

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050922\
 Data File : VW022920.D
 Acq On : 09 May 2022 10:31
 Operator : SY/VA
 Sample : N2713-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBSK1

Quant Time: May 09 22:56:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon May 09 22:55:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	341877	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	321701	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	186111	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	123946	17.671	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.680%
7) Chloroethane-d5	2.879	69	92457	20.261	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.040%
11) 1,1-Dichloroethene-d2	4.013	63	169494	18.702	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.800%
21) 2-Butanone-d5	7.074	46	54576	40.924	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.840%
24) Chloroform-d	7.647	84	217143	21.679	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.720%
26) 1,2-Dichloroethane-d4	8.305	65	115736	21.068	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.280%
32) Benzene-d6	8.275	84	405609	21.874	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.480%
36) 1,2-Dichloropropane-d6	9.274	67	116815	22.427	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.720%
41) Toluene-d8	10.323	98	381817	21.316	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.280%
43) trans-1,3-Dichloroprop...	10.579	79	48166	20.084	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.320%
47) 2-Hexanone-d5	10.921	63	43011	43.256	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.520%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	108796	22.410	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.640%
66) 1,2-Dichlorobenzene-d4	13.853	152	141585	21.763	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	13914	7.466	ug/L	91
3) Chloromethane	2.215	50	58266	16.179	ug/L	100
5) Vinyl chloride	2.361	62	201322	27.855	ug/L	100
6) Bromomethane	2.776	94	58933	12.700	ug/L	93
8) Chloroethane	2.916	64	36058	10.344	ug/L	88
9) Trichlorofluoromethane	3.257	101	42591	12.893	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	115012	23.284	ug/L	97
12) 1,1-Dichloroethene	4.038	96	77725	17.751	ug/L	92
15) Methyl Acetate	4.672	43	47461	23.661	ug/L #	68
16) Methylene chloride	4.916	84	104893	20.968	ug/L	98
18) Methyl tert-butyl Ether	5.428	73	318146	42.295	ug/L	100
22) 2-Butanone	7.171	43	77671	55.625	ug/L	95
25) Chloroform	7.677	83	191996	20.791	ug/L	99
29) Cyclohexane	7.958	56	167217	24.034	ug/L	99
33) Benzene	8.323	78	873121	46.071	ug/L	100
34) Trichloroethene	9.092	95	300452	57.647	ug/L	98
42) Toluene	10.384	91	1212688	57.098	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	79856	20.829	ug/L	98
46) Tetrachloroethene	10.860	164	45949	11.731	ug/L	93

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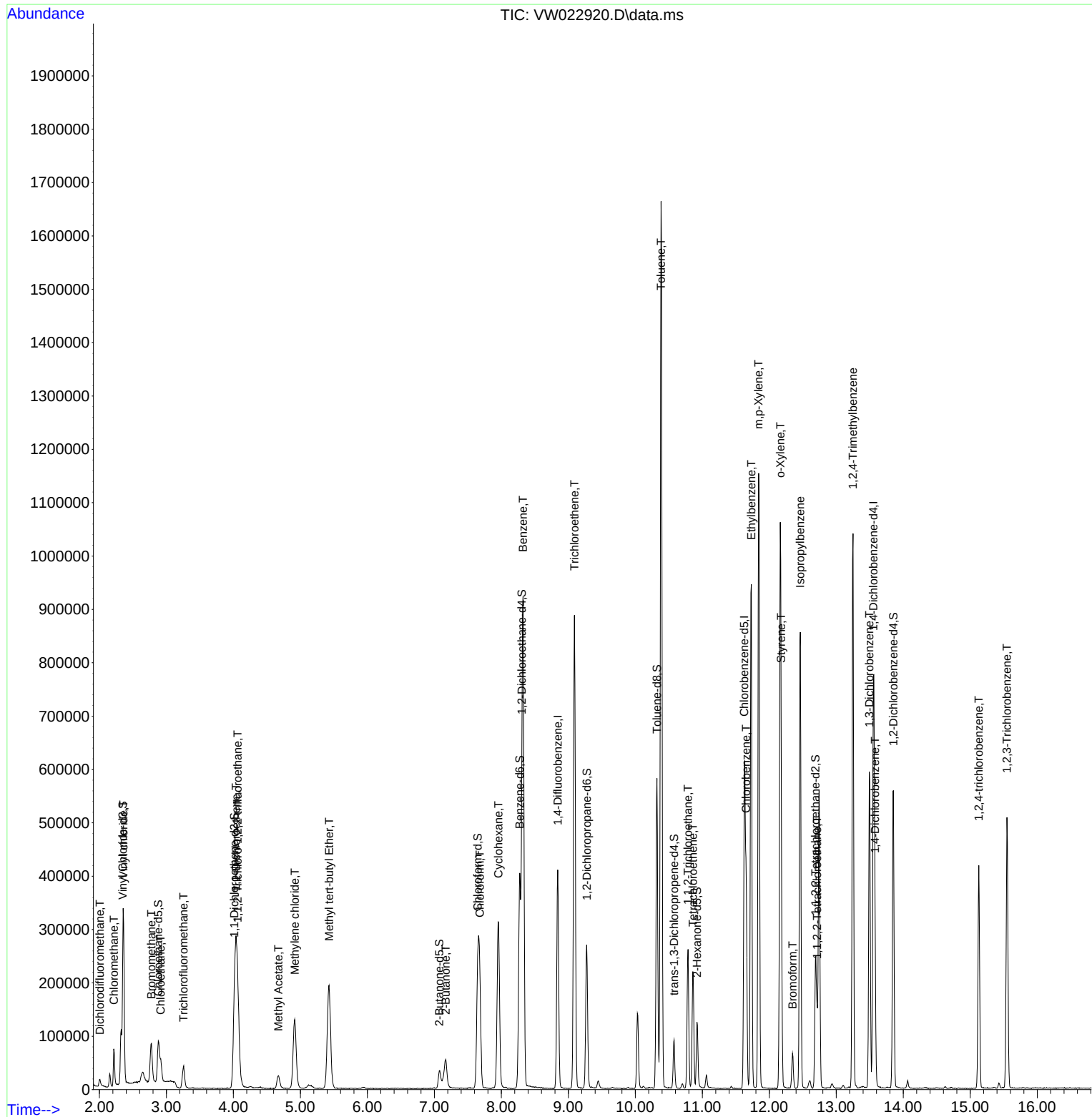
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	11.652	112	194007	13.856	ug/L	99
52) Ethylbenzene	11.731	91	671282	28.410	ug/L	98
53) m,p-Xylene	11.841	106	321772	34.561	ug/L	97
54) o-Xylene	12.164	106	254736	28.512	ug/L	98
55) Styrene	12.176	104	158883	10.466	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.713	83	55971	11.688	ug/L	99
59) Bromoform	12.347	173	27537	10.440	ug/L	98
60) Isopropylbenzene	12.463	105	558003	21.886	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	562259	26.399	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	238983	20.994	ug/L	92
65) 1,4-Dichlorobenzene	13.579	146	122298	10.401	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	118200	19.446	ug/L	98
72) 1,2,3-Trichlorobenzene	15.548	180	151065	28.042	ug/L	95

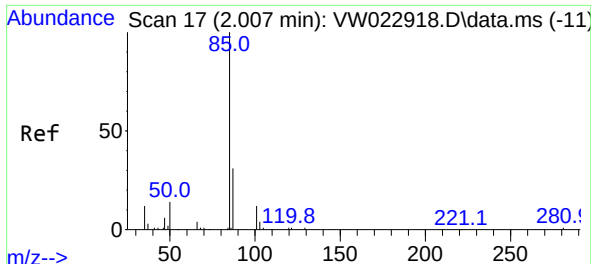
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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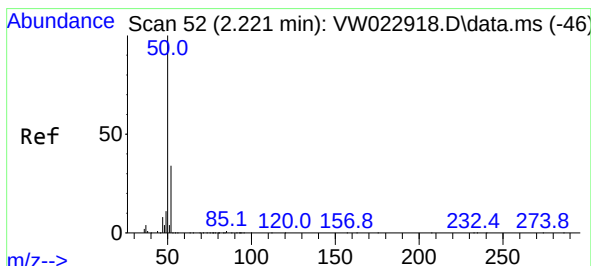
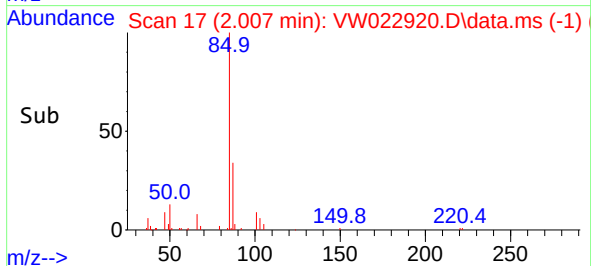
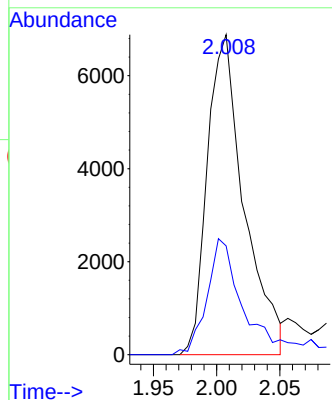
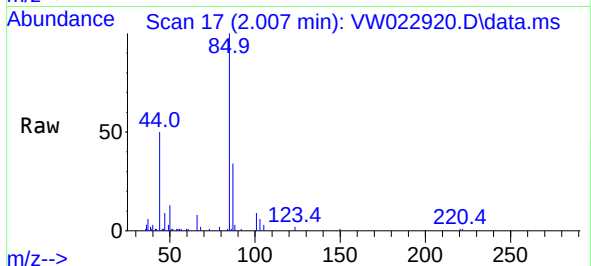




#2
Dichlorodifluoromethane
Concen: 7.466 ug/L
RT: 2.007 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

