

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021026.D
 Acq On : 02 Dec 2021 05:52
 Operator : SY/VA
 Sample : M4881-14
 Misc : 4.94g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 03 00:22:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	70490	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	30787	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	4014	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	18995	23.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.920%
7) Chloroethane-d5	2.885	69	14443	27.389	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.560%
11) 1,1-Dichloroethene-d2	4.019	63	23313	14.736	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.960%
21) 2-Butanone-d5	7.074	46	10776	52.802	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.600%
24) Chloroform-d	7.653	84	45788	25.780	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.120%
26) 1,2-Dichloroethane-d4	8.305	65	22705	25.185	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.760%
32) Benzene-d6	8.275	84	74632	45.994	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	183.960%#
36) 1,2-Dichloropropane-d6	9.274	67	23798	51.504	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	206.000%#
41) Toluene-d8	10.323	98	47145	29.273	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.080%
43) trans-1,3-Dichloroprop...	10.579	79	4582	20.980	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.920%
47) 2-Hexanone-d5	10.920	63	6816	88.943	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	177.880%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	12904	36.456	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	145.840%#
66) 1,2-Dichlorobenzene-d4	13.853	152	3614	25.261	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.040%
Target Compounds						
						Qvalue
13) Acetone	4.129	43	987	5.417	ug/L	80
16) Methylene chloride	4.915	84	4122	4.193	ug/L	77
22) 2-Butanone	7.147	43	2351	9.497	ug/L	# 52
27) 1,2-Dichloroethane	8.403	62	2117	2.028	ug/L	# 86
29) Cyclohexane	7.951	56	623	0.908	ug/L	# 75
33) Benzene	8.323	78	2282	1.309	ug/L	100
34) Trichloroethene	9.092	95	60587	124.263	ug/L	96
35) Methylcyclohexane	9.335	83	1892	2.354	ug/L	# 87
37) 1,2-Dichloropropane	9.274	63	3109	7.664	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	550	0.821	ug/L	# 67
42) Toluene	10.390	91	3349	1.708	ug/L	81
48) 2-Hexanone	10.957	43	413	2.469	ug/L	# 43
52) Ethylbenzene	11.731	91	1104	0.508	ug/L	# 82
53) m,p-Xylene	11.835	106	1719	1.938	ug/L	68
54) o-Xylene	12.170	106	641	0.752	ug/L	69
61) 1,2,3-Trichloropropane	12.932	75	60	1.019	ug/L	# 40
62) 1,3,5-Trimethylbenzene	12.944	105	363	0.787	ug/L	88
63) 1,2,4-Trimethylbenzene	13.249	105	978	2.149	ug/L	91
71) Naphthalene	15.359	128	787	2.908	ug/L	# 77

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Quant Time: Dec 03 00:22:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration

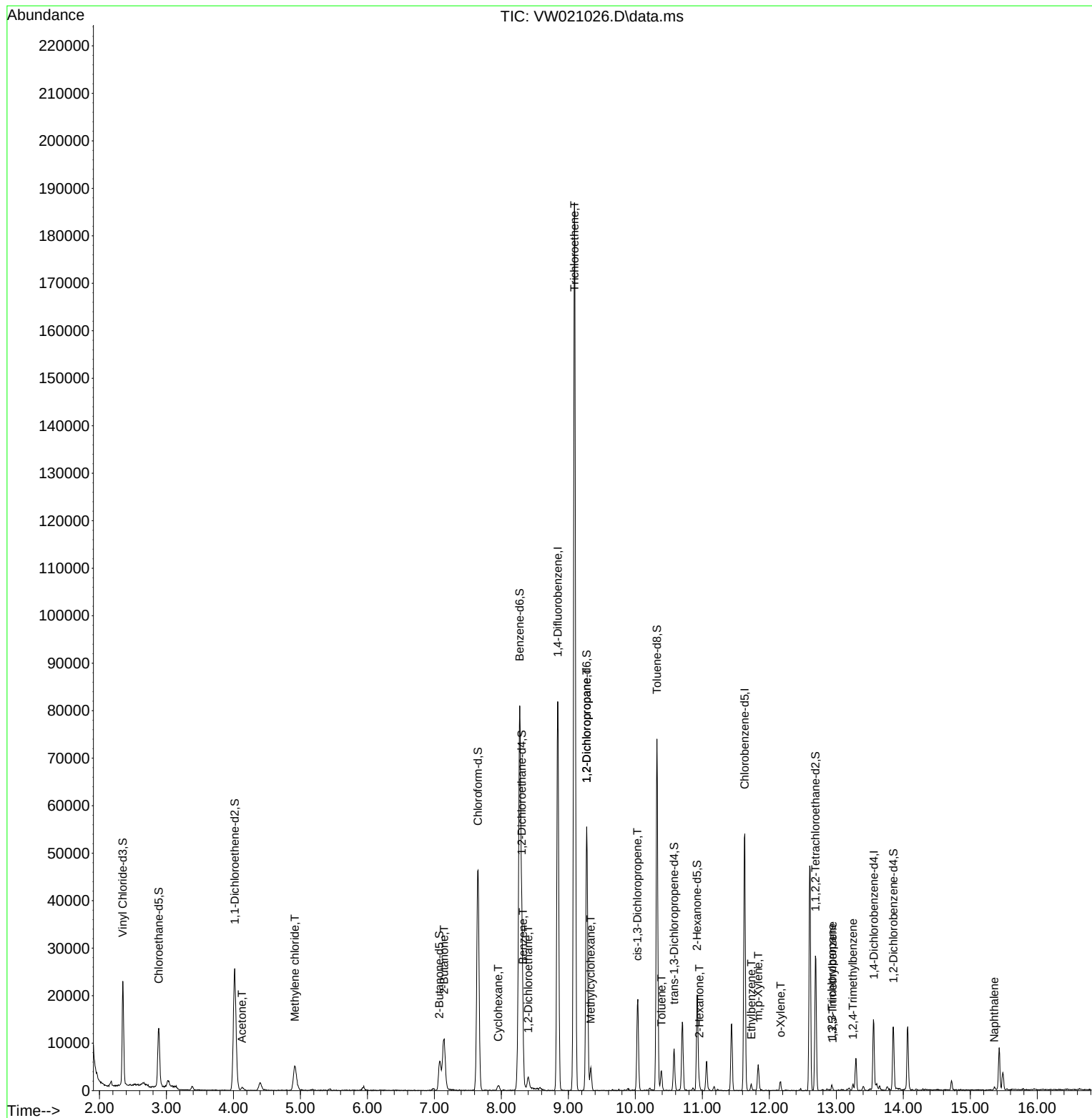
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

