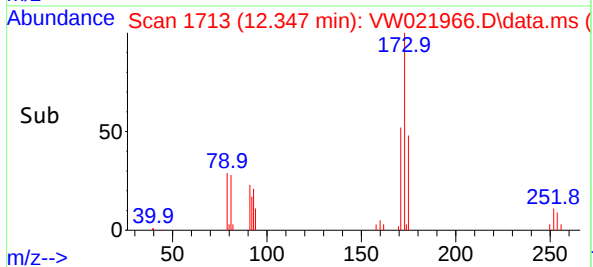
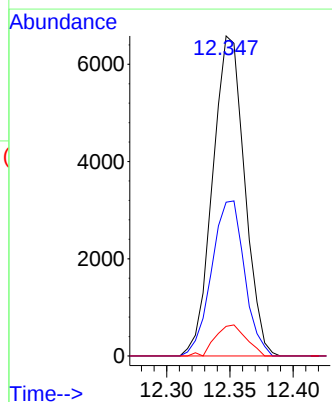
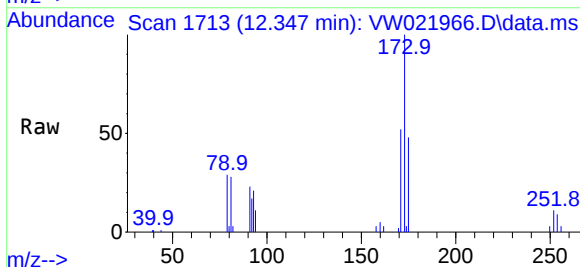
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

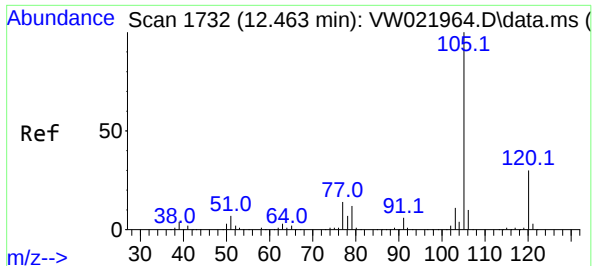
Tgt Ion:	83	Resp:	20941
Ion Ratio	Lower	Upper	
83	100		
85	58.9	44.0	81.6
131	12.7	6.9	10.3



#59
Bromoform
Concen: 10.757 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion:	173	Resp:	11554
Ion Ratio	Lower	Upper	
173	100		
175	49.8	39.6	59.4
254	9.2	7.4	11.0

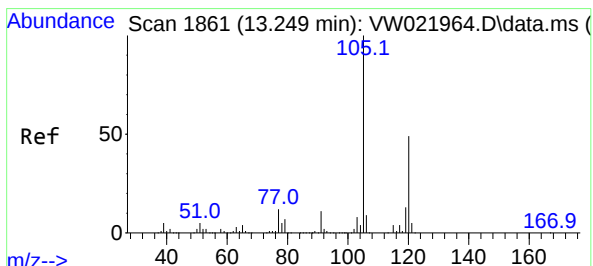
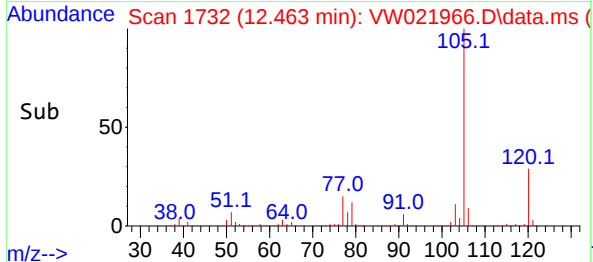
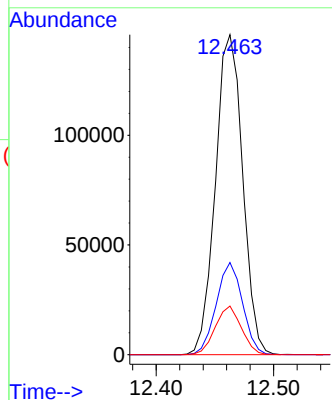
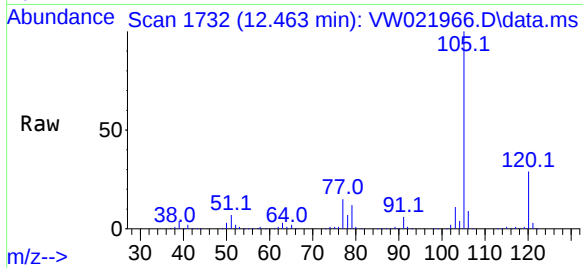




#60
Isopropylbenzene
Concen: 21.923 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