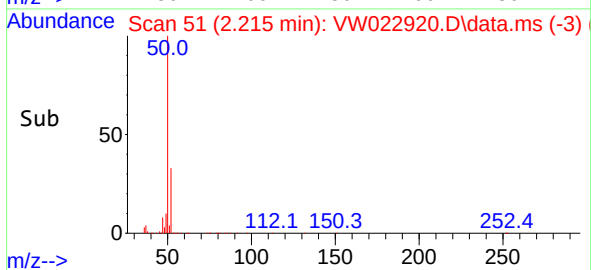
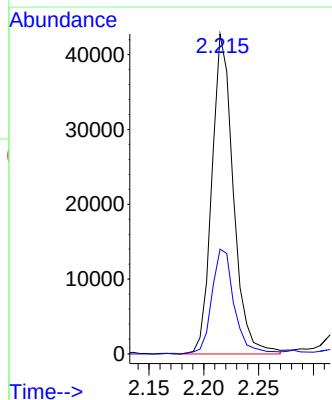
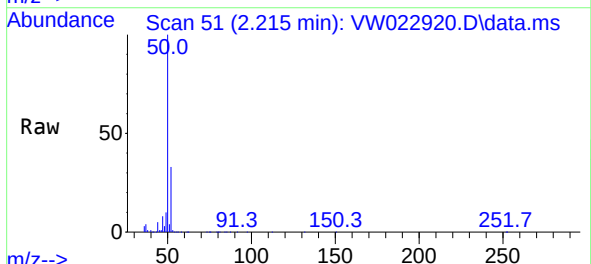
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

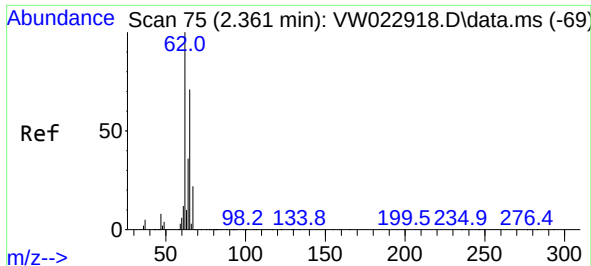
Tgt Ion: 85 Resp: 13914
Ion Ratio Lower Upper
85 100
87 29.4 27.8 41.8



#3
Chloromethane
Concen: 16.179 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion: 50 Resp: 58266
Ion Ratio Lower Upper
50 100
52 32.7 23.1 42.9

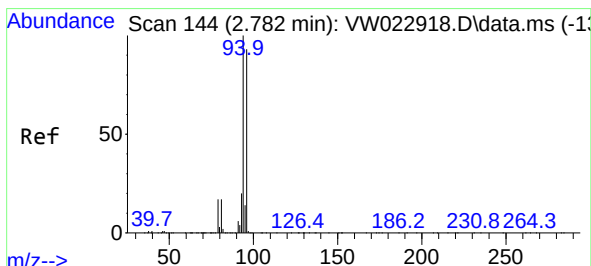
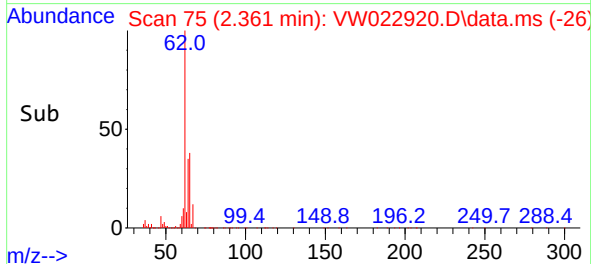
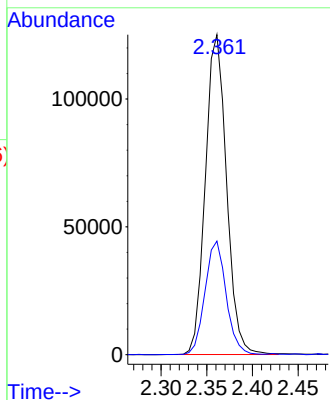
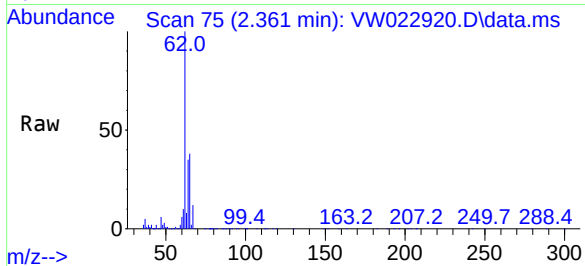




#5
 Vinyl chloride
 Concen: 27.855 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW022920.D
 Acq: 09 May 2022 10:31

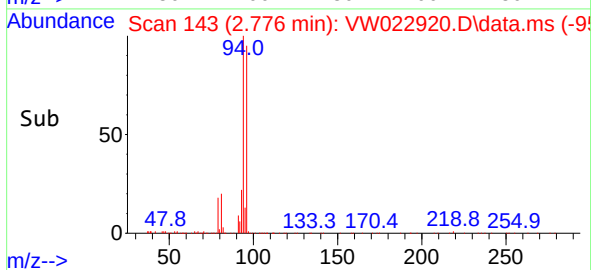
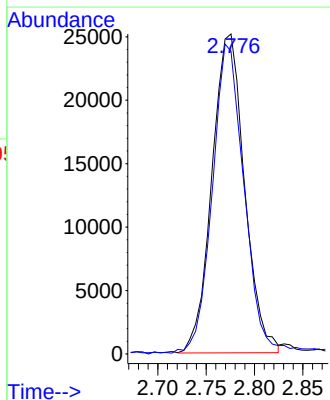
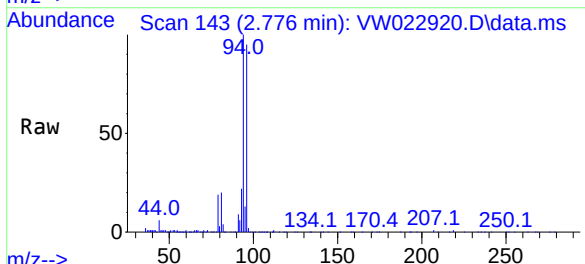
Instrument :
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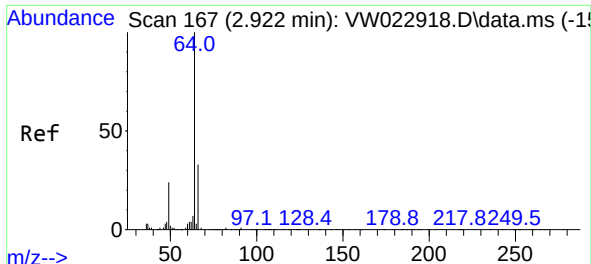
Tgt Ion: 62 Resp: 201322
 Ion Ratio Lower Upper
 62 100
 64 35.5 24.9 46.3



#6
 Bromomethane
 Concen: 12.700 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW022920.D
 Acq: 09 May 2022 10:31

Tgt Ion: 94 Resp: 58933
 Ion Ratio Lower Upper
 94 100
 96 94.6 61.7 114.5

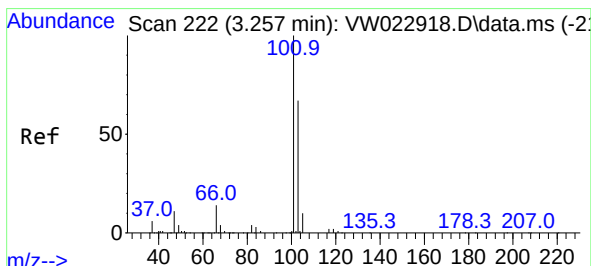
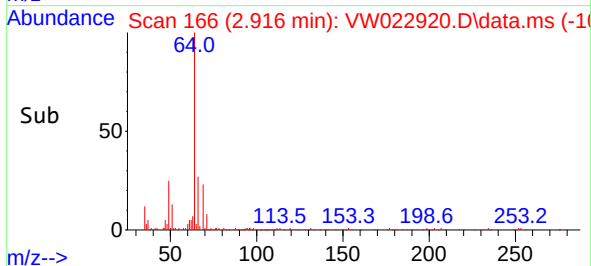
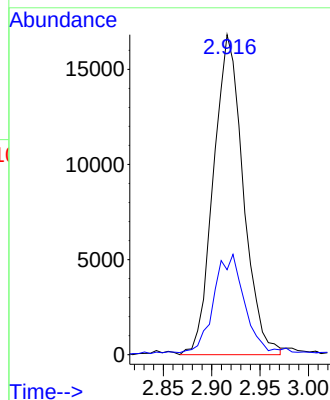
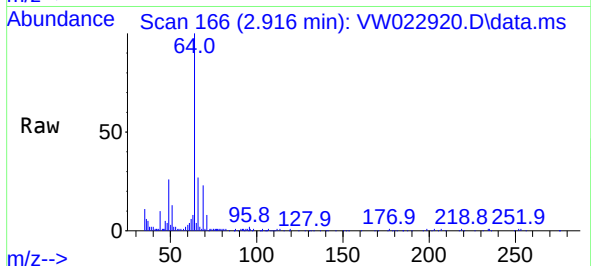




#8
Chloroethane
Concen: 10.344 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