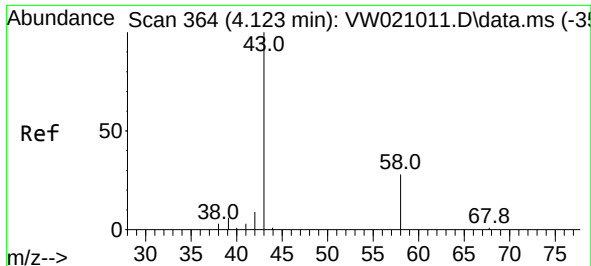
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration

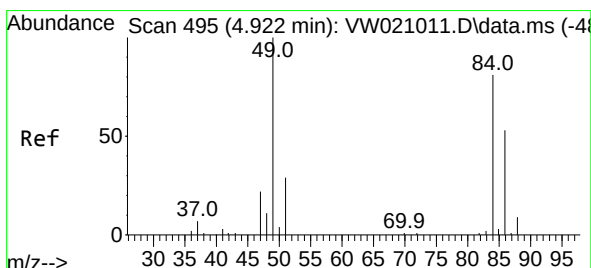
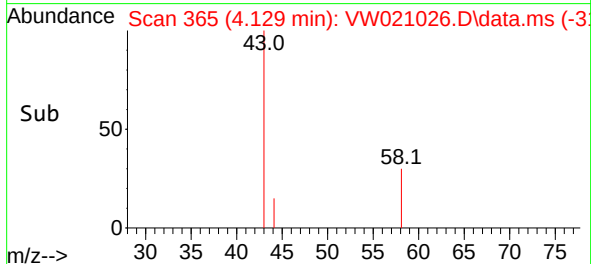
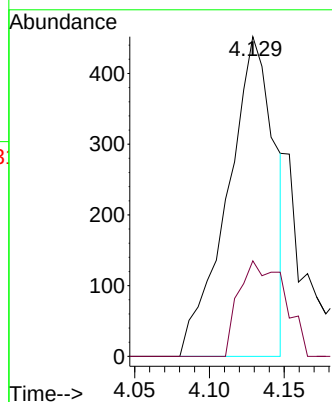
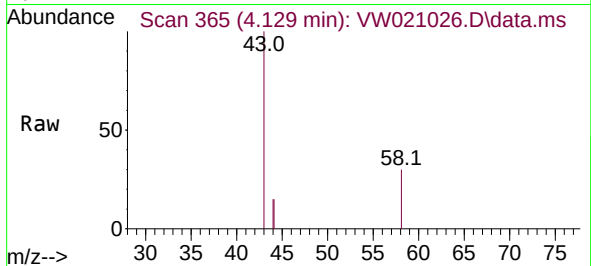




#13
Acetone
Concen: 5.417 ug/L
RT: 4.129 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

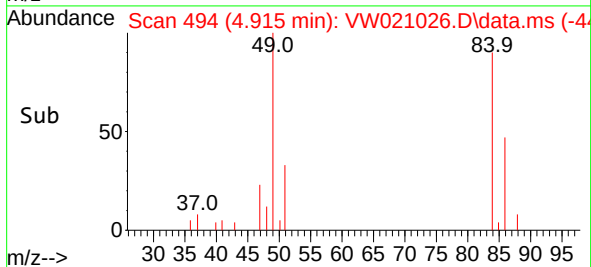
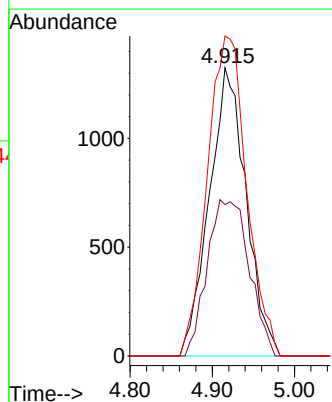
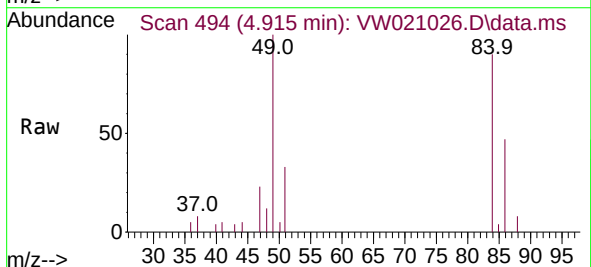
Instrument :
MSVOA_W
ClientSampleId :

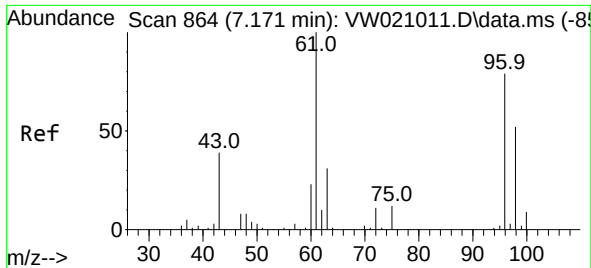
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 16.1 0.0 52.8



#16
Methylene chloride
Concen: 4.193 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Tgt Ion: 84 Resp: 4122
Ion Ratio Lower Upper
84 100
86 52.5 45.5 84.5
49 111.0 100.5 186.7

