

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093021\
 Data File : VW020273.D
 Acq On : 30 Sep 2021 16:29
 Operator : SY/VA
 Sample : M3973-21RE
 Misc : 6.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 01 01:06:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 01 01:03:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	23351	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	14477	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	3291	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	14318	29.972	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.880%
7) Chloroethane-d5	2.904	69	6980	19.396	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	4.031	63	17045	22.789	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.160%
21) 2-Butanone-d5	7.074	46	74	1.004	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	2.000%#
24) Chloroform-d	7.653	84	10809	14.719	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	58.880%
26) 1,2-Dichloroethane-d4	8.317	65	4076	10.313	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	41.240%#
32) Benzene-d6	8.281	84	21703	23.498	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	9.280	67	6080	22.746	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.000%
41) Toluene-d8	10.323	98	25811	30.713	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	122.840%
43) trans-1,3-Dichloroprop...	10.579	79	1088	9.523	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	38.080%
47) 2-Hexanone-d5	10.933	63	1088	29.413	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.820%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	2028	9.836	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	39.360%#
66) 1,2-Dichlorobenzene-d4	13.627	152	166	1.345	ug/L	-0.23
Spiked Amount	25.000	Range	75 - 120	Recovery	=	5.400%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	587	1.322	ug/L #	3
29) Cyclohexane	7.957	56	21318	66.177	ug/L #	84
33) Benzene	8.323	78	2101	2.405	ug/L	100
34) Trichloroethene	9.122	95	269	1.150	ug/L #	5
35) Methylcyclohexane	9.341	83	134991	354.224	ug/L	97
37) 1,2-Dichloropropane	9.341	63	1615	7.463	ug/L #	1
38) Bromodichloromethane	9.616	83	2265	7.729	ug/L #	25
42) Toluene	10.390	91	928	1.000	ug/L	82
45) 1,1,2-Trichloroethane	10.762	97	35758	225.348	ug/L #	22
48) 2-Hexanone	10.939	43	49439	651.184	ug/L #	24
50) 1,2-Dibromoethane	11.237	107	423	2.833	ug/L #	1
52) Ethylbenzene	11.847	91	2825	2.763	ug/L	85
53) m,p-Xylene	11.847	106	1380	3.540	ug/L	73
54) o-Xylene	12.170	106	1967	5.455	ug/L	82
60) Isopropylbenzene	13.103	105	159116	360.591	ug/L	92
61) 1,2,3-Trichloropropane	12.786	75	79	1.271	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.944	105	2518	6.953	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	7248	20.374	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.682	75	1915	137.279	ug/L #	16

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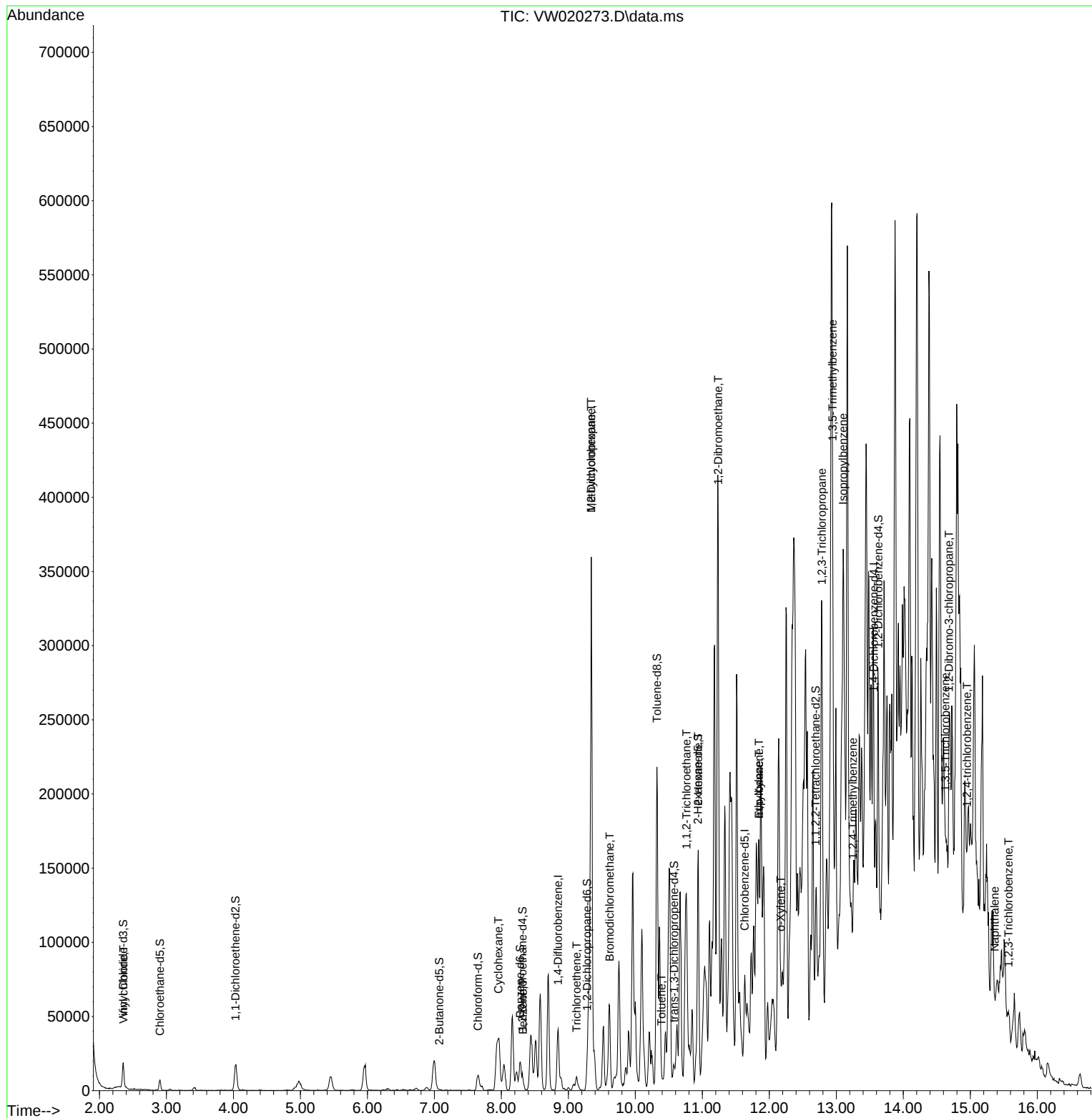
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	14.627	180	94	0.672	ug/L #	69
70) 1,2,4-trichlorobenzene	14.950	180	176	1.629	ug/L	86
71) Naphthalene	15.365	128	2922	15.337	ug/L #	80
72) 1,2,3-Trichlorobenzene	15.572	180	503	5.171	ug/L #	34