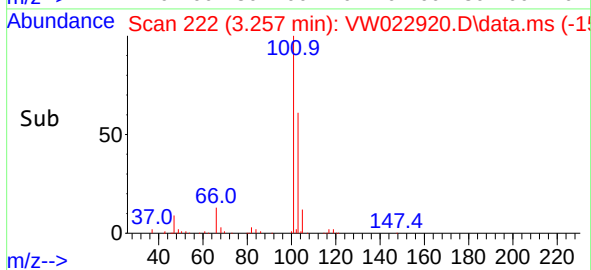
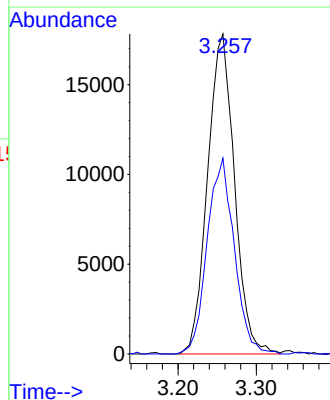
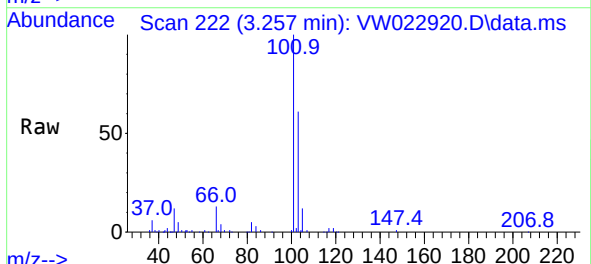
Instrument :
MSVOA_W
ClientSampleId :
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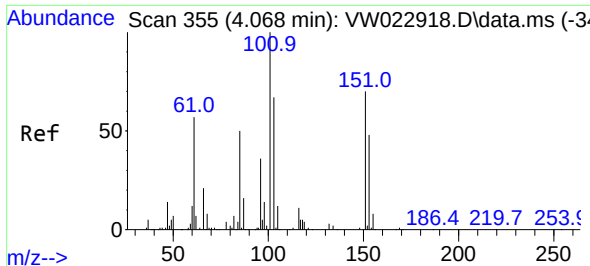
Tgt Ion: 64 Resp: 36058
Ion Ratio Lower Upper
64 100
66 26.6 23.4 43.6



#9
Trichlorofluoromethane
Concen: 12.893 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion: 101 Resp: 42591
Ion Ratio Lower Upper
101 100
103 61.6 53.9 80.9

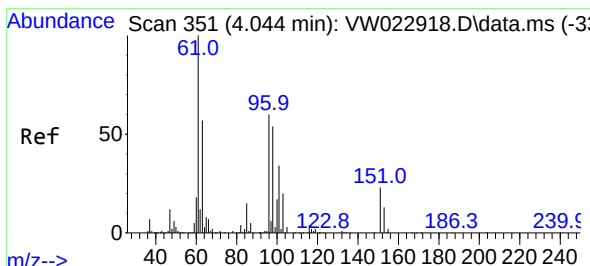
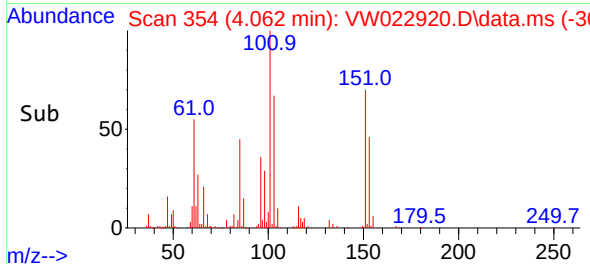
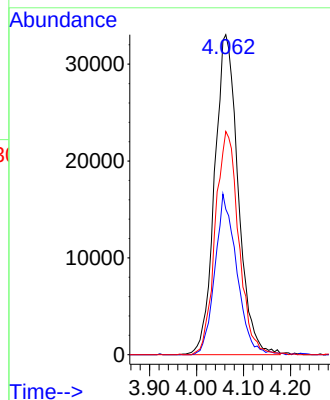
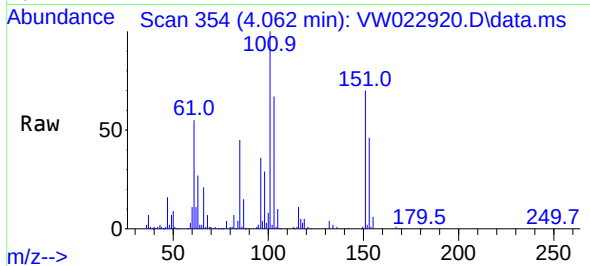




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.284 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW022920.D
 Acq: 09 May 2022 10:31

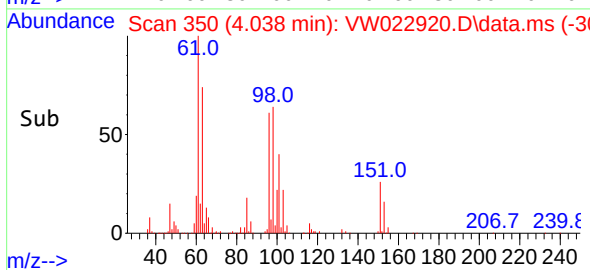
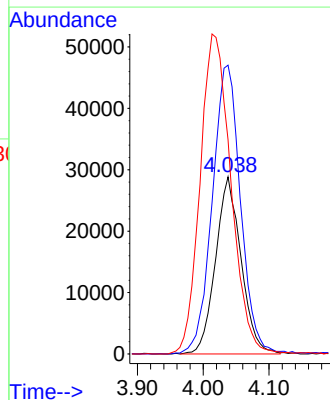
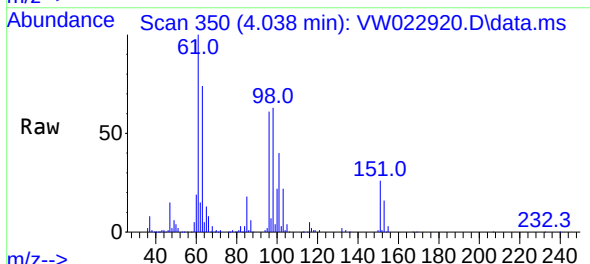
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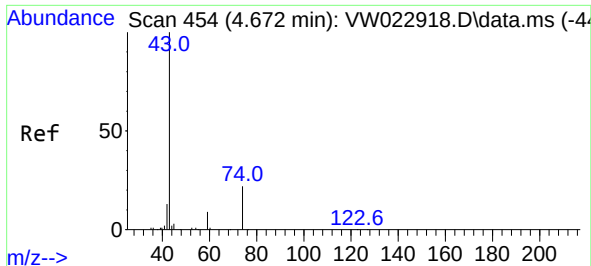
Tgt Ion:101 Resp: 115012
 Ion Ratio Lower Upper
 101 100
 85 46.1 34.3 51.5
 151 69.4 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 17.751 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: VW022920.D
 Acq: 09 May 2022 10:31

Tgt Ion: 96 Resp: 77725
 Ion Ratio Lower Upper
 96 100
 61 163.1 125.7 233.5
 63 121.0 83.4 155.0

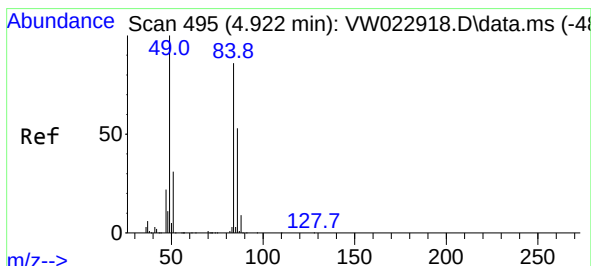
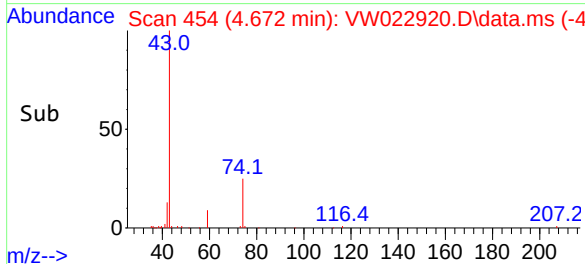
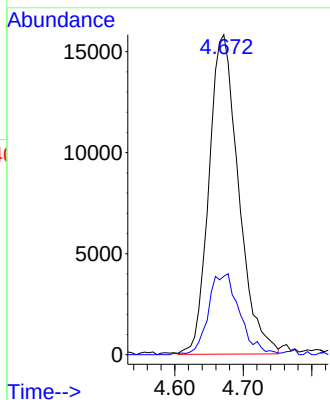
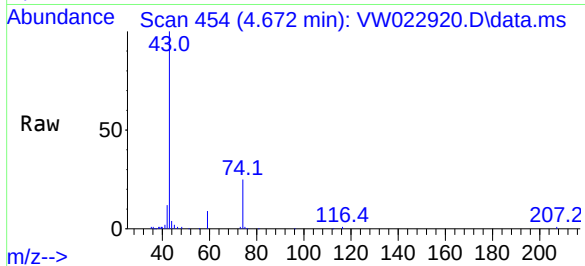




#15
Methyl Acetate
Concen: 23.661 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

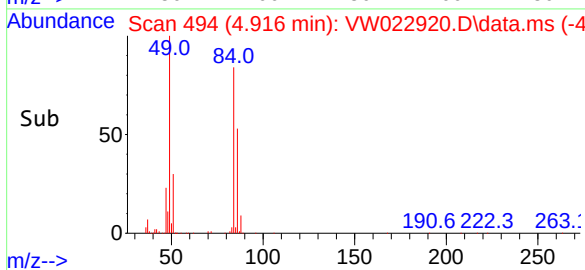
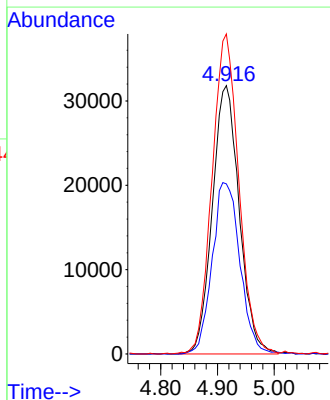
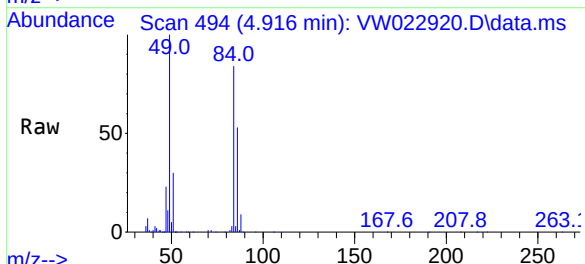
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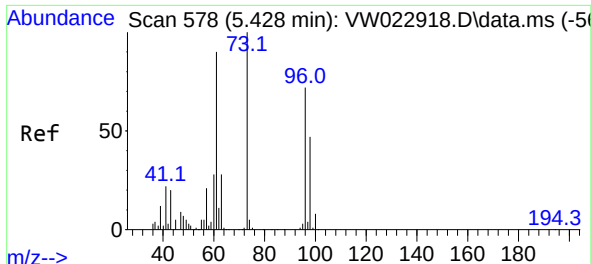
Tgt Ion: 43 Resp: 47461
Ion Ratio Lower Upper
43 100
74 10.9 21.9 32.9#