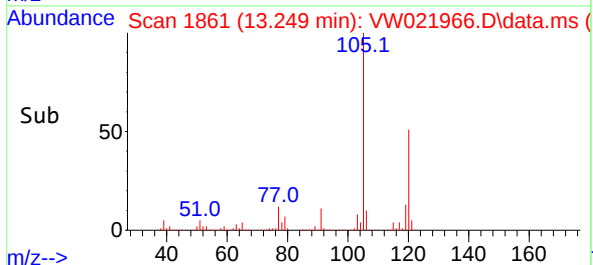
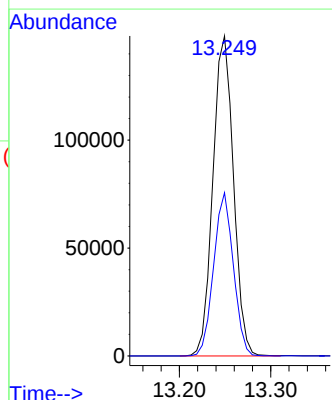
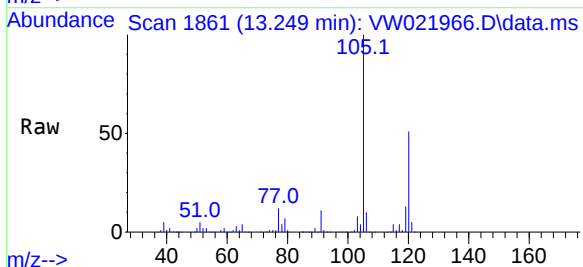
Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

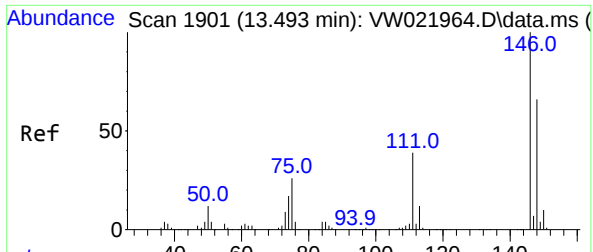
Tgt Ion:105 Resp: 235191
Ion Ratio Lower Upper
105 100
120 27.8 20.1 30.1
77 14.6 13.8 20.8



#63
1,2,4-Trimethylbenzene
Concen: 26.505 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion:105 Resp: 232233
Ion Ratio Lower Upper
105 100
120 48.9 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 21.162 ug/L

RT: 13.499 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VW021966.D

Acq: 17 Jan 2022 10:58

Instrument :

MSVOA_W

ClientSampleId :

DBLZ2

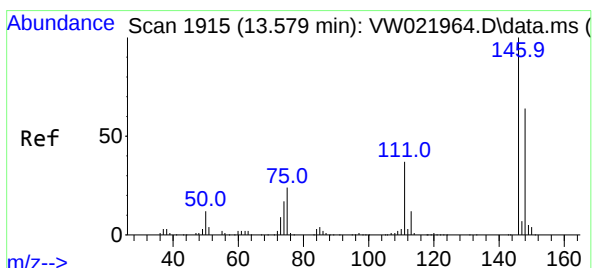
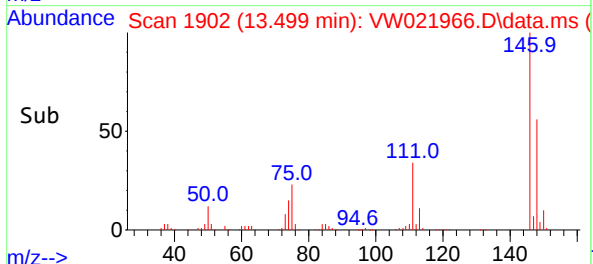
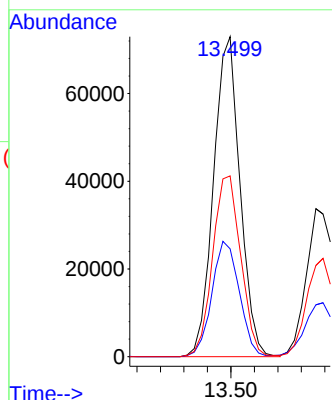
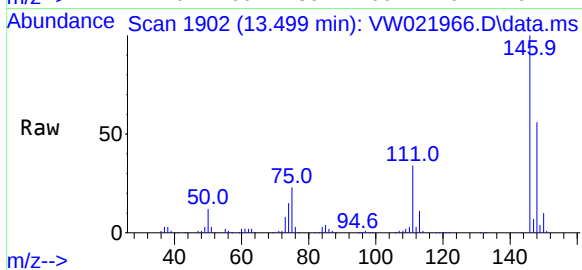
Tgt Ion:146 Resp: 114146