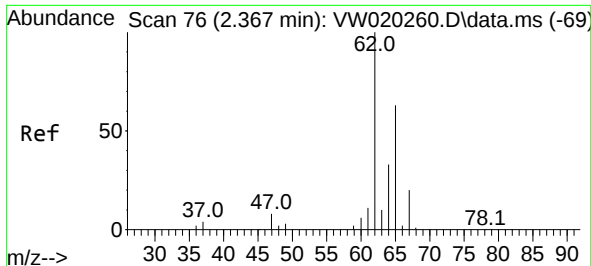
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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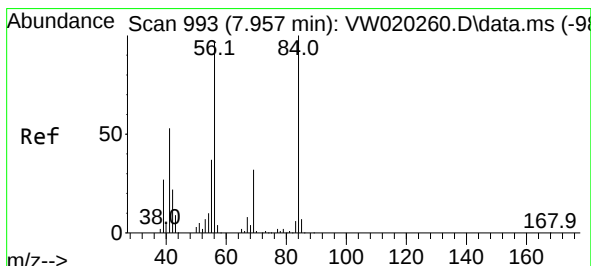
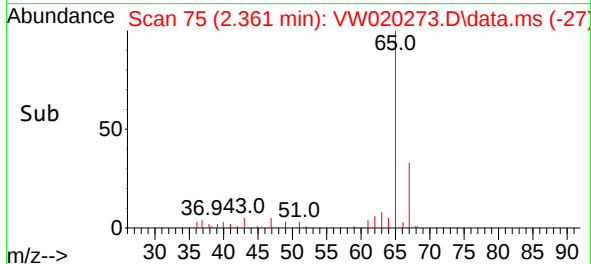
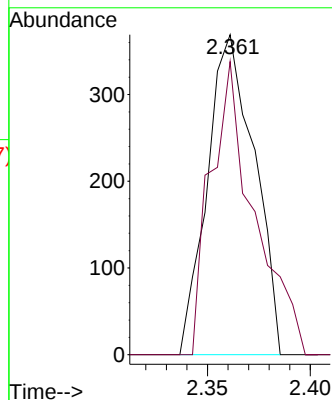
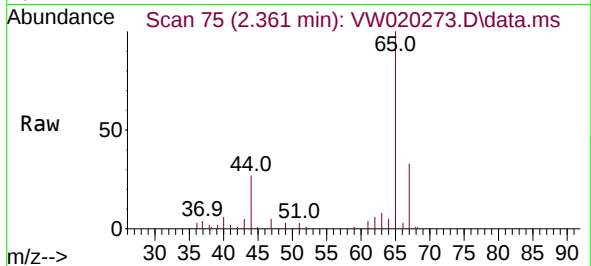




#5
 Vinyl chloride
 Concen: 1.322 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW020273.D
 Acq: 30 Sep 2021 16:29

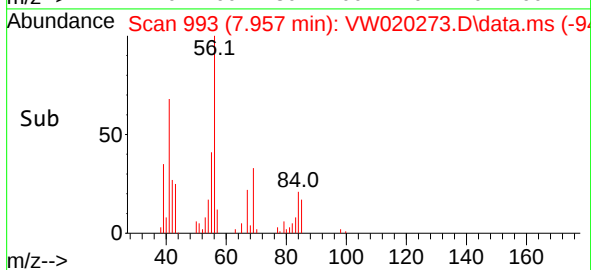
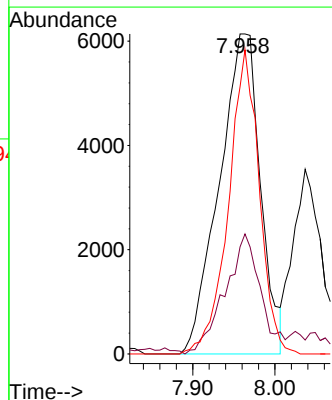
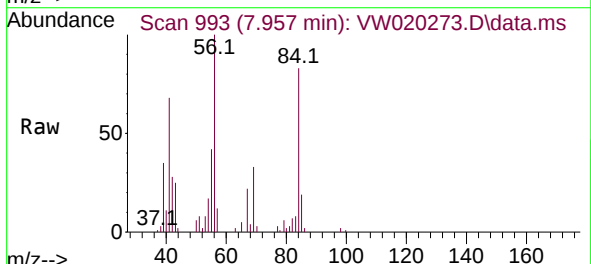
Instrument :
 MSVOA_W
 ClientSampled :

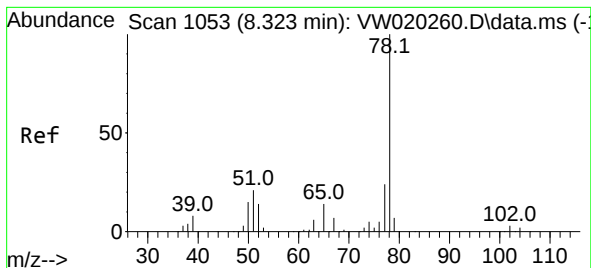
Tgt Ion: 62 Resp: 587
 Ion Ratio Lower Upper
 62 100
 64 91.6 24.5 45.5#



#29
 Cyclohexane
 Concen: 66.177 ug/L
 RT: 7.957 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VW020273.D
 Acq: 30 Sep 2021 16:29

Tgt Ion: 56 Resp: 21318
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.7 38.5
 84 71.3 73.4 110.2#





#33

Benzene

Concen: 2.405 ug/L

RT: 8.323 min Scan# 1053

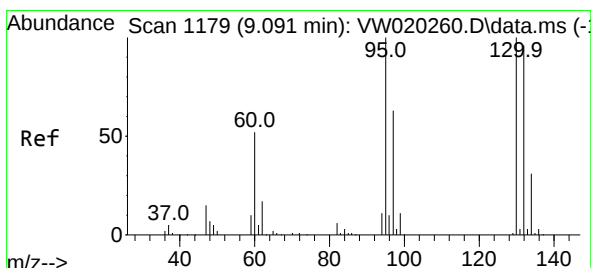
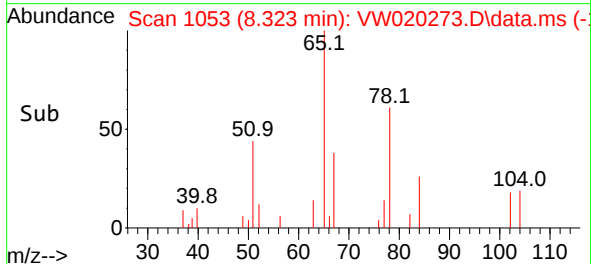
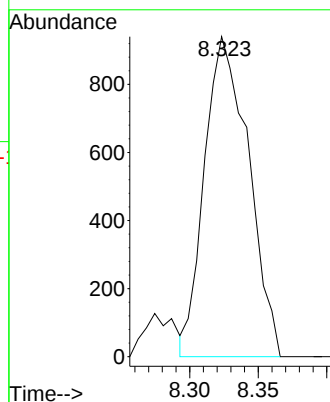
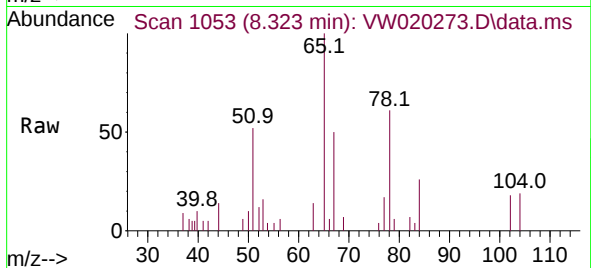
Delta R.T. 0.000 min

Lab File: VW020273.D

Acq: 30 Sep 2021 16:29

Tgt Ion: 78 Resp: 2101

Instrument :
MSVOA_W
ClientSampleId :