#16
Methylene chloride
Concen: 20.968 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
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Tgt Ion: 84 Resp: 104893
Ion Ratio Lower Upper
84 100
86 63.4 45.4 84.4
49 119.2 82.5 153.1

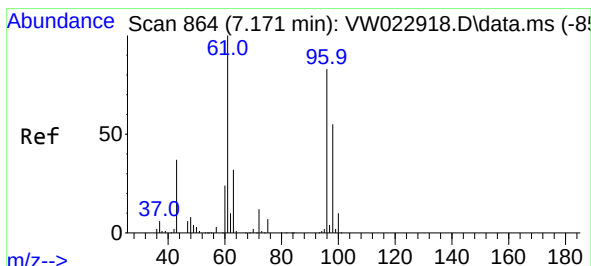
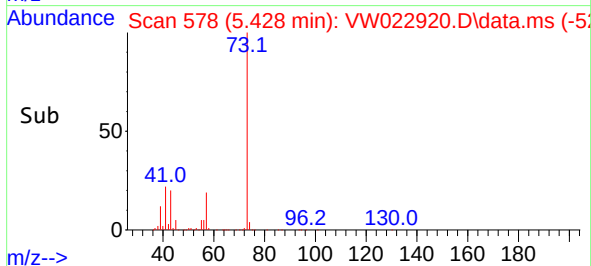
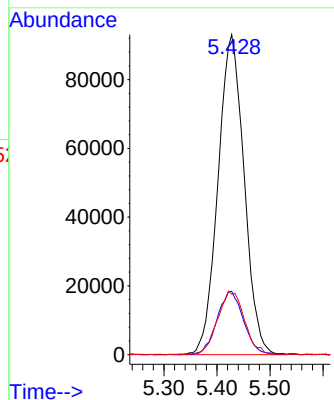
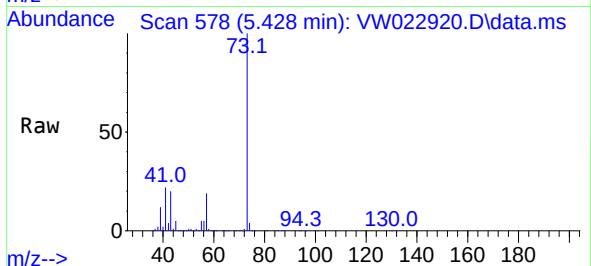




#18
Methyl tert-butyl Ether
Concen: 42.295 ug/L
RT: 5.428 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW022920.D
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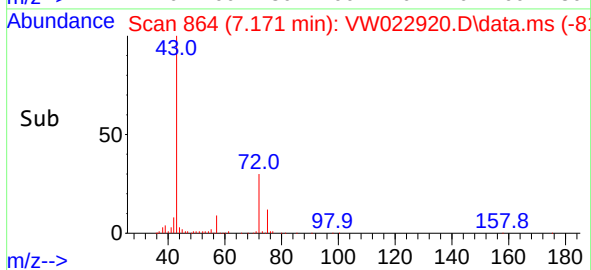
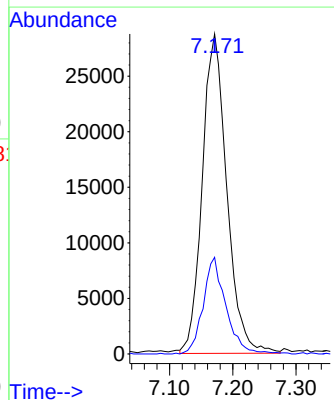
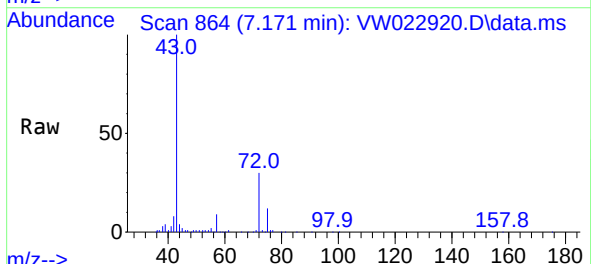
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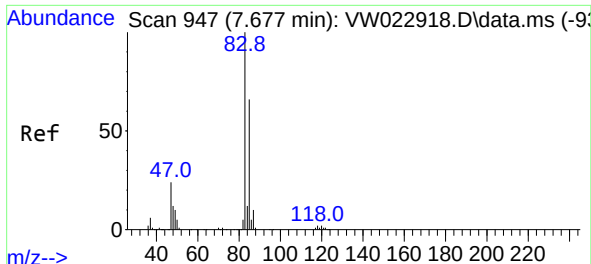
Tgt Ion: 73 Resp: 318146
Ion Ratio Lower Upper
73 100
43 19.7 15.9 23.9
57 20.4 16.5 24.7



#22
2-Butanone
Concen: 55.625 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion: 43 Resp: 77671
Ion Ratio Lower Upper
43 100
72 27.6 15.1 45.3

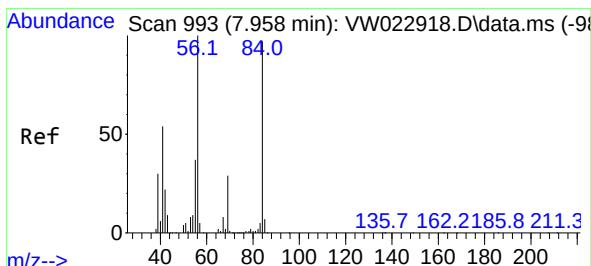
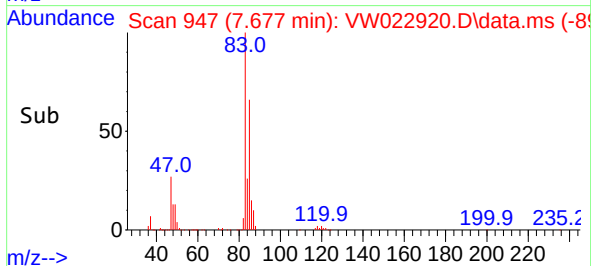
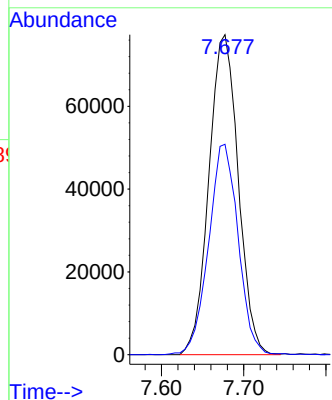
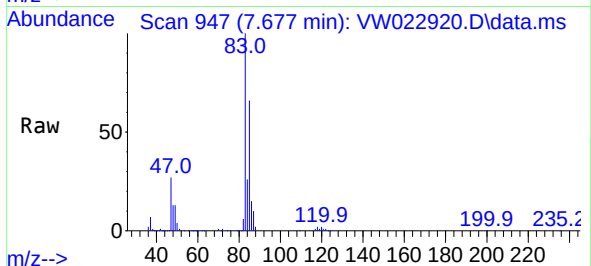




#25
Chloroform
Concen: 20.791 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

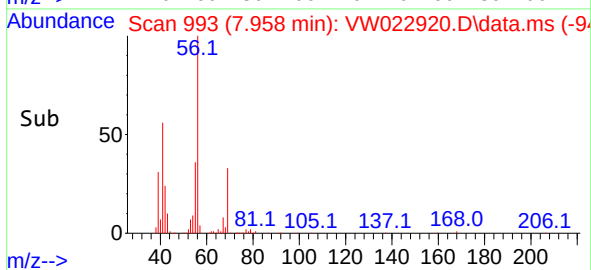
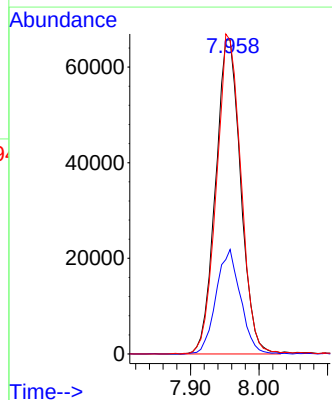
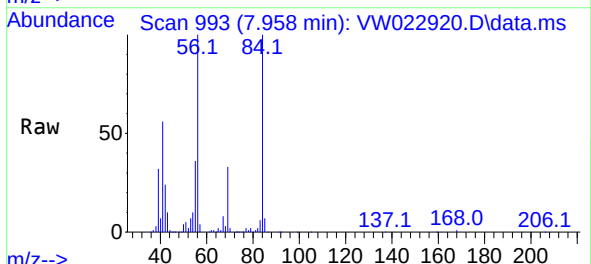
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

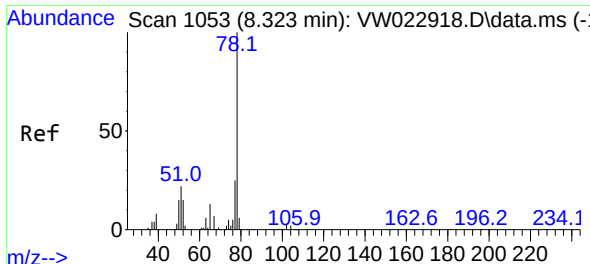
Tgt Ion: 83 Resp: 191996
Ion Ratio Lower Upper
83 100
85 65.8 46.6 86.6