Ion Ratio Lower Upper

146 100

111 33.7 29.8 55.3

148 56.5 46.2 85.8



#65

1,4-Dichlorobenzene

Concen: 10.418 ug/L

RT: 13.572 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW021966.D

Acq: 17 Jan 2022 10:58

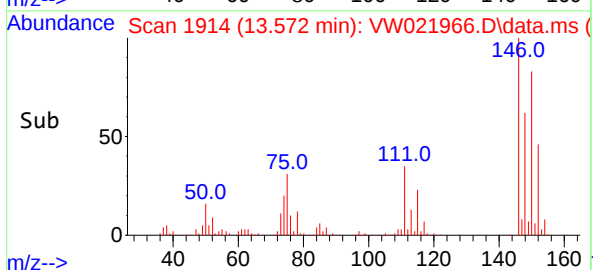
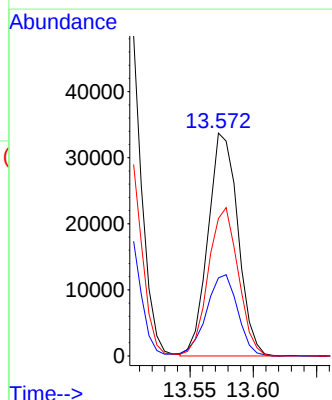
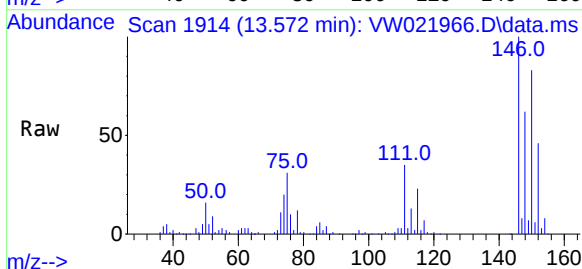
Tgt Ion:146 Resp: 55484

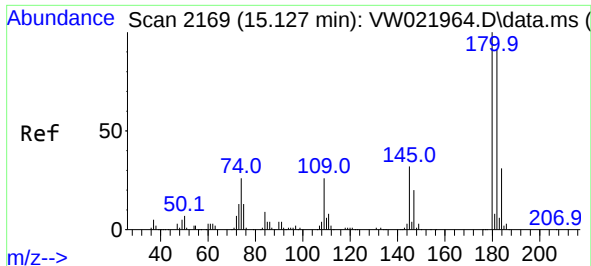
Ion Ratio Lower Upper

146 100

111 35.0 29.0 53.9

148 61.6 46.9 87.1

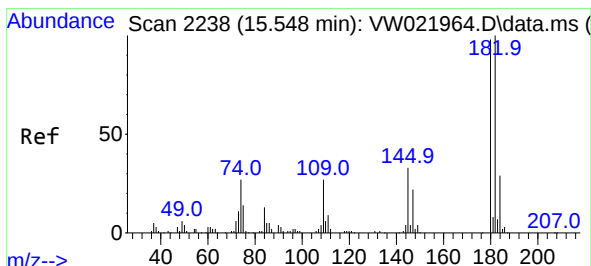
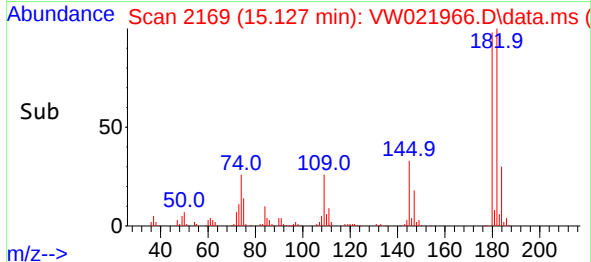
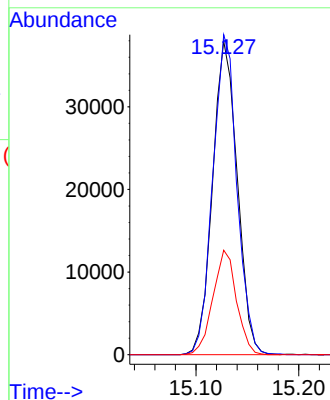
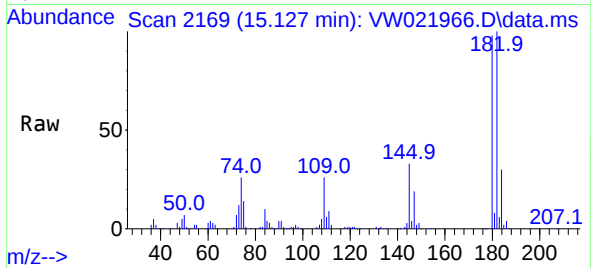




#70
1,2,4-trichlorobenzene
Concen: 19.809 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Instrument :
MSVOA_W
ClientSampleId :
DBLZ2

Tgt Ion:180 Resp: 63278
Ion Ratio Lower Upper
180 100
182 99.8 79.0 118.6
145 31.8 26.0 39.0



#72
1,2,3-Trichlorobenzene
Concen: 31.332 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW021966.D
Acq: 17 Jan 2022 10:58

Tgt Ion:180 Resp: 82652
Ion Ratio Lower Upper
180 100
182 95.6 76.6 114.8
145 33.1 27.4 41.0