#34

Trichloroethene

Concen: 1.150 ug/L

RT: 9.122 min Scan# 1184

Delta R.T. 0.030 min

Lab File: VW020273.D

Acq: 30 Sep 2021 16:29

Tgt Ion: 95 Resp: 269

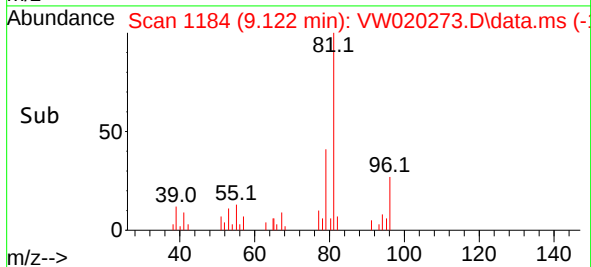
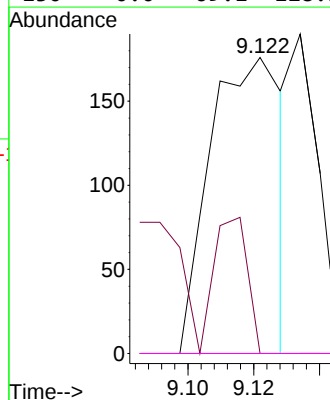
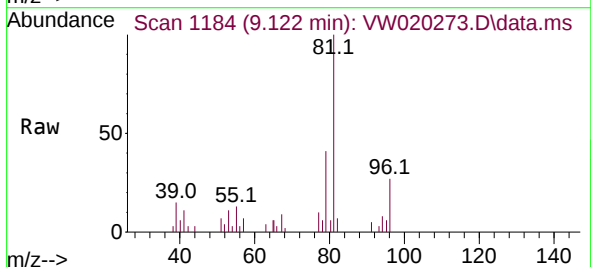
Ion Ratio Lower Upper

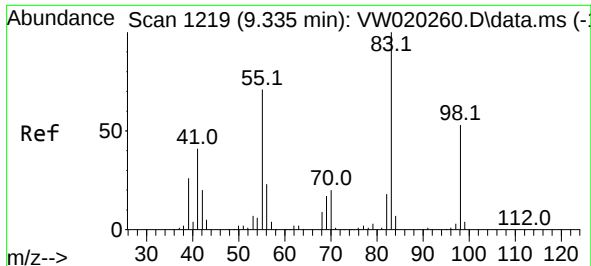
95 100

97 0.0 45.1 83.7#

132 0.0 67.9 126.1#

130 0.0 69.1 128.3#

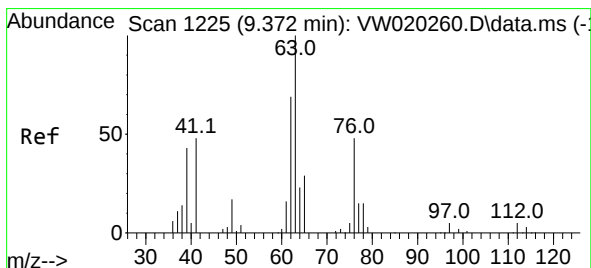
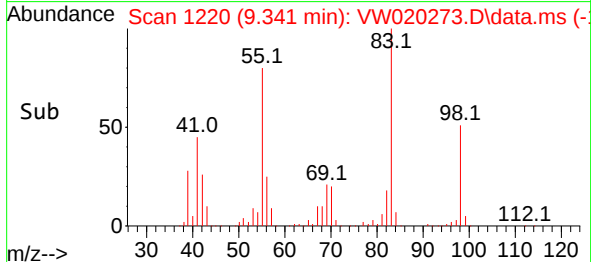
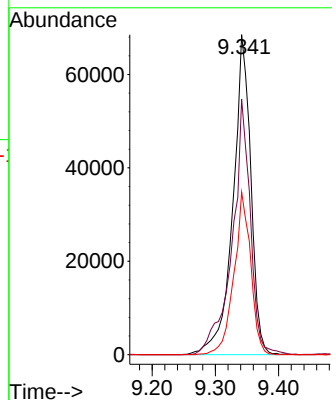
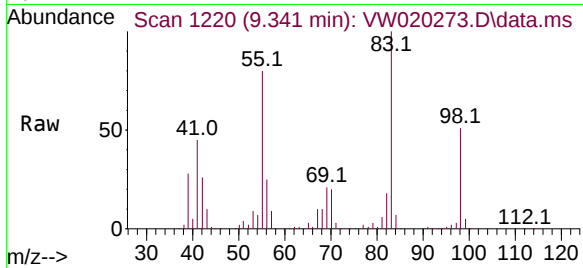




#35
Methylcyclohexane
Concen: 354.224 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

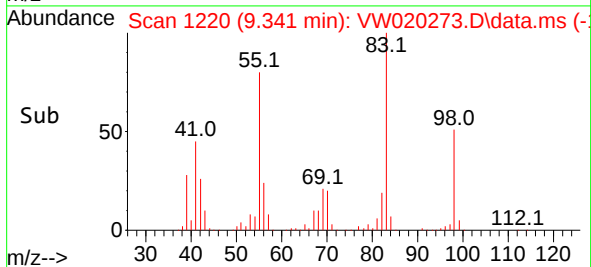
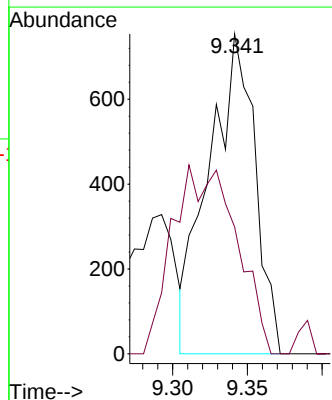
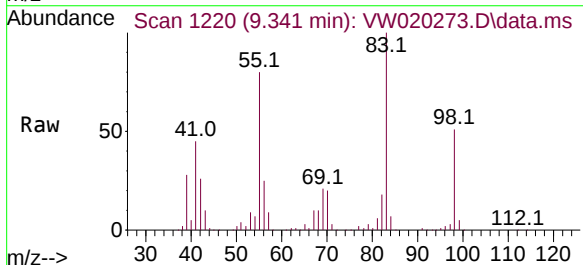
Instrument :
MSVOA_W
ClientSampled :

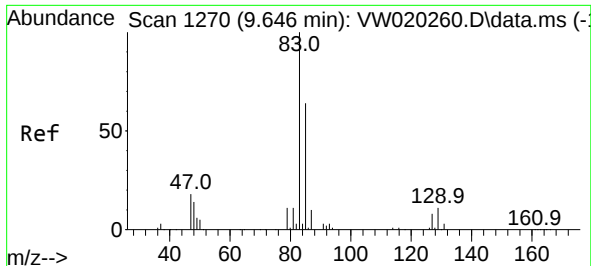
Tgt Ion:	83	Resp:	134991
Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.4	92.2
98	47.5	38.1	57.1



#37
1,2-Dichloropropane
Concen: 7.463 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. -0.030 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion:	63	Resp:	1615
Ion	Ratio	Lower	Upper
63	100		
112	44.1	3.6	5.4#