#29
Cyclohexane
Concen: 24.034 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion: 56 Resp: 167217
Ion Ratio Lower Upper
56 100
69 32.3 25.6 38.4
84 99.0 78.2 117.4

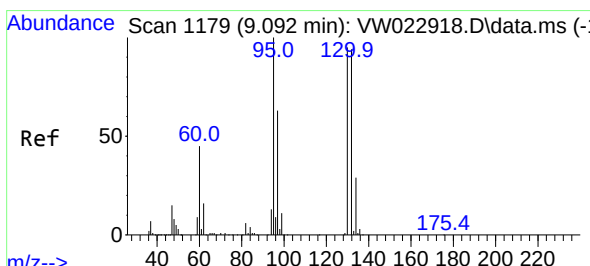
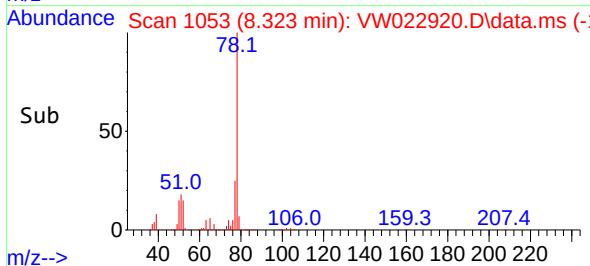
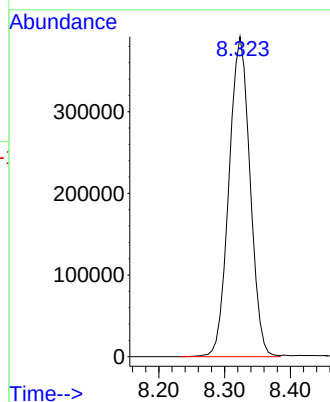
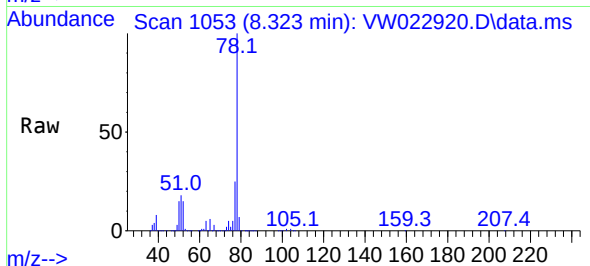




#33
Benzene
Concen: 46.071 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Instrument :
MSVOA_W
ClientSampleId :
DBSK1

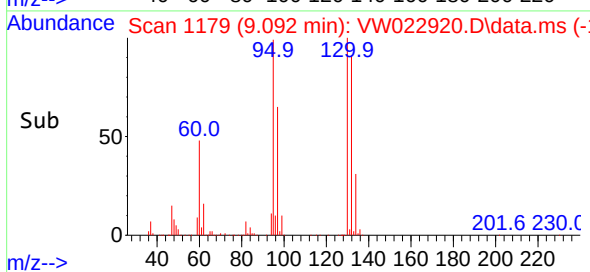
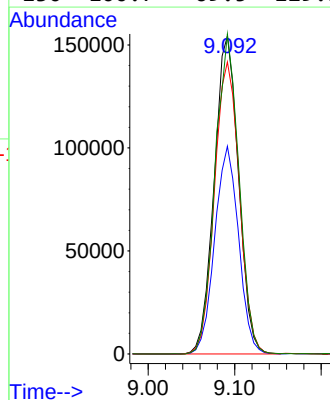
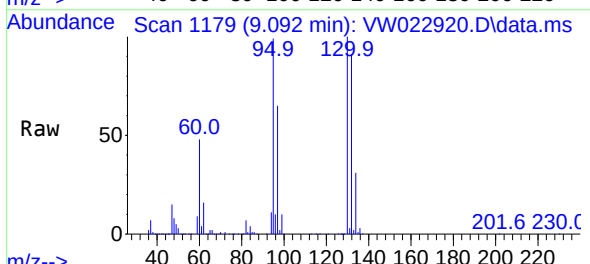
Tgt Ion: 78 Resp: 873121

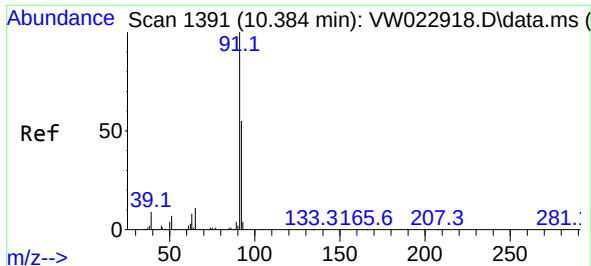


#34
Trichloroethene
Concen: 57.647 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion: 95 Resp: 300452

Ion	Ratio	Lower	Upper
95	100		
97	65.3	46.1	85.7
132	91.9	66.9	124.3
130	100.7	69.5	129.1

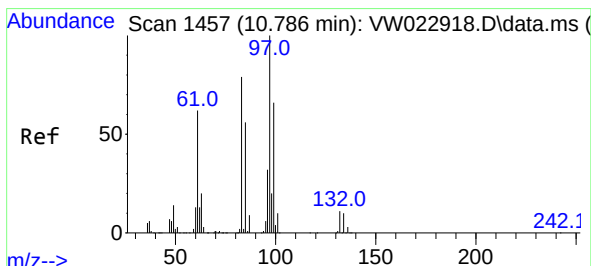
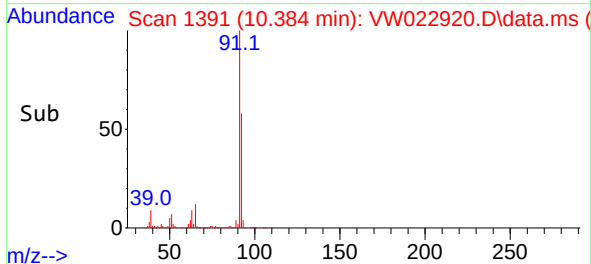
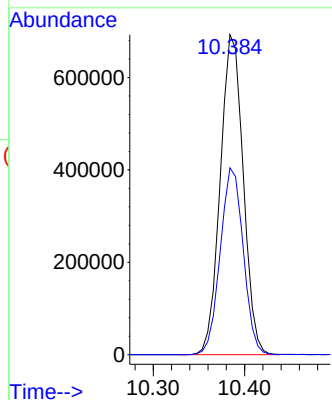
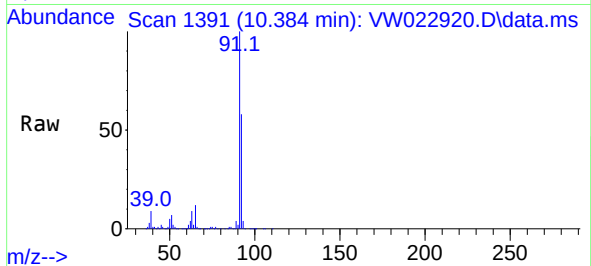




#42
Toluene
Concen: 57.098 ug/L
RT: 10.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

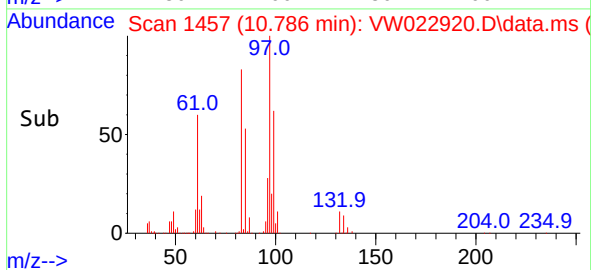
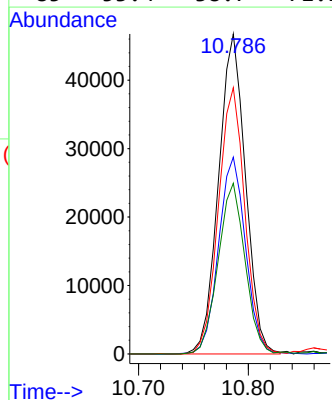
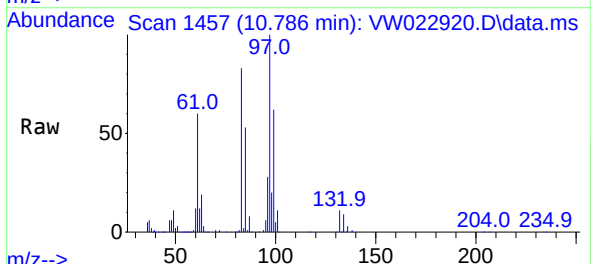
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

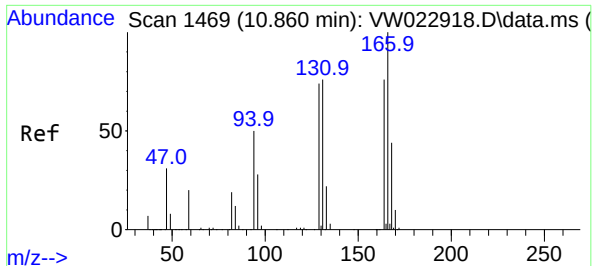
Tgt Ion: 91 Resp: 1212688
Ion Ratio Lower Upper
91 100
92 58.4 41.6 77.2



#45
1,1,2-Trichloroethane
Concen: 20.829 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

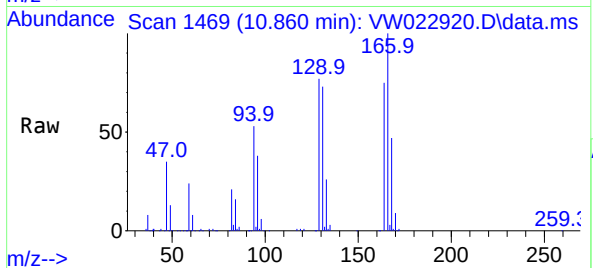
Tgt Ion: 97 Resp: 79856
Ion Ratio Lower Upper
97 100
99 61.5 44.7 82.9
83 83.2 58.4 108.4
85 53.4 38.7 71.9