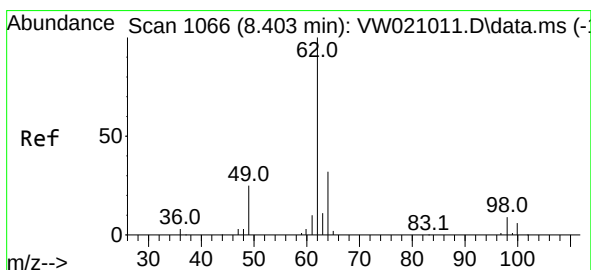
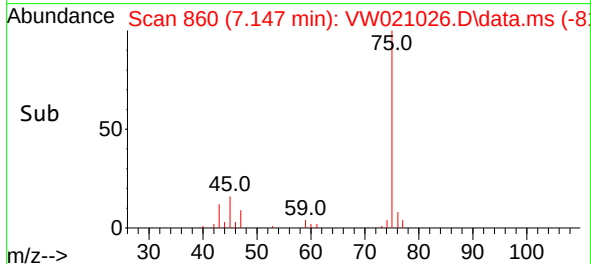
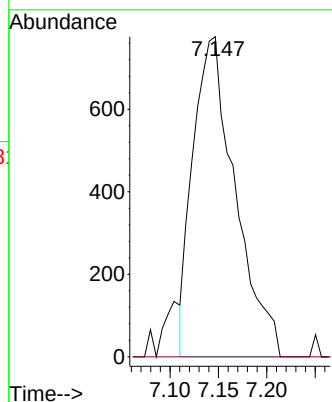
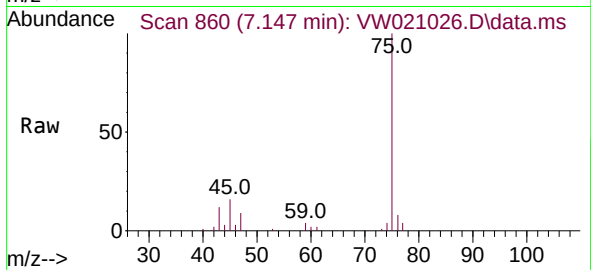




#22
2-Butanone
Concen: 9.497 ug/L
RT: 7.147 min Scan# 860
Delta R.T. -0.025 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

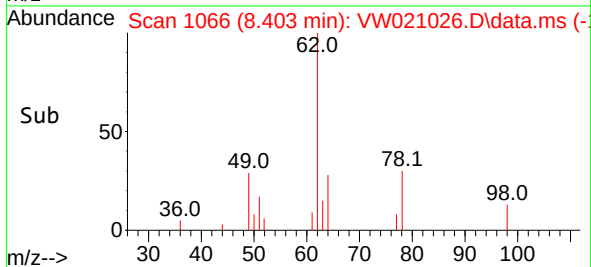
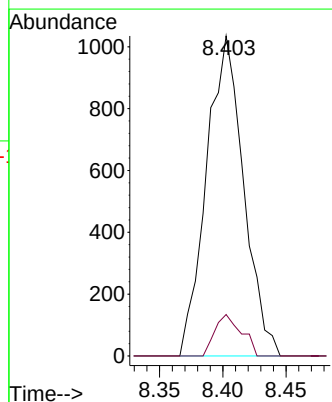
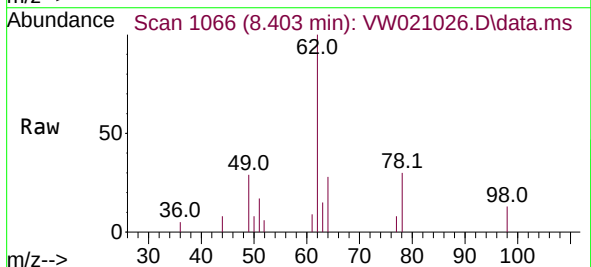
Instrument :
MSVOA_W
ClientSampleId :

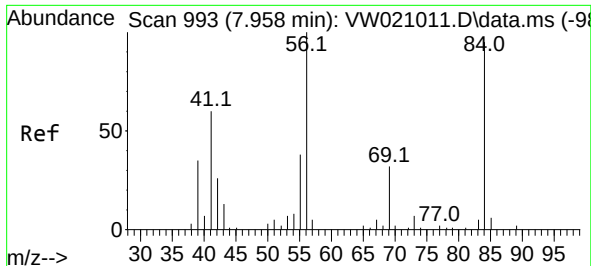
Tgt Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 2.028 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Tgt Ion: 62 Resp: 2117
Ion Ratio Lower Upper
62 100
98 12.9 6.5 9.7#





#29

Cyclohexane

Concen: 0.908 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.006 min

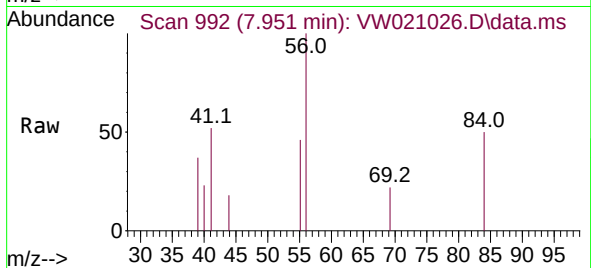
Lab File: VW021026.D

Acq: 02 Dec 2021 05:52

Instrument :

MSVOA_W

ClientSampleId :



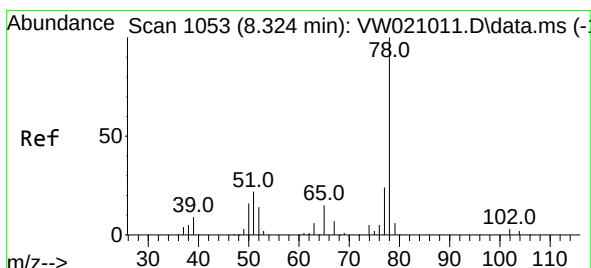
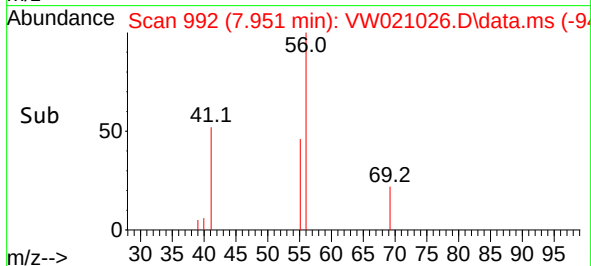
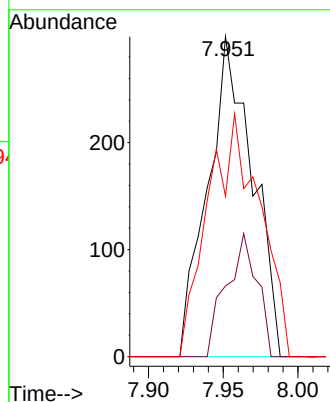
Tgt Ion: 56 Resp: 623