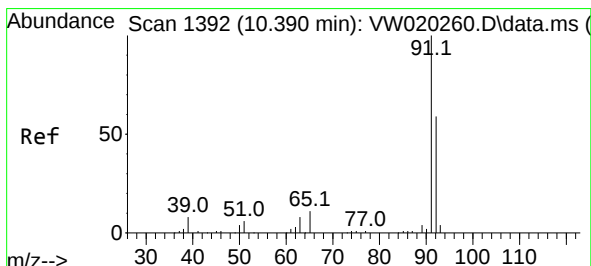
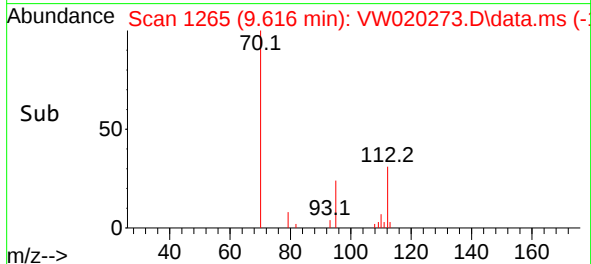
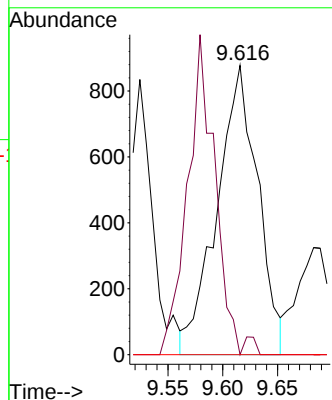
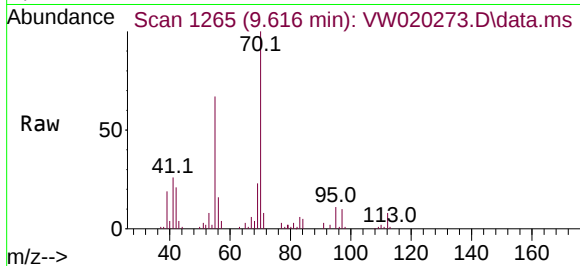




#38
Bromodichloromethane
Concen: 7.729 ug/L
RT: 9.616 min Scan# 1265
Delta R.T. -0.030 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

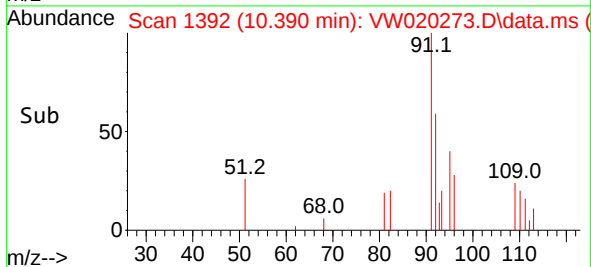
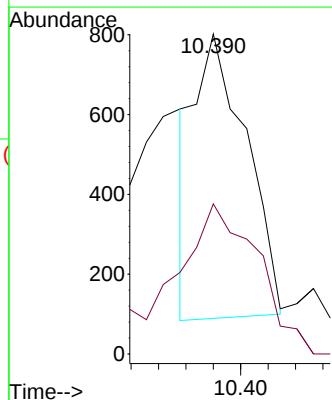
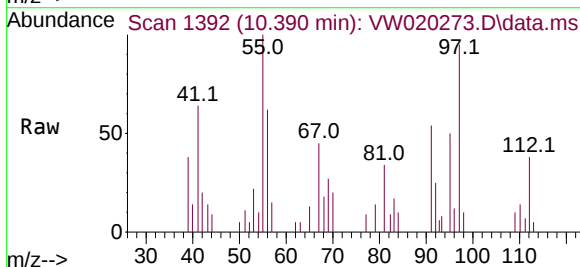
Instrument :
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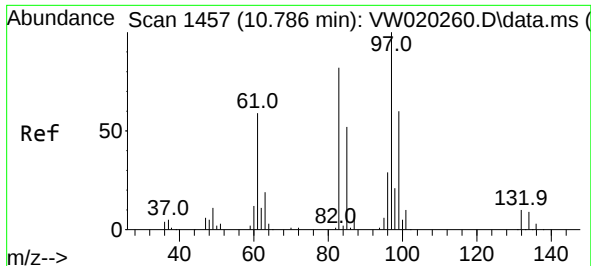
Tgt Ion: 83 Resp: 2265
Ion Ratio Lower Upper
83 100
85 0.0 44.4 82.5#
127 0.0 6.5 9.7#



#42
Toluene
Concen: 1.000 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

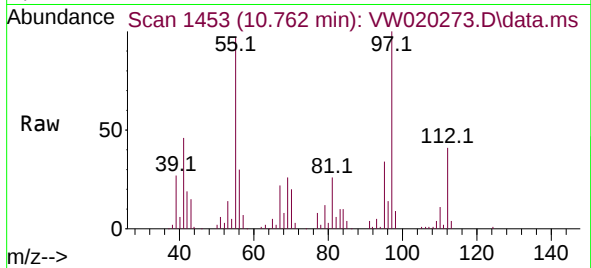
Tgt Ion: 91 Resp: 928
Ion Ratio Lower Upper
91 100
92 46.9 42.2 78.4



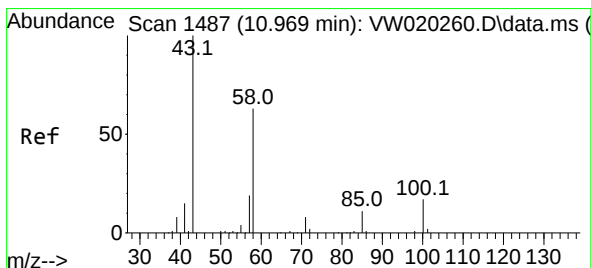
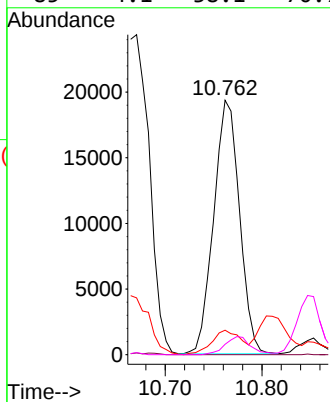
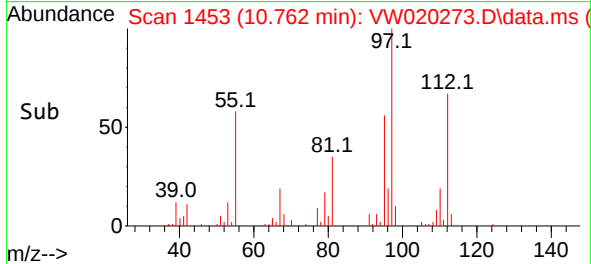


#45
1,1,2-Trichloroethane
Concen: 225.348 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

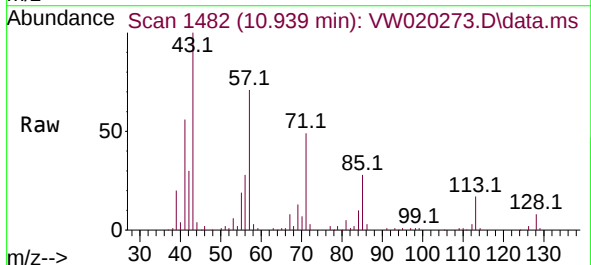
Instrument :
MSVOA_W
ClientSampled :



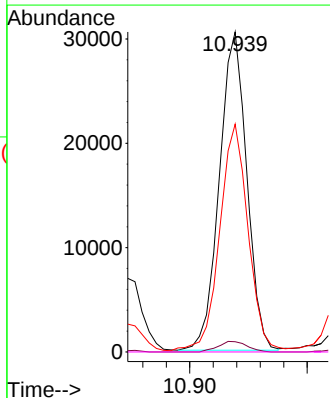
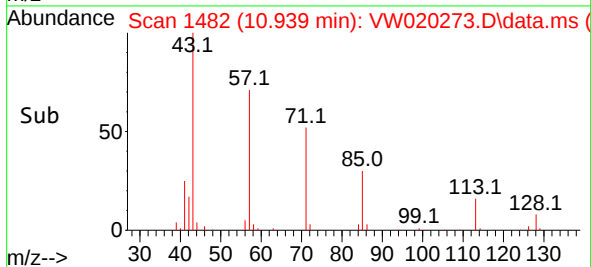
Tgt Ion:	97	Resp:	35758
Ion Ratio	100	Lower	Upper
97	100		
99	0.0	42.0	78.0#
83	9.6	58.7	108.9#
85	4.1	38.1	70.7#