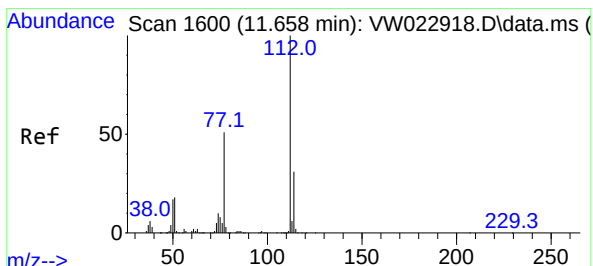
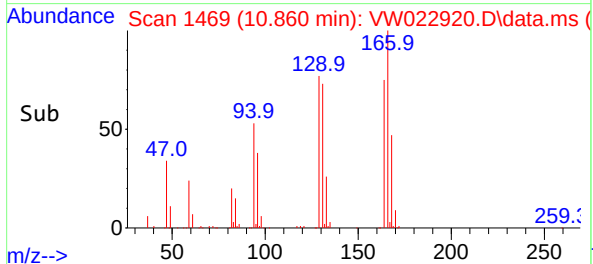
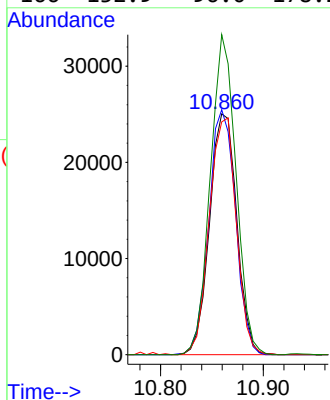


#46
Tetrachloroethene
Concen: 11.731 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Instrument :
MSVOA_W
ClientSampleId :
DBSK1

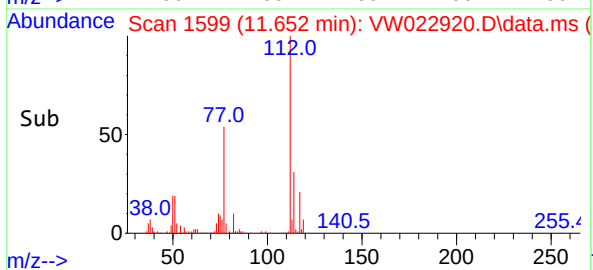
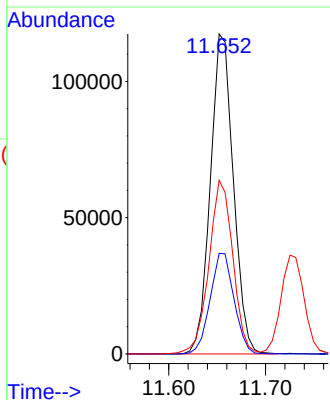
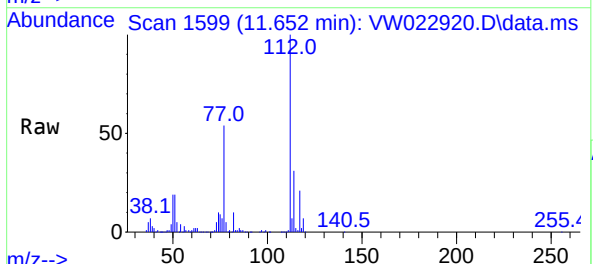


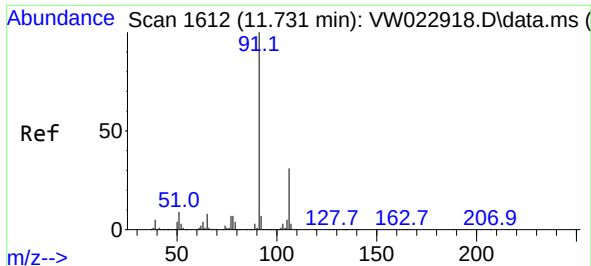
Tgt Ion:164 Resp: 45949
Ion Ratio Lower Upper
164 100
129 101.7 76.9 142.7
131 96.6 75.1 139.5
166 132.9 96.0 178.2



#51
Chlorobenzene
Concen: 13.856 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion:112 Resp: 194007
Ion Ratio Lower Upper
112 100
114 31.5 22.0 41.0
77 54.2 42.6 63.8

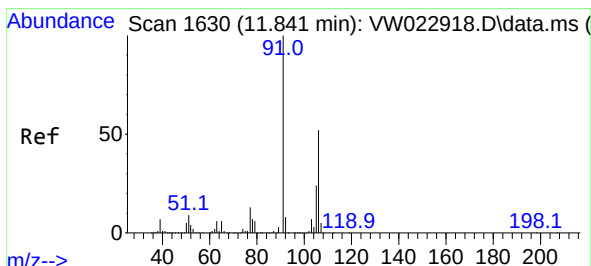
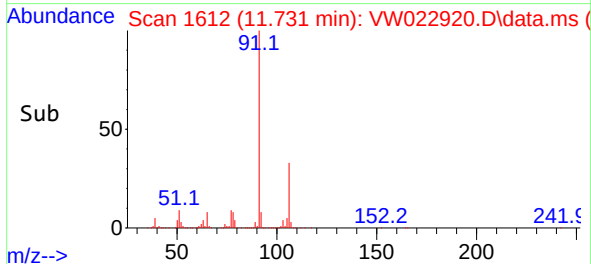
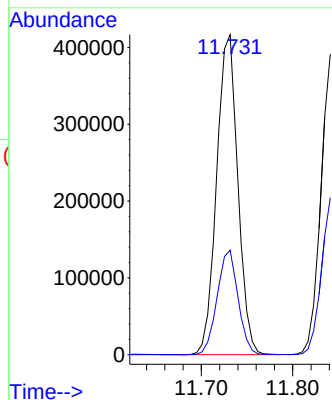
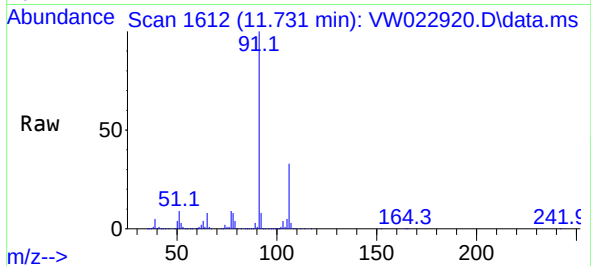




#52
Ethylbenzene
Concen: 28.410 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

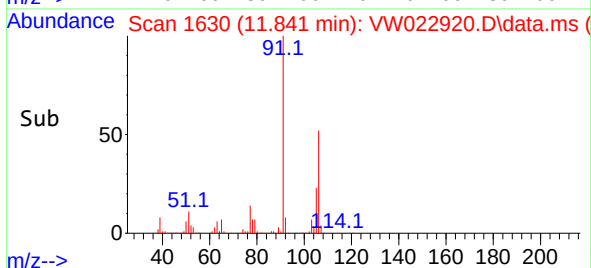
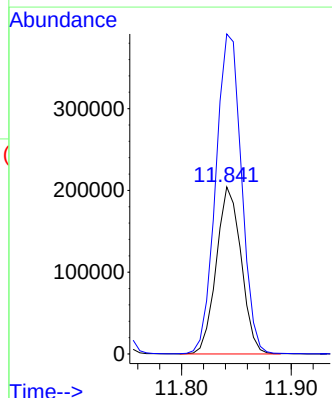
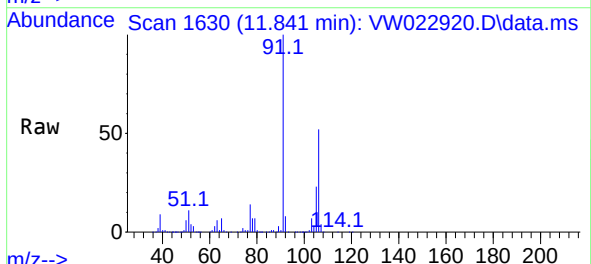
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

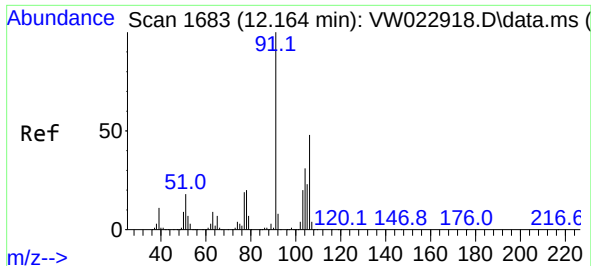
Tgt Ion: 91 Resp: 671282
Ion Ratio Lower Upper
91 100
106 32.7 22.3 41.3



#53
m,p-Xylene
Concen: 34.561 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion:106 Resp: 321772
Ion Ratio Lower Upper
106 100
91 191.5 136.8 254.0

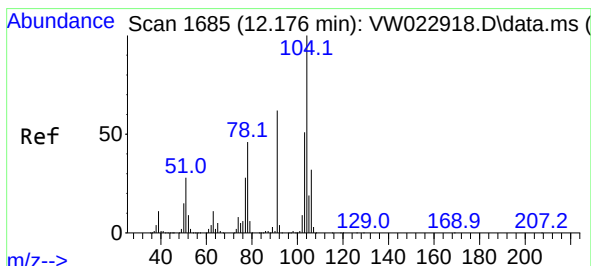
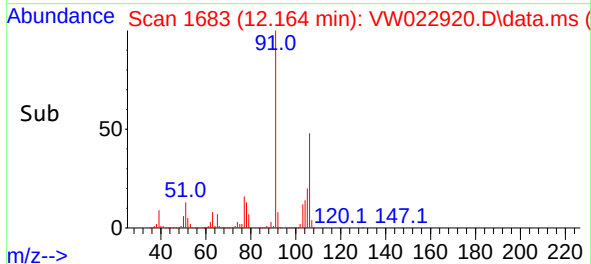
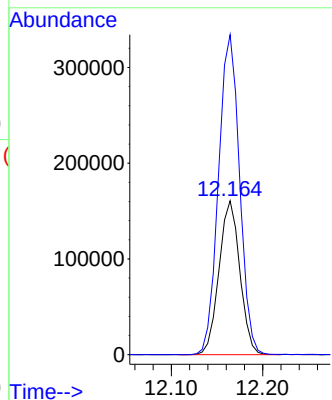
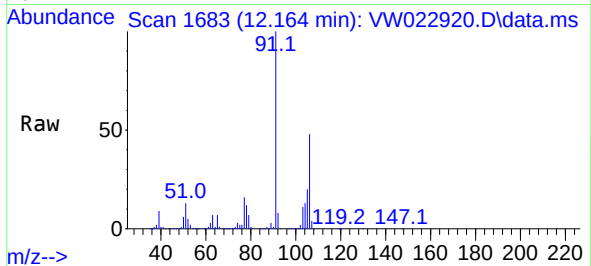