Ion Ratio Lower Upper

56 100

69 26.3 23.5 35.3

84 50.6 63.4 95.2#



#33

Benzene

Concen: 1.309 ug/L

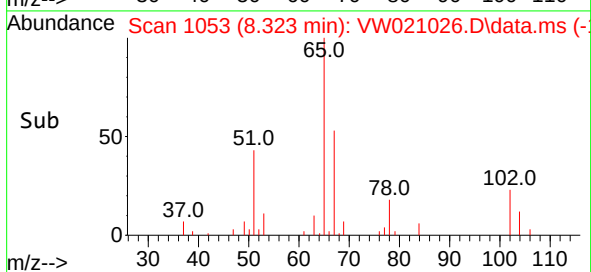
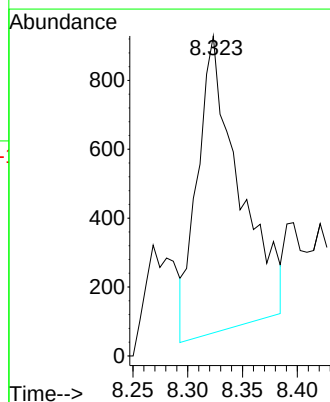
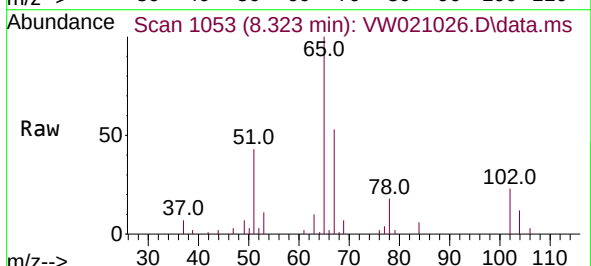
RT: 8.323 min Scan# 1053

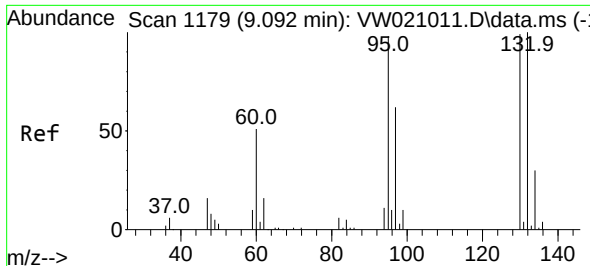
Delta R.T. -0.000 min

Lab File: VW021026.D

Acq: 02 Dec 2021 05:52

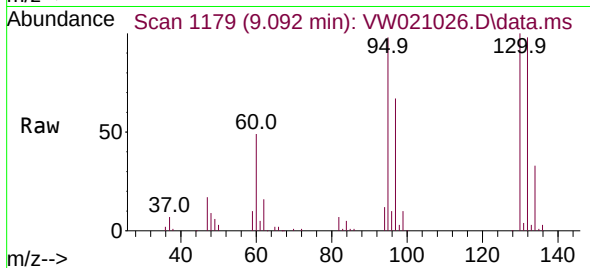
Tgt Ion: 78 Resp: 2282





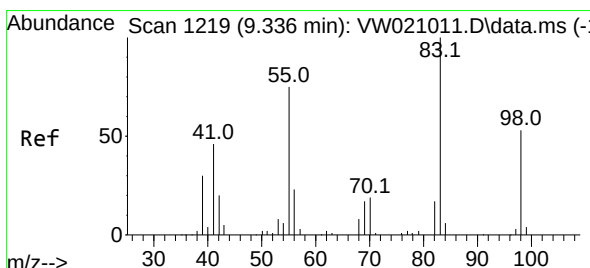
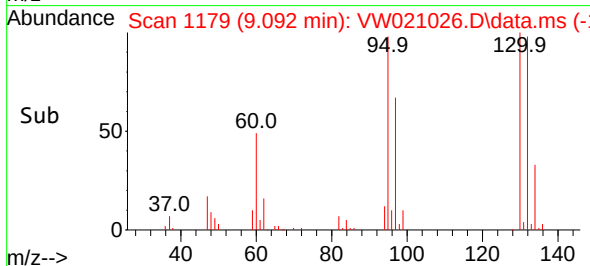
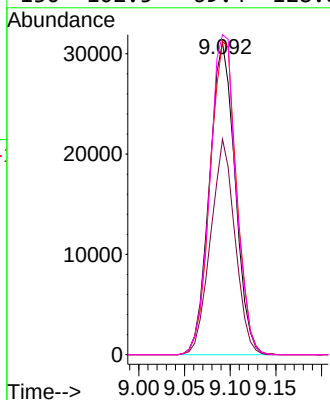
#34
Trichloroethene
Concen: 124.263 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 60587

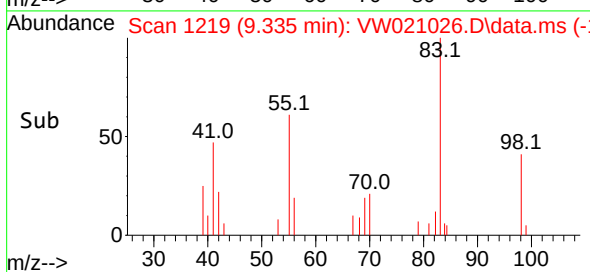
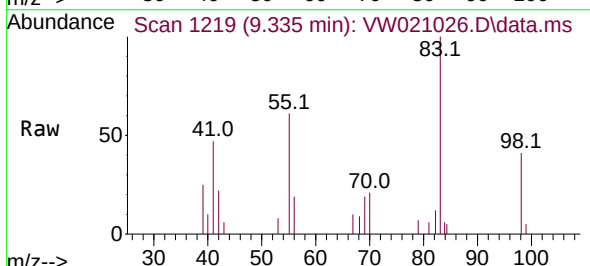
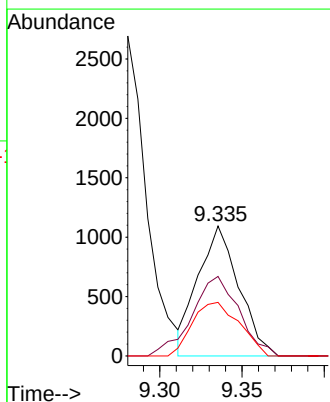
Ion	Ratio	Lower	Upper
95	100		
97	69.1	47.0	87.2
132	100.4	65.5	121.6
130	102.5	69.4	128.8