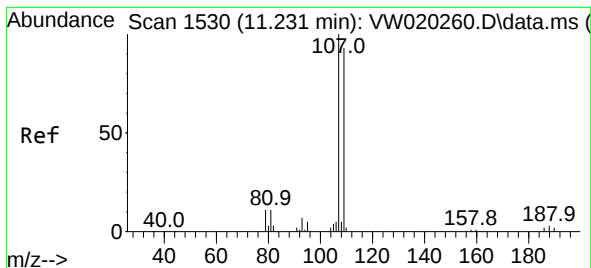


#48
2-Hexanone
Concen: 651.184 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29



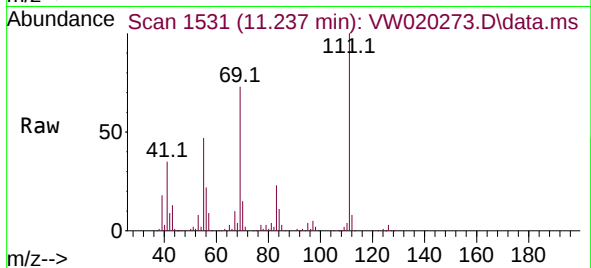
Tgt Ion:	43	Resp:	49439
Ion Ratio	100	Lower	Upper
43	100		
58	3.5	43.8	65.6#
57	73.2	15.6	23.4#
100	0.0	10.5	15.7#



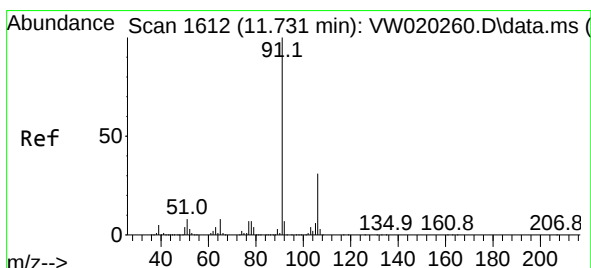
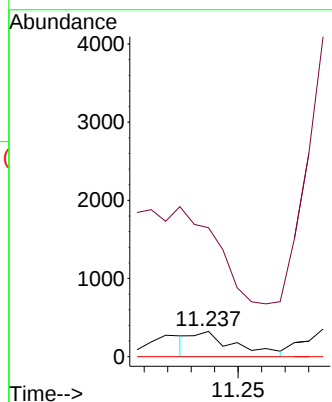
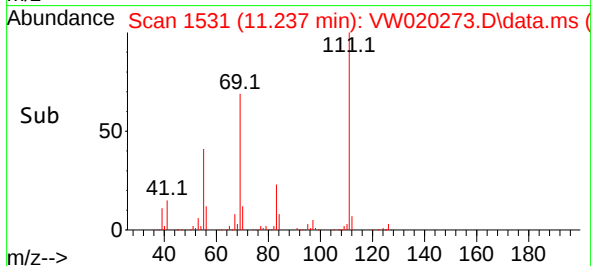


#50
1,2-Dibromoethane
Concen: 2.833 ug/L
RT: 11.237 min Scan# 1531
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

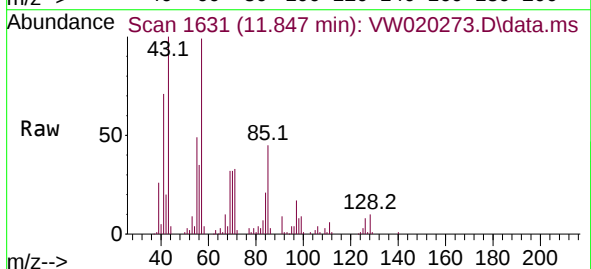
Instrument :
MSVOA_W
ClientSampleId :



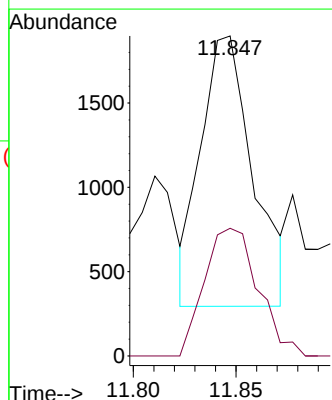
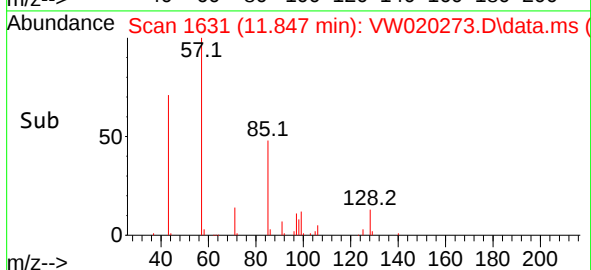
Tgt Ion:107 Resp: 423
Ion Ratio Lower Upper
107 100
109 509.0 64.1 119.1#
188 0.0 3.0 4.4#

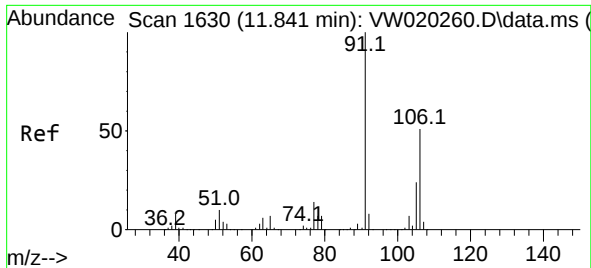


#52
Ethylbenzene
Concen: 2.763 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.116 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29



Tgt Ion: 91 Resp: 2825
Ion Ratio Lower Upper
91 100
106 39.9 22.0 40.8

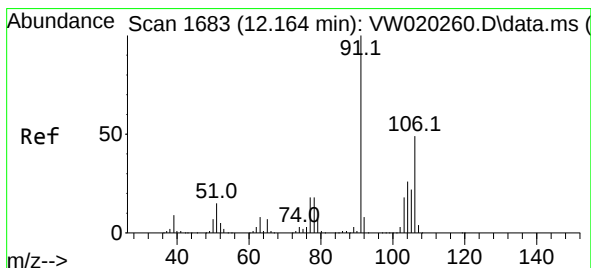
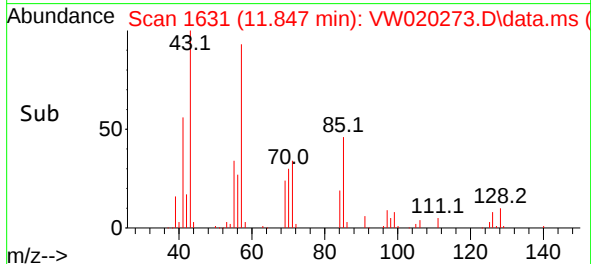
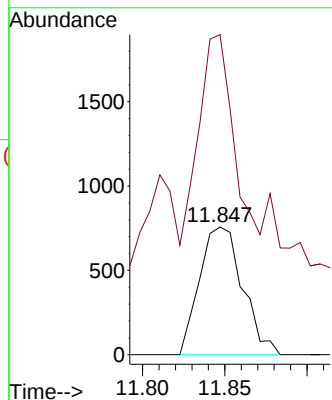
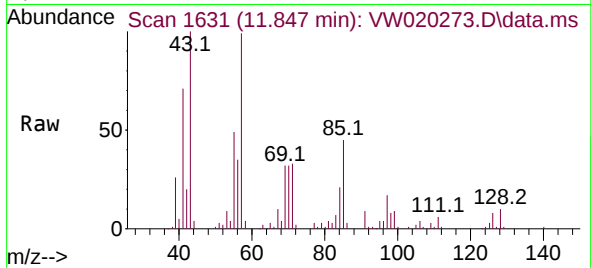