#54
o-Xylene
Concen: 28.512 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

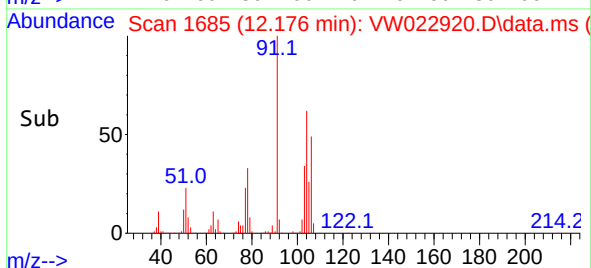
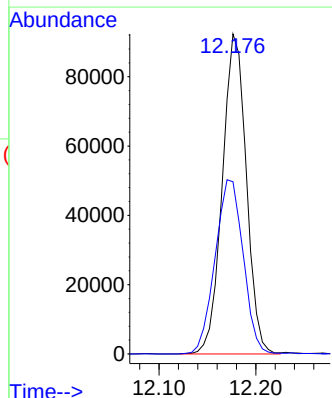
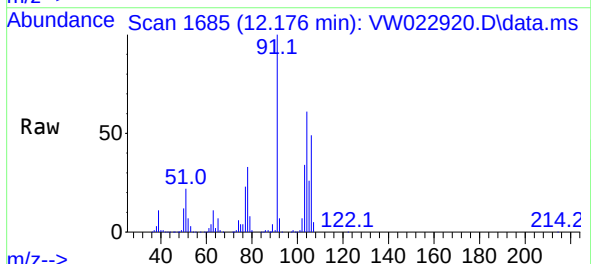
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

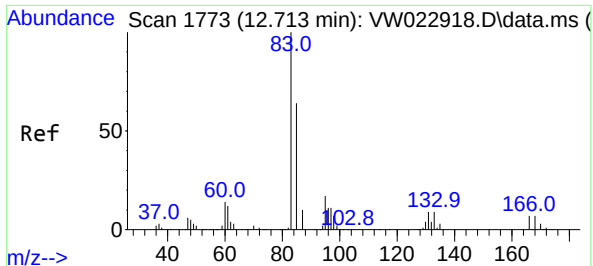
Tgt Ion:106 Resp: 254736
Ion Ratio Lower Upper
106 100
91 207.8 147.2 273.4



#55
Styrene
Concen: 10.466 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion:104 Resp: 158883
Ion Ratio Lower Upper
104 100
78 53.8 32.3 59.9

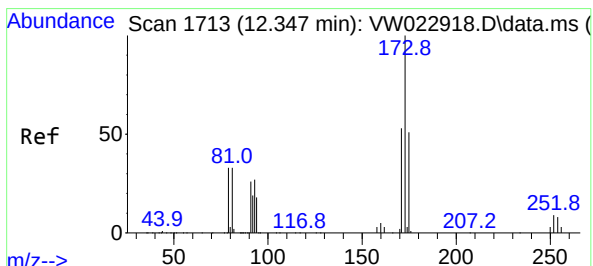
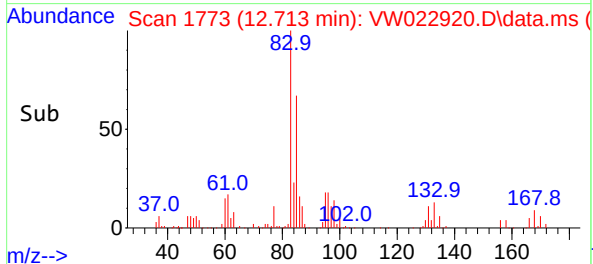
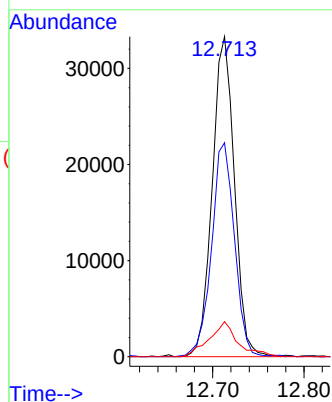
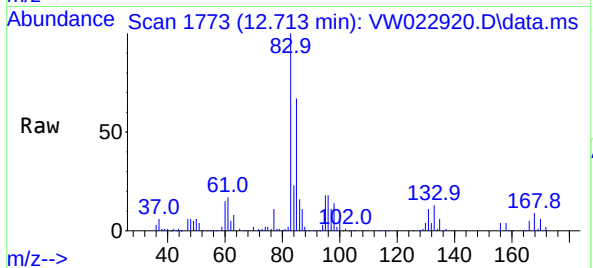




#57
1,1,2,2-Tetrachloroethane
Concen: 11.688 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

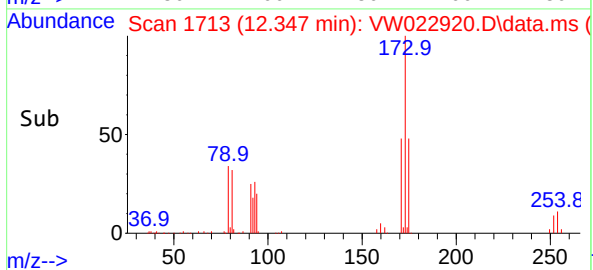
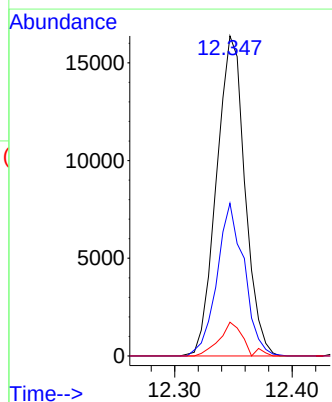
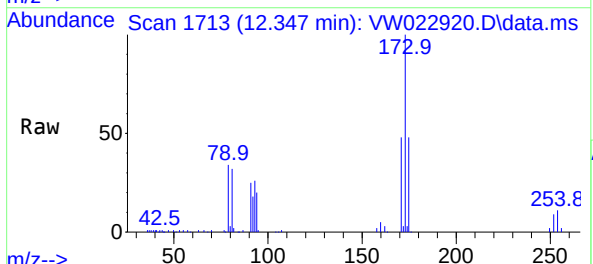
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

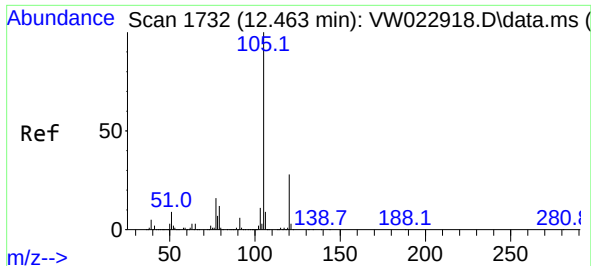
Tgt Ion: 83 Resp: 55971
Ion Ratio Lower Upper
83 100
85 66.9 47.5 88.1
131 11.0 8.7 13.1



#59
Bromoform
Concen: 10.440 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion: 173 Resp: 27537
Ion Ratio Lower Upper
173 100
175 45.8 38.1 57.1
254 8.3 6.5 9.7

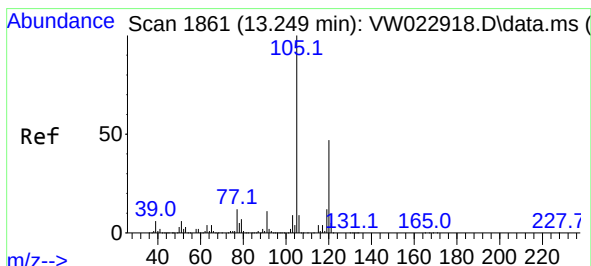
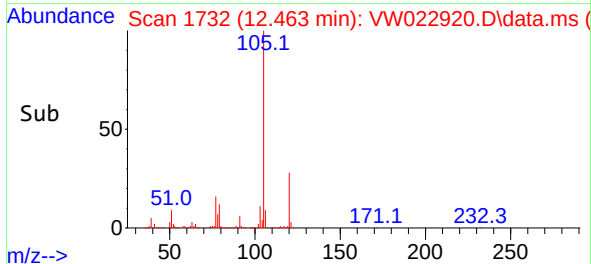
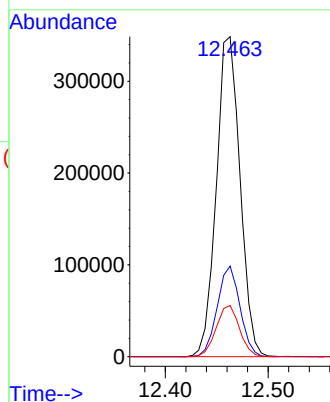
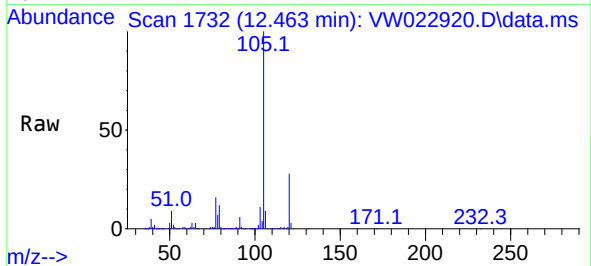