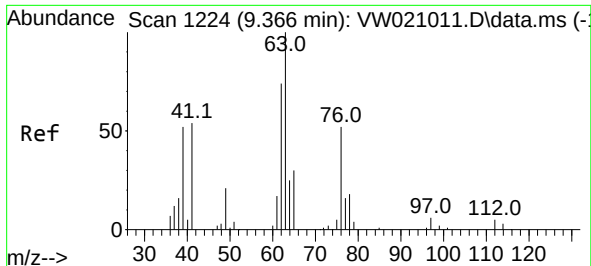


#35
Methylcyclohexane
Concen: 2.354 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Tgt Ion: 83 Resp: 1892

Ion	Ratio	Lower	Upper
83	100		
55	70.3	70.8	106.2#
98	47.5	37.7	56.5





#37

1,2-Dichloropropane

Concen: 7.664 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021026.D

Acq: 02 Dec 2021 05:52

Instrument :

MSVOA_W

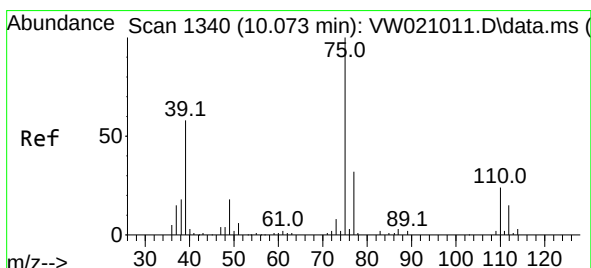
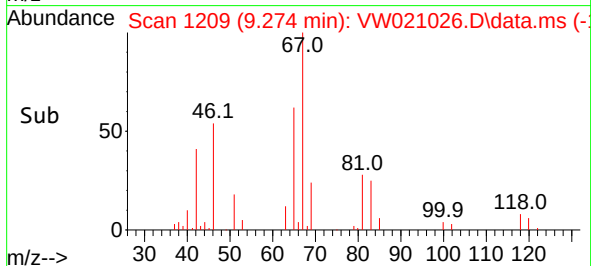
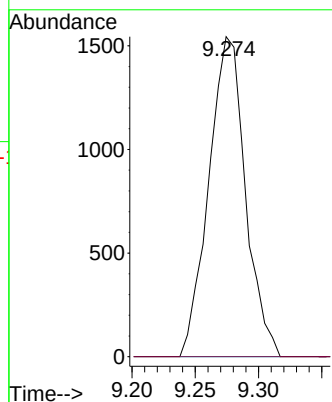
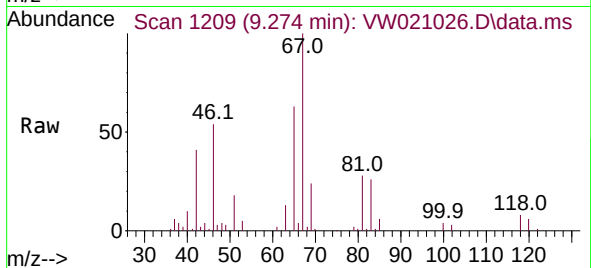
ClientSampleId :

Tgt Ion: 63 Resp: 3109

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.821 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021026.D

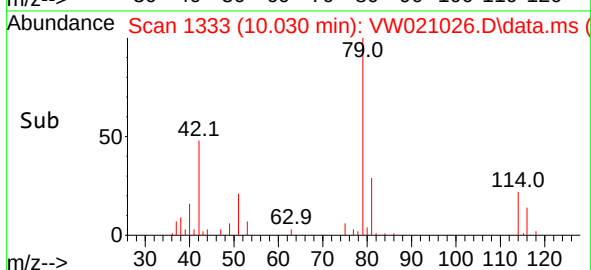
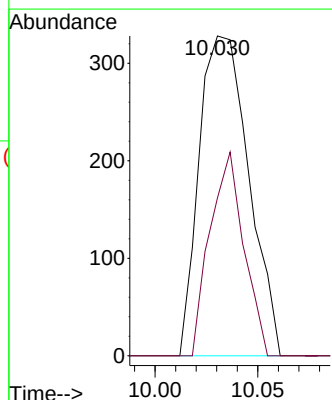
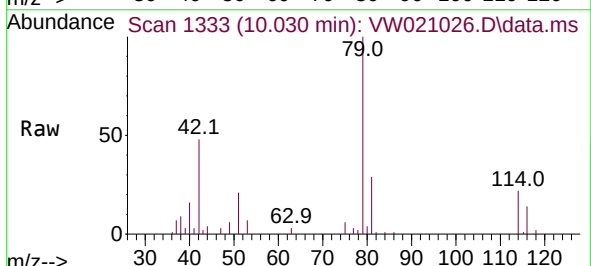
Acq: 02 Dec 2021 05:52