#53
m,p-Xylene
Concen: 3.540 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

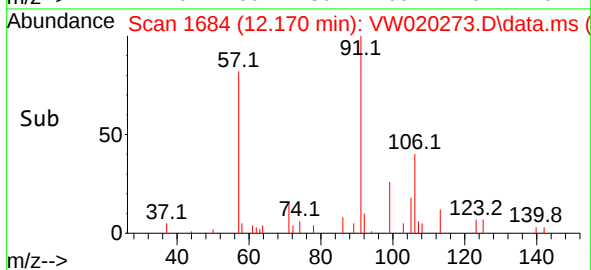
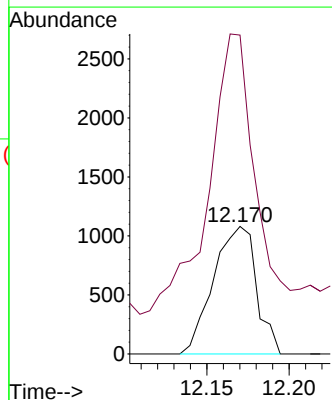
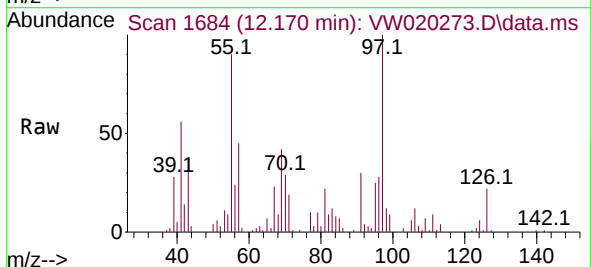
Instrument :
MSVOA_W
ClientSampled :

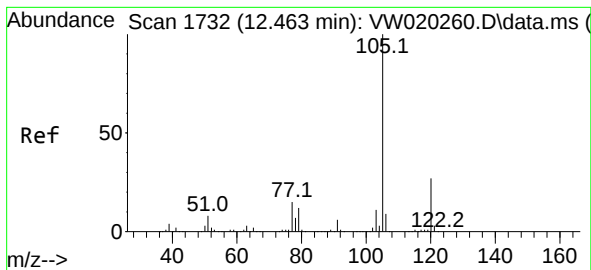
Tgt Ion:106 Resp: 1380
Ion Ratio Lower Upper
106 100
91 250.7 146.4 271.8



#54
o-Xylene
Concen: 5.455 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion:106 Resp: 1967
Ion Ratio Lower Upper
106 100
91 250.1 154.3 286.7

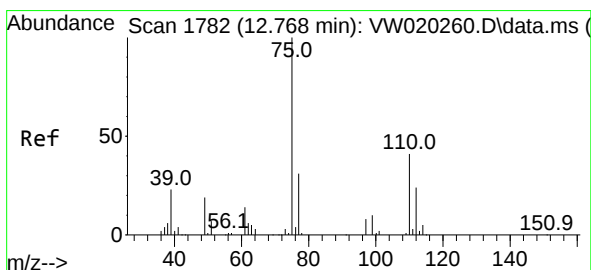
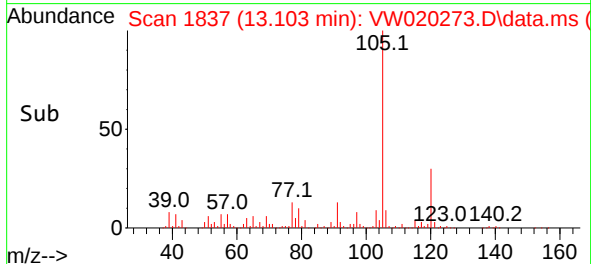
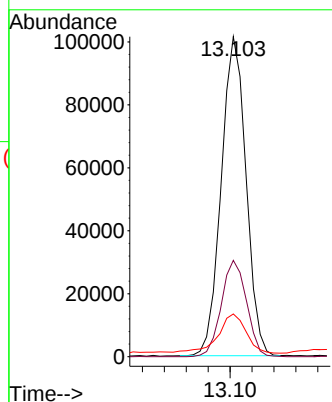
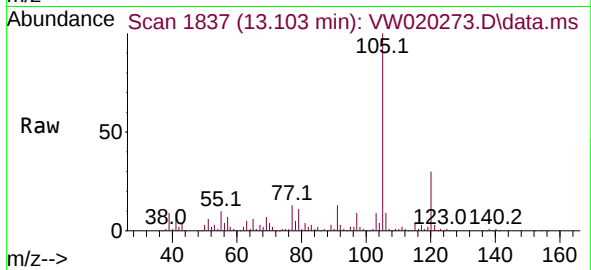




#60
Isopropylbenzene
Concen: 360.591 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

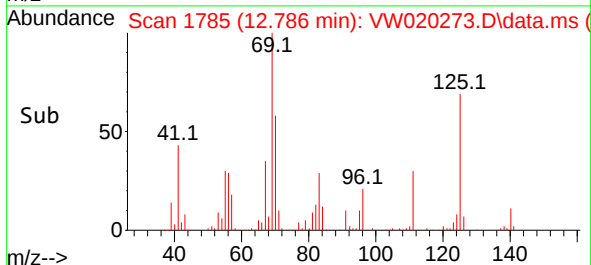
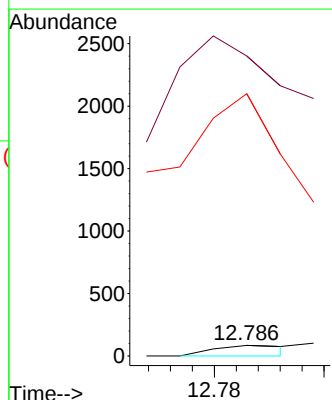
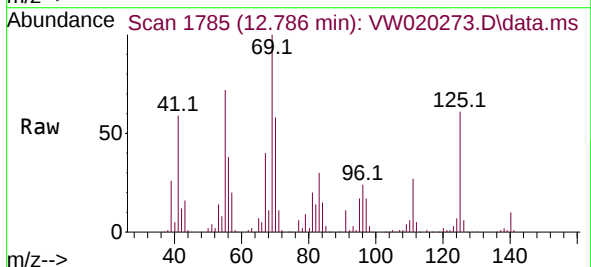
Instrument :
MSVOA_W
ClientSampled :

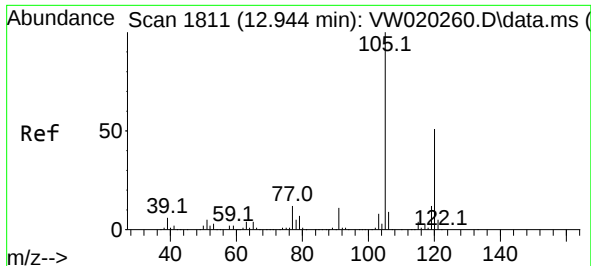
Tgt Ion:105 Resp: 159116
Ion Ratio Lower Upper
105 100
120 30.6 20.9 31.3
77 13.8 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 1.271 ug/L
RT: 12.786 min Scan# 1785
Delta R.T. 0.018 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
77 5032.9 26.3 39.5#
110 3575.9 30.2 45.2#