#60
Isopropylbenzene
Concen: 21.886 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

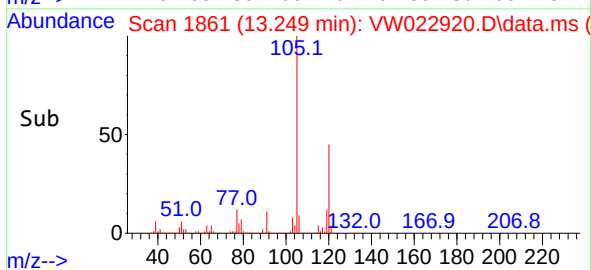
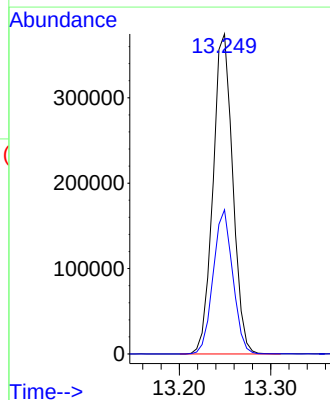
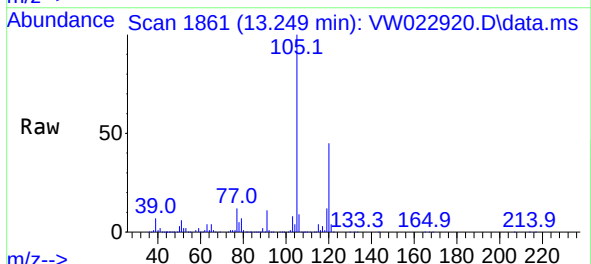
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

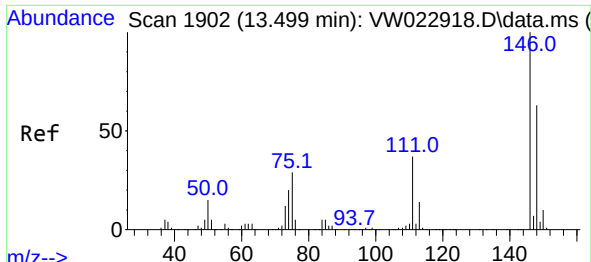
Tgt Ion:105 Resp: 558003
Ion Ratio Lower Upper
105 100
120 27.1 21.3 31.9
77 15.8 12.6 19.0



#63
1,2,4-Trimethylbenzene
Concen: 26.399 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion:105 Resp: 562259
Ion Ratio Lower Upper
105 100
120 44.6 37.4 56.2

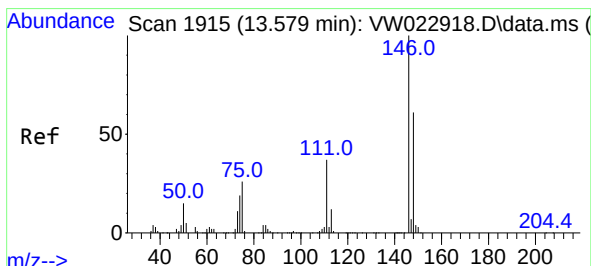
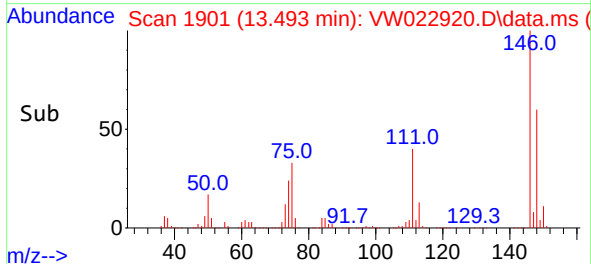
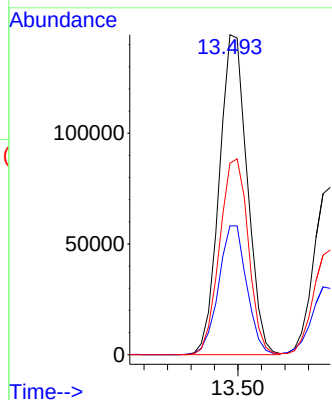
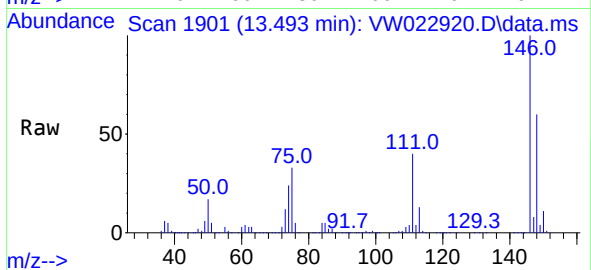




#64
1,3-Dichlorobenzene
Concen: 20.994 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

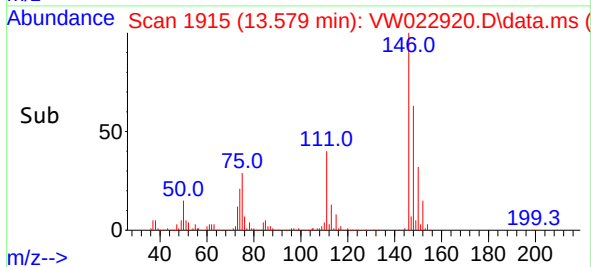
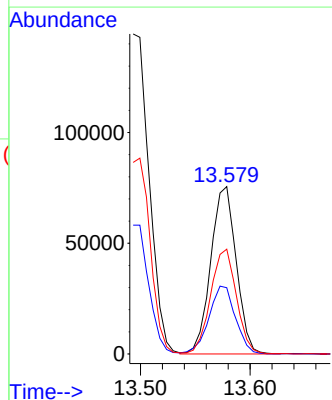
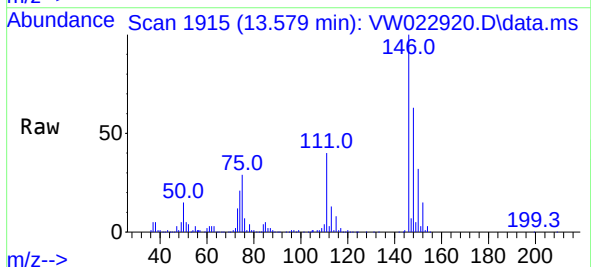
Instrument :
MSVOA_W
ClientSampleId :
DBSK1

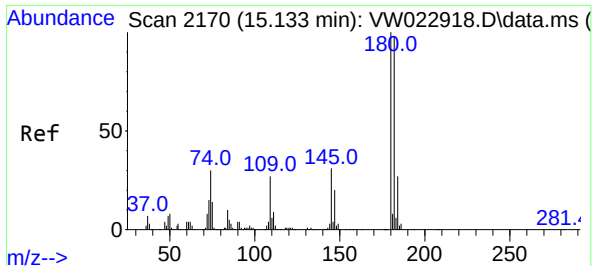
Tgt Ion:146 Resp: 238983
Ion Ratio Lower Upper
146 100
111 40.2 29.5 54.9
148 59.8 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 10.401 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion:146 Resp: 122298
Ion Ratio Lower Upper
146 100
111 39.6 27.2 50.4
148 62.7 44.0 81.6

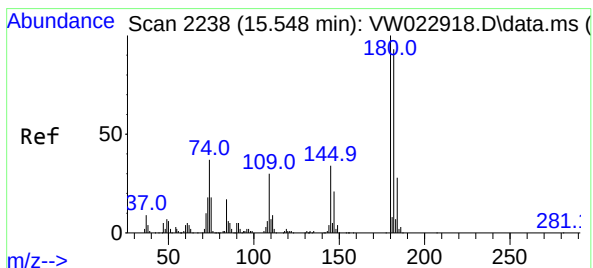
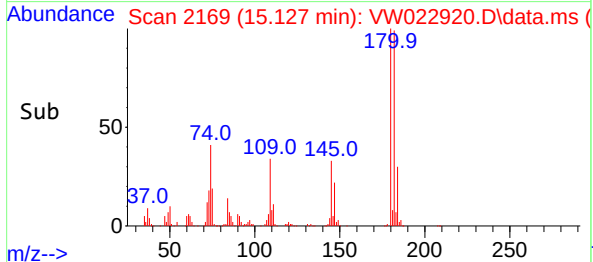
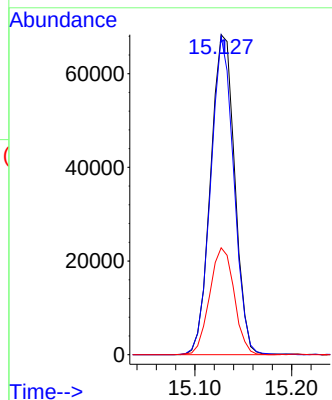
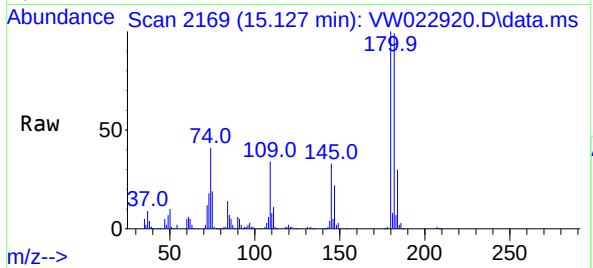




#70
1,2,4-trichlorobenzene
Concen: 19.446 ug/L
RT: 15.127 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Instrument :
MSVOA_W
ClientSampleId :
DBSK1

Tgt Ion:180 Resp: 118200
Ion Ratio Lower Upper
180 100
182 95.3 74.9 112.3
145 34.0 26.6 39.8



#72
1,2,3-Trichlorobenzene
Concen: 28.042 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VW022920.D
Acq: 09 May 2022 10:31

Tgt Ion:180 Resp: 151065
Ion Ratio Lower Upper
180 100
182 97.5 73.5 110.3
145 37.0 27.9 41.9