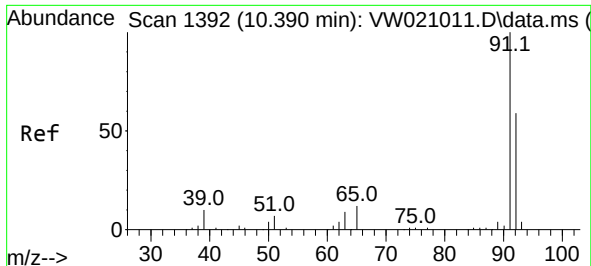
Tgt Ion: 75 Resp: 550

Ion Ratio Lower Upper

75 100

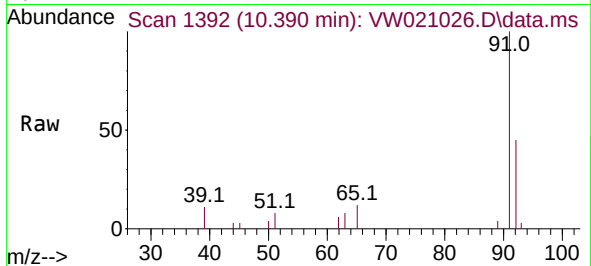
77 49.4 21.8 40.6#



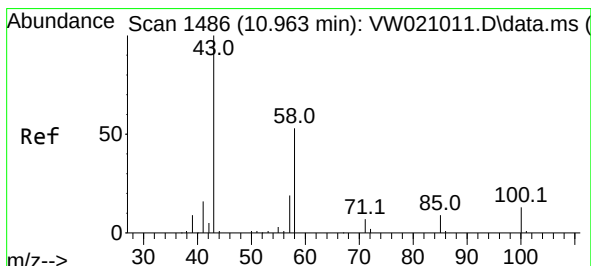
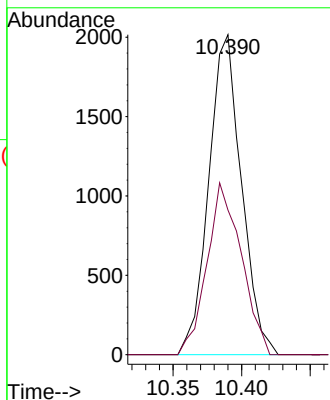
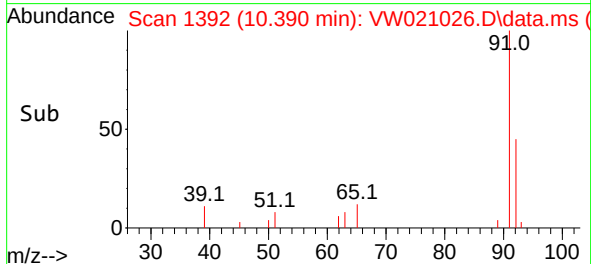


#42
Toluene
Concen: 1.708 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

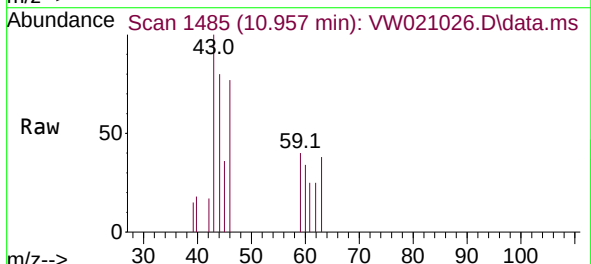
Instrument :
MSVOA_W
ClientSampleId :



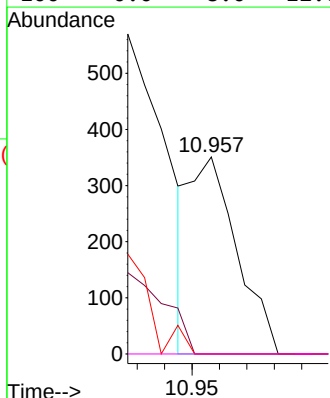
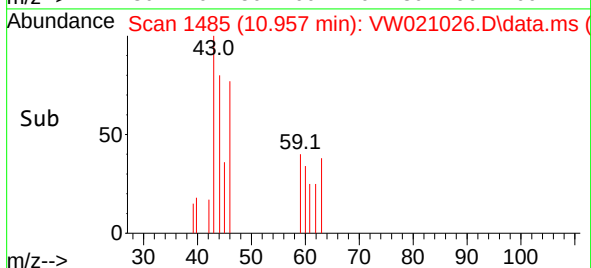
Tgt Ion: 91 Resp: 3349
Ion Ratio Lower Upper
91 100
92 45.2 41.7 77.5

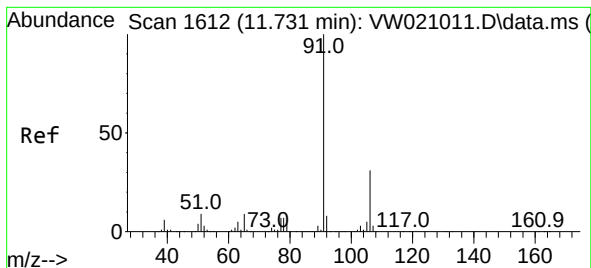


#48
2-Hexanone
Concen: 2.469 ug/L
RT: 10.957 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52



Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.2#
57 4.6 14.3 21.5#
100 0.0 8.0 12.0#

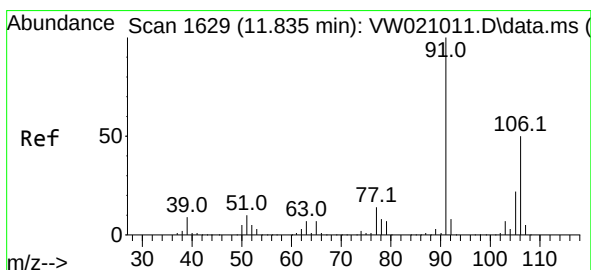
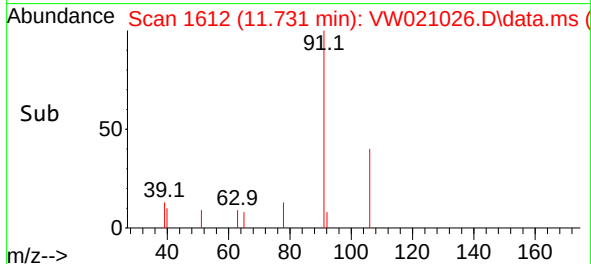
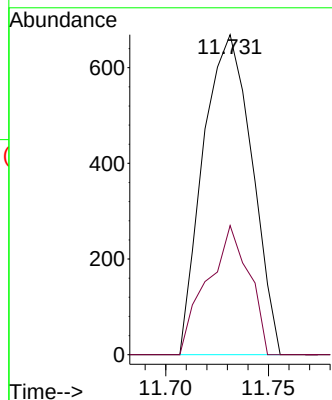
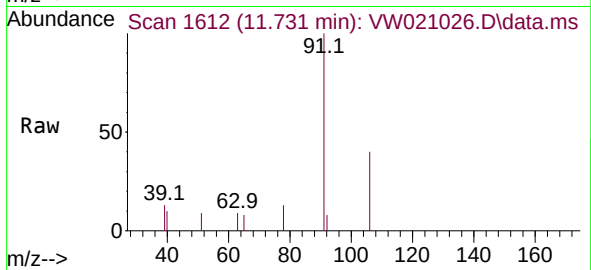




#52
Ethylbenzene
Concen: 0.508 ug/L
RT: 11.731 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