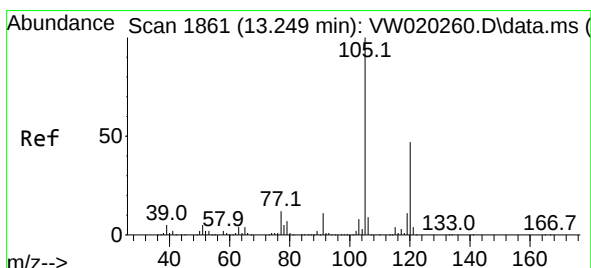
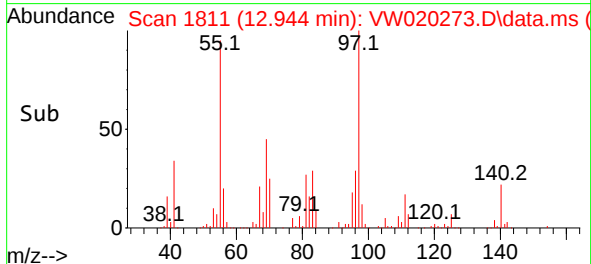
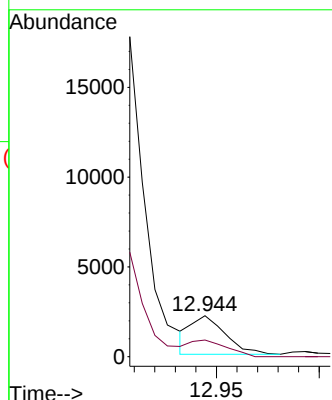
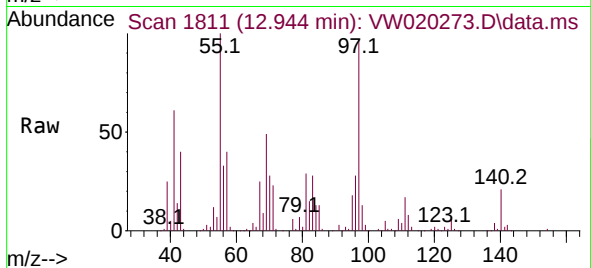




#62
1,3,5-Trimethylbenzene
Concen: 6.953 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

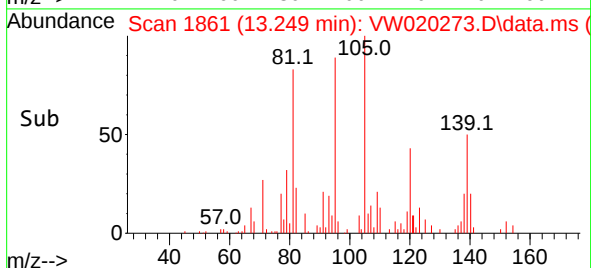
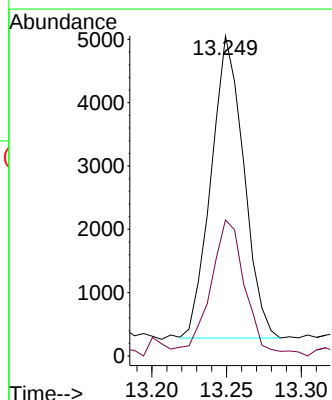
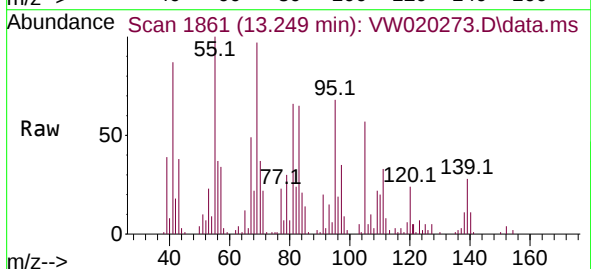
Instrument :
MSVOA_W
ClientSampled :

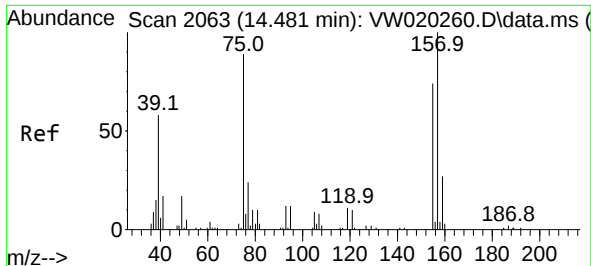
Tgt Ion:105 Resp: 2518
Ion Ratio Lower Upper
105 100
120 46.1 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 20.374 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

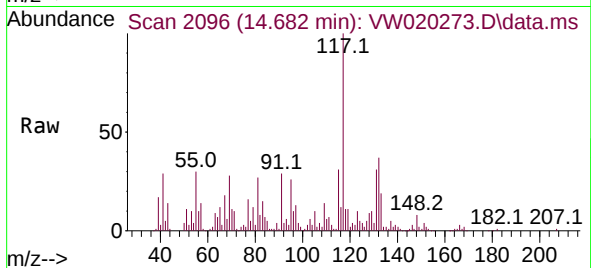
Tgt Ion:105 Resp: 7248
Ion Ratio Lower Upper
105 100
120 47.0 36.2 54.4



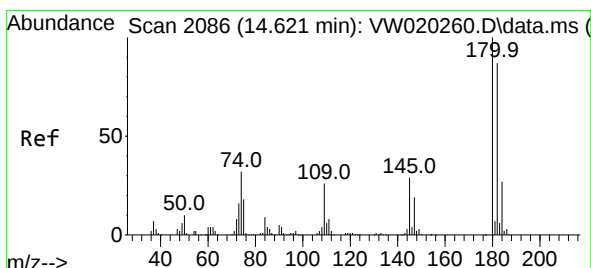
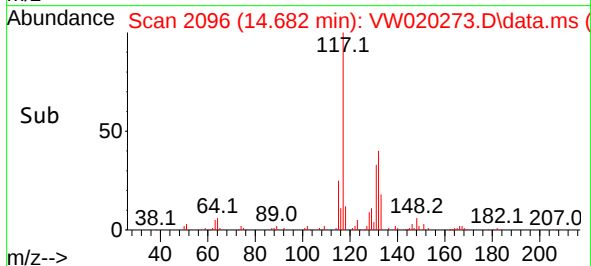
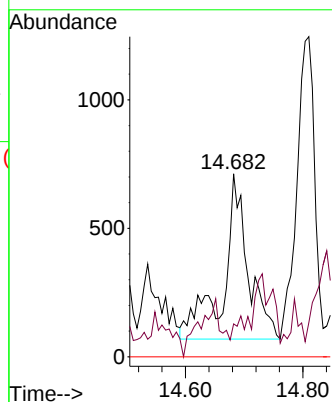


#68
1,2-Dibromo-3-chloropropane
Concen: 137.279 ug/L
RT: 14.682 min Scan# 2096
Delta R.T. 0.201 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Instrument :
MSVOA_W
ClientSampled :

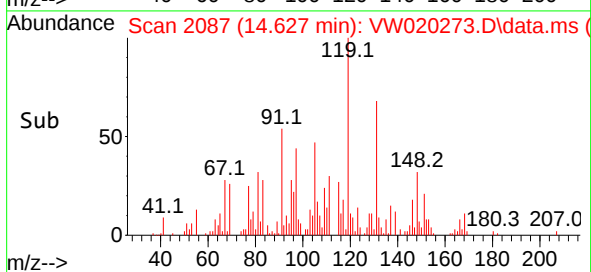
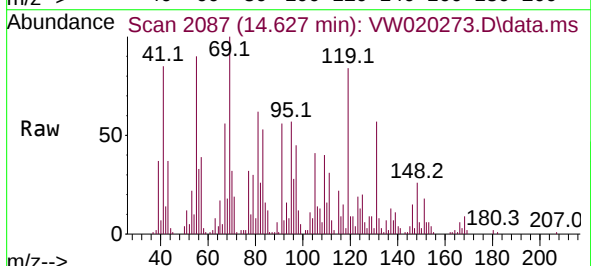
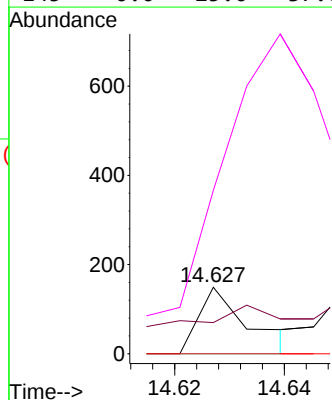


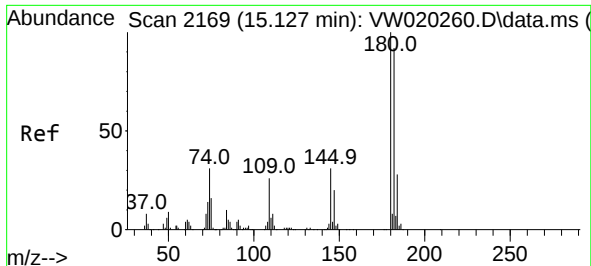
Tgt Ion: 75 Resp: 1915
Ion Ratio Lower Upper
75 100
155 18.0 58.5 87.7#
157 0.0 77.4 116.0#



#69
1,3,5-Trichlorobenzene
Concen: 0.672 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.006 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion:180 Resp: 94
Ion Ratio Lower Upper
180 100
182 79.8 75.2 112.8
184 0.0 24.3 36.5#
145 0.0 25.0 37.6#

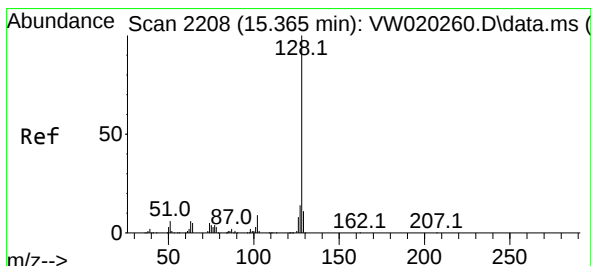
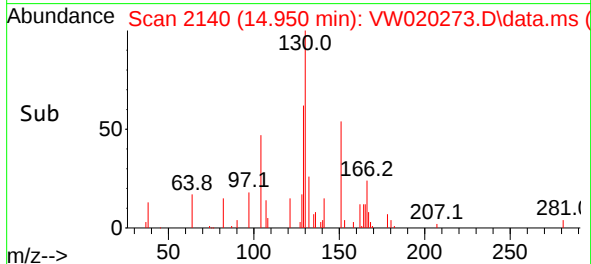
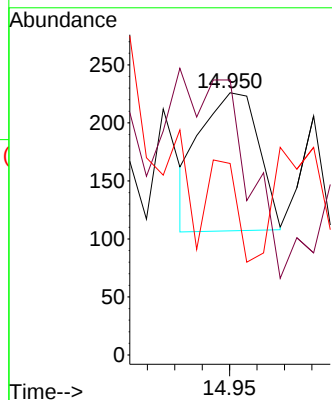
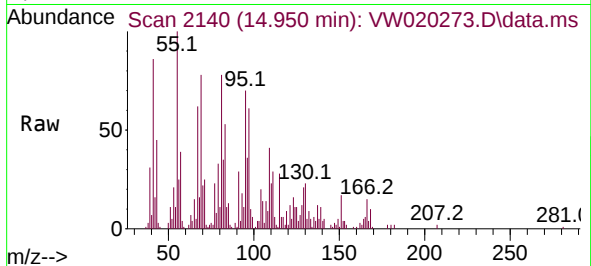




#70
1,2,4-trichlorobenzene
Concen: 1.629 ug/L
RT: 14.950 min Scan# 2140
Delta R.T. -0.177 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

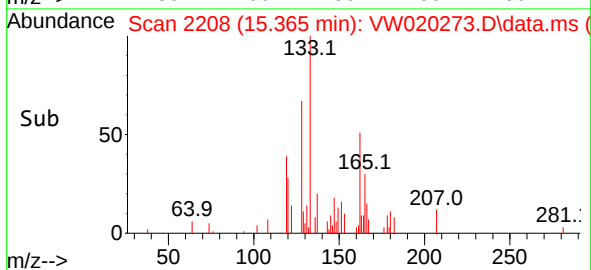
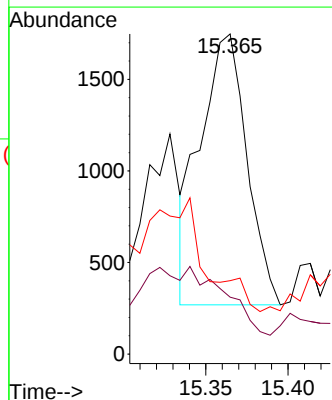
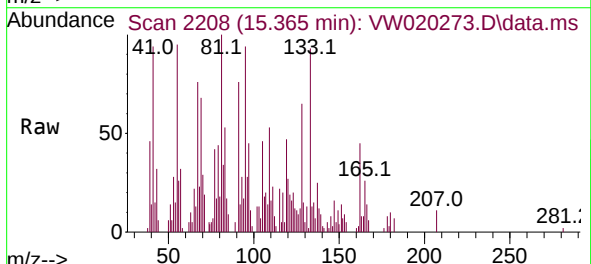
Instrument :
MSVOA_W
ClientSampleId :

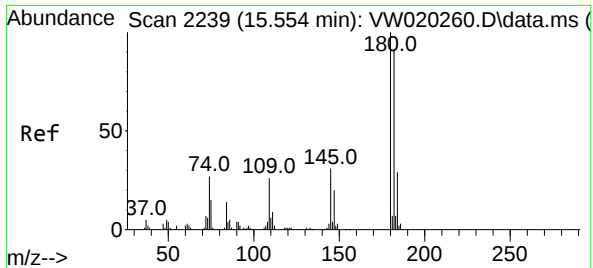
Tgt Ion:180 Resp: 176
Ion Ratio Lower Upper
180 100
182 104.0 70.6 106.0
145 35.8 25.7 38.5



#71
Naphthalene
Concen: 15.337 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020273.D
Acq: 30 Sep 2021 16:29

Tgt Ion:128 Resp: 2922
Ion Ratio Lower Upper
128 100
127 1.3 10.3 15.5#
129 7.0 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 5.171 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW020273.D
 Acq: 30 Sep 2021 16:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:	180	Resp:	503
Ion Ratio	Lower	Upper	
180	100		
182	29.0	75.7	113.5#
145	0.0	28.2	42.4#