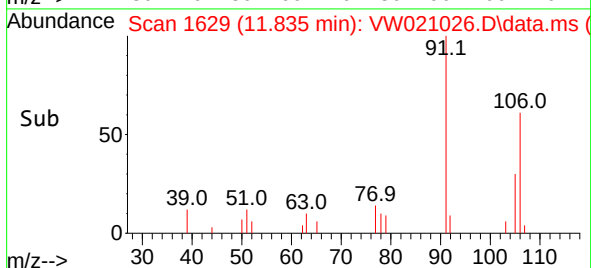
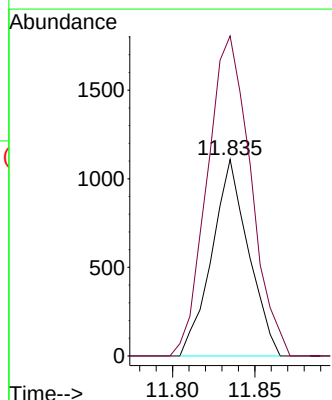
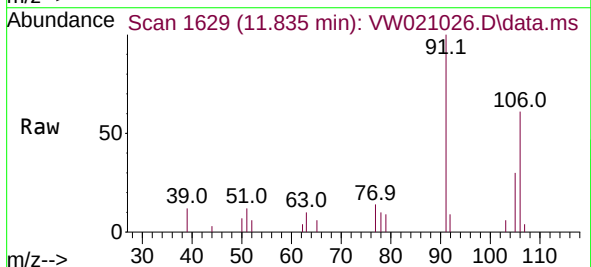
Instrument :
MSVOA_W
ClientSampleId :

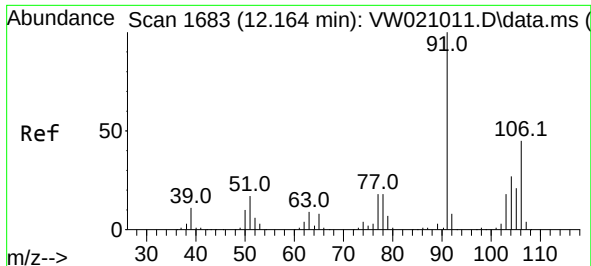
Tgt Ion: 91 Resp: 1104
Ion Ratio Lower Upper
91 100
106 40.4 21.5 39.9#



#53
m,p-Xylene
Concen: 1.938 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Tgt Ion:106 Resp: 1719
Ion Ratio Lower Upper
106 100
91 162.8 149.9 278.3

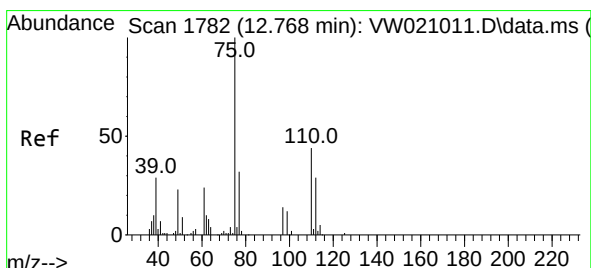
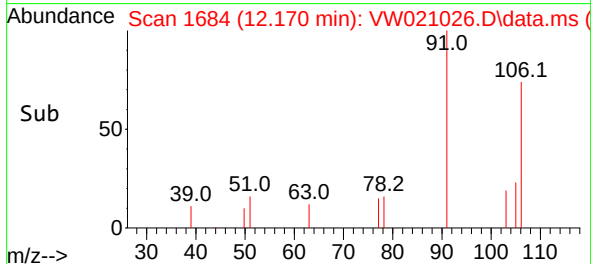
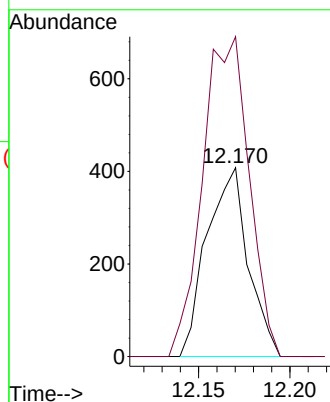
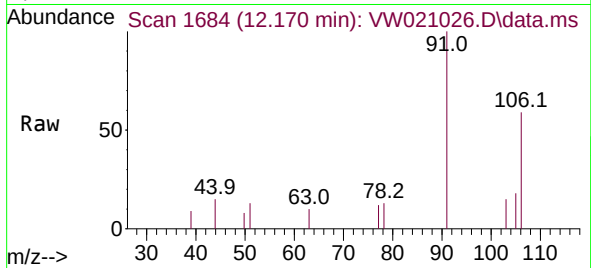




#54
o-Xylene
Concen: 0.752 ug/L
RT: 12.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

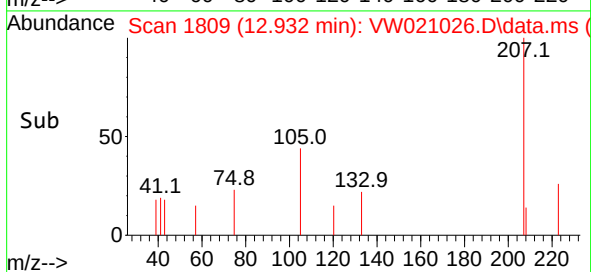
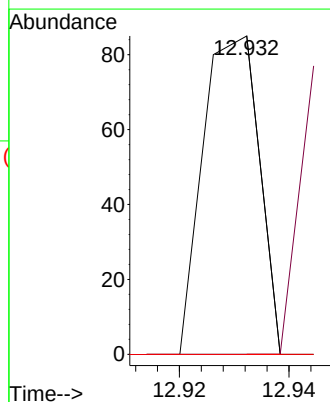
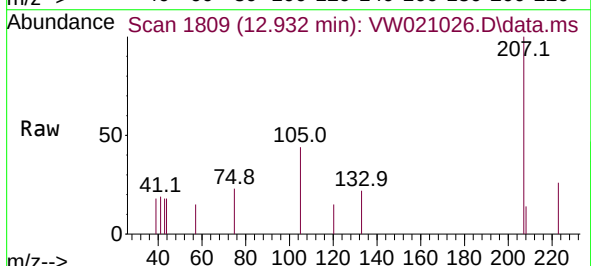
Instrument :
MSVOA_W
ClientSampleId :

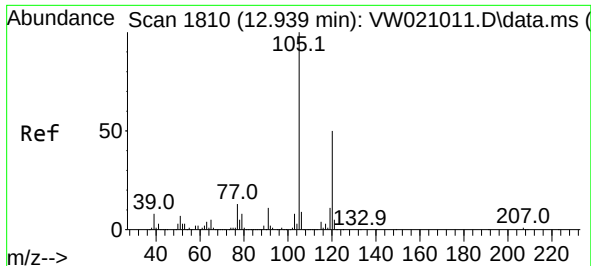
Tgt Ion:106 Resp: 641
Ion Ratio Lower Upper
106 100
91 169.4 153.6 285.3



#61
1,2,3-Trichloropropane
Concen: 1.019 ug/L
RT: 12.932 min Scan# 1809
Delta R.T. 0.164 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 0.0 29.0 43.4#

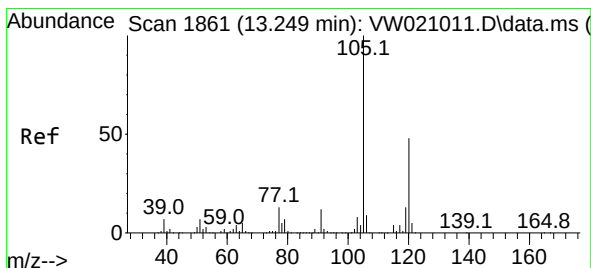
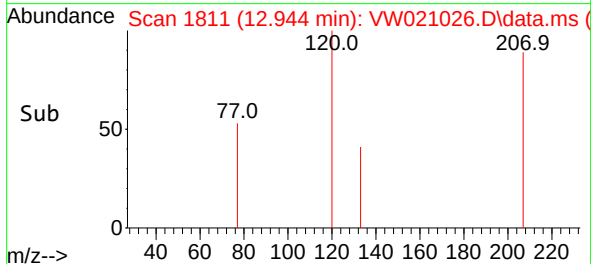
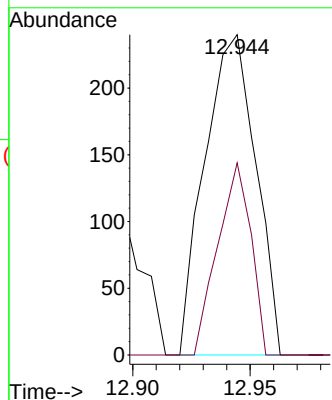
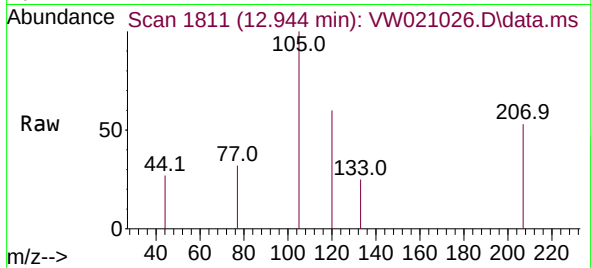




#62
1,3,5-Trimethylbenzene
Concen: 0.787 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

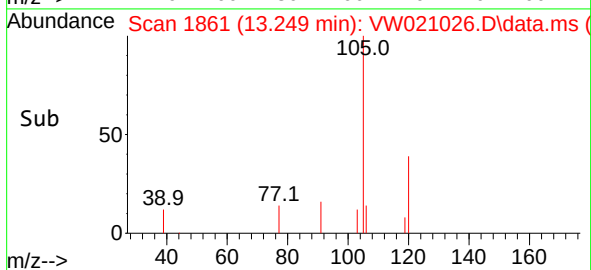
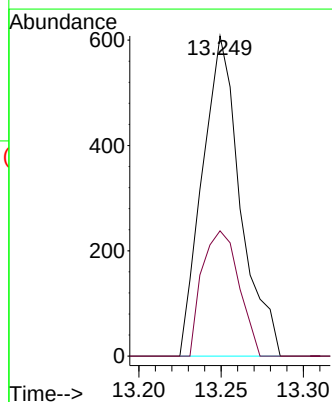
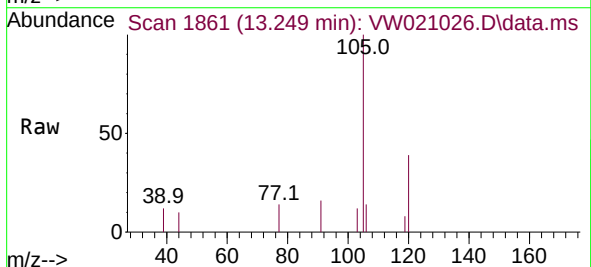
Instrument :
MSVOA_W
ClientSampleId :

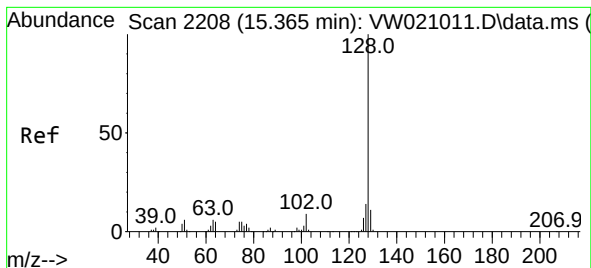
Tgt Ion:105 Resp: 363
Ion Ratio Lower Upper
105 100
120 38.8 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 2.149 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

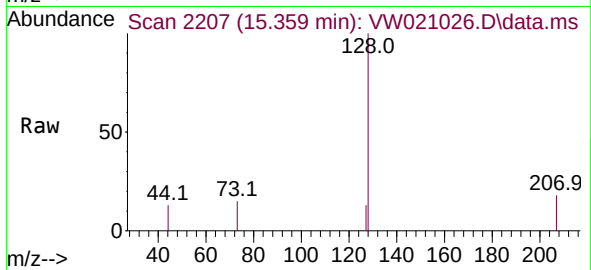
Tgt Ion:105 Resp: 978
Ion Ratio Lower Upper
105 100
120 37.7 35.0 52.6





#71
Naphthalene
Concen: 2.908 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW021026.D
Acq: 02 Dec 2021 05:52

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 787
Ion Ratio Lower Upper
128 100
127 5.7 10.7 16.1#
129 0.0 8.6 12.8#

